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From: Chief, Bureau of Ships

All Activities Concerned with

the Installation, Operation and Maintenance of the Subject

Equipment

Instruction Book for Teletypewriters TT-47A/UG, TT-48A/UG, TT-69A/UG, and TT-70A/UG; NAVSHIPS 91713 Subj:

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H. N. WALLIN Chief of Bureau Correction Page

NAVSHIPS 91713 TT-47A/UG, TT-48A/UG, TT-69A/UG, TT-70A/UG

FRONT MATTER

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SAFETY NOTICE

The attention of officers and operating personnel is directed to Chapter 67 of the *Bureau of Ships Manual* or superseding instructions on the subject of radiosafety precautions to be observed.

This equipment employs voltages which are dangerous and may be fatal if contacted by operating personnel. Extreme caution should be exercised when working with the equipment.

While every practicable safety precaution has been incorporated in this equipment, the following rules must be strictly observed:

KEEP AWAY FROM LIVE CIRCUITS:

Operating personnel must at all time observe all safety regulations. Do not change tubes or make adjustments inside equipment with high voltage supply on. Under certain conditions dangerous potentials may exist in circuit with power controls in the off position due to charges retained by capacitors. To

avoid casualties always remove power and discharge and ground circuits prior to touching them.

DON'T SERVICE OR ADJUST ALONE:

Under no circumstances should any person reach within or enter the enclosure for the purpose of servicing or adjusting the equipment without the immediate presence or assistance of another person capable of rendering aid.

DON'T TAMPER WITH INTERLOCKS:

Do not depend upon door switches or interlocks for protection but always shut down motor generators or other power equipment. Under no circumstances should any access gate, door, or safety interlock switch be removed, short-circuited, or tampered with in any way, by other than authorized maintenance personnel, nor should reliance be placed upon the interlock switches for removing voltages from the equipment.

RESUSCITATION

AN APPROVED POSTER ILLUSTRATING THE RULES FOR RESUSCITATION BY THE PRONE PRESSURE METHOD SHALL BE PROMINENTLY DISPLAYED IN EACH RADIO, RADAR, OR SONAR ENCLOSURE. POSTERS MAY BE OBTAINED UPON REQUEST TO THE BUREAU OF MEDICINE AND SURGERY.

NAVSHIPS 91713 TT-47A/UG, TT-48A/UG, TT-69A/UG, TT-70A/UG

FRONT MATTER



Teletypewriter TT-47A/UG or TT-48A/UG

Figure 1-1. Teletypewriter Complete



Teletypewriter TT-69A/UG or TT-70A/UG

SECTION 1

GENERAL DESCRIPTION

1. SCOPE OF INSTRUCTION BOOK.

This instruction books describes the TT-47A/UG, TT-48A/UG, TT-69A/UG, TT-70A/UG, TT-128A/UG, TT-129A/UG, TT-130A/UG, TT-131A/UG, and TT-171/UG Teleptypewriters and includes information concerning their installation, operation, adjustment, and maintenance. In adding the TT-128A/UG, TT-129-A/UG, TT-130A/UG, TT-131A/UG, and TT-171-A/UG, references and illustrations have been changed throughout the book only to the extent needed for clar-

ity. All references to TT-47A/UG, TT-48A/UG, TT-69A/UG, and TT-70A/UG apply equally to TT-128-A/UG, TT-129A/UG, TT-130A/UG, TT-131A/UG, and TT-171A/UG except as specifically indicated.

2. PURPOSE OF THE EQUIPMENT.

- a. The Teletypewriters described herein are used to:
- (1) TT-47A/UG, TT-48A/UG, TT-69A/UG, TT-70A/UG, exchange typewritten page messages between two or more ships or stations that are connected to a radio or wire telegraph channel.

NAME	TYPE										
	TT-47A/UG										
	TT-48A/UG										
	TT-69A/UG				j.				Ī	** 1	
	TT-70A/UG							Ī			
TELETYPEWRITER	TT-171/UG						1	p.€			
	TT-128A/UG					Ī		ļ .			
	TT-129A/UG										
	TT-130A/UG			Ì							
	TT-131A/UG		Ī								
CABINET	CY-870/UG			X	X	X			X	X	
CABINET	CY-871/UG	X	X				X	X			
POWER DISTRIBUTION PANEL	SB-154A/UG	X	X	X	X	X	X	X	X	X	
KEYBOARD	MX-1114A/UG						X	X	X	X	
KEYBOARD	MX-1421A/UG	X	X	X	X						
BASE	NT-1443/UG					X					
AC MOTOR	PD-17A/UG		X		X	X		X		X	
AC MOTOR	PD-18A/UG	X		X			X		X		
AUTOMATIC TYPER	MX-1115A/UG					X	X	X	X	X	
AUTOMATIC TYPER	MX-1422A/UG	X	X	X	X						
SET OF GEARS FOR 60 W.P.M. OPERATION	CTT-151060	X	X	X	X	X	X	X	X	X	
OPTIONAL COMPONENTS: SET OF GEARS FOR											
75 W.P.M.	CTT-151075	Х	Х	X	х	х	х	х	Х	х	
100 W.P.M.	CTT-151100	X	Х	X	х	х	х	х	x	X	

- (2) TT-171/UG, receive only typewritten page message from a ship or station with which it is connected by means of a radio or wire telegraph channel.
- (3) TT-128A/UG, TT-129A/UG, TT-130A/UG, TT-131A/UG, disseminate aerological weather information in typewritten page form between two or more ships or stations that are connected to a radio or wire telegraph channel.
- b. The operating speed is in the order of 368 o.p.m. (operations per minute), which is generally referred to as 60 words per minute speed. The speed may be increased to 75 or 100 words per minute by changing to other gears which are not supplied with the Teletypewriters but are available as optional components. Signaling between stations is accomplished electrically by
- use of the five-unit start-stop permutation code and utilizes the 7.42 unit transmission pattern.
- c. The components comprising Teletypewriters described herein are shown in chart above.
- d. The apparatus is equipped with a motor control feature which stops the motor each time that the signal line becomes idle for a period of approximately two minutes. The motors start in response to momentary opening of the signal line at any point on the circuit or to the reception of code signals. This feature may be readily disabled when not required.
- e. The equipment is wired for operation on 0.060 ampere signal line current at the factory but, by making a convenient wiring change in the Power Distribution

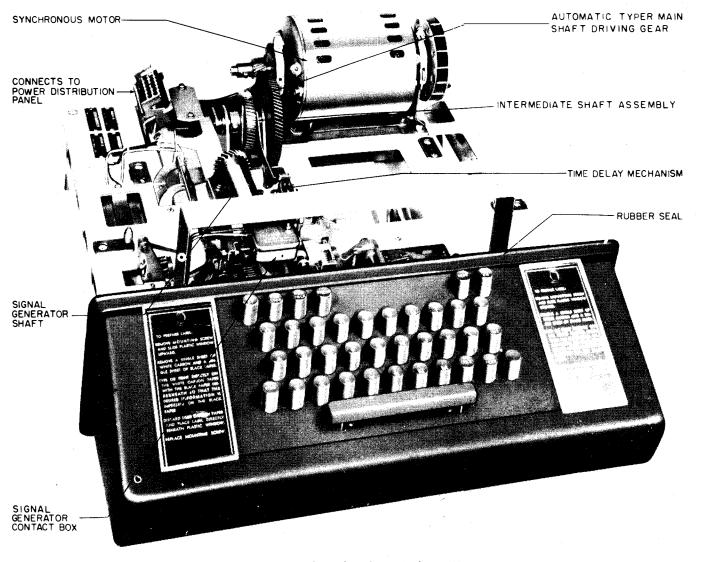


Figure 1-2. Keyboard MX-1114A/UG, With Motor

Panel and readjusting the selector armature spring, it may be adapted for operation on 0.020 ampere signal line current.

- f. Messages are ordinarily typed on single-copy paper eight and one-half inches wide. However, paper of lesser varying widths (minimum three inches) may be used.
- g. The following components in Teletypewriters TT-47A/UG, TT-48A/UG, TT-69A/UG, and TT-70A-/UG differ from the corresponding ones in Teletypewriters TT-47/UG, TT-48/UG, TT-69/UG and TT-70/UG.
- (1) POWER DISTRIBUTION PANEL SB-154A-/UG.—This component differs from SB-154/UG principally in that the connectors on the ends of the cables leading to the Keyboard and to the Automatic Typer have been changed. Therefore, it cannot be connected to the MX-1114/UG Keyboard or to the MX-1115/UG Automatic Typer.
- (2) KEYBOARD MX-1114A/UG.—This component differs from MX-1114/UG in several respects. It has a 20 terminal receptacle, whereas the MX-1114/UG has a 14 terminal receptacle. Thus this component cannot be connected to a SB-154/UG Power Distribution Panel. The spring powered throwout mechanism has been removed from the MX-1114A/UG clutch. The position of the repeat key has been shifted to the right and the repeat mechanism has been redesigned. Several changes have also been made in the adjustments, and in the lubricating procedure.
- (3) AUTOMATIC TYPER MX-1115A/UG.— This component differs from MX-1115/UG in several major respects and in numerous minor details. Since the changes in adjustments are many and varied, the adjustment requirements specified in Section 7 of this instruction book must be adhered to. The MX-1115A/UG has a 20 terminal receptacle, whereas the MX-1115/UG has

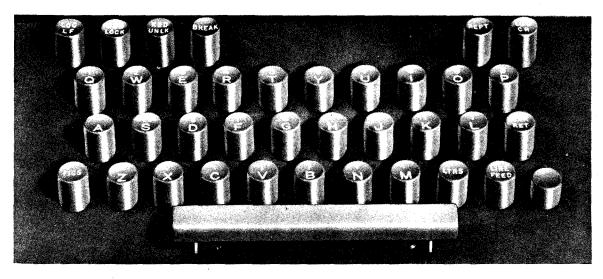


Figure 1-3. Keyboard Keys

a 14 terminal receptacle. Consequently, this component cannot be connected to a SB-154/UG Power Distribution Panel. The MX-1115A/UG has a new main shaft, and a redesigned selector mechanism with an improved method for orienting the range finder. The ribbon feed mechanisms have been revised to include an improved slack take up feature and improved feed pawl adjustment. The range of the automatic carriage return-line feed arm on the spacing drum has been increased to accommodate a maximum of 85 characters per line. Also, several ratchet teeth have been removed from the spacing drum to prevent over spacing in the event of spacing clutch stop failure or spacing suppression failure. Changes in the lubrication procedure are few.

3. DESCRIPTION OF COMPONENTS.

- a. KEYBOARD MX-1114A/UG OR BASE NT-1443/UG. (See figures 1-2, 1-2A.)
- (1) GENERAL.—The Keyboard or Base supports the AC Motor and the Automatic Typer. A time delay mechanism for stopping the motor on extended idle periods of the signal line is connected in the Keyboard or Base but may be disabled if not required. The Keyboard or Base with the Automatic Typer and AC Motor mounted in position is placed upon rails within the Cabinet. The front of the Keyboard or Base protrdues beyond the Cabinet and is fitted with a rubber pad that seals the edges of the aperture for a silencing effect. Motive force for activating the Keyboard or Base is derived from the AC Motor by way of the Automatic Typer.
- (2) KEYBOARD MX-1114A/UG. (See figure 1-2.)—The Keyboard incorporates code selecting and signal generating mechanisms. Signal line and power

- line circuits are also included. The keys are positioned in the conventional three-bank arrangement with numerals, punctuation marks and special symbols available in upper case positions (figure 1-3). Special keys (red) for line break, keyboard lock and unlock, repeat operation, and local carriage return and line feed are located directly above the standard keys (green) for facility of operation.
- (3) KEYBOARD MX-1421A/UG.—This keyboard is identical to Keyboard MX-1114A/UG except that certain keytops include aerological weather symbols in place of standard communication symbols.
- (4) BASE NT-1443/UG. (See figure 1-2A.)—The Base is provided with two green keys to control the local carriage return and line feed off-line functions.
- b. AUTOMATIC TYPER MX-1115A/UG and MX-1422A/UG. (See figures 1-4 and 1-5.)
- (1) The Automatic Typer incorporates the necessary electrical and mechanical features for translating the code signals into mechanical action in order to record the message and perform the usual functions incident thereto.
- (2) Code signals are applied to a two-coil magnet associated with selecting mechanism which interprets the signal and controls the motions involved in typing a character or performing a required fuction. Means is provided for orienting the selector to the received signal. The AC Motor is geared to the main shaft of the Automatic Typer which, in turn, extends motion to the keyboard mechanism. The typing and various functional sections of the Automatic Typer are activated by individual clutches that completely disengage at the termination of each operating cycle and thus reduce the motor load to the minimum when idling.

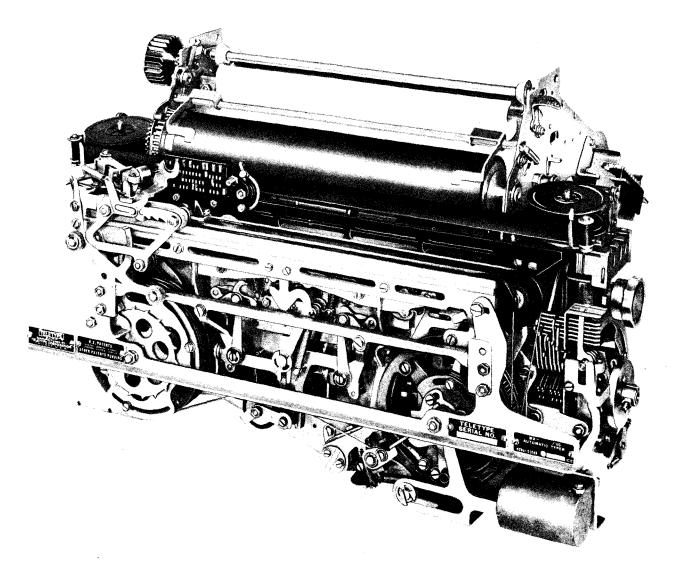


Figure 1-4. Automatic Typer MX-1115A/UG, Front View

(3 Paper feeds from a five inch (maximum) diameter roll mounted on the Automatic Typer and passes around a stationary platen. Provisions are made for readily converting to sprocket type feed for fan-fold forms which may be used optionally in conjunction with friction feed paper. Interchanging of Automatic Typer sub-assemblies involves the minimum in readjusting procedure (figures 1-6, 1-7, 1-8). Type pallets are arranged in a compact, lightweight type box which may be readily detached for cleaning or for quick replacement by another type box. In operation, the type box keeps step with a printing carriage and presents the proper type pallets to the printing hammer to receive its strokes as the printing carriage advances along the line. Combined automatic carriage return and line feed functions operate to return the carriage in case overprinting occurs at the end of a line.

(4) In addition to the conventional functions common to teletypewriters, built-in facilities permit the addition of selective station call or recognition functions with electrical circuits associated therewith available for remote extension. In such applications the

Automatic Typer may be stripped of all typing and paper feeding mechanisms and utilized for circuit switching or similar applications.

(5) Automatic Typer MX-1422A/UG is identical to MX-1115A/UG except that it is equipped with a type box which includes areological weather symbols in place of standard communications symbols, and it is not equipped with the function bar, lever, pawl, and springs associated with the "keyboard lock on double blank" feature.

c. MOTORS.—The motors are self-contained components that mount on the rear of the Keyboard or Base and have characteriseics adaptable to standard power supplies.

(1) AC MOTOR (SYNCHRONOUS) PD-17A/U. (See figure 1-9.)

(a) The AC Motor, PD-17A/U, is a wound stator, two pole, single phase, capacitor start, synchronous motor. A combination handwheel and fan is mounted on one end of the motor shaft. A motor-starting relay and capacitor, together with a thermal cutout

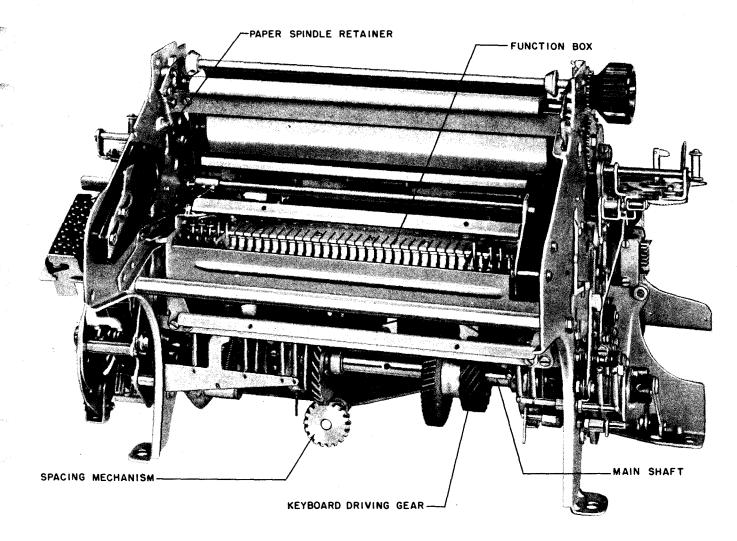


Figure 1-5. Automatic Typer MX-1115A/UG, Rear View

switch are mounted in a compartment on the underside of the motor. The thermal cutout switch (manually reset) serves to protect the motor windings from excessive heating.

- (b) The motor proper is supported by a cradle to which it is held by straps at each end. Resilient mounts on the hubs of the motor end bells reduce transmision of vibration to the Keyboard or Base.
- (2) AC MOTOR (GOVERNED) PD-18/U. (See figure 1-10.)
- (a) The AC Motor, PD-18/U is series wound and is similar to the synchronous motor in its mounting arrangement.
- (b) A combined governor and fan are positioned on the motor shaft extension. The fan aids in controlling the temperature rise by drawing cooling air through the motor. A target for speed-checking purpose is painted on the governor cover. The cover also serves

to protect the governor mechanism. A screwdriver opening is provided in the cover to facilitate speed adjustments. Brush filter capacitors are provided within the motor end bells.

(c) The entire AC Motor, PD-18/U is shielded to minimize radio interference. A shielded compartment on the underside of the motor, houses the governor resistor and capacitor, as well as a power leads electrical noise suppressor. A number of screened cutouts are provided in the motor shield housing through which air may circulate and the target may be viewed. A threaded plug in the housing may be removed to permit entry of a screwdriver when making speed adjustments.

d. CABINETS.

(1) GENERAL.—Cabinets are of two types; the CY-870/UG for deck mounting and the CY-871/UG for bulkhead shelf mounting. They are of sheet metal construction and are finished internally and externally

Paragraph 3.d.(1)

in baked enamel. The CY-870/UG Cabinet (figure 1-1) is approximately 401/2 inches high (including shock mounts), 201/2 inches wide, and 181/2 inches deep. The upper portion forms a compartment for housing the mechanical units and Power Distribution Panel. A shelf located in the lower section may be used to support a Rectifier (not furnished as part of these teletypewriters). The CY-871/UG Cabinet (figure 1-1) has no lower section but is otherwise practically identical with the CY-870/UG and has a height of 16 inches. The top of each Cabinet forms a dome that is hinged at the rear. The dome is unlatched by a push button and is counterbalanced by a mechanism that aids in raising it and then supports it in the open position. A copyholder is attached to the front of the dome. A window through which the message may be read while being printed is located in the upper portion of the dome. This window is positioned horizontally to avoid reflection from ceiling lights. A hinged door in the dome is unlatched by a push button to permit access to the printed copy. The copy is illuminated by incandescent lamps located under the dome. Rubber sealing strips are applied to the edges of both the dome and the door for silencing purposes. The cradles, listed below as accessories, include a tilting arrangement which permits the assembled units to be tilted forward and supported when the dome is open (figure 1-11). This provides maximum accessibility to the mechanism while servicing. Terminal boards for power and signal line connections are located on the inner rear wall (figure 1-12). The Power Distribution Panel is placed to the rear of the Keyboard. Its power switch is controllable from a switch lever at the front of the Cabinet.

- (2) ACCESSORIES.—Accessories to the cabinets consist of the following:
- (a) A signal bell to make audible those signals that are transmitted for supervisory purposes. This is incorporated in both the CY-870/UG and CY-871/UG Cabinets.
- (b) A rubber mounted cradle assembly used only in the shelf mounting CY-871/UG Cabinet.
- (c) A steel mounted cradle assembly used only in the deck mounting CY-870/UG Cabinet.
- (d) Shock mounts for mounting the CY-870/UG Cabinet to the deck.
- (e) Stop arm assemblies for supporting the dome and copy door in their open positions where the CY-870/UG: and CY-871/UG Cabinets are subject to tilting.
- (f) A metal panel for reinforcing the lower section of the deck mounting CY-870/UG Cabinet.
- (g) A six volt copy light assembly which is used in both the CY-870/UG and CY-871/UG Cabinets.
- (b) A transformer assembly to supply six volts to all lamps. This is incorporated in both the CY-870/UG and CY-871/UG Cabinets.
- (i) A six volt margin indicator lamp assembly used in both the CY-870/UG and CY-871/UG Cabinets.

- (j) Two electrical noise suppressor assemblies which minimize electromagnetic radiation from the power and signal lines external to the CY-870/UG and CY-871/UG Cabinets.
- e. POWER DISTRIBUTION PANEL SB-154A/UG. (See figure 1-13.)—The Power Distribution Panel is located in the upper compartment of the Cabinet. It incorporates motor control circuit elements, receptacles, fuses, switches, etc., which are associated with the power and signal line circuits.

4. REFERENCE DATA.

- a. NOMENCLATURE.—Teletypewriters TT-47A/UG, TT-48A/UG, TT-69A/UG, TT-70A/UG, TT-171/UG.
- b. CONTRACT DATA.—NObsr 52088, dated 4 December 1950, NObsr 52089, dated 7 December 1950 and NObsr 63205, dated 25 February 1953.
- c. CONTRACTOR.—Teletype Corporation, Chicago 14, Illinois.
- d. COGNIZANT NAVAL INSPECTOR.—Inspector of Naval Material, Chicago 6, Illinois.
- e. NUMBER OF PACKAGES INVOLVED IN COMPLETE SHIPMENT OF EQUIPMENT (IN-CLUDING EQUIPMENT SPARES) 2 Boxes
- f. TOTAL CUBICAL CONTENTS OF EQUIPMENT (INCLUDING EQUIPMENT SPARES).

Teletypewriters TT-47A/UG or TT-48A/UG or TT-171/UG.

Crated	32.10 cu. ft.
Uncrated	12.77 cu. ft.
Teletypewriters TT-69A/UG or TT-7	0A/UG.
Crated	23.10 cu. ft.
Uncrated	7.36 cu. ft.

g. TOTAL WEIGHT OF EQUIPMENT (INCLUDING EQUIPMENT SPARES).

Teletypewriters TT-47A/UG or TT-48A/UG or TT-171/UG.

Crated	364 lbs.
Uncrated	130 lbs.
Teletypewriters TT-69A/UG or TT-70A/	/UG.
Crated	286 lbs.
Uncrated	119 lbs.

b. ELECTRICAL CHARACTERISTICS.

(1) The SIGNALING FREQUENCY of the telegraph output signal is in maximum dot cycle (one cycle is one current impulse followed by one no-current impulse) per second:

Speed

60 words per minute — 22.8 cycles

75 words per minute — 28.5 cycles

100 words per minute — 37.1 cycles

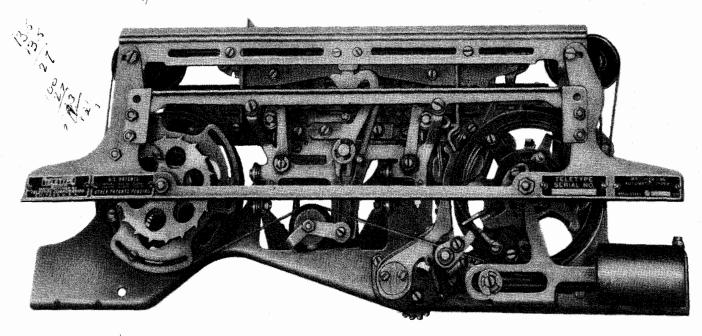


Figure 1-6. Automatic Typer Front Plate

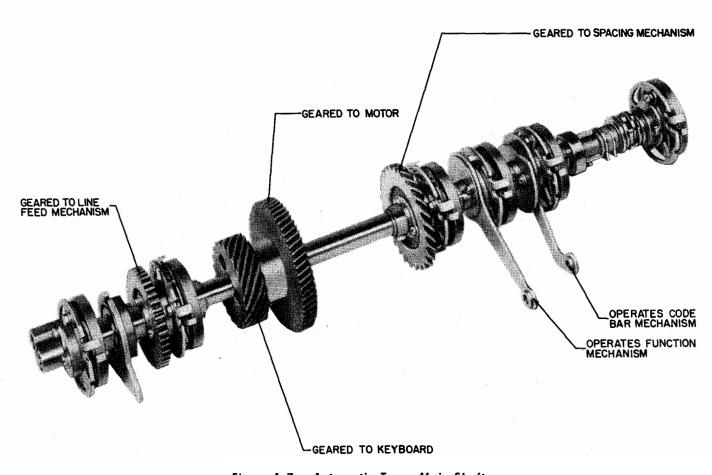


Figure 1-7. Automatic Typer Main Shaft

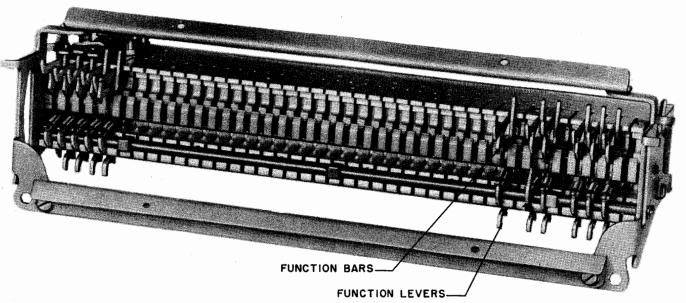


Figure 1-8. Automatic Typer Function Box

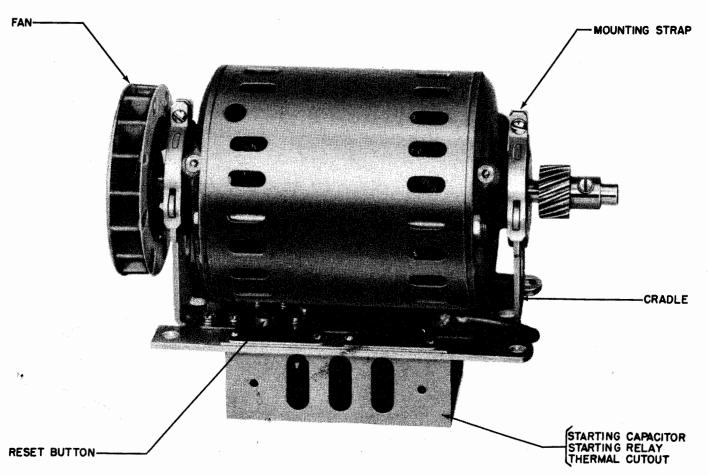


Figure 1-9. AC Motor PD-17A/U, Synchronous

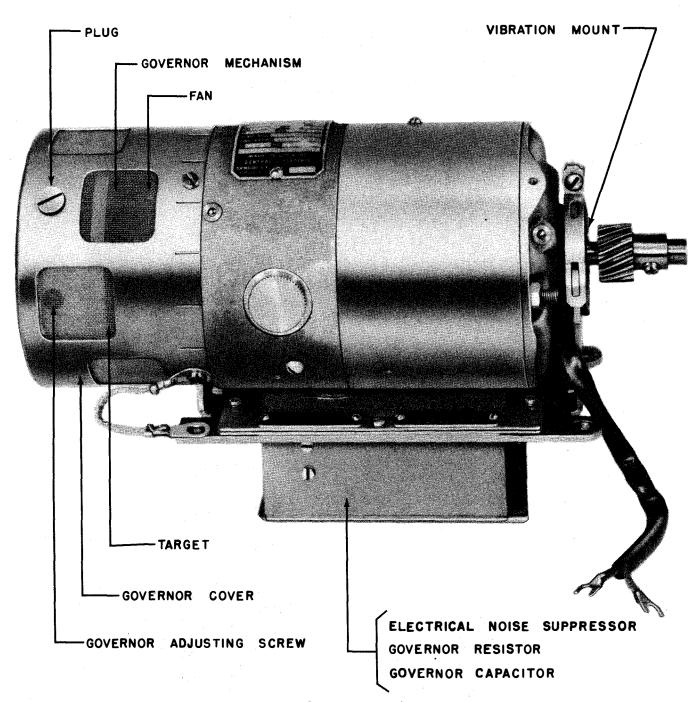


Figure 1-10. AC Motor PD-18/U, Governed

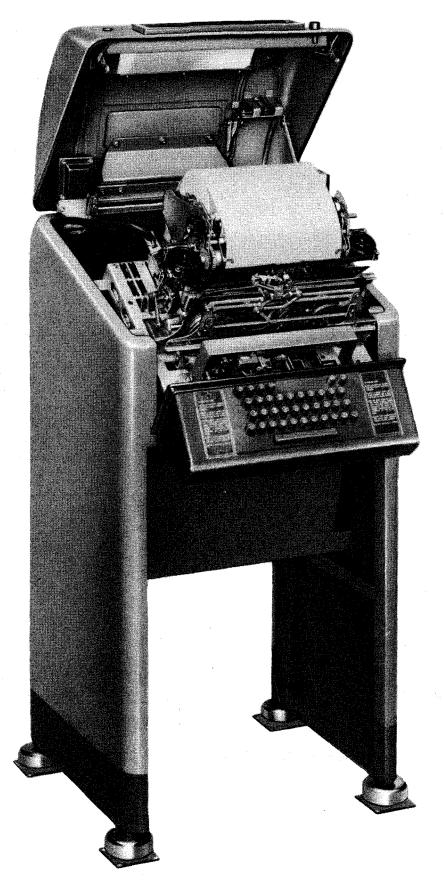


Figure 1-11. Tilting Arrangement

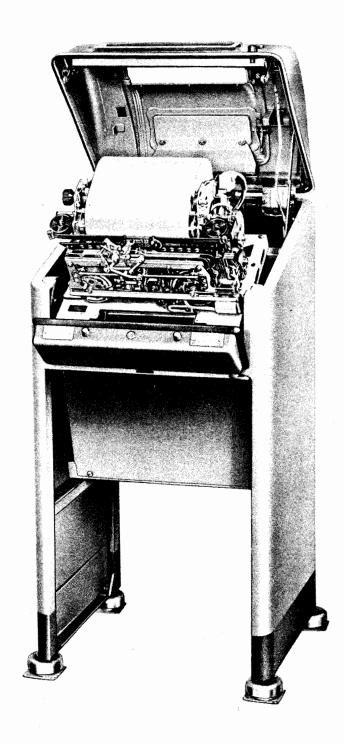


Figure 1-11A. Tilting Arrangement-TT-171/UG

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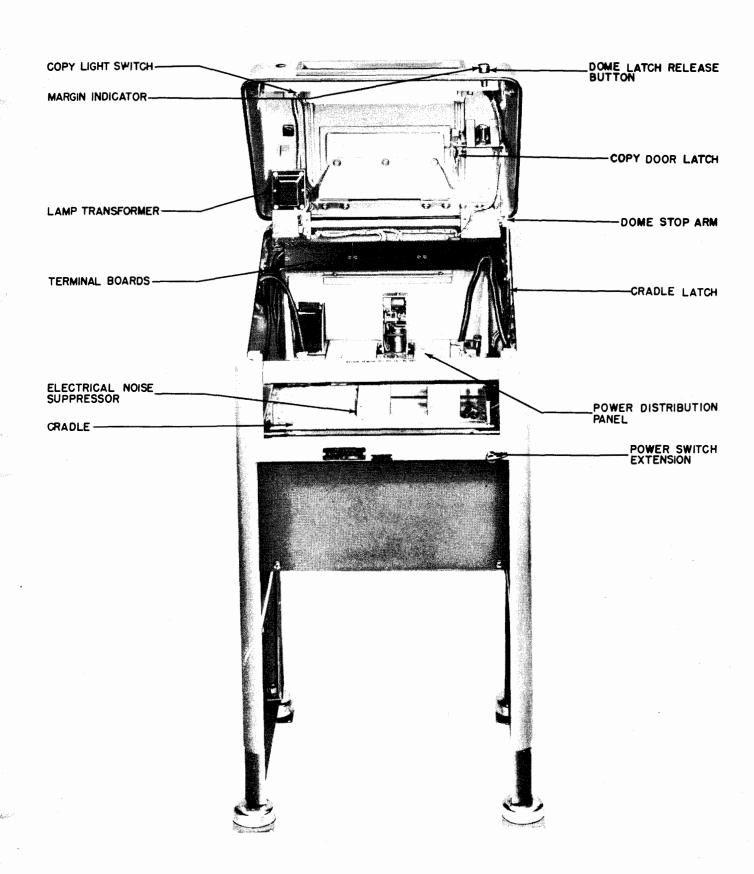
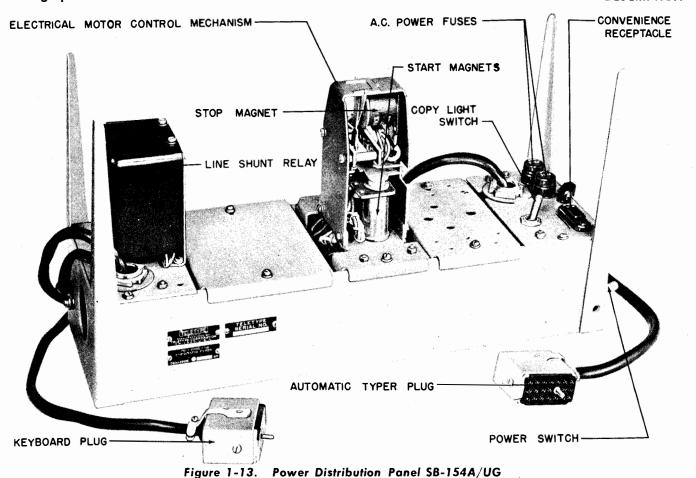


Figure 1-12. Cabinet CY-870/UG, With Power Distribution Panel



- (2) The FREQUENCY CONTROL depends on the use of either a synchronous motor or a governed motor.
- (3) The OUTPUT TELEGRAPH SIGNAL must be on-off direct current, nominally 0.060 ampere from an external source of either positive or negative polarity or from a 115 volt source at a rectifier in the Cabinet.
- (4) The INPUT TELEGRAPH SIGNAL applied to the selector magnet must be on-off direct current, nominally 0.060 ampere (or 0.020 ampere) from an external source of either positive or negative polarity.
- (5) SIGNAL LINE CURRENT must be furnished from an external rectifier.

Note

Provisions are made in the Power Distribution Panel for a line relay assembly and for a small rectifier (0.120 ampere, 115 V DC) to supply current for the selector magnets and the relay bias winding circuits. This rectifier does not have sufficient capacity to supply the signal line current. However, in some navy instalations, the rectifier is used to supply line current for the ancillary equipments. Neither the line relay assembly nor the rectifier are supplied with the Teletypewriters.

- (6) POWER SUPPLY REQUIREMENTS.
- (a) AC MOTOR (SYNCHRONOUS) PD-17A/U.
 - 1. Input voltage: 115 volts ± 10 per cent a-c.
 - 2. Phase: Single phase.
 - 3. Frequency: 60 cycles ± 0.5 cycle.
 - 4. Input current:
 9 amps.

 Starting
 9 amps.

 Running
 1.85 amps.

 5. Power factor
 0.30

 - (b) AC MOTOR (GOVERNED) PD-18/U.
 - 1. Input voltage: 115 volts ± 10 per cent a-c.
 - 2. Phase: Single phase.
 - 3. Frequency: 50 to 60 cycles.
 - 4. Input current:
 Starting
 1.75 amps.

 Running
 1 amp.

 5. Power factor
 0.83
 - 6. Wattage 95 watts

(c) PERMISSIBLE TEMPERATURES.

2. Temperature rise: Not in excess of $+40^{\circ}$ C.

1. Ambient: -20° C. $(-4^{\circ}$ F.) to $+50^{\circ}$ C. $(+104^{\circ}$ F.) above ambient.

(+122° F.)

TABLE 1-1. EQUIPMENT SUPPLIED

QUANTITY PER	NAME OF UNIT		LL DIMEN	VOLUME	WEIGHT							
EQUIPMENT		HEIGHT	WIDTH	DEPTH	CU. FT.	POUNDS						
		TT-47A/UG										
		TT-48A/UG										
	TELETYPEWRITER	TT-69A/UG										
		TT-70A/UG										
		TT -171/UG										
1	CABINET	CY-870/UG	x			x	x	401/2	201/2	181/4	8.77	81
1	CABINET	CY-871/UG		X	X			16	201/2	181/4	3.46	70
1	POWER DISTRIBUTION											
	PANEL	SB-154A/UG	X	X	X	X	X	81/8	45/8	15	.33	5
1	KEYBOARD	MX-1114A/UG		X	X	X	X	43/4	$15\frac{1}{2}$	$17\frac{1}{2}$.73	11
1	BASE	NT-1443/UG	X					43/4	$15\frac{1}{2}$	141/2	.70	61/2
1	AC MOTOR	PD-17A/UG	X		X		x	53/4	81/2	4	.11	9
1	AC MOTOR	PD-18/UG		X		X		53/4	81/2	4	.11	10
1	AUTOMATIC TYPER	MX-1115A/UG	X	X	X	x	x	93/4	101/2	151/2	.92	19
1	SET OF GEARS (CTT-151060)		X	X	x	x	X					
	EQUIPMENT SPARES											
1	CTT(152730)				$ _{\mathbf{x}}$		$ \mathbf{x} $	211/2	191/2	77/8	1.91	5
1	CTT(152731)			$ _{\mathbf{x}}$		$ _{\mathbf{x}}$		211/2	191/2	77/8	1.91	5
1	CTT(152853)		x					211/2	191/2	77/8	1.91	. 5
								I			12.77	130
											12.77	131
		TOTAL				-					7.36	119
											7.36	120
	•										12.74	1251/2

TABLE 1-2. SHIPPING DATA - EXPORT PACK

SHIPPING BOX No.	CONTENTS		 	LL DIME	VOL.	WT.	
140.	NAME	DESIGNATION	HEIGHŢ	WIDTH	DEPTH		LD3.
1	AC MOTOR KEYBOARD or BASE POWER DISTRIBUTION PANEL AUTOMATIC TYPER CONSOLIDATED CARTON: GEARS, INSTRUCTION BOOKS, SPARE PARTS	PD-17A/UG or PD-18/UG MX-114A/UG NT-1443/UG SB-154A/UG MX-1115A/UG	25 ³ / ₄	24	41	14.8	164
2	CABINET or CABINET	CY-870/UG CY-871/UG	46 263⁄ ₈	241/ ₂ 24	261/ ₄ 243/ ₄	17.3 9.3	200 122

TABLE 1-3. SHIPPING DATA - DOMESTIC PACK

SHIPPING BOX No.	CONTENTS			LL DIME	VOL.	WT.	
	NAME	DESIGNATION	HEIGHT	WIDTH	DEPTH		
1	AUTOMATIC TYPER	MX-1115A/UG	18½/8	155/8	215/8	3.4	37
2	KEYBOARD or BASE	MX-1114A/UG NT-1443/UG	73/ ₄ 71/ ₄	19 ³ / ₈ 18 ¹ / ₈	215/ ₈ 187/ ₈	1.8 1.4	19 14
3	AC MOTOR	PD-17A/UG or PD-18/UG	8	57/8	117/8	0.4	10
4	POWER DISTRIBUTION PANEL	SB-154A/UG	93/4	51/4	173/4	0.5	8
5	CABINET - CONSOLE or CABINET - SHELF	CY-870/UG CY-871/UG	421/ ₄ 195/ ₈	21 21	23 ¹ / ₄ 23 ¹ / ₄	11.5 5.2	112 62
6	CONSOLIDATED CARTON		81/2	107/8	193/8	1.0	12

TABLE 1-4. EQUIPMENT AND PUBLICATIONS REQUIRED BUT NOT SUPPLIED

QUANTITY PER EQUIPMENT	NAME OF UNIT
1	Set of tools as listed in Section 7, Paragraph 5.
1	NAVSHIPS 92142 Instruction Book for Teletypewriter Rectifier and cable assembly PP1010-UG (Optional).
1 .	NAVSHIPS 98363 Change 1 to tool Equipment TE-50-A.

SECTION 2 THEORY OF OPERATION

1. GENERAL.

a. This section covers the operating principles and circuit descriptions of Teletypewriters TT-47A/UG, TT-48A/UG, TT-69A/UG, and TT-70A/UG. Each equipment serves as a transmitting or receiving page printing telegraph set when connected to the terminal facilities of a wire or radio telegraph channel, and will operate on signal line current of either 20 or 60 milliamperes without a line relay (direct selector magnet operation). The signals transmitted and received on the local loop by these Teletypewriters are of the neutral type (open and close D.C.)-7.42 unit start-stop transmission pattern with a speed of 368 operations per minute (OPM). The equipments also are adaptable to speeds of 460 or 600 opm by gearing changes. The main transmitting or receiving channel may carry any standard type of 7.42 unit start-stop telegraph signals and may be keyed by any conventional method. Synchronous motors require a power supply of 115 volts (plus or minus 10 per cent) 60 cycle, single phase alternating current. To avoid loss in receiving margin with this type of motor, the frequency regulation must be within plus or minus one-half cycle. Governed motors require a like power supply except that the frequency may be from 50 to 60 cycles.

b. The general electrical and mechanical relationships of the units which make up the Teletypewriters are shown in figure 2-1, a functional block diagram.

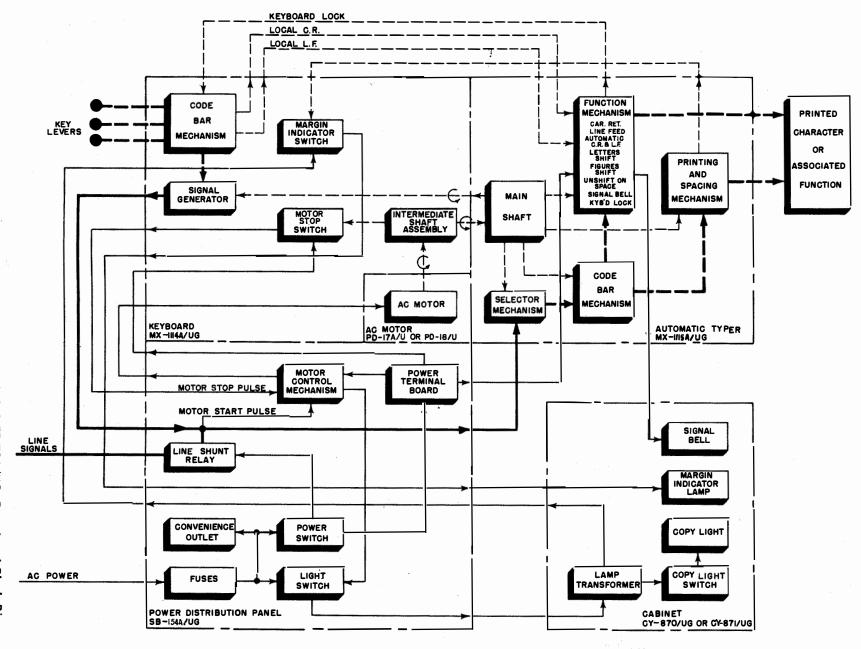
2. SIGNALING CODE.

- a. The signaling code is an electrical code of current and no-current intervals. Impulses which energize the selector magnets are known as marking impulses and those which do not are known as spacing.
- b. This five unit code is composed of five selecting intervals which may be either marking (current) or spacing (no-current) according to the code sequence of the character to be transmitted. Each group of five selecting intervals is preceded by a start interval (no-current) and is followed by a stop impulse (current) both of which are used to maintain synchronism between the transmitting and receiving apparatus. Figure 2-2 shows graphically, the code used.

3. KEYBOARD MX-1114A/UG.

a. GENERAL.—The Keyboard consists essentially of an intermediate shaft assembly, a code bar mechanism, and a signal generator. It also contains the time delay and margin indicator switch mechanisms, and provides mounting facilities for the Automatic Typer MX-1115A/UG and for either the PD-17A/U or PD-18/U AC Motor. At the time the Keyboard is installed in its Cabinet, a connector P-1101 on the end of a rubber covered cable which emanates from the Power Distribution Panel SB-154A/UG (figure 1-13), is plugged into a receptacle J-101 mounted on the top left rear corner of the Keyboard (figures 1-2 and 1-11). See figure 2-3 for schematic wiring. In operation, the motor drives the intermediate shaft assembly which furnishes motive power to the automatic typer main shaft (figures 1-5 and 1-7). This, in turn, drives the signal generator helical driven gear which is connected to the keyboard clutch drum by a sleeve. Thus, the keyboard clutch drum is caused to rotate continually while the motor is running. The transmitting cam-clutch assembly of the signal generator mechanism remains stationary except when motion is extended to it from the keyboard clutch drum. Engagement of the clutch is brought about by the operation of any key in the lower three rows (green), or the space bar, and a transmitting cycle is then initiated.

b. INTERMEDIATE SHAFT ASSEMBLY.—The intermediate shaft assembly, located in the rear central portion of the Keyboard (figure 1-2), mounts two helical gears (one with an overload clutch) and an eccentric cam. When the AC Motor and the Automatic Typer are in place on the Keyboard, the intermediate shaft helical driving gear on the motor engages with and drives the intermediate helical driven gear and its attached intermediate shaft assembly. This shaft assembly includes the overload clutch and helical gear assembly which transfers the motive force to the automatic typer main shaft, and the eccentric bushing which drives the eccentric follower pawl on the time delay mechanism. The gear ratio between the intermediate shaft helical driving gear on the motor, and the helical driven gear on the intermediate shaft, determines the maximum



Teletypewriters, TT-47A/UG, TT-48A/UG, TT-69A/UG & TT-70A/UG, Functional Block Diagram ORIGINAL

FIGURES	_	?	••	\$	3	!	8		8	•	()		,	9	ø	-	4	BELL	5	7	;	2	/	6	"	NK	ERS	(ES	E		
LETTERS	Δ	В	C	D	E	F	G	н	-	J	K	L	M	2	0	Ρ	Q	R	S	T	υ	>	¥	×	Y	z	⋖	LETTE	FIGURES	SPACE	C. R	L.F.
	ī	<u>:</u>		ī	ī	ī	Γ			1	-				_		1		_		_		1	_	_			-	_			
NUMBERS	2		2		_		2		2	2	2	2	1			2	2	2			2	2	2			L		2	2			2
INDICATE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MARKING			3			3		3	3		3		3	3		3	3	·	3		3	3		3	3		_	3		3	_	
IMPULSES		4	4	4		4	4			4	4		4	4	4			4				4		4				4	4		4	
		5					5	5				5	5		5	5	5			5		5	5	5	5	5		5	5			

Figure 2-2. Signal Code

speed (operations per minute) at which the equipment will operate. These gears are readily replaceable with gears which will furnish other operating speeds. The overload clutch lever disengages its notch in the main shaft helical driving gear if the Automatic Typer or the Keyboard become jammed. This removes all driving torque from these units to prevent further damage to the equipment, and the clacking sound made by the overload clutch lever as it strikes its notch with each revolution of the intermediate shaft, serves as an audible alarm. To re-engage the overload clutch, the power must be removed from the motor, and the motor must then be turned over by hand until the overload clutch lever falls into its notch. If the trouble in the equipment is not cleared before the motor is again started, the clutch will immediately disengage again.

c. CODE BAR MECHANISM .-- The code bar mech-

anism is located in the front underside portion of the Keyboard. Each keylever in the lower three rows (green) and the space bar is connected to a code lever and each keylever in the upper row (red) is connected to a function lever. The code and function levers pivot about points near their midportions (figure 2-4). Located above the rear half of the code levers and running parallel with the front of the Keyboard are, from rear to front, the clutch trip bar, the numbers 1, 2, 3, 4, and 5 code bars, and the lock bar. The rear portion of each code or function lever normally is held downward by a spring so that the front end with its attached keylever is held upward. A locking wedge is mounted on the projection of the lower front portion of all code levers, the local line feed function lever, and the local carriage return function lever (figures 2-4 and 2-5). If one of these levers is operated, its locking wedge moves downward between the lock balls in the lock ball channel,

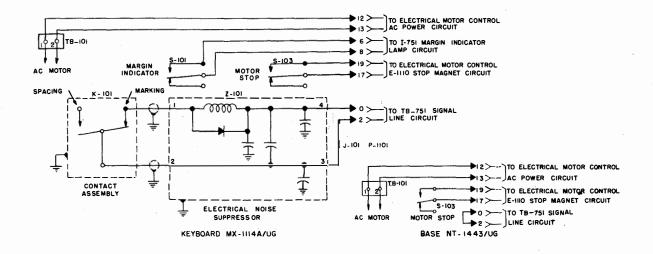


Figure 2-3. Keyboard MX-1114A/UG, Base NT-1443/UG, Schematic Wiring Diagram

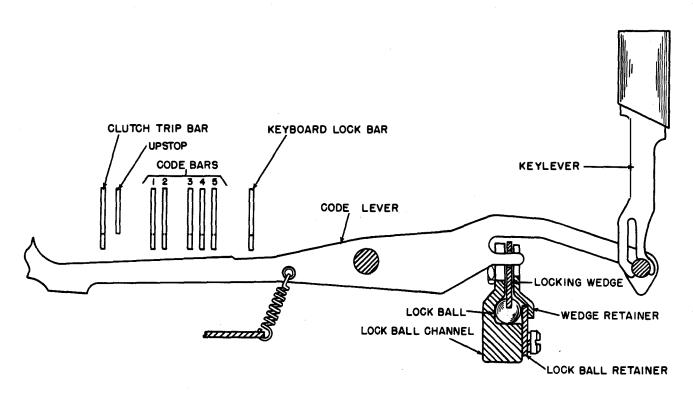


Figure 2-4. Code Bar Arrangement

and crowds them together. This prevents any other lever with a locking wedge from being operated at the same time. With the keyboard shaft in its stop position, the clutch trip bar and the five code bars are held toward the left (front view), against the tension of their springs, by the latched-up code bar bail. When any green keylever or the space bar is depressed, the rear end of the associated code lever engages and lifts the front edge of the code lever bail (figure 2-6). An extension on the code lever bail disengages the code lever bail latch lever and permits it to drop. As the front edge of the code lever bail rises, the back edge rotates around the rear end of the operated code lever and locks it in position. As the code lever bail latch lever drops, it depresses the code bar bail latch lever and releases the code bar bail (figure 2-7). Upon being freed, the code bar bail, the clutch trip bar, and the five code bars are pulled toward the right by their springs, until the code bar bail strikes its bumper. As the five code bars shift, code projections on unselected code bars engage the operated code lever (figure 2-8). Code bars which are permitted to move to the extreme right become selected and carry with them their respective transfer levers. By means of the clutch trip bail and the clutch stop lever, the clutch trip bar releases the keyboard cam-clutch which rotates on the shaft. During the time in which the cam-clutch makes a revolution, an eccentric cam and its follower cause the code bar bail, the five code

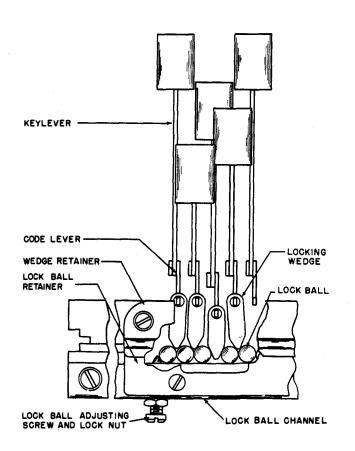


Figure 2-5. Keylever Lock Ball Mechanism

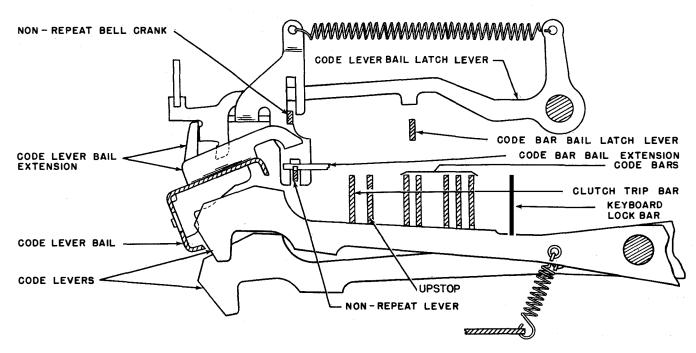


Figure 2-6. Keylever Mechanism, Selected Position

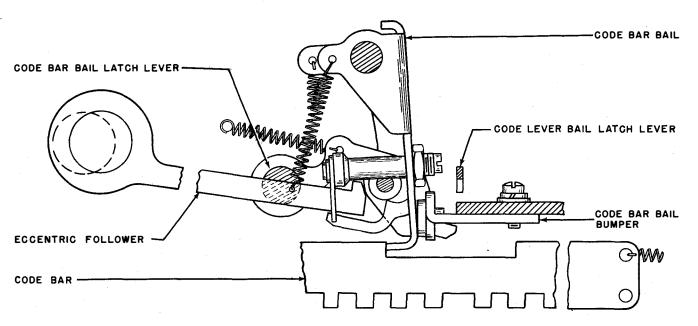


Figure 2-7. Code Bar Bail Mechanism, Released Position

bars, and the clutch trip bar to be returned to their original positions (figures 2-9 and 2-10). As the code bar bail moves to the left, it carries with it the non-repeat lever (figure 2-11). This in turn rotates the non-repeat bell crank about its pivot point until it lifts the code lever bail latch lever out of engagement with the code lever bail extension. While a spring then returns

the code lever bail to its normal position, the code lever bail extension drops on the non-repeat lever to disengage it from the code bar bail. The spring then resets the non-repeat mechanism. As the code lever bail returns to its normal position, it releases the operated code lever and its keylever. As the cam-clutch nears the end of its revolution, the clutch shoe lever strikes the stop lever,

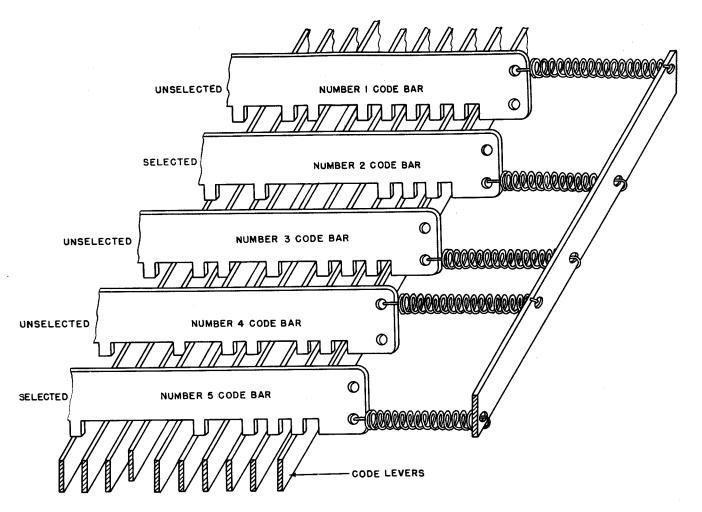


Figure 2-8. Code Bar Selection

and the inertia of the cam disk assembly causes it to continue to turn until its lug makes contact with the lug on the clutch shoe lever. At this point the latch lever drops into the indent in the cam disk and the clutch is held disengaged until the stop lever is again operated (figure 2-12). For detailed information on the operation of the clutch shoes, see paragraph 4.b.(3) of this section.

d. SIGNAL GENERATOR MECHANISM.—The signal generator mechanism is located on the top front part of the keyboard chassis. As was shown in paragraph 3.c., each of the five code bars operates its own transfer lever (figure 2-13). In addition to these five transfer levers, there are two others which are not associated with code bars and which are used to originate the start and stop pulses. The stop pulse transfer lever (seventh from the rear and located next to the fifth pulse transfer lever) is permanently positioned so that its upper end, and its associated selector lever are toward the left or selected position. The start pulse trans-

fer lever (third from rear and located between the second and third pulse transfer levers) is permanently positioned so that its upper end, and its associated selector lever are to the right or unselected position. When a code bar is unselected, the upper end of its transfer lever and its associated selector lever are positioned toward the right (figure 2-13). When a code bar is selected, the upper end of its transfer lever and its associated selector lever are positioned toward the left (figure 2-14). After the code bars have positioned their transfer levers and selector levers, the locking bail which is operated by a cam on the keyboard cam-clutch assembly drops downward between the lock projections on the upper ends of the transfer levers (figure 2-15). When the selected code bars are reset by the code bar bail, the upper ends of their transfer levers are held toward the left by the locking bail. The slotted bearings at their pivot points permit the transfer levers to shift to the left without disturbing the selection set up on the selector levers. Each of the seven selector levers is associated with a cam on the cam-clutch assembly. These

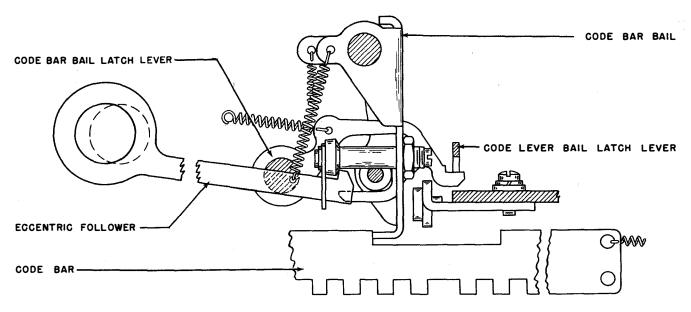


Figure 2-9. Code Bar Bail Mechanism, Reset Position

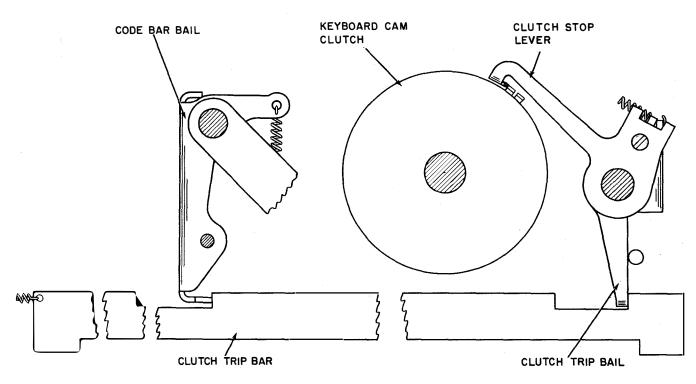


Figure 2-10. Clutch Trip Mechanism, Rear View

cams push the levers upward briefly in the order: start, 1, 2, 3, 4, 5, and stop. A rocker bail is located above the selector levers and is actuated by them. A rocker bail detent holds the bail in either of the two positions it can assume. When a selector lever which is in the unselected position (toward the right) is pushed upward by its cam, it rotates the rocker bail clockwise (figure 2-13). When a selector lever which is in the selected

position (toward the left) is pushed upward by its cam, it rotates the rocker bail counterclockwise (figure 2-15). An extension on the rocker bail is moved downward or upward respectively with clockwise or counterclockwise rotations of the bail. On the rear side of the signal generator mechanism, are located the upper or spacing intermediate lever, the lower or marking intermediate lever, the oscillating lever, the flutter lever, the detent

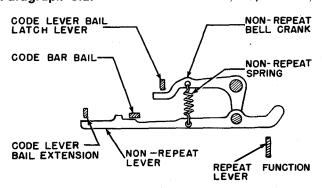


Figure 2-11. Non-Repeat Lever Mechanism

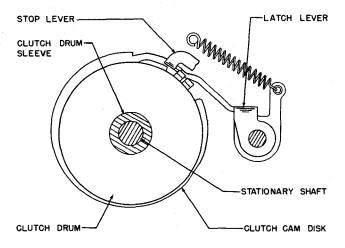


Figure 2-12. Keyboard Clutch Latch Mechanism

toggle, and the detent lever. In the stop position, the rocker extension holds the marking intermediate lever downward and out of engagement with the flutter lever (figure 2-16). As the flutter cam on the keyboard camclutch assembly rotates, it moves the flutter lever and the spacing intermediate lever toward the left as viewed from the rear (figure 2-17). The spacing intermediate lever bears on the upper part of the oscillating lever and rotates it counterclockwise so that the detent toggle is shifted toward the left where it is held by the detent lever. The detent toggle moves the toggle extension in the contact assembly K-101 (on the top side of the signal generator mechanism) toward the left and causes the contact toggle to pivot on the spacing contact and break the marking contact (figure 2-18). This breaks the line circuit which passes through the contact toggle and the marking contact and originates a start or spacing element of the signaling code. When the rocker extension is in its upward position, it holds the spacing intermediate lever upward out of engagement with the flutter lever (figure 2-19). Further rotation of the flutter cam moves the flutter lever and the marking intermediate lever toward the left. The marking intermediate lever bears on the lower part of the oscillating lever and rotates it clockwise so that the detent toggle is shifted

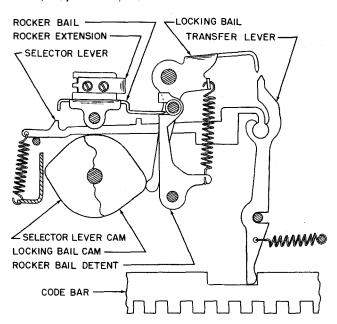


Figure 2-13. Signal Generator Mechanism, Front View

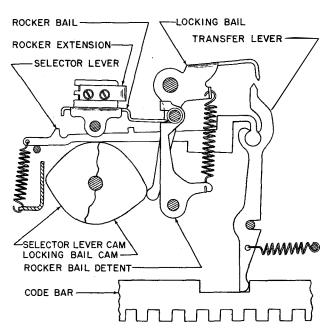


Figure 2-14. Signal Generator Mechanism, Front View

to the right where again it is held by the detent lever. The detent toggle moves the toggle extension in the contact assembly toward the right and causes the contact toggle to close with the marking contact and pivot on it (figure 2-20). This closes the line circuit and originates a marking element of the signaling code. The electrical noise suppressor Z-101 is in the line circuit to aid in the suppression of undesirable radiation when the circuit is broken.

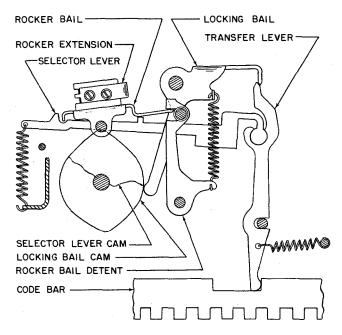


Figure 2-15. Signal Generator Mechanism, Front View

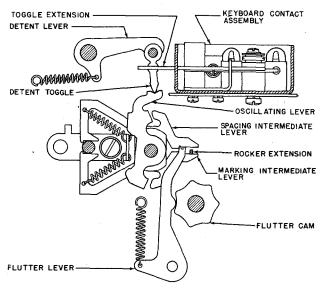


Figure 2-16. Signal Generator, Rear View,
Stop Position

e. LOCAL CARRIAGE RETURN MECHANISM.— Operation of the local carriage return keylever (red) causes its function lever to raise the forward end of the local carriage return bail (figure 2-21). The bail rotates about its pivot point until the upper end engages the carriage return lever on the Automatic Typer. Thus, the carriage return mechanism on the local Automatic Typer is made to operate without disturbing the line circuit. The carriage return mechanism is fully described in paragraph 4.i. (4) of this section.

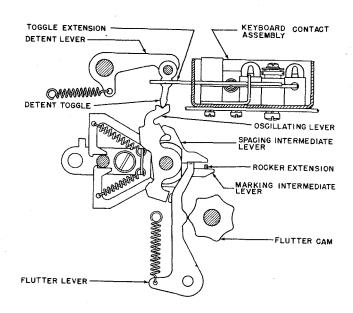


Figure 2-17. Signal Generator, Rear View, Spacing Position

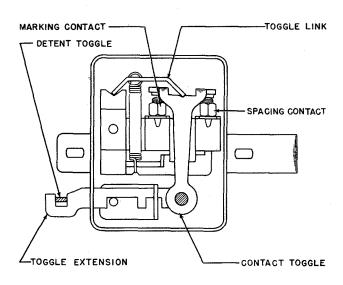


Figure 2-18. Contact Assembly, Spacing Position

f. LOCAL LINE FEED.—Operation of the local line feed keylever (red) causes its function lever to raise the forward end of the local line feed bail (figure 2-22). The bail rotates about its pivot point and the upper end pushes the trip link until the link engages the line feed clutch trip lever on the Automatic Typer. Thus, the line feed mechanism on the local Automatic Typer is made to operate without disturbing the other Automatic Typers on the same line circuit. The line feed mechanism is fully described in paragraph 4.i.(5) of this section.

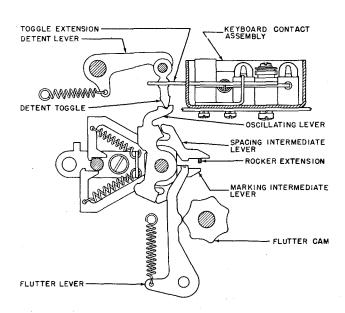


Figure 2-19. Signal Generator, Rear View, Marking Position

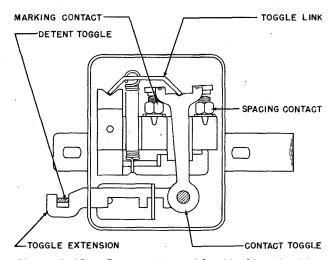


Figure 2-20. Contact Assembly, Marking Position

g. BREAK MECHANISM.—Operation of the break keylever (red) causes its function lever to raise the break rod and shift the break bail (figure 2-23). As the break bail moves upward, its lower end engages the lower end of the oscillating lever to rotate the lever counterclockwise as viewed from the rear (figure 2-24). The oscillating lever shifts the detent toggle toward the left where it is held by the detent lever. The detent toggle moves the toggle extension in the contact assembly toward the left and causes the contact toggle to pivot on the spacing contact and break the marking contact

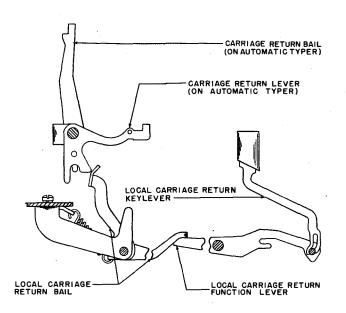


Figure 2-21. Local Carriage Return Mechanism

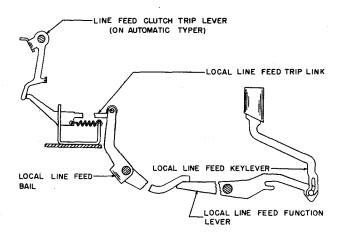


Figure 2-22. Local Line Feed Mechanism

(figure 2-18). This breaks the line circuit until the break keylever is released. When the keylever is released, a spring on the break bail moves it downward. The upper end of the bail engages the upper end of the oscillating lever to rotate it clockwise and close the contacts in the contact assembly.

b. REPEAT MECHANISM.—Operation of the repeat keylever (red) simultaneously with one of the green keylevers or the space bar, disables the non-repeat mechanism and causes the character or function selected to be repeated as long as the repeat keylever is held operated. The operated repeat keylever causes its function lever to raise the right end of the non-repeat lever (figures 2-11 and 2-25), and rotate it about its pivot point. In this position, the non-repeat keylever cannot be engaged and operated by the code bar bail. There-

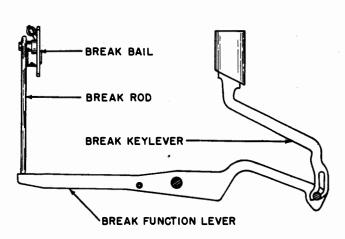


Figure 2-23. Break Mechanism

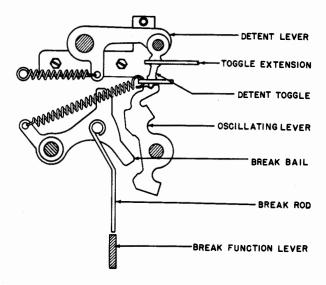


Figure 2-24. Break Mechanism

fore, the non-repeat bell crank will not reset the operated code lever bail latch lever which then maintains both the code lever bail and the code bar bail latch lever in their operated positions until the repeat keylever is released.

i. KEYBOARD LOCK MECHANISM.—Operation of the keyboard lock keylever (red) causes its function lever to raise the keyboard lock bar pawl (figure 2-26). As shown in paragraph 4.i.(8) of this section, the reception of two consecutive blank code signals by the Automatic Typer, results in its driving its keyboard lock lever downward—(Not applicable to TT-128A/UG, TT-129A/UG, TT-130A/UG, and TT-131A/UG). The lock lever makes contact with the lock plunger on the Keyboard and also pushes it down ward. As the plunger moves, it exerts pressure on the yield spring which con-

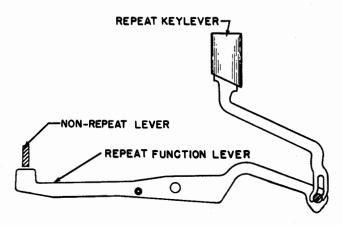


Figure 2-25. Repeat Mechanism

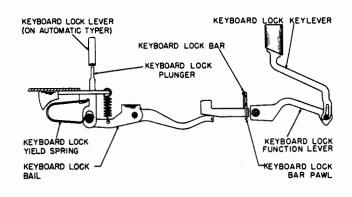


Figure 2-26. Keyboard Lock Mechanism

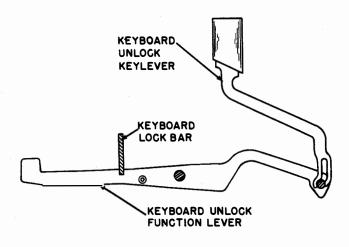


Figure 2-27. Keyboard Unlock Mechanism

nects it with the keyboard lock bail. The bail rotates about its pivot point to engage the keyboard lock function lever and causes the lever to raise the lock bar pawl. Thus, the pawl may be raised either by local operation of the keyboard lock keylever, or by operation of the blank or break keylevers, on any Keyboard in the line circuit. In its upper position, the pawl releases the keyboard lock bar and a spring pulls the bar toward the right (figure 2-28). In this position, projections on the lower side of the bar block the upward movement of any code lever and the repeatt function lever.

j. KEYBOARD UNLOCK MECHANISM.—Operation of the keyboard unlock keylever (red) causes its function lever to rise against a camming surface on the keyboard lock bar and drive the bar toward the left

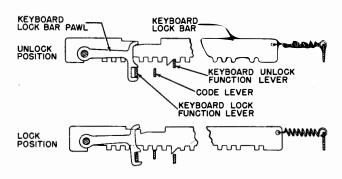


Figure 2-28. Keyboard Lock Mechanism

until the lock bar pawl drops into a notch in the lock bar (figures 2-27 and 2-28). In this position, the projections on the lock bar lie between the code levers and offer no interference with their operation.

k. MARGIN INDICATOR MECHANISM.—The margin indicator cam disk on the automatic typer spring drum rotates with the drum as printing or spacing occur. See paragraph 4.g.(1) of this section. As the end of each line is approached, the cam surface of the disk makes contact with the margin indicator contact lever and rotates it clockwise about its pivot point (figure 2-29). When the contact lever leaves the switch plunger, the switch S-101 operates and closes the circuit to a margin indicator light I-751 in the Cabinet (figures 2-3 and 2-79). A carriage return cycle returns the cam disk to its starting position and the margin indicator light switch opens.

l. TIME DELAY MECHANISM.—As shown in paragraph 6.c. of this section the electrical motor control mechanism in the Power Distribution Panel must receive an electrical pulse to stop the AC Motor. This pulse is supplied by the time delay mechanism on the Base or Keyboard which contains two ratchet wheels—one with 27 teeth, and one with 28 teeth. The reciprocating eccentric follower pawl, powered by the intermediate shaft, drives the ratchet wheels one tooth at a time (figure 2-30). Therefore, the ratchet wheel with 27 teeth turns a little faster than the one with 28 teeth. The

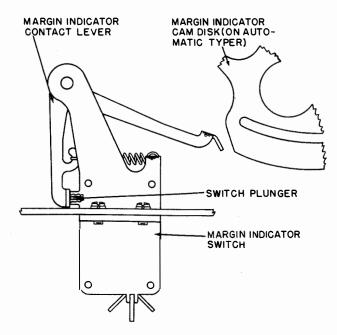


Figure 2-29. Margin Indicator Mechanism

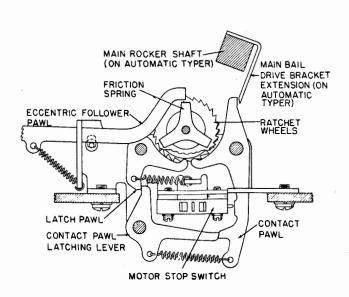


Figure 2-30. Time Delay Mechanism

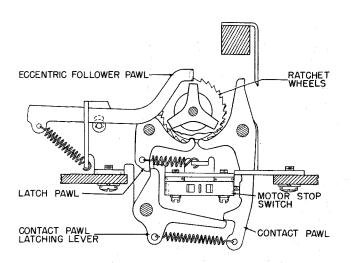


Figure 2-31. Time Delay Mechanism

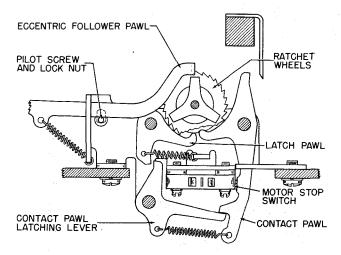


Figure 2-32. Time Delay Mechanism

latch pawl rides the inside flanges of the ratchet wheels. The contact pawl is held away from the flanges by the contact pawl latching lever which is controlled by the latch pawl. Each ratchet wheel has an indentation in its inside flange. After a maximum of 756 revolutions of the intermediate shaft, these indentations are adjacent for nearly one revolution. When the adjacent indentations pass over the latch pawl, it drops into them briefly and disengages the contact pawl latching lever from the contact pawl. This allows the contact pawl to ride the flanges of the ratchet wheels until either one of two things occur (figure 2-31). If a line signal is received before 756 revolutions of the intermediate shaft have taken place, the main bail drive bracket extension on the Automatic Typer engages the upper end of the contact pawl and causes it to again be latched by the contact

pawl latching lever. If a line signal is not received before 756 revolutions of the intermediate shaft occur, the indentations in the flanges of the ratchet wheels again become adjacent so as to permit the contact pawl to drop into them briefly, and pulses the motor stop switch S-103 (figure 2-32). This pulse is applied to the electrical motor control mechanism in the Power Distribution Panel to shut down the motor. The time lapse between the reception of the last line signal and the shutting down of the motor varies from 86 to 172 seconds for 60 words per minute operation, and from 53 to 106 seconds for 100 words per minute operation. If it is not desirable to have the motor shut down automatically, the time delay mechanism may be disabled. To accomplish this, loosen the nut on the pilot screw, raise it to the top of its slot, and tighten the nut. When the pilot screw is in this position, the eccentric follower pawl is held out of engagement with the ratchet wheels.

4. AUTOMATIC TYPER MX-1115A/UG.

a. GENERAL.

- (1) The receiving circuit for the Automatic Typer (figure 2-33) consists of two 132 ohm selector magnet coils E-1308 and E-1309 wired to a receptacle J-1301 which is mounted on the automatic typer right frame (figure 1-4). At the time the Automatic Typer is installed in its Cabinet, connector P-1102 on the end of a rubber covered cable which emanates from the Power Distribution Panel SB-154A/UG (figure 1-13), is plugged into this receptacle. A terminal board TB-1102 in the Power Distribution Panel provides for the connection of the selector magnet coils in series for 0.020 ampere line current operation, or in parallel for 0.060 ampere line current operation.
- (2) The Automatic Typer also has a set of electrical contacts E-1301 and E-1302 which are connected to the receptacle J-1301 on its right frame. These are used to pulse a signal bell magnet E-759 in the Cabinet and are operated by a mechanism described in paragraph 4.i.(7).

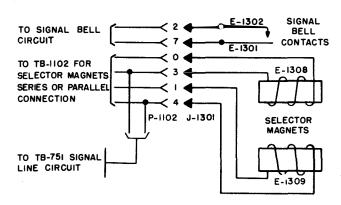
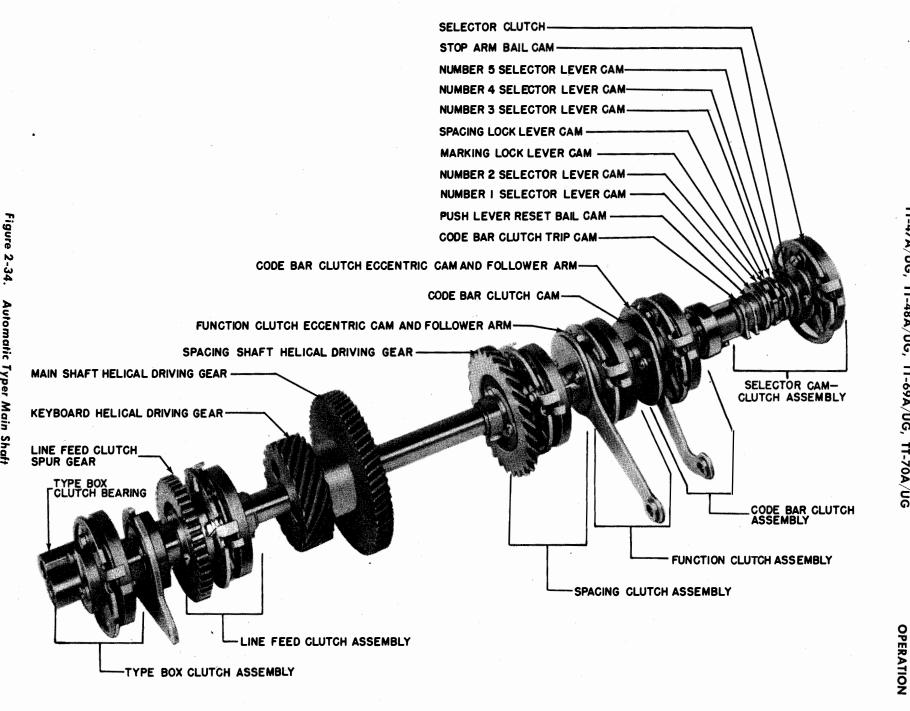


Figure 2-33. Automatic Typer MX-1115A/UG, Schematic Wiring Diagram



ORIGINAL

b. MAIN SHAFT. (See figure 2-34.)

- (1) The main shaft is located in the lower rear portion of the Automatic Typer and extends the full length of the unit. It is supported by ball type bearings mounted in each side frame.
- (2) At the time the Automatic Typer is mounted on a Keyboard, the keyboard helical driving gear on its main shaft meshes with the signal generator helical driven gear. The main shaft helical driven gear meshes with the main shaft helical driving gear on the motor driven intermediate shaft on the Keyboard. Thus, motive force is extended from the motor to the main shaft which in turn drives the keyboard mechanism.
- (3) The main shaft carries six clutches each of which, when tripped, drives its associated mechanism. These clutches have two shoes which bear against the inside surface of a drum which in turn is keyed to the main shaft. They operate as follows:
- (a) Figure 2-35 shows a clutch disengaged. Disengagement is accomplished by bringing together lug A on the clutch cam disk, and the lower end of clutch shoe lever B. The upper end of lever B pivots about its ear C and allows its other ear D to move toward the right. The upper spring then pulls the two shoes together and away from the drum.
- (b) Figure 2-36 shows the same clutch engaged. This is accomplished by releasing the lower end of lever B. The upper end of lever B pivots about its ear C (which bears against the upper end of the secondary shoe) and moves its ear D, and the upper end of the primary shoe, toward the left until the shoe

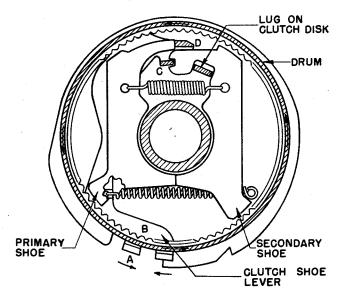


Figure 2-35. Clutch, Disengaged

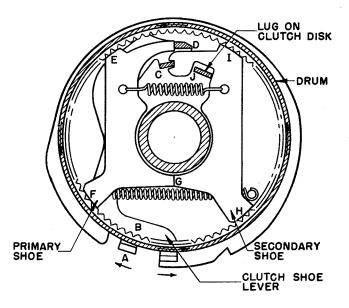


Figure 2-36. Clutch, Engaged

makes contact with the drum at point E. As the drum turns counterclockwise, it drives the primary shoe downward, so that it again makes contact with the drum, this time at point F. There, the combined forces acting on the primary shoe cause it to push against the secondary shoe at point G. The lower end of the secondary shoe then bears against the drum at point H. The revolving drum acts to drive this shoe upward so that it again makes contact with the drum at point I. Since the forces involved are multiplied at each of the preceding steps, the final force developed at point I is very great. This force is applied to the lug J on the clutch cam disk to cause it to turn in step with the drum. The cam disk on each clutch is connected with the particular mechanism involved.

(c) Two of the clutches (namely the line feed and the spacing clutches) have three sets of lugs equally spaced about their periphery for controlling the engagement and disengagement of the clutch shoes with the drum. Thus, these clutches may turn only one-third of a revolution when tripped. The function clutch has two sets of lugs diametrically opposite of each other and may turn only one-half of a revolution when tripped. The remaining clutches have one set of lugs, and must turn a complete revolution when tripped.

c. SELECTING MECHANISM.

(1) The selecting mechanism consists of the selector magnet coils E-1308 and E-1309 and armature, a selector cam-clutch and the associated levers, arms, bails, and slides necessary to convert the electrical elements of the start-stop code to the mechanical arrangements which govern the characters to be printed and the functions to be performed.

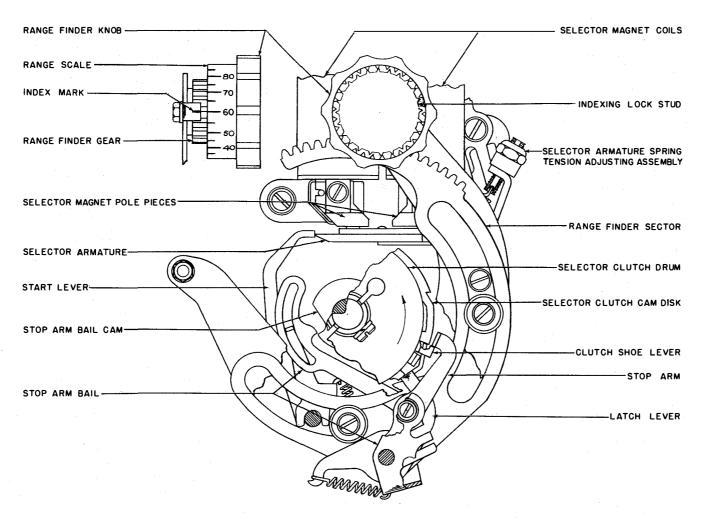


Figure 2-37. Selector Cam Clutch Trip Mechanism

- (2) The selector cam-clutch comprises, from right to left (figure 2-34), the clutch, the start lever bail cam, the fifth, the fourth, and the third selector lever cams, the cam for the spacing and the marking lock levers, the second and the first selector lever cams, the push lever reset bail cam, and the code bar clutch trip cam.
- (3) During the time in which a closed line circuit (marking) condition exists, the selector magnet coils are energized and hold the selector armature against the selector magnet pole pieces. In this stop position, the selector armature blocks the start lever (figure 2-37). While the signal for any character or function is being received, the start (spacing) element releases the selector armature which, under the tension of its spring, moves away from the magnet cores and thus unlatches the start lever. The start lever turns clockwise under the tension of its spring, to move the stop arm bail into the indent of its cam. As the stop arm bail rotates about its pivot point, the attached stop arm is moved out of engagement with the clutch shoe lever. The selector cam-clutch engages and begins to rotate. The stop arm

bail immediately rides to the high point of its cam where it remains to hold the start lever away from the selector armature during the signaling time. When the stop element at the end of the signal is received, the selector armature is pulled up to block the start lever. Thus, the stop arm bail is prevented from dropping onto the low part of its cam (stop position of camclutch), and the attached stop arm is held so as to stop the clutch shoe lever. The selector clutch one-stop cam disk upon which the latch lever rides has an indent at its stop position. When the clutch shoe lever strikes the stop arm, the inertia of the cam disk assembly causes it to continue to turn until its lug makes contact with the lug on the clutch shoe lever. At this point, the latch lever drops into the indent in the cam disk, and the clutch is held disengaged until the next start element is received.

(4) The series of five selecting levers and a marking lock lever ride their respective cams on the selector cam-clutch. As the marking and spacing signal elements are applied to the selector magnet, the selector cam-

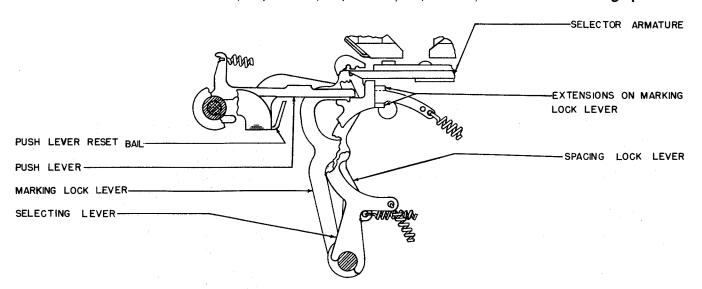


Figure 2-38. Selecting Mechanism, Right End View

clutch rotates and actuates the selector levers. When a spacing impulse is received, the marking lock lever is blocked by the end of the armature and the spacing lock lever swings toward the right, (right end view) above the armature and locks it in the spacing position until the next signal transition is due. Extensions on the marking lock lever prevent the selector levers from following their cams (figure 2-38). When a marking element of the signal is received, the spacing lock lever is blocked by the end of the armature and the marking lock lever swings to the right below the armature to lock it in the marking position until the next signal transition is due. During this marking condition, the selector levers are not blocked by the marking lock lever extensions but are permitted to move against their respective cams. The selecting lever that is opposite the indent in its cam, while the armature maintains a marking condition, swings to the right or selected position momentarily. Each selecting lever has an associated push lever which drops into a notch on the top of the selecting lever when it falls into its cam indent. As the selector cam-clutch turns, each selecting lever together with its latched push lever is moved toward the left and held there until all five code impulses have been received. At that time, all selected push levers are positioned to the left and all unselected push levers are positioned to the right in which positions they are held until the next start element is received. When the subsequent start element again causes the selector camclutch to rotate, the push lever reset bail, in following its cam, unlatches the selected push levers. The push levers then return to the unselected (right) position under their spring tension.

d. ORIENTATION.

(1) In order to establish the operating margins for

the Automatic Typer, it is necessary that the sampling of the signal by the selecting mechanism occur at the most favorable portion of the signal elements. This is referred to as orientation.

(2) When the range finder knob (figure 2-37) is pushed inward and rotated, its attached range finder gear moves the range finder sector (which mounts the stop arm bail, stop arm and latch lever), either clockwise or counterclockwise about the selector cam-clutch. This changes the angular position at which the selector cam-clutch stops with respect to the selecting levers. When an optimum setting is obtained, the range finder knob is released. Its inner teeth engage the teeth of the indexing lock stud to lock the range finder mechanism in position. The setting may be read on the range scale opposite the fixed index mark.

e. PRINTING MECHANISM.

(1) CODE BAR MECHANISM.

(a) GENERAL.—The character which is to be printed is determined basically by the combination set up on the six code bars which are operated by the code bar positioning mechanism. In order to position the code bars, their associated shift bars must first be individually thrown toward the front or rear of the Automatic Typer by transfer levers which respond to action of the selecting mechanism. While held in these positions, the code bar shift bars are acted upon by code bar shift levers to which motion is extended from the code bar clutch when activated by the code bar clutch trip cam. Detailed functioning of the coordinated mechanism follow.

(b) CODE BAR POSITIONING.—Each push lever (paragraph 4.c.(4) of this section) has an associated intermediate arm, transfer lever, and code bar shift bar (figure 2-39). In addition, there is a "common"

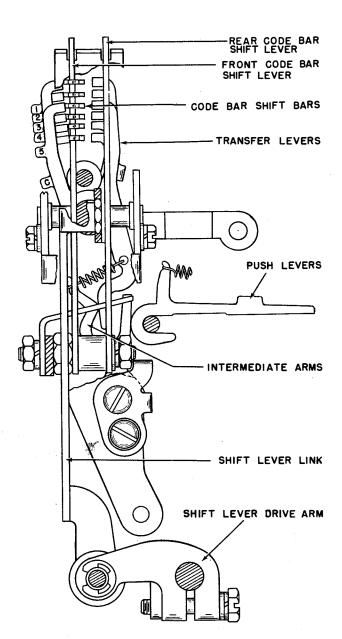


Figure 2-39. Code Bar Positioning Mechanism

transfer lever with its code bar shift bar. When a push lever is toward the right (space position) its associated intermediate arm and transfer lever are pulled toward each other by a spring. This causes the transfer lever to turn counterclockwise about its pivot point (right end view) and position its code bar shift bar toward the front of the Automatic Typer (space position). When a push lever is to the left (mark position), it moves the intermediate arm toward the left. This causes the transfer lever to turn clockwise about its pivot point and position its code bar shift bar toward the rear of the Automatic Typer (mark position). The common

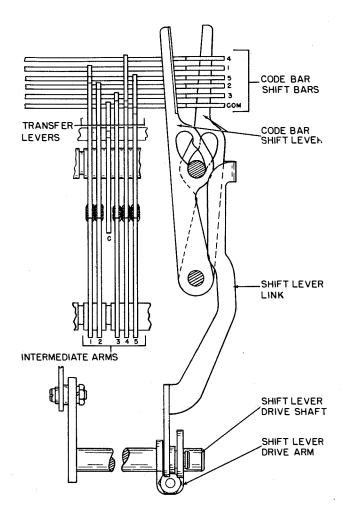


Figure 2-40. Code Bar Positioning Mechanism,
Front View

transfer lever (front view-third from the left) has an extension which passes behind the number 1 and number 2 transfer levers (figures 2-40 and 2-41). When either or both of these transfer levers are moved to the rear (mark position), they move the common transfer lever to the rear. This, in turn, moves the common code bar shift bar toward the rear of the Automatic Typer (mark position). As the selector cam-clutch completes its revolution, the trip shaft operating lever (fastened to the code bar clutch trip shaft) rides to the peak of the code bar clutch trip cam (figure 2-34). This causes the shaft to turn slightly and its attached code bar clutch trip lever releases the code bar clutch. Rotation of the clutch actuates the code bar shift levers through the intervening shift lever drive shaft, drive arm, and shift lever link (figure 2-40). Code bar shift bars which have been moved toward the rear position by their transfer levers are engaged by the rear code bar shift lever and are shifted to the left. Code bar

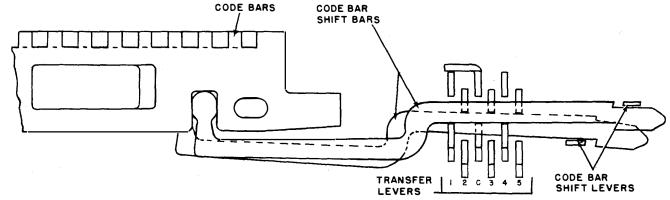


Figure 2-41. Code Bar Positioning Mechanism,
Top View

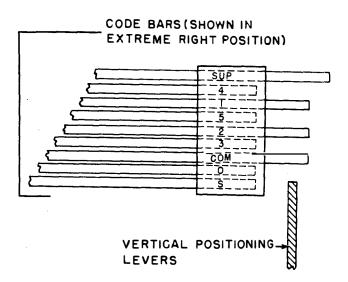


Figure 2-42. Code Bar Arrangement

shift bars which have been moved toward the front position are engaged by the front code bar shift lever and are shifted toward the right (figure 2-41). Thus, the six code bar shift bars shift their respective code bars toward the right or left where they are retained by a detenting mechanism. The code bar clutch one-stop cam disk upon which the latch lever rides has an indent at its stop position. When the clutch shoe lever strikes the code bar clutch trip lever, the inertia of the cam disk assembly causes it to continue to turn until its lug makes contact with the lug on the clutch shoe lever. At this point the latch lever drops into the indent in the cam disk and the clutch is held disengaged until the trip lever is again operated.

(c) ARRANGEMENT OF CODE BARS.— Three additional code bars bring the total number of code bars to nine. They are arranged from top to bottom as follows: Suppression, number 4, number 1, number 5, number 2, number 3, common, automatic carriage return and line feed, and shift-unshift (figure 2-42). In the equipment as furnished, the suppression code bar has no connection with a shifting mechanism. The automatic carriage return and line feed code bar and the shift—unshift code bar are actuated by mechanism which will be discussed under FUNCTIONS.

(2) TYPE BOX AND TYPE BOX CARRIAGE.

(a) GENERAL.—All of the characters that may be printed by the Automatic Typer are formed by type pallets which are arranged in a type box. The type box is mounted in a carriage from which it may be removed for cleaning or replacement. In order to print any selected character, the type box carriage is so positioned that the character on the pallet is directly over the required location on the paper. Since the pallets are arranged in four horizontal rows and sixteen vertical rows, it is necessary to position the type box carriage both horizontally and vertically. See figure 2-43 for character arrangement. The type box carriage rides on rollers over a track which is moved vertically for positioning in that particular plane. The carriage is positioned horizontally on its track by the oscillating rail slide and type box carriage link. The slide rides the oscillating rail and is clamped to the rear section of the upper draw wire rope. The link provides a flexible connection to permit the type box carriage to follow both the vertical movement of the type box carriage track and the horizontal movement of the oscillating rail slide. The lower right rear end of the upper draw wire rope is fastened to the spacing drum. From this point, it passes part way around the spacing drum, upward and around the right oscillating rail pulley, over to the left oscillating rail pulley, and downward to the spring drum. After passing part way around the spring drum, the upper draw wire rope is doubled backward around it and passes upward to the left printing carriage rail pulley over to the right printing carriage rail pulley, and downward to the spacing drum to which it is again fastened. The lower draw wire rope is fastened at its left

Figure 2-43. Type Box Arrangement, Viewed From Front of Automatic Typer

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USED ON TT-128A/UG, TT-129A/UG, TT-130A/UG, AND TT-131A/UG

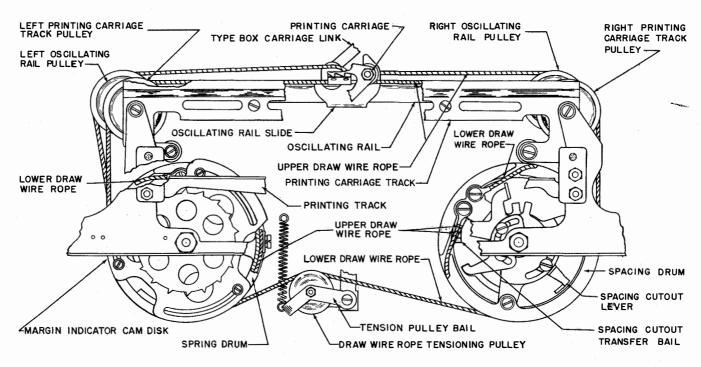


Figure 2-44. Draw Wire Rope Mechanism

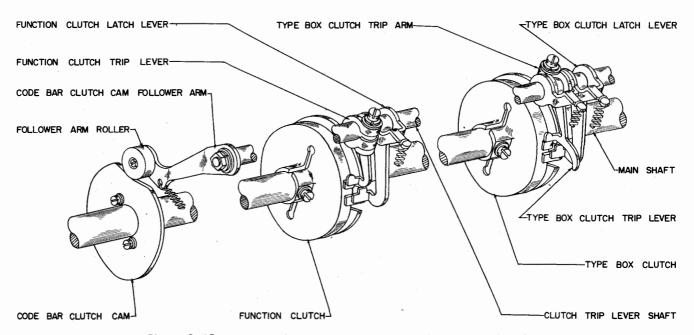


Figure 2-45. Trip Mechanism For Function and Type Box Clutches

end to the spring drum and, at its right end, to the spacing drum. It acts in opposition to the upper draw wire rope and holds the two drums in phase (figure 2-44). A tensioning pulley rides the under side of the lower draw wire rope, to take up any slack which may occur due to stretching of the upper and lower draw

wire ropes. The oscillating rail is supported by pivoted arms at each end. These arms which extend downward are pivoted on the Automatic Typer frame at their lower ends. Thus, the oscillating rail and draw wire rope that it carries may be shifted to the left or right with no change in position relative to each other. The oscillating

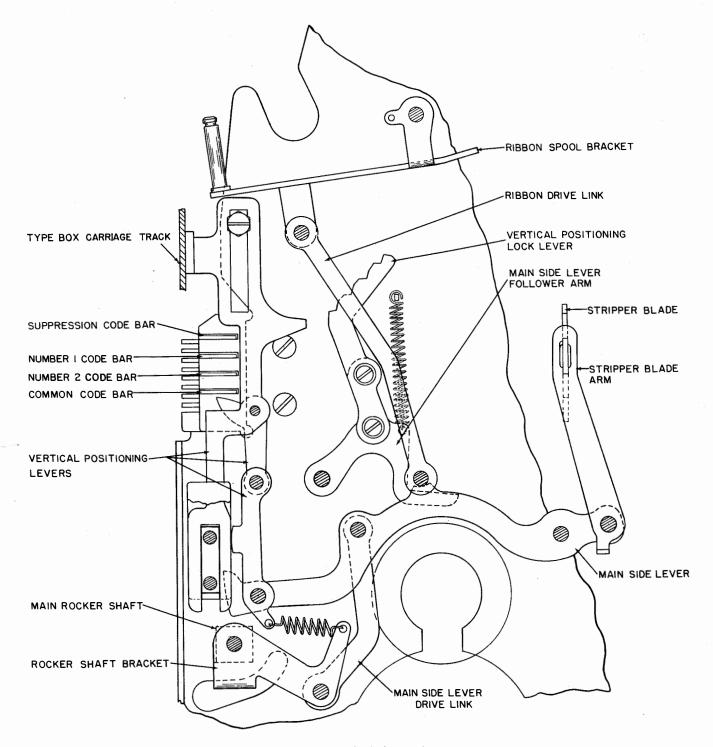


Figure 2-46. Right Side Mechanism

rail shift slide and the two oscillating rail shift links are used to accomplish the horizontal positioning of the oscillating rail and also connect it with the oscillating rail shift slide. The links are pivoted and are of such a length that only one at a time may be fully entended. As will be shown later under FUNCTIONS, the oscillating rail shift links are used to position the oscillating

rail and thus the type box, so that either the left side (letters characters), or the right side (figures characters), of the type box is selected.

(b) POSITIONING.—The selection of the various characters from the four horizontal rows and the eight vertical rows in either the left (LTRS) side or the right (FIGS) side of the type box, and the printing

TT-47A/UG, TT-48A/UG, TT-69A/UG, TT-70A/UG

of those characters take place as follows:

- 1. Briefly, the number 1 and number 2 code bars determine the selection of the horizontal row. The number 3 code bar determines whether the selection is to be made from the left four vertical rows or right four vertical rows (in either the letters or figures side). The number 4 and number 5 code bars determine the selection of one row from the four vertical rows predetermined by the number 3 code bar.
- 2. Four code bars (longer than the others), extend through the right code bar bracket and serve as stops for the right "knee action" vertical positioning levers. They are (from top to bottom), suppression, number 1, number 2, and common (figure 2-42). Notches are arranged in the left ends of the code bars so that the left side "knee action" vertical positioning levers are stopped, in each case, by the same code bar that blocks the right side levers. After all the code bars have been positioned by the code bar positioning mechanism, the code bar clutch cam follower arm and its roller, in traversing the sloping indent on the code bar clutch cam rotates the clutch trip lever shaft. As the shaft turns, it first causes the function clutch trip lever to release the function clutch (figure 2-45) and then causes the type box clutch trip arm to engage its trip lever and release the type box clutch. When the type box clutch completes its revolution, it is disengaged by its trip lever and latch lever in the same manner as was the code bar clutch, described in paragraph 4.e. (1)(b)of this section. During its rotation, the type box clutch operates a drive link and a bracket to cause the main rocker shaft to oscillate. This, in turn, through its left and right brackets and the main side lever drive links, extends the motion to the main side levers to operate the "knee action" vertical positioning levers (figure 2-46). These levers are driven upward until they strike a projecting code bar which causes them to buckle. The type box carriage track is mounted between the vertical positioning levers and its vertical motion is controlled by them. When the number 1 and number 2 code bars are toward the right (spacing), the common code bar is also toward the right where it blocks the vertical positioning levers. The top row of pallets in the type box are then in line for printing. When the number 1 code bar is toward the left (marking), and the number 2 code bar is toward the right (spacing), the common code bar is toward the left. The number 2 code bar blocks the vertical positioning levers, and the second row of pallets in the type box are then in line for printing. When the number 1 code bar is toward the right (spacing), and the number 2 code bar is toward the left (marking), the common code bar is toward the left. The number 1 code bar blocks the vertical positioning levers and the third row of pallets in the type box are then in line for printing. When the number 1 and num-
- ber 2 code bars are toward the left (marking), the common code bar is also toward the left. The suppression code bar blocks the vertical positioning levers, and the fourth or bottom row of pallets in the type box are then in line for printing. At each of the the four levels at which the vertical positioning levers may be stopped, they are locked momentarily by lock levers which are controlled by the main side lever follower arms.
- 3. A bracket attached to the main rocker shaft applies vertical motion to the main bail by means of two main bail links (figure 2-47). Attached to each end of the oscillating rail shift slide, are pivoted "buckling" type drive links which extend downward to each end of the main bail. As the main bail moves downward, the left shift slide drive links, if not buckled, will try to shift the oscillating rail shift slide toward the right while the right shift slide drive links, if not buckled, will try to shift the oscillating rail shift slide toward the left. When the number 3 code bar is shifted toward the left (marking), the horizontal motion reversing slide is shifted toward the left by the reversing slide shift lever, and is held there by detent levers. A bracket near the right end of the reversing slide will then make contact with the right shift slide drive links and cause them to buckle. As the main bail is driven downward, the unbuckled left shift slide drive links will start to shift the oscillating rail shift slide toward the right. This positions the type box so that the character to be printed will be found in the left half of the LTRS or FIGS side. In a similar manner, when the number 3 code bar is shifted toward the right (spacing) the horizontal motion reversing slide is also shifted toward the right by the shift lever and is held there by the detent levers. A bracket near the left end of the horizontal motion reversing slide then makes contact with the left shift slide drive links and causes them to buckle. As the main bail is driven downward, the unbuckled right shift slide drive links will start to shift the oscillating rail shift slide toward the left. This positions the type box so that the character to be printed will be found in the right half of the LTRS or FIGS side.
- 4. After it has been thus determined in which group of four vertical rows the character to be printed is located, the number 4 and number 5 code bars operate three horizontal motion stop slides to determine the row in that group in which the character is to be found (figure 2-47). A wedge shaped horizontal positioning lock lever which is pulled downward by the main bail through a yield spring, bears against the horizontal positioning lock lever arm. This arm drives the oscillating rail shift slide in the direction in which it was started (by the number 3 code bar selection) until one of the two decelerating slides which are mounted on the oscillating rail shift slide strikes an unselected

Figure 2-47. Front Plate Horizontal Positioning Mechanism

horizontal motion stop slide. A camming surface on the unbuckled shift slide drive links makes contact with and rolls down the face of the decelerating slide and causes the drive links to buckle. The oscillating rail shift slide finally comes to rest when it strikes the blocked decelerating slide. This in turn ends the downward excursion of the lock lever, and the yield spring extends until the main bail reaches the lowest point of its oscillation. As the main bail returns upward, it centers the oscillating rail shift slide. It is during this time that the horizontal motion stop slides are positioned for the selection of the next character. The number 4 and number 5 code bars each operate a code bar bell crank. Each, in turn, moves a horizontal motion stop slide toward the front (marking), or toward the rear (spacing) (figure 2-48). A third (common) stop slide (spring tensioned toward the rear) is located between the upper and lower stop slides and has projections which pass across the front edges of these slides (figure 2-47). Each stop slide is of a different length. The common stop slide which is the longest stop has an additional step on its shank so that it serves as the shortest stop when all the slides are moved forward. The upper slide (operated from the number 4 code bar) is the second longest stop, and the lower slide (operated from the number 5 code bar) is the third longest stop.

5. When both the number 4 and number 5 code bars are toward the right (spacing), their respective horizontal motion stop slides and the common stop slide are toward the rear. The oscillating rail shift slide is moved to the right or left of its central position (determined by the number 3 code bar) until it is stopped by one end of the common horizontal motion stop slide. This positions the first vertical row (right or left of FIGS center or LTRS center) in line for printing. When the number 4 code bar is toward the right (spacing), and the number 5 code bar is toward the left (marking), the lower and the common stop slides are toward the front, and the upper stop slide is toward the rear. The oscillating rail shift slide is moved to the right or left of its central position until it is stopped by one end of the upper stop slide. This positions the second vertical row (right or left of FIGS center or LTRS center) in line for printing. When the number 4 code bar is toward the left (marking), and the number 5 code bar is toward the right (spacing), the upper and the common stop slides are toward the front and the lower stop slide is toward the rear. The oscillating rail shift slide is moved toward the right or left of its central position until it is stopped by one end of the lower stop slide. This positions the third vertical row (right or left of FIGS center or LTRS center) in line for printing. When both the number 4 and number 5 code bars are toward the left (marking), their respective horizontal motion stop slides and the the common stop slide are to-

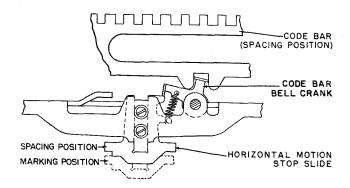


Figure 2-48. Stop Slide Positioning

ward the front. The oscillating rail shift slide is moved toward the right or left of its central position until it is stopped by one side of the shank of the common stop slide. This positions the fourth vertical row (right or left of FIGS center or LTRS center) in line for printing.

(3) PRINTING HAMMER AND PRINTING CARRIAGE.

- (a) GENERAL.—After the type box has been moved so that the selected type pallet is in its proper position, it must be struck by a printing hammer in order to print. This is accomplished by the action of the printing carriage located on the printing carriage track.
- (b) POSITIONING.—The printing carriage rides (on rollers) on the printing carriage track which is rigidly attached to the automatic typer front plate. The carriage is clamped to the forward section of the upper draw wire rope. This moves the carriage along its track in such a manner that the hammer advances to the next printing position.
- (c) PRINTING.—The printing track which is located on the front of the Automatic Typer (figure 2-49) is fastened to an extension at each end of the main bail. As the main bail reciprocates vertically, it extends the motion through the printing track which travels in guides located at each end of the track. The printing arm which extends downward from the printing carriage, rides the printing track. As the arm follows the reciprocating motion of the track, its upper end moves first toward the left and then toward the right. When the upper end of the arm moves toward the left, it rotates the printing hammer operating bail clockwise against its spring tension until it becomes latched by the operating bail latch (figure 2-50). The printing hammer operating bail draws the printing hammer bail away from the type box by means of the printing hammer bail spring. When the upper end of the printing arm moves to its extreme right position, it makes contact with the latch and causes it to release the printing hammer operating bail. The operating bail

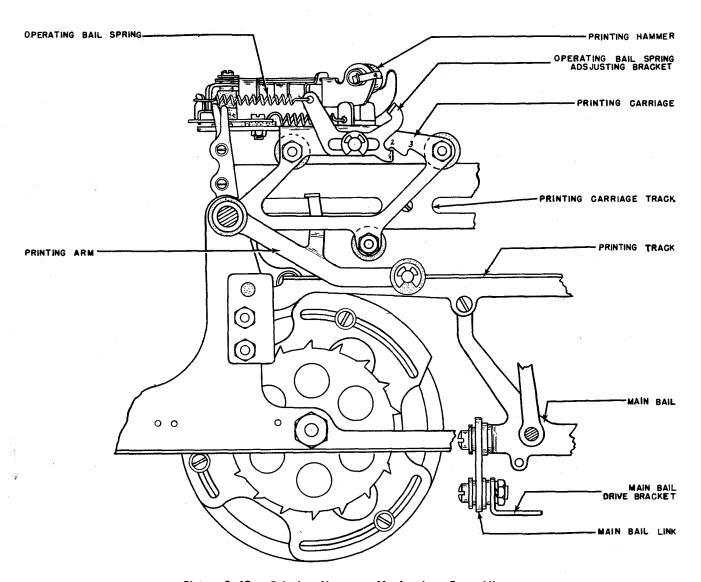


Figure 2-49. Printing Hammer Mechanism, Front View

is swung in a counterclockwise direction by the operating bail spring until it strikes its stop. The printing hammer bail, in being driven by the operating bail, is swung toward the type box. When the operating bail is stopped, momentum causes the printing hammer bail to continue its travel against the tension of the printing hammer bail spring until the printing hammer strikes the selected type pallet.

f. SPACING.

(1) GENERAL.—To properly space the printed character, the type box and printing carriages must be advanced with each character printed. As was shown in paragraph 4.e.(2)(a) of this section and in figure 2-44, the carriages are connected to a draw wire rope which, in turn, is fastened to the spring drum and the spacing drum. The purpose of the spring drum which

contains a torsion spring is to tension the draw wire rope and thus the carriages to the left. The spacing drum has ratchet teeth about its perimeter which are engaged by the eccentric driven spacing drum feed pawls (figure 2-51). The spacing shaft which mounts the spacing eccentrics is driven through its helical gear by the helical driving gear attached to the three-stop spacing clutch on the main shaft. The gear ratio of 11/2 to 1 causes the spacing shaft to turn one-half a revolution each time the spacing clutch is tripped. This allows the feed pawls to advance the spacing drum by the amount of one ratchet tooth. As shown earlier, each time the Automatic Typer operates, the main rocker shaft is made to oscillate about its center. A cam plate which is fastened to the lower side of the rocker shaft is in its lowest position during the rest time. During the time

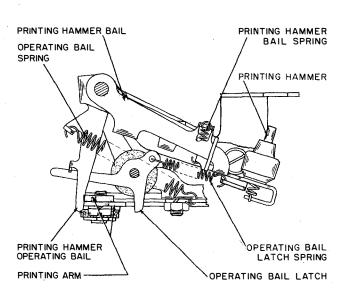


Figure 2-50. Printing Hammer Mechanism, Top View

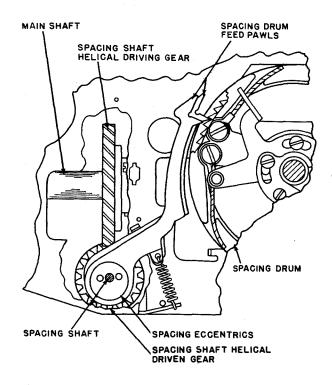


Figure 2-51. Spacing Drum Drive Mechanism

that printing is to take place, the cam plate is moved upward by the shaft and operates the spacing trip lever bail. As this bail is rotated about its pivot point, it raises the spacing trip lever until it latches onto the spacing clutch trip lever arm (figure 2-52). As the rocker shaft reverses its direction of rotation, the spacing trip lever bail and the trip lever move downward thus causing the latched up spacing clutch trip lever arm to operate the spacing clutch trip lever and release the spacing clutch. Before the spacing clutch completes one-third of a revolution, its restoring cam moves the spacing trip lever about its pivot point until it releases the spacing clutch trip lever arm. This, in turn, releases the spacing clutch trip lever which returns to its normal position in time to stop the spacing clutch after onethird of a revolution. The spacing clutch three-stop cam disk upon which the latch lever rides has an indent at each stop position. When one of the three lugs on the clutch shoe lever disk strikes the spacing clutch trip lever, the intertia of the cam disk assembly causes it to continue to turn until its lugs make contact with the lugs on the clutch shoe lever disk. At this point the latch lever drops into an indent in the cam disk and the clutch is held disenagaged until the trip lever is again operated.

(2) SPACING SUPPRESSION.—When certain functions are selected or when the carriages reach their extreme right position, it is necessary to suppress spacing. This is accomplished by moving the spacing suppression slide forward. In this position, it will hold the upper end of the spacing trip lever forward and prevent it from engaging the spacing clutch trip lever arm. In the case of spacing suppression on functions, the spacing suppression slide is shifted by means of the spacing suppression bail. The manner in which this bail is operated will be discussed under FUNCTIONS. When the carriages are near their extreme right position, an adjustable cutout lever on the spacing drum, engages the spacing cut-out transfer bail, which in turn operates the spacing cut-out bail. The adjustable spacing cut-out lever and the end of the spacing cut-out transfer bail are shown in figure 2-44. The spacing cut-out bail shifts the spacing suppression slide and prevents spacing until the carriages are returned. The maximum number of characters which the Automatic Typer may print is eighty-five. In order to prevent spacing beyond this point with subsequent damage to the machine, several teeth are omitted from the spacing drum ratchet wheel.

g. MARGIN INDICATOR.—Before the type box carriage and the printing carriage reach the end of their travel, the margin indicator light I-751 in the Cabinet is illuminated. The contact mechanism which controls the lamp circuit is mounted on the Keyboard and is fully described in paragraph 3.k. of this section. The actuator of this contact mechanism is a disk which is mounted on the spring drum of the Automatic Typer (figure 2-44). The angular position of this cam disk with respect to the spring drum may be altered to change the point at which the indicator will light.

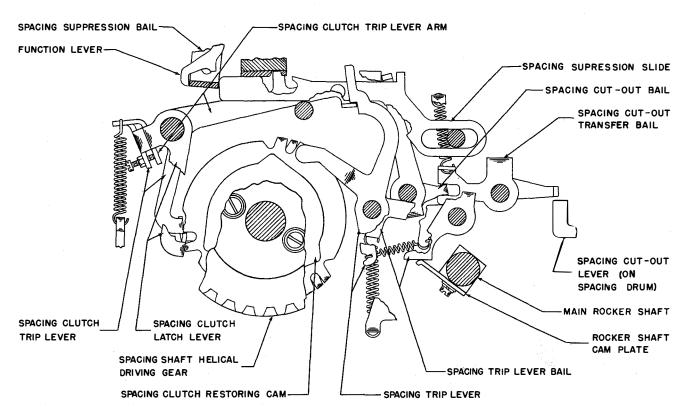


Figure 2-52. Spacing and Spacing Suppression Mechanism

b. RIBBON MECHANISM.

- (1) POSITIONING.—The left and right ribbon feed mechanisms oscillate in a vertical plane with each revolution of the type box clutch. They are driven by ribbon drive links which are attached to the main side levers (figure 2-54). At their uppermost position, the ribbon mechanisms position the ribbon relative to the line which is being printed. After each character is printed, the ribbon mechanisms are dropped downward together with the type box, in order that the last character printed may be viewed. The ribbon is held in place at the point of printing by a ribbon guide which is fastened to the rear of the type box carriage.
- (2) FEEDING.—Each of the ribbon mechanisms consists of a bracket which is hinged at its rear end, and upon which is mounted a ribbon spool shaft (figures 2-53 and 2-54). A ribbon tension bracket is keyed to the lower end of the ribbon spool shaft. A ribbon ratchet wheel is mounted freely on the ribbon spool shaft just below the ribbon spool bracket from which it is separated by a friction washer. The ratchet wheel friction spring on the under side of the ribbon ratchet wheel causes the ratchet wheel to bear against the felt friction washer. This applies a constant drag to the ratchet wheel. A ribbon tension plate which is keyed to the

hub of the ribbon ratchet wheel has two projecting lugs (A and B in figure 2-53) that straddle the lug on the ribbon tension bracket. A ribbon tension spring tends to maintain the ribbon tension bracket against lug A of the ribbon tension plate. In operation the ribbon spool bracket, driven by the ribbon drive link, pivots about point A in figure 2-54. The ratchet feed and ratchet detent levers pivot about points B and C respectively, and are held against the saw tooth shaped teeth on the ribbon ratchet wheel by their springs. As the ribbon spool bracket is moved upward, the ratchet wheel feed lever skips over one tooth, while the ratchet detent lever holds the ribbon ratchet wheel from turning backward. When the ribbon spool bracket is moved downward, the ratchet feed lever engages a ratchet tooth and pushes the ratchet wheel. A tooth on the ribbon ratchet wheel then skips over the ratchet detent lever. The teeth on the left and right ribbon ratchet wheels face in opposite directions so that, when their feed levers are engaged, the left ribbon ratchet wheel turns clockwise, and the right ribbon ratchet wheel turns counterclockwise (viewed from the top). In order for the ribbon to be pulled from one ribbon spool to the other, only one of the ribbon mechanisms can have its ratchet feed and ratchet detent levers engaged with its ribbon ratchet

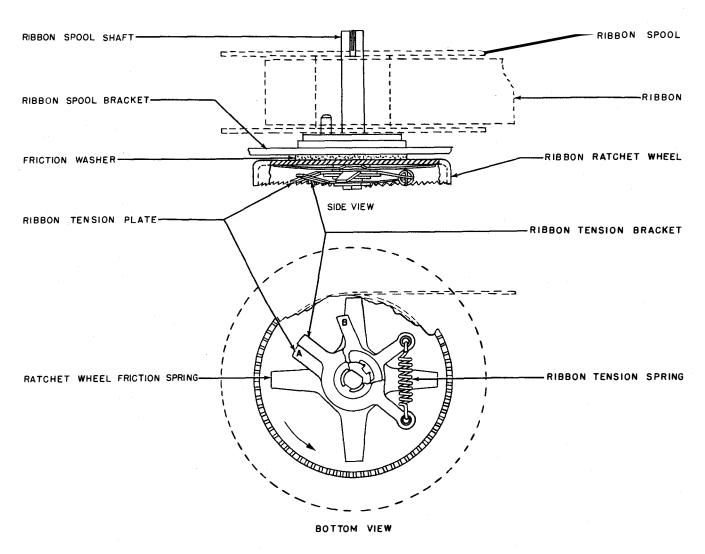


Figure 2-53. Ribbon Tension Mechanism

wheel at a time. As the ribbon ratchet wheel turns (figure 2-53), the ribbon tension plate also turns, and extends the ribbon tension spring. When the lug B of the ribbon tension plate makes contact with the ribbon tension bracket, the ribbon spool shaft is made to turn and the ribbon is thus wound on the ribbon spool. When the ribbon has become completely unwound from one spool, it is necessary to reverse its direction so it can rewind. This is accomplished automatically by disengaging one set of ratchet feed and ratchet detent levers and engaging the other set. While the ribbon is passing from the left spool to the right spool, the right set of levers are engaged. The left set are held disengaged against the tension of their springs by the left ribbon feed reverse lever which is in its downward position (figure 2-56). The lever is held in this position by means of the ribbon reverse detent lever through the intervening ribbon reverse detent cam, ribbon reverse

shaft and ribbon reverse spur gear. As the ribbon unwinds from the ribbon spool, it passes around the ribbon roller (figure 2-55) and through the slot in the end of the ribbon lever. When the ribbon nears its end on the ribbon spool, an eyelet which is fastened to the ribbon, catches in the ribbon lever slot and pulls the lever toward the right. The next time the ribbon mechanism is moved upward, the displaced ribbon lever engages the end of the left ribbon reversing lever and causes it to move to the dashed position shown in figure 2-56. As the lever moves, its teeth rotate the left spur gear which, through the ribbon reverse shaft, turns the detent cam and the right spur gear. As the right spur gear moves the right ribbon reversing lever downward, a pin on the lever drives the right ribbon feed reverse lever downward to disengage the ratchet feed and ratchet detent levers from the right ribbon ratchet wheel. At the same time a pin on the left ribbon reversing lever moves the

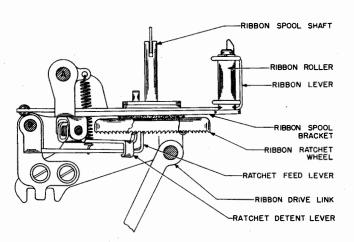


Figure 2-54. Ribbon Mechanism, Left Side

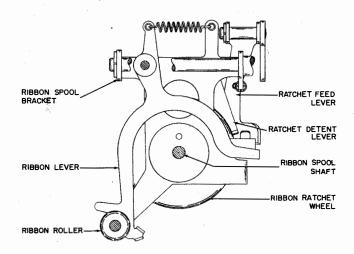


Figure 2-55. Ribbon Mechanism, Left Top View

left ribbon feed reverse lever upward to permit the left ratchet feed and ratchet detent levers to engage the left ribbon ratchet wheel. Thus, the ribbon mechanisms are positioned to rewind the ribbon on the left ribbon spool. When it nears its end on the right ribbon spool, the ribbon is again reversed in a manner similar to that just described. During the reversing cycle the ribbon is maintained taut by the previously extended ribbon tension spring (figure 2-53).

i. FUNCTIONS.

(1) GENERAL.

(a) There are two types of operations which can be performed by the Automatic Typer. The first

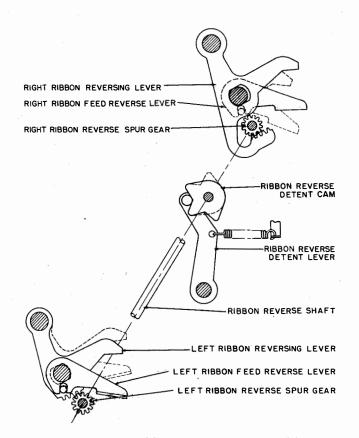


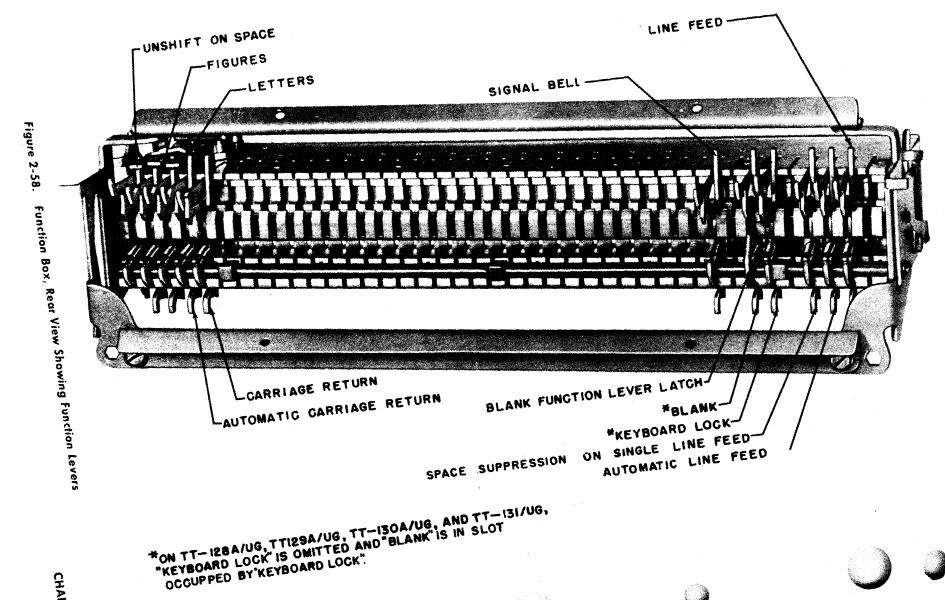
Figure 2-56. Ribbon Reversing Mechanism

embodies those mechanical actions which are directly necessary to the actual printing of a character. The second embodies mechanical action which is supplementary to the printing of a character, or which alters the positions of the various mechanisms, and is known as a function.

(b) As in printing, the reception of function codes results in the positioning of the code bars. The back edges of the code bars are notched. Positioned directly behind the code bars is a function box, which contains the function bars for the various functions (figure 2-57). Each function bar has a series of lugs on its end which are offset to one side or the other to correspond with the marking and spacing elements of the particular code to which it is to respond. When the two-stop function clutch is tripped (paragraph 4.e.(2)(b)2. of this section, and figure 2-45), it rotates one-half of a revolution. During this time it extends motion to the function bar reset bail (through the intervening cam and follower arm, function rocker shaft, and reset bail drive links), to cause the function bar reset

Function Box, Front View Showing Function Bars

Figure 2-57.



CHANGE 2

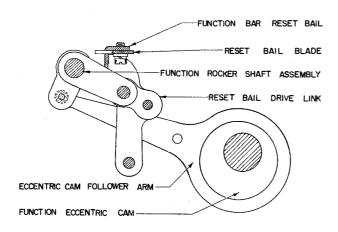


Figure 2-59. Function Reset Bail Mechanism

bail with its attached reset bail blade to release the function bars momentarily (figure 2-59). As the spring tensioned function bars are released, they move forward to make contact with the code bars. If the code bars are positioned for a function, each lug on the function bar for that function will be opposite a slot in a code bar. This will permit the selected function bar to move forward into the code bars while the other function bars are blocked by one or more code bars (figure 2-60). Associated with each function bar in the function box, is a function pawl and a function lever. In the unselected position, the function bar is not latched with its function pawl (figure 2-61). When the function bar reset bail blade releases the functions bars, any bar

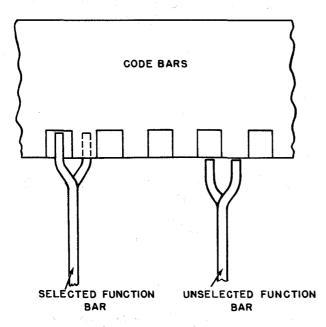


Figure 2-60. Function Selection, Top View

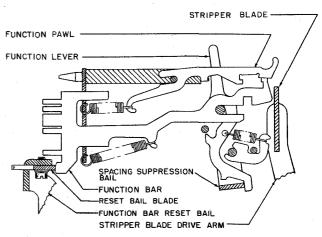


Figure 2-61. Typical Function Box Mechanism,
Unselected

which may be selected will move sufficiently far forward (to the left in the figure) to permit it to engage its function pawl. Then, as the reset bail blade returns the function bar to its initial position, the function bar carries the function pawl to the rear (to the right in figure 2-62). The function pawl in turn, moves the function lever clockwise about its pivot point. A projection at the lower end of most function levers operates the spacing suppression bail (paragraph 4.f.(2) of this section) and either the upper or lower ends of the levers operate the various functions. Near the completion of the function cycle, a stripper blade (operated by the main side levers through the stripper blade arm, figure 2-46), rises to engage any selected function pawl and strip it from its function bar. Springs return the released function pawl and the function lever to their original position (figure 2-16). It should be noted here that, to prevent printing during the function cycle,

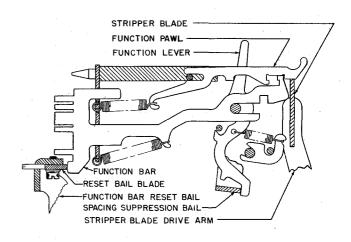


Figure 2-62. Typical Function Box Mechanism, Selected

whenever a function selection occurs the type box is positioned such that the printing hammer will strike where there is no type pallet. The function clutch two-stop cam disk upon which the latch lever rides has an indent at each stop position. When one of the two lugs on the clutch shoe lever disk strikes the function clutch trip lever, the inertia of the cam disk assembly causes it to continue to turn until its lugs make contact with the lugs on the clutch shoe lever disk. At this point, the latch lever drops into an indent in the cam disk and the clutch is held disengaged until the trip lever is again operated.

(2) LETTERS AND FIGURES SHIFT FUNC-TION.—The letters and figures function bars, pawls and levers which are located near the right end of the function box operate on letters and figures codes respectively. The upper ends of the function levers engage the letters and figures function slides (figures 2-63 and 2-64). The front ends of these function slides have camming surfaces which, when a slide is shifted to the rear by its function lever, move the letters-figures code bar fork to the right (letters position—figure 2-63) or to the left (figures position-figure 2-64). The lettersfigures code bar fork engages a pin on the bracket which is fastened to the letters-figures shift code bar, and positions the code bar toward the right for letters function or toward the left for figures function (figure 2-65). A slotted extension of the code bar engages a tongue from the right end of the letters-figures shift slide and causes the shift slide to follow the movements of the code bar. Pins at the end of the shift slide serve as lower guides for the right and left shift link breaker slides. Pins which project from the front plate serve as upper guides and pivot points. Mounted on the ends of the main bail are the left and right breaker slide bails. When letters function code is received, the shift slide is shifted to the right as shown. This places the left shift link breaker slide in a vertical position with its lower end over the left breaker slide bail. The right breaker slide is positioned such that its lower end is to the right of the right breaker slide bail. As the main bail moves upward, the right breaker slide bail clears the right breaker slide while the left breaker slide bail engages the left breaker slide and moves it upward. This action causes the left oscillating rail shift links to break and shift the oscillating rail to the right for the printing of LTRS characters. In a similar manner, when figures function code is received, the right oscillating rail shift links are broken and the rail is shifted to the left for the printing of FIGS characters.

(3) SPACING FUNCTION.

(a) SPACING.—For spacing between words or any spacing other than that which accompanies printing, the operator uses the space bar which is attached to the

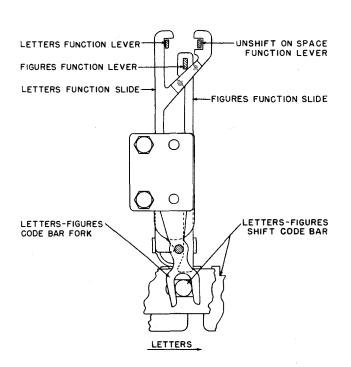


Figure 2-63. Letters-Figures Function Slides, Letters Position

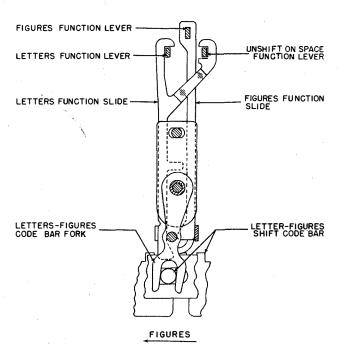


Figure 2-64. Letters-Figures Function Slides, Figures Position

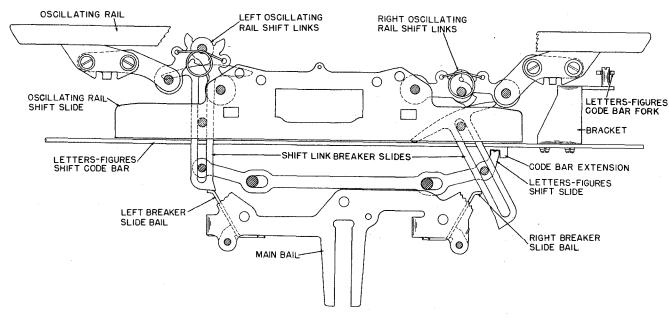


Figure 2-65. Letters-Figures Shift Mechanism, Letters Position

space keylever on the Keyboard. The function operates in the manner described under SPACING, paragraph 4.f.(1) of this section. However, as in all the functions printing does not occur.

(b) UNSHIFT ON SPACE.—A function bar which operates on spacing code is located at the right end of the function box. Its associated function lever engages an extension of the letters function slide (figure 2-66). Thus, when a spacing function occurs, letters shift will take place in the manner described in paragraph 4.i.(2). The projection at the lower end of the spacing function lever is removed in order not to operate the spacing suppression bail which would suppress spacing. When it is undesirable to use the unshift on space feature, the mechanism may be disabled. This is accomplished by turning a screw (located over the front end of the function pawl) downward until the rear end of the pawl is raised to clear the function bar.

Note

The space function bar must be in its rearmost position when turning the screw down.

(4) CARRIAGE RETURN FUNCTION.

(a) The carriage return function mechanism is located in the right end of the Automatic Typer. Reception of the carriage return code causes the carriage return function bar, pawl and lever to operate (figure 2-67). The lower end of the function lever engages the carriage return slide arm and pushes it forward (toward the left in the figure). The slide arm, in turn, moves the carriage return bail and its lever about their pivot point. As the front portion of the lever moves down-

ward, it takes with it the lower section of the spacing drum feed pawl release link. This causes the upper portion of the link to turn and disenagage the spacing drum feed pawls from the spacing drum (figure 2-68). When the carriage return lever reaches the lowest point, the carriage return latch bail locks it there. The disengagement of the spacing drum feed pawls from the spacing drum, permits the spring drum to return the printing and type box carriages toward the left side of the Auto-

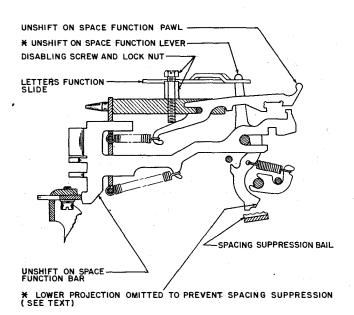


Figure 2-66. Unshift On Space Function Mechanism,
Disabled Position

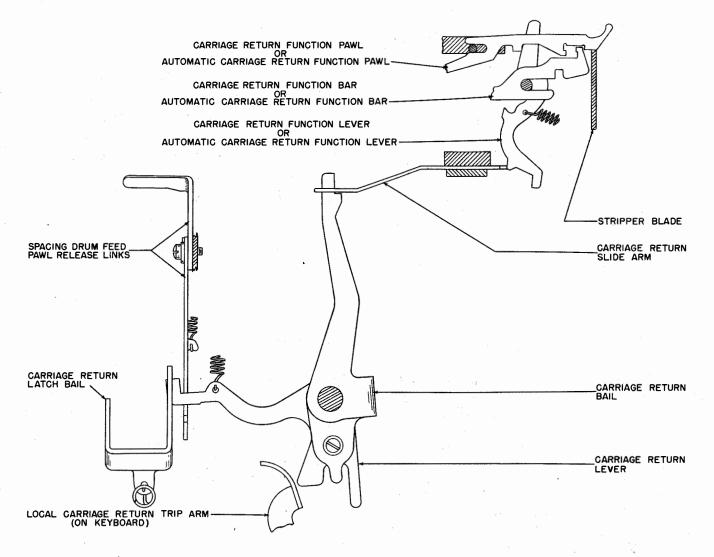


Figure 2-67. Carriage Return Function Mechanism

matic Typer. As the spacing drum nears the end of its counterclockwise rotation, the roller on its stop arm contacts the transfer slide which, in turn, drives the dashpot piston into the dashpot cylinder. A small passageway with an inlet from the inside of the cylinder and three outlets to the outside is incorporated in the end of the cylinder. Two of the openings to the outside are closed by a steel ball which is held in its seat by means of a compression spring. A set screw which may be locked in place with a nut is used to regulate the spring pressure on the ball. The rate of deceleration provided by the cushioning effect of the trapped air is automatically regulated for various lengths of lines by means of the ball valve. This, together with the direct opening to the outside, determines the rate at which the air may escape from the cylinder. When the spacing drum reaches its extreme counterclockwise position, an extension on the stop arm trips the carriage return latch

bail plate which is fastened to the carriage return latch bail. The latch bail disengages the carriage return lever and the feed pawls are again permitted to engage the spacing drum.

(b) Local (offline) operation of the carriage return mechanism may be obtained from the Keyboard. The Keyboard mechanism described in paragraph 3.e. of this section, engages a projection on the carriage return lever, and causes the operations described in the preceding paragraph to take place.

(5) LINE FEED FUNCTION.

(a) The line feed function mechanism is located in the left end of the Automatic Typer. The reception of the line feed code causes the line feed function bar, pawl and lever to operate (figure 2-69). The lower end of the line feed function lever engages the line feed slide arm and pushes it forward (to the left of the figure). The slide arm in turn, moves the line feed clutch

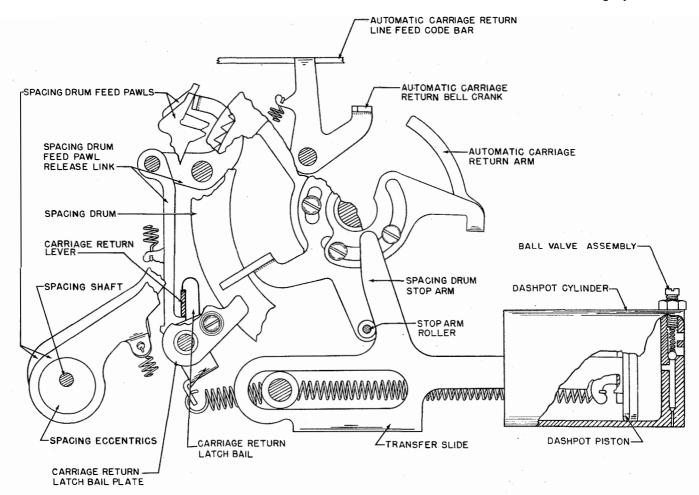


Figure 2-68. Carriage Return Mechanism

trip arm and the trip lever above their pivot point until the trip lever releases the three-stop line feed clutch. The line feed gearing is such that each one-third revolution of the clutch will advance the platen by one line. Therefore, the length of time that the line feed clutch trip lever is held away from the clutch will determine the number of line feeds that occur. The timing relationship between the stripper blade cycle and the main shaft rotation is such that the function pawl is not stripped from a function bar until after more than onethird of a revolution of the clutch has occured. Thus, the line feed clutch trip lever will stop the clutch after two-thirds of a revolution, or double line feed has occurred. When single line feed is desired, it is necessary to strip the function pawl from the line feed function bar before the line feed clutch completes one-third of a revolution. This is accomplished by the use of an auxiliary line feed function pawl stripper which as driven by a stripper bail. The cam disk on the threestop line feed clutch furnishes the motive force to operate the stripper bail once each one-third revolution of the line feed clutch. The stripper blade on which the slotted line feed function pawl stripper rides may be shifted toward the right or left by the camming action of the single or double line feed lever (figure 2-70). The upper end of the pivoted single or double line feed lever protrudes from the upper left rear portion of the Automatic Typer where it rides in the two position side frame detent extension. When the lever is in position 1 (toward the front of the Automatic Typer), the stripper blade is positioned such that the two ears at the upper end of the line feed function pawl stripper are under the line feed and automatic line feed function pawls. When the lever is in position 2 (toward the rear of the Automatic Typer), the stripper blade is positioned such that the ears on the line feed function pawl stripper are between the function pawls. All the other function pawls are stripped with the stripper blade in either position. When single line feed is being used, the line feed function lever is released too soon (by the line feed function pawl stripper) to prevent spacing. Therefore, an additional line feed function bar, pawl, and lever are installed in the extreme left end of the

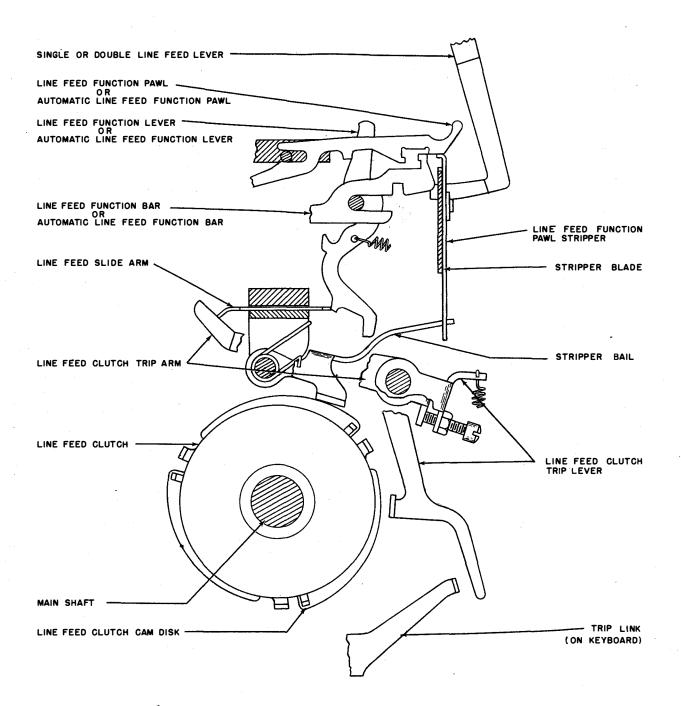


Figure 2-69. Line Feed Function and Clutch Trip Mechanism

function box for the sole purpose of suppressing spacing on single line feed function (figure 2-57). This mechanism, which always operates on the line feed function code, is released only by the stripper blade, and therefore holds the spacing suppression bail operated until the spacing cycle is completed. After the line feed clutch is stopped by its trip lever, it is disengaged by the trip lever and latch lever in the same manner as the three-stop spacing clutch.

(b) Each one-third revolution of the line feed clutch causes its attached spur gear to rotate the line feed eccentric spur gear and its attached eccentrics one-half of a revolution (figure 2-71). The eccentrics which are offset in opposite directions each carry a line feed bar. These bars guided by the line feed bar bell crank alternately engage the line feed spur gear on the platen and advance the platen one line for each one-half turn of the eccentrics. A platen detent bail engages the line

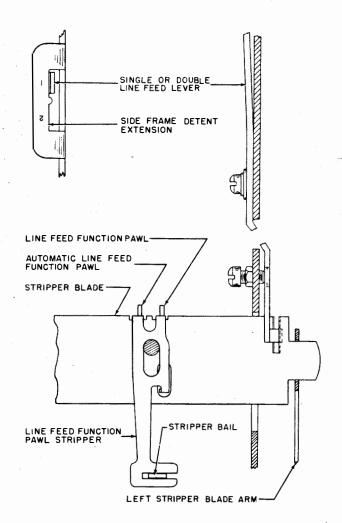


Figure 2-70. Positioning Mechanism For Single or Double Line Feed

feed spur gear to retain the platen at each setting.

- (c) When it is desired to manually position the platen, this may be accomplished by bearing down on and turning the platen handwheel. This causes the platen handwheel spur gear to engage the platen idler spur gear which in turn is engaged with the platen spur gear on the platen shaft. At the same time the line feed bar release lever bears on the line feed bar bell crank and causes it to disengage the line feed bars from the line feed spur gear.
- (d) Local (off-line) operation of the line feed mechanism may be obtained from the Keyboard or Base. A Base or Keyboard mechanism, described in paragraph 3.f. of this section, engages a projection on the line feed clutch trip lever and may hold the clutch engaged to provide continuous line feeding (figure 2-69).
- (6) AUTOMATIC CARRIAGE RETURN—LINE FEED FUNCTION.—If an operator fails to send the

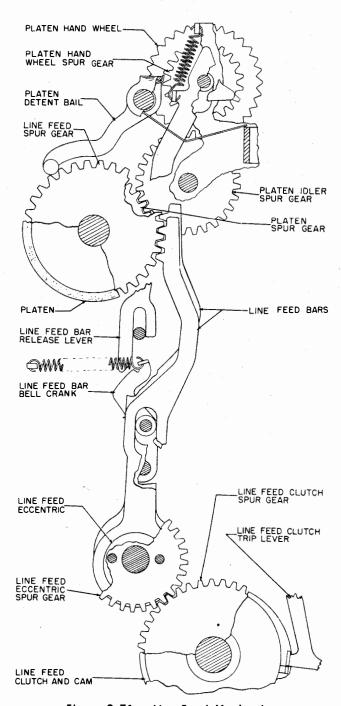


Figure 2-71. Line Feed Mechanism

carriage return and line feed functions before the carriages are within one character of the right end of the line, the automatic carriage return arm on the spacing drum trips the automatic carriage return bell crank (figure 2-68). As the bell crank turns clockwise, it shifts the automatic carriage return-line feed code bar to the right. Located adjacent to the carriage return and line feed function bars in the function box are automatic

carriage return and line feed function bars (figure 2-57). These two function bars are identical and have only one code projection. This projection is located opposite the automatic carriage return-line feed code bar which normally blocks the automatic carriage return and line feed function bars. When the code bar is shifted to the right, these function bars and their associated function pawls and levers are operated. The automatic carriage return and line feed function levers operate the carriage return slide arm and the line feed slide arm respectively and thereby cause the carriage return and line feed functions to occur simultaneously.

- (7) SIGNAL BELL FUNCTION.—For signaling purposes, a bell is located in the CY-870/UG and CY-871/UG cabinets. The circuit to the bell magnet E-759 is controlled by a set of normally open electrical contacts E-1301 and E-1302 mounted on the function box (figures 2-33 and 2-72). The signel bell function bar has six code lugs—five for the signal code and one for the letters-figures shift code bar (figure 2-57). In order to select the signal bell function, the letters-figures shift code bar must first be shifted to figures position. Then, each time the signal code for the letter S is received, the function lever will pulse the upper signal bell contact once (figure 2-73). If the signal code for the letter S is received when the letters-figures shift code bar is in the letters position, the signal bell function bar will be blocked by the shift code bar.
- (8) BLANK FUNCTION (Not applicable to TT-128A/UG, TT-129A/UG, TT-130A/UG and TT-131A/UG.)—Near the left end of the function box, are two identical function bars coded to operate when the signal code for blank function is received (figure 2-57). If, at any time, two consecutive blank signal codes are received, the mechanism operated by these two function bars will lock up the Keyboard. The single-blank function lever has a projection which reaches over to engage the notch in the keyboard lock function bar and prevent the function bar from moving forward even though a blank signal code is received (figure 2-58). Therefore the first blank signal code received will operate only the blank function bar. This function bar moves its function pawl which, in turn, operates the blank function lever and causes it to move out of engagement with the keyboard lock function bar and to be latched in place by the blank function lever latch (figure 2-74). If the next consecutive signal code is not a blank, the keyboard lock function bar will be blocaed by the code bars, and the lower edge of the stripper blade will trip the blank function lever latch. The latch will release the blank function lever and permit it to re-engage the keyboard lock function bar and reset the mechanism. If, however, the next consecutive signal code is a blank, the keyboard lock function bar will move forward before the stripper blade can trip the

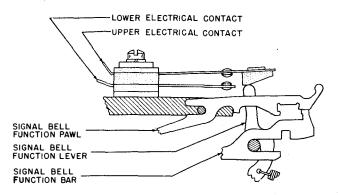


Figure 2-72. Signal Bell Contact Mechanism,
Unselected

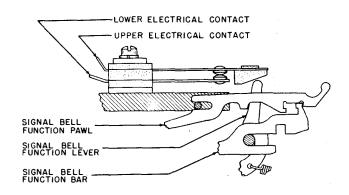


Figure 2-73. Signal Bell Contact Mechanism, Selected

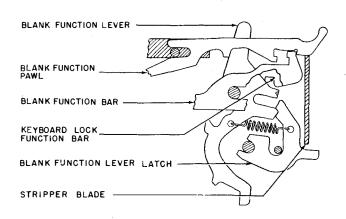


Figure 2-74. Keyboard Lock Priming Mechanism (Not applicable to TT-128A/UG, TT-129A/UG, TT-130A/UG, and TT-131A/UG).

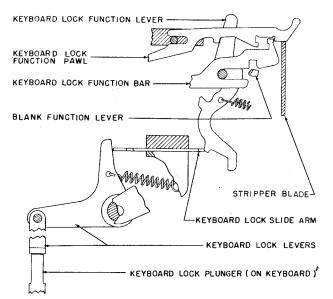


Figure 2-75. Keyboard Lock Mechanism (Not applicable to TT-128A/UG, TT-129A/UG, TT-130A/UG, and TT-131A/UG).

blank function lever latch and release the blank function lever. The keyboard lock function bar operates its function pawl which in turn operates the keyboard lock function lever (figure 2-75). The keyboard lock function lever moves the keyboard lock slide arm forward (toward the left in the figure). This, in turn, actuates the keyboard lock levers and causes them to push downward on a plunger (which projects upward from the keyboard) and lock the Keyboard. The operation of the keyboard lock mechanism in the Keyboard is described in paragraph 3.i. of this section.

5. MOTORS.

a. AC MOTOR (SYNCHRONOUS) PD-17A/U. (See figures 1-9 and 2-76.)—The synchronous motor is for use with single phase, 115 volt (plus or minus 10 per cent) alternating current, at a frequency of 60 cycles per second (plus or minus 0.5 cycle). It is a 1/20 horsepower, 3600 rpm, two pole, wound stator, ball bearing motor, with a squirrel cage type rotor. The stator has two windings, a main operating winding, and an auxiliary winding. The auxiliary winding is in series with a 43 mf a.c. electrolytic capacitor C-501, and with a current operated motor starting relay K-501. The initial starting current causes the relay to pull up and its contacts close the auxiliary winding circuit. As the rotor gains speed, the current flowing through the motor (and also the relay coil), decreases. When a predetermined current value is reached the relay armature is released, the relay contacts are opened, and the auxiliary winding circuit is disconnected from the line. The rotor E-501 continues to accelerate until it reaches synchronous speed (3600 rpm). The motor is wired in such a man-

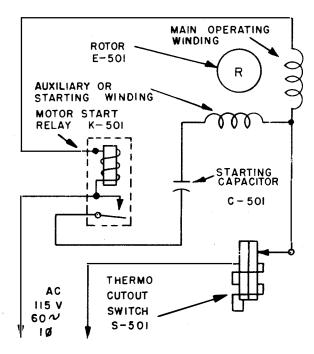


Figure 2-76. AC Motor (Synchronous) PD-17A/U, Schematic Wiring Diagram

ner that the rotor rotates counterclockwise when viewed from the fan end. The starting relay and capacitor together with a thermal cutout switch S-501 are mounted in a compartment on the underside of the motor. The thermal cutout switch is in series with both the main and auxiliary motor windings, and if excessive current is drawn by the motor, (due, for example, to a blocked rotor), the switch will open the circuit. This is to prevent overheating and possible damage to the motor if it is stalled. The switch may be manually reset if tripped, by depressing its red button which projects upward through the motor mounting plate. There are two fans located within the motor housing, one at each end of the rotor. These draw cooling air in through the slots in the end bells and exhaust it through the slots in the motor housing. The end bells have rubber vibration mounts by means of which the motor sets in the ends of its mounting bracket. The rubber mounts are held in the bracket by means of mounting straps. The motor shaft has a tapped hole for use in fastening the intermediate shaft driving helical gear. All end play is taken up by means of a conical shaped spring which bears against the outer race of one of the ball bearings. The motor mounting bracket is fastened to the Keyboard by means of four screws and lock washers.

b. AC MOTOR (GOVERNED) PD-18/U. (See figures 1-10 and 2-77.)—The series governed motor is for use with single phase, 115 volt (plus or minus 10 per cent) alternating current, at a frequency of 50 to 60

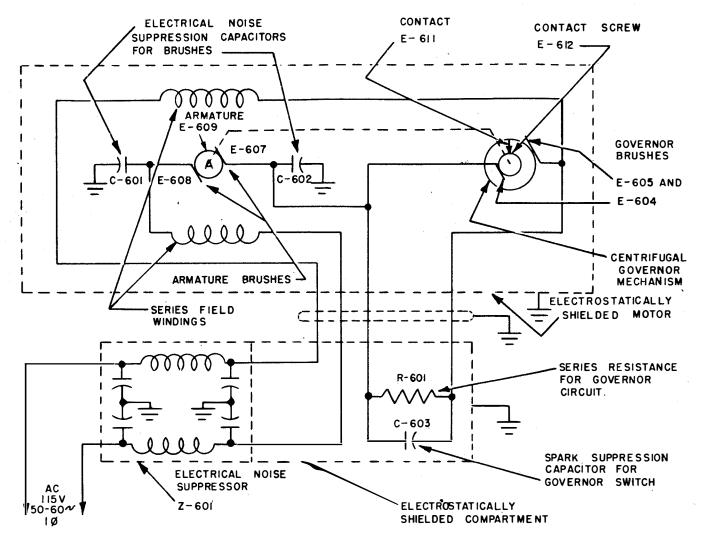


Figure 2-77. AC Motor (Governed) PD-18/U, Schematic Wiring Diagram

cycles per second. It is a ½0 horsepower, 3600 rpm ball bearing motor which depends on an electromechanical governor for its speed regulation. The armature E-609, with a 48 segment commutator is wired in series with the two field windings, and the governor contacts E-611 and E-612. A 250 ohm, 40 watt resistor R-601 and a 0.5 mf capacitor C-603, are connected in parallel with the governor contacts. When the contacts are closed the resistor is shorted out. When the contacts are open the resistor is in series with the motor, to limit its operating current, and thus reduce its speed. The capacitor serves as a spark suppressor for the governor contacts. The combination fan and governor is mounted on one end of the motor shaft. The fan draws cooling air through the motor housing, and also serves as a mounting plate for the governor slip rings and for the governor contact mechanism (mounted on opposite sides of the fan). Connections to the two slip rings, which are wired to the governor contacts, are made by means of two brushes E-604, and E-605, mounted on the ends

of the motor housing. Normally the governor contact spring holds the governor contact E-611 against the contact screw E-612 (figure 2-78). When the motor shaft exceeds a predetermined speed, the centrifugal force developed on the governor contact overcomes briefly the pull of the governor spring, and the governor contact leaves the contact screw until the motor

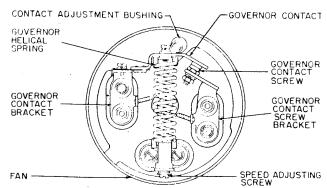


Figure 2-78. Governor For AC Motor PD-18/U

slows down. The tension on the contact spring may be adjusted to maintain the motor speed at 3600 rpm. In order to make this adjustment, means are provided to compare the motor speed with a standard. An aluminum cover fits against the side of the fan and encloses the governor contact mechanism. The outside of the cover

is finished in white, with four black stripes equally spaced about its periphery. This serves as a target which should appear to stand almost still at 3600 rpm, when viewed through the moving shutter of a 120 vibrations per second tuning fork. The two motor brushes E-608 and E-607 are protected by 8000 mmf capacitors C-601

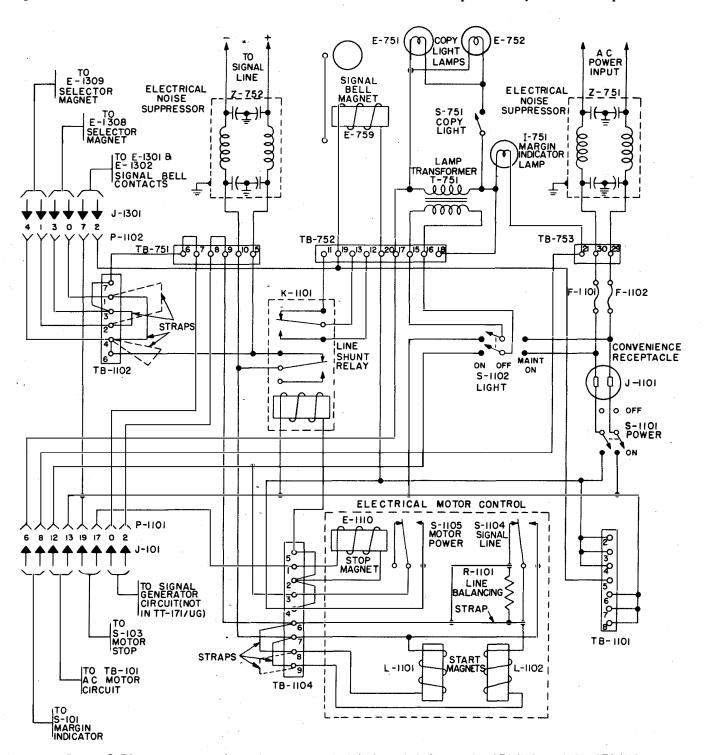


Figure 2-79. Power Distribution Panel SB-154A/UG and Cabinets CY-870/UG and CY-871/UG, Schematic Wiring Diagram

and C-602 which are connected between the brushes and the grounded frame of the motor. These tend to bypass any electrical noise created by the brushes as they make and break contact with the various segments of the armature commutator. The motor is wired in such a manner that the armature rotates counterclockwise when viewed from the governor end. The method of mounting the series motor is similar to the method of mounting the synchronous motor. The housing provided on the underside of the mounting bracket contains both the 250 ohm resistor and 0.5 mf capacitor in the governor circuit as well as an electrical noise suppressor. The purpose of the electrical noise suppressor in the motor power input circuit is to prevent any radio interference which may be generated by the motor from being radiated by the motor power leads. To prevent this disturbance from being radiated directly from any of the motor components or wiring, the entire AC motor PD-18/U is enclosed by grounded metal housings with screened openings. The screening is to permit the circulation of cooling air through the motor and across the governor resistor and also to permit the target to be viewed when checking motor speed. A threaded plug which is provided in the governor shield housing may be removed to permit the insertion of a screwdriver when necessary to adjust the motor speed. Access to the compartment on the underside of the motor may be gained by removing a screw and lock washer and sliding the bottom cover plate aside.

6. CABINETS CY-870/UG AND CY-871/UG, AND POWER DISTRIBUTION PANEL SB-154A/UG.

(See figures 1-12, 1-13 and 2-79.)

a. GENERAL.—The principal purpose for the CY-870/UG deck mounting Cabinet and the CY-871/UG bulkhead shelf mounting Cabinet, is to house the Keyboard, AC Motor, Automatic Typer and Power Distribution Panel Units. In addition, the Cabinet contains certain electrical accessories. Three terminal boards, TB-751, TB-752 and TB-753 are mounted in the upper rear portion of the Cabinet. The signal bell is located on the underside of the Cabinet and its magnet E-759 connects to terminal board TB-752. The copy light lamps E-751 and E-752 with their switch S-751, the margin indicator lamp I-751 (controlled by switch S-101 in the Keyboard) and the lamp transformer T-751, are located in the cabinet dome and connect with terminal boards TB-752 and TB-753. Two electrical noise suppressors Z-751 and Z-752 are mounted on the inside bottom of the cabinet compartment. Suppressor Z-751 is in series with the a-c power input which is then brought to terminal board TB-753. With single loop operation, suppressor Z-752 is in series with the signal line which is then brought to terminal board TB-751. With double loop operation, suppressor Z-752 is in series with the

send line which is then brought to terminal board TB-751. The receiver line is brought directly to terminal board TB-751. The Power Distribution Panel is located behind the Keyboard inside the Cabinet, and is held in place by two studs. The main power switch, located in the lower front corner of the right end of the panel chassis, is engaged by the fork on the power switch extension shaft. This shaft extends through the front of the Cabinet below the right end of the Keyboard and is equipped with a knob so that the Teletypewriter may be turned "on" or "off" from outside its Cabinet. Four legs on the chassis project upward from the corners, for use when the Power Distribution Panel is turned upside down for servicing. The complete Power Distribution Panel is composed of the basic panel plus an electrical motor control accessory.

b. BASIC PANEL.—The basic part of the Power Distribution Panel consists of a chassis upon which is mounted all of the cabling which interconnects the Keyboard and the Automatic Typer, together with the necessary plug connectors, fuses, switches, terminal boards, convenience receptacle, and line shunt relay. The plug connector and cable assemblies which go to the Keyboard and to the Automatic Typer pass through holes in the top mounting plates which are located at the left and right ends respectively of the chassis. The cable with lug terminations which enters the left side of the chassis connects with terminal boards TB-751 and TB-752 in the Cabinet to bring all signal line circuits into the panel chassis. The cable with lug terminations which enters the right side of the chassis connects with terminal boards TB-752 and TB-753 in the Cabinet. This cable brings the AC power into the panel chassis, and completes the circuits to the various electrical accessories in the Cabinet. Upon entering the chassis, the power input is fused by two 10 ampere fuses F-1101 and F-1102 before it reaches the convenience receptacle J-1101, the power switch S-1101, and the three position light switch S-1102. In the center or OFF position of S-1102 which connects with the primary of T-751 and TB-752, the lamp transformer in the Cabinet is completely disconnected from any power circuit. With S-1101 OFF, the copy light lamps in the Cabinet may be turned ON by throwing S-1102 to the MAINT ON position, and S-751 in the Cabinet to the ON position. When S-1101 is ON, the power input is applied to power terminal board TB-1101 and to the magnet coil of the signal line shunt relay K-1101. In the de-energized position of K-1101, its contacts shunt the signal line at TB-751 in the Cabinet. When K-1101 is energized by operation of S-1101, the contacts open to remove the shunt. In the left or ON position of S-1102, power for transformer T-751 in the Cabinet is taken from TB-1101 and is controlled by the motor switch

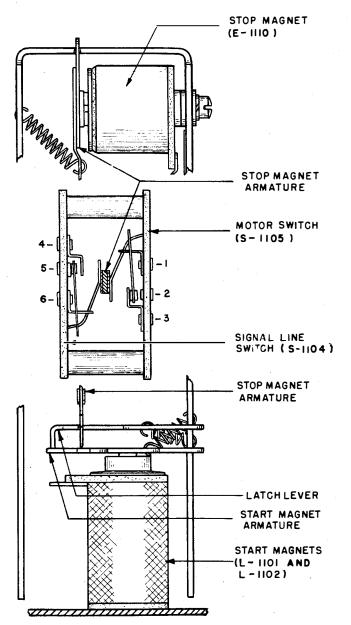


Figure 2-80. Electrical Motor Control Mechanism, Stop Position

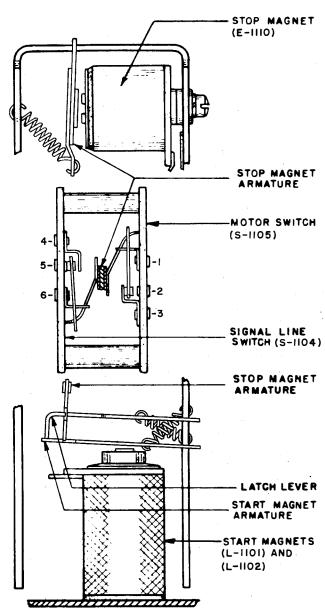


Figure 2-81. Electrical Motor Control Mechanism,
Open Line Position

S-1105 in the electrical motor control mechanism. See paragraph 6.c. of this section. The circuit from the margin indicator switch S-101 in the Keyboard connects with the margin indicator lamp circuit in the Cabinet at terminal boards TB-752 and TB-753. The circuit from the motor stop switch S-103 on the time delay mechanism in the Keyboard picks up power at TB-1101

and connects with the stop magnet E-1110 in the electrical motor control mechanism at terminal board TB-1104. The circuit from the signal bell contacts E-1301 and E-1302 in the Automatic Typer picks up power at TB-1101 and connects with the circuit to the signal bell magnet E-759 at TB-752 in the Cabinet. The AC Motor circuit from TB-101 in the Keyboard picks.

up power at TB-1101, and connects with the motor power switch S-1105 in the electrical motor control mechanism at TB-1104. The signal line circuits from both the Keyboard and the Automatic Typer connect with TB-751, where they may be arranged for either single loop or double loop operation. In addition, wires from the selector magnets E-1308 and E-1309 in the Automatic Typer connect with terminal board TB-1102 in the Power Distribution Panel. Two strap wires on TB-1102 which connect E-1308 and E-1309 "in parallel" for 0.060 ampere signal line current operation may be re-arranged (dashed lines in figure 2-79) to connect E-1308 and E-1309 "in series" for 0.020 ampere operation.

c. ELECTRICAL MOTOR CONTROL MECHA-NISM.—The electrical motor control mechanism is mounted in the center of the Power Distribution Panel. All connections to this mechanism are made through its terminal board TB-1104. The purpose of the mechanism is to start the AC motor when the signal line current is interrupted, and, in conjunction with the time delay mechanism in the Keyboard, to stop the AC Motor if the signal line becomes idle for a period of not longer than approximately two minutes. In the equipment as furnished, the start magnets L-1101 and L-1102 in the electrical motor control mechanism are wired in parallel for 0.060 ampere signal line current operation. For 0.020 ampere operation, the strap wires on TB-1104 may be rearranged (dashed lines in figure 2-79) to connect L-1101 and L-1102 in series. Also, the strap across the line balancing resistor R-1101 must be removed for 0.020 ampere operation. The resistor R-1101 is switched into the line circuit by S-1104 when the start magnet coils are switched out, in order to compensate for the loss of their resistance and to minimize unbalance in the line circuit. There are two types of motor control mechanisms: one starts the motor on BREAK operation, the other starts the motor on MAKE after BREAK operation. The following paragraphs describe the operations of the two electrical motor control mechanisms through a complete cycle.

(1) "MAKE AFTER BREAK" OPERATION.

(a) STOP POSITION. (See figure 2-80.)—In this position the AC Motor is shut down, and the steady signal line current holds the start magnets, L-1101 and L-1102 energized. The start magnet armature is pulled downward and the stop magnet armature is positioned toward the right where it is held by the latch lever. The motor switch S-1105, operated by the stop magnet armature, is open and the signal line switch S-1104 completes the start magnet circuit.

(b) OPEN LINE POSITION., (See figure 2-81.)
— In this position, the signal line has just been opened, the start magnets L-1101 and L-1102 are denergized, and the start magnet armature is released.

When the start magnet armature moved upward, it carried the latch lever with it. The latch lever released the stop magnet armature which started to swing toward the left. However, the stop magnet armature was immediately blocked by the start magnet armature. The slight movement of the stop magnet armature was not sufficient to change the positions of the switches S-1104 and S-1105.

(c) START POSITION. (See figure 2-82.)—In this position, the signal line has just been closed, and the start magnets L-1101 and L-1102 have been energized to pull the start magnet armature downward and release the stop magnet armature. The stop magnet armature has swung to the left and has operated switches S-1104 and S-1105. When S-1104 was operated, it removed the start magnets L-1101 and L-1102 from the signal line circuit so that their armature would not vibrate with the line signals. When S-1105 was operated, it completed the circuit to the AC Motor and to the copy light lamps.

(d) STOP POSITION. (See figure 2-80.)—In order for the electrical motor control mechanism to return to this position and stop the AC Motor, the motor stop switch S-103 in the Keyboard was pulsed by the time delay mechanism as shown in paragraph 3.l. of this section. This pulse energized the stop magnet briefly and caused the stop magnet armature to swing to the right and again operate switches S-1104 and S-1105. As S-1104 was operated, it placed the start magnet coils back in the signal line circuit where they became energized and pulled the start magnet armature downward. This allowed the latch lever to engage the stop magnet armature and hold it in the stop position. As S-1105 was operated, it opened the circuit to the AC Motor and to the copy light lamps.

(2) "BREAK OPERATION.

(a) STOP POSITION.— Same as paragraph (1) (a) above.

(b) START POSITION. (See figure 2-83).—In this position the signal line has been opened, the start magnets L-1101 and L-1102 are de-energized, and the start magnet armature is released. When the start magnet armature moved upward, it carried the latch lever with it. The latch lever in turn released the stop magnet armature. The stop magnet armature swings to the left to close contacts 4 and 6 of S-1104 and contacts 1 and 2 of S-1105. When contacts 4 and 6 are closed the start magnets are shunted from the signal line circuit. If the mechanism is connected for 0.020 ampere operation and contacts 5 and 6 are opened, a 400-ohm resistor is inserted in the line circuit to compensate for the resistance of the start magnets. When contacts 1 and 2 of S-1105 were closed, the power circuit was completed to the AC Motor and the copy light lamps.

(c) STOP POSITION.—Same as paragraph (1) (d) above.

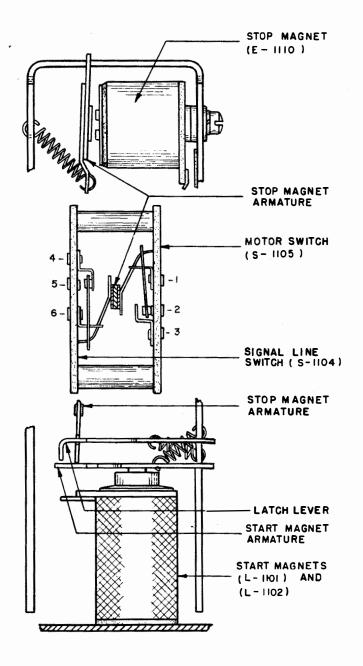


Figure 2-82. Electrical Motor Control Mechanism, Start Position

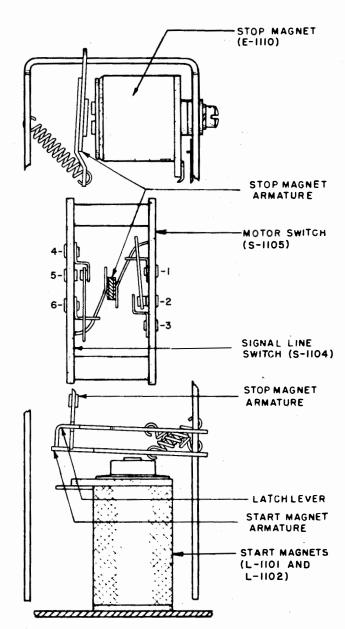


Figure 2-83. Electrical Motor Control Mechanism, Start Position

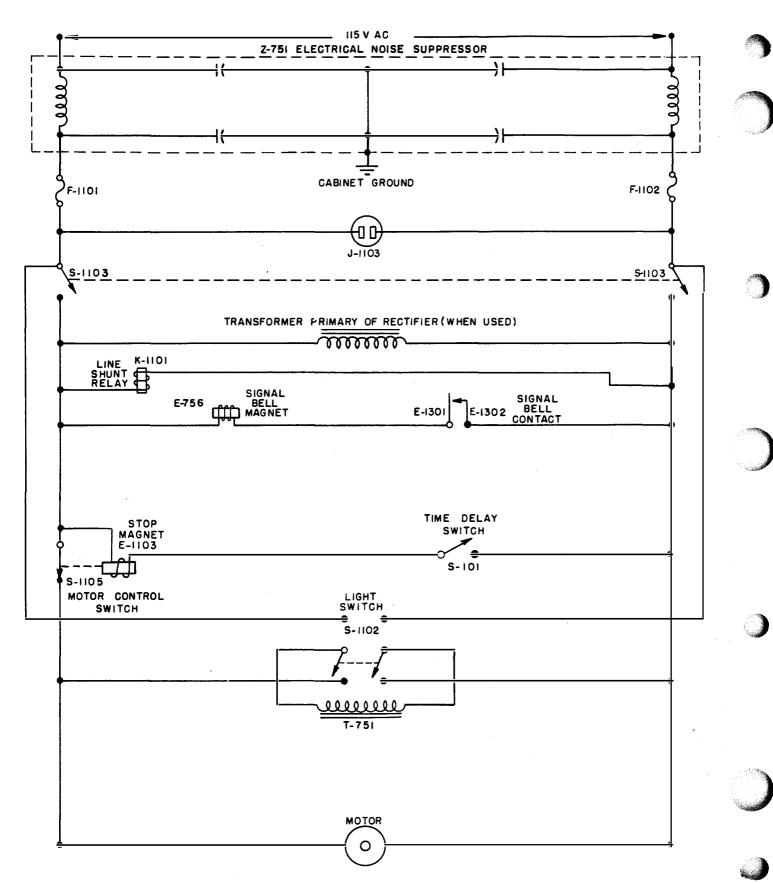


Figure 3-1. Primary Power Distribution Diagram

SECTION 3 INSTALLATION

1. GENERAL.

Teletypewriters T T - 47 A / U G, TT-48A/UG, TT-69A/UG, TT-70A/UG, or TT-171/UG are each packed complete in two wooden boxes (see table 1-2). Box No. 1 encloses five cardboard cartons each of which contains one of the following items: Automatic Typer, Keyboard or Base, Power Distribution Panel, AC Motor, and a consolidated carton containing instruction books, spare parts, sets of gears, and accessories. Box No. 2 contains either a console-type or shelf-type Cabinet enclosed in a cardboard carton. Domestic packing, when used, does not include the outer wooden box, only the six cardboard carton (see table 1-3).

2. UNPACKING THE EQUIPMENT.

Cut the steel strapping along the top edges of the boxes. Pry the lids off the boxes and tear the waterproof barriers. Remove the five cartons from box No. 1 and the single carton from box No. 2. Open the cardboard cartons, tear open the foil barrier, and remove the inner cardboard carton. Open the inner cartons and remove the contents. Domestic packing does not include the foil barrier and only the Automatic Typer is packed in an inner and outer carton.

3. INSTALLING THE CABINETS.

a. Four tapped bushings are provided in the feet of the Cabinet to secure the shelf model. In selecting the bolts to be used, make certain to choose a length that will not extend through the top of the bushing. Thread size and necessary dimensions are shown in figure 3-5.

Note

The signal line and power cables must be installed before securing the shelf-type Cabinet. Make sure external signal line and power voltage are off.

b. Four shock mounts are provided to secure the console-type Cabinet. Hardware for securing the shock mounts to the floor is not furnished with the equipment. Assembly of shock mounts to Cabinet and necessary dimensions are shown in figure 3-5. The shock mounts are packed in a carton which is taped to the rail inside the Cabinet and stamped 151593.

4. POWER AND LINE CONNECTIONS.

(See figures 1-11 and 1-12.)

- a. CABINET CY-870/UG.
- (1) Remove the panel that extends across the front of the lower section by removing its four mounting

- screws. Remove the insulator covers from the three terminal boards located in the upper rear portion of the Cabinet. Insert an a-c power cable through the large opening in the left rear corner of the lower shelf and up through the right BX connector in the center of the upper shelf. Connect the leads to the electrical noise suppressor as shown in figure 3-2. (For any specific installation refer to the applicable installation drawing.)
- (2) Insert the signal line cable through the same opening in the lower shelf but through the left BX connector in the center of the upper shelf. For single loop operation (Keyboard and Automatic Typer in series), connect the positive (+) lead to the upper terminal and the negative (-) lead to the lower terminal of the electrical noise suppressor as shown in figure 3-2. For double loop operation (not applicable to TT-171/UG) as an alternate method (Keyboard and Automatic Typer separated) connect the SEND line as described above. Insert the RECEIVE line through the large opening in the left rear corner of the lower shelf and up through the \(\frac{1}{8} \) inch hole in the upper shelf. Remove the white wire from the upper half of terminal 5 on TB-751 and connect it to terminal 7. Remove the black wire from terminal 10 and connect it to terminal 8. Connect the positive (+) lead of the RECEIVE line to terminal 5 and the negative (-) lead to terminal 10 of TB-751 as shown in figure 3-3.
- (3) To relieve tension on the terminal connections, clamp the cables in place by means of the BX connectors. If additional thickness is required, friction tape may be wound around the cables at the clamping point.
- (4) Replace the panel across the front of the lower section.
- b. CABINET CY-871/UG.—Insert the power and signal line cables into the right and left BX connectors respectively. The connections are the same as described in paragraphs 4.a.(1) and 4.a.(2).
- c. When installing any of the above sets, a ground wire should be brought in and connected to the Cabinet ground screw located just above terminal board TB-753 as shown in figure 3-3. The ground wire should also be connected to the signal line electrical noise suppressor ground terminal as shown in figure 3-2.

CAUTION

A good ground is important for satisfactory operation of the equipment.

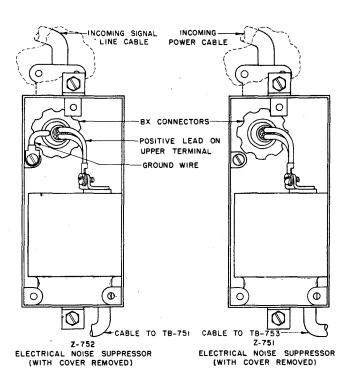


Figure 3-2. Power and Signal Line Connections

5. ASSEMBLY OF EQUIPMENT.

a. POWER DISTRIBUTION PANEL SB-154A/UG.

- (1) With the dome raised, place the Power Distribution Panel in the rear of the Cabinet with the legs extending upward and name plate and serial number plate facing the front of the Cabinet. Secure the Panel to the shelf by means of the two studs furnished in the muslin bag tied to the Panel. Drop the studs through the holes located at each end of the Panel and screw them into the nuts welded to the underside of the shelf.
- (2) For single loop operation, connect the leads of the cables from the Power Distribution Panel to terminal boards TB-751, TB-752 and TB-753 as shown in the applicable portion of figure 3-3. If double loop operation (not applicable to TT-171/UG) is used, make connections to terminal boards TB-752 and TB-753 the same as for single loop operation. Make connections to terminal Board TB-751 in accordance with the DOUBLE LOOP OPERATION diagram of figure 3-3.

Note

Make certain that the black strap is removed from terminal 6 and taped or connected to terminal 7.

(3) The unit is wired for 0.060 ampere operation at the factory. If 0.020 ampere operation is desired, change wiring as shown in NOTE 7 on wiring diagram (figure 7-140).

Note

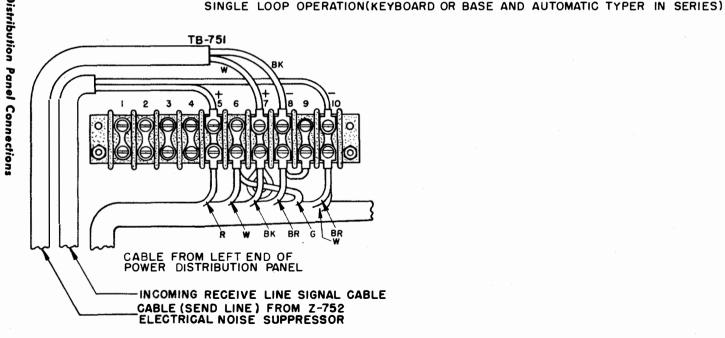
Provisions have been made in the Power Distribution Panel for installing a signal line relay assembly next to the line shunt relay mounting plate, and a small rectifier assembly next to the fuse mounting plate. These assemblies, which are normally used together, are not furnished with the Teletypewriters.

- (4) Remove the rear cross bar of the cradle assembly by removing its two mounting screws, lock washers, and flat washers.
- (5) Untie the power switch extension shaft from the hinge bar and bracket. Remove the knob from the shaft by loosening the two set screws. Insert the shaft, from inside of Cabinet, through the hole located at the right end of the front panel. Push the shaft through far enough to allow the rear end of the shaft to enter the locating hole in the Power Distribution Panel, and at the same time place the slotted extension of the shaft over the toggle switch which is mounted on the right side of the Power Distribution Panel. Replace the knob on the end of the shaft which protrudes through the Cabinet, and keep the narrow portion of the knob to the right. Tighten the set screws. Hook one end of the spring (furnished) around the switch extension shaft and hook the other end into the hole in the right arm of the cradle assembly.

b. AC MOTORS PD-17A/U AND PD-18/U.

- (1) Remove the motor gear and intermediate driven gear from the small cardboard box stamped 151060 (furnished with Teletypewriters), 151075, or 151100. Remove the screw and lock washer in the left end of the motor shaft. Place the motor gear on the motor shaft with the geared end toward the Motor. Secure the gear with the screw and lock washer just removed. Remove the two screws and lock washers from the hub on the right end of the intermediate gear shaft. Mount the intermediate driven gear on the shaft with the flat side of the gear to the right. Secure the gear with the two screws and lock washers just removed.
- (2) Remove the four 1/4-32 hex head screws and lock washers from the cloth bag tied to the Motor, and remove the gear guard from the cloth bag tied to the Keyboard or Base. Place the Motor in position on the Keyboard or Base and secure it with the four screws and lock washers just removed. Secure the gear guard under the left rear motor mounting screw so that the formed ears of the guard are positioned over the rear surface of the Keyboard or Base. Before tightening the mounting screws make certain that the motor gear and intermediate driven gear are properly meshed.
 - (3) Remove the insulator cover from terminal board

EXTERNAL



DOUBLE LOOP OPERATION (KEYBOARD AND AUTOMATIC TYPER SEPARATED) NOT APPLICABLE TO TT-171/UG

TB-101 just to the left of the Motor. Connect the motor leads to terminals 1 and 2 of this terminal board. When installing a governed motor, connect the ground strap to the right rear motor mounting screw. Replace the insulator cover with the No. 1 stamping toward the rear.

- c. AUTOMATIC TYPER MX-1115A/UG. (See figure 7-21.)
- (1) Remove the four ½-32 hex head screws with captive lock washers, from the Keyboard or Base. Place the Automatic Typer on the Keyboard or Base. Make certain that the front feet on the Typer are placed over the locating studs provided on the Keyboard. Rotate the Motor by hand to insure proper meshing of the gears. Secure the Automatic Typer with the four screws just removed.
- (2) INITIAL ADJUSTMENTS.—The following two adjustments, shown in section 7, should be made before placing the component in the Cabinet.
- (a) Keyboard or Base and Motor Gearing (figure 7-27).
- (b) Time Delay Mechanism (figure 7-24). d. KEYBOARD MX-1114A/UG OR BASE NT-1443/UG.
- (1) Remove the cross bar from the front of the Cabinet by loosening the two knurled thumb screws that secure it.
- (2) Remove the two studs from the rear cross bar previously removed from the cradle assembly. With the centerline of the tapped holes to the rear of the centerline of the elongated holes in the rear cross bar, secure the Keyboard or Base, with Motor and Typer, to the rear cross bar by means of the two studs just removed.
- (3) Remove the two studs from the front cross bar hinge. Place the Keyboard or Base on the cradle assembly in the Cabinet. Loosen the two front cross bar mounting screws and position the bar in its elongated mounting holes so that the holes in the Keyboard and the tapped holes in the hinge are in alignment. Secure the Keyboard or Base to the front cross bar hinge by means of the two studs just removed.
- (4) Replace the front cabinet cross bar, stamped "CAUTION: REMOVE BEFORE TILTING UNIT", in its mounting slots with the wider side of the bar downward. Be careful not to jam the bar against the keyboard contact box. Tighten the two knurled thumbs screws.
- (5) To seal the rubber sealing plate around the Keyboard or Base against the Cabinet, push the Keyboard or Base toward the rear of the Cabinet as far as possible. Hold it in this position and tighten the two front cross bar mounting screws.

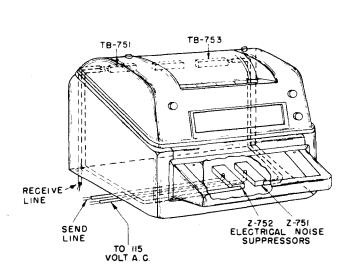
- (6) Secure the rear cross bar to the cradle assembly by means of the two screws, lock washers, and flat washers previously removed.
- (7) Insert the plug on the cable from the right end of the Power Distribution Panel into the receptacle on the right side of the Automatic Typer until it is latched in position.
- (8) Insert the plug on the cable from the left end of the Power Distribution Panel into the receptacle on the left rear corner of the Keyboard or Base until it is latched in position.

6. MECHANICAL CHECKING OF EQUIPMENT.

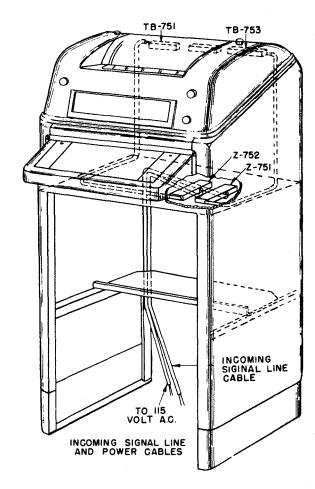
- a. A visual check of all fuses, plugs, screw terminal connections, and lamps for loosening or breakage should be made before putting the equipment into operation.
- b. Make certain that the power knob is downward in its OFF position before closing the main power line to the equipment.
- c. The light switch (ON, OFF, MAINT ON) should be in the ON position.
- d. The copy light switch should be in the ON position.
- e. Refer to section 4, paragraph 5, for instructions on installing paper and ribbon.

7. OPERATING TESTS.

- a. Type several lines of a test sentence such as "The quick brown fox . . . etc." and check for accuracy.
- b. The local line feed key (LOC LF—KEYBOARD) (LINE FEED—Base), when depressed, shall cause paper to feed out of the machine at approximately three times the speed obtained when the line feed key is repeatedly operated.
- c. The keyboard lock key (KBD LOCK), when depressed, shall prevent operation of any other key except the local line feed, keyboard unlock, break, and local carriage return keys. It shall remain depressed until released by the keyboard unlock key.
- d. The keyboard unlock key (KBD UNLK), when depressed, shall unlock the keyboard. The BREAK key, when depressed, shall hold the transmitting line open. If the duration of the open-line interval is greater than two character cycles the keyboard lock shall be caused to operate.
- e. The repeat key (REPT), when depressed together with any other key except the local keys, shall cause repeat transmissions of the signal.
- f. The local carriage return key (LOC CR—Keyboard) (CAR RET—Base), when depressed shall cause the carriage to be returned.



TELETYPEWRITERS TT- 69A/UG AND TT-70A/UG WIRED FOR DOUBLE LOOP OPERATION



TELETYPEWRITERS TT-47A/UG,TT-48A/UG,ANDTT-171/UG WIRED FOR SINGLE LOOP OPERATION

Figure 3-4. System Pictorial Diagram

- g. The bell shall ring clearly on single or repeated operations of the BELL key.
- b. Determine that operation of the FIGS key conditions the machine for the typing of upper case characters and that operation of the LTRS keys conditions it for the typing of lower case characters.
- i. Determine that operation of the SPACE BAR conditions the machine for the typing of lower case characters where this feature is desirable. If not desirable, disable by adjusting the junction pawl disabling screw (section 7, figure 7-86).
- j. Determine that the Motor shuts off after an idle period of from one-half to two minutes where this feature is desirable, and restarts when the break key is depressed or when the selector starts to receive signals. If this feature is not desirable, disable the delay mechanism on the Keyboard or Base as indicated in section 7, figure 7-25.

k. If irregularities in operation are observed, notify authorized maintenance personnel. (In any case of failure of a part, complete failure report form NAVSHIPS 383 and forward to BuShips.)

8. MARGIN INDICATING LAMP.

The margin indicating lamp should iluminate between the 66th and 68th space from the beginning of a line. Adjust is necessary by positioning the margin indicator cam disk on the spring drum with its three screws loosened (section 7 - figure 7-88).

9. FINAL CHECKS.

The equipment has been thoroughly tested and adjusted at the factory and should not require further adjusting. However it is recommended that the setting of the range scale and the motor speed (governed type) be checked. Refer to section 4, paragraph 8 for the procedure to be followed in checking the motor speed

and to section 4, paragraph 9 for the procedure in checking the orientation range.

Note

Under certain conditions, filter Z-101 may contribute to signal distortion in the signal line circuit. At the time of installation, the signals

should be checked for excessive distortion. When present, it should be compensated for in order to retain the desired quality of the signals. This may be accomplished by the addition of wave shaping elements in the signal line circuit.

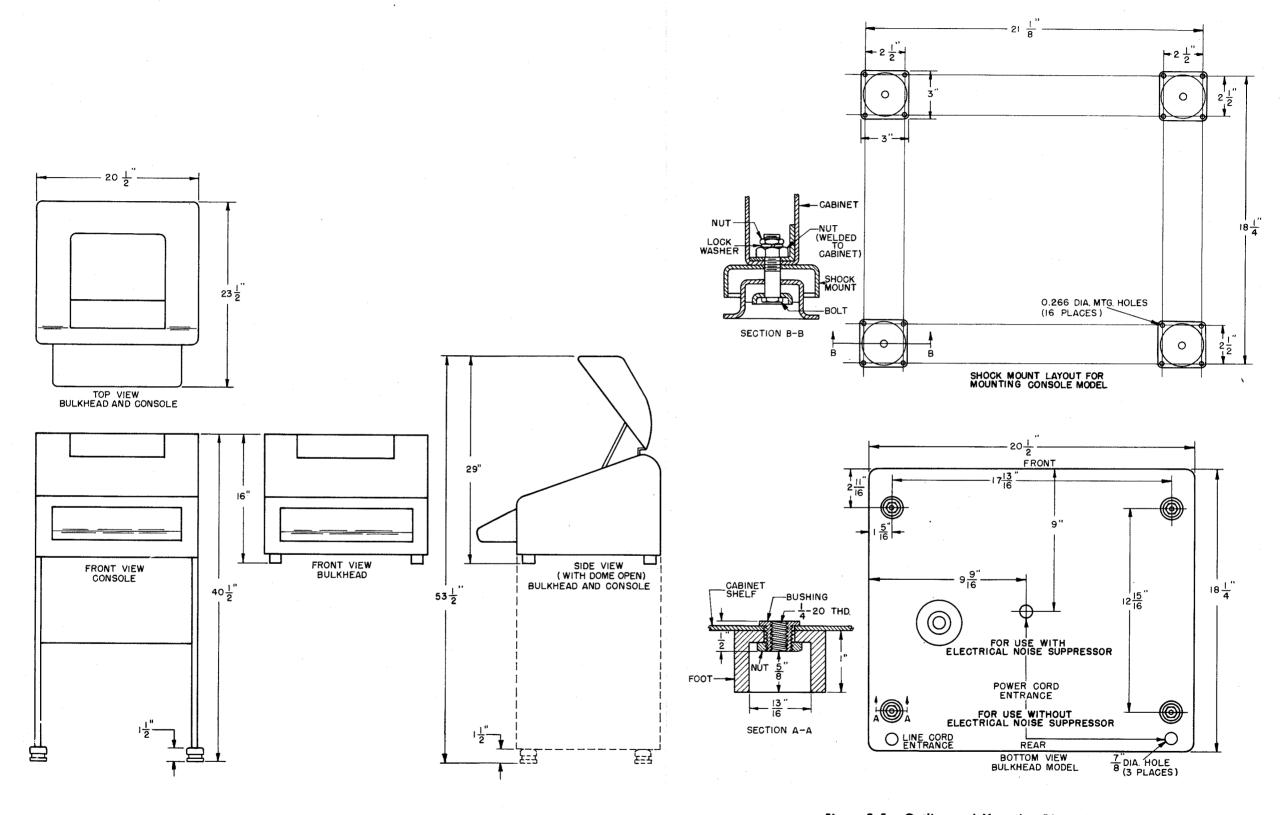


Figure 3-5. Outline and Mounting Dimensions

SECTION 4 OPERATION

1. INTRODUCTION.

a. Teletypewriters TT-47A/UG, TT-48A/UG, TT-69A/UG, or TT-70A/UG provide means for exchanging typewritten page message between two or more ships or stations which are similarly equipped and connected by a telegraph or radio channel. The Keyboard of the Teletypewriter is essentially similar to the keyboard of a conventional typewriter. However, the following differences should be noted: The Keyboard of the Teletypewriter has only three rows of conventional keys. The platen is held stationary while the type box carriage, and printing carriage, advance from left to right during the typing process. Nontyping functions such as the return of the carriage for starting a new line, the shifting operations, and line feeding are performed automatically as a result of signals that originate either at a distant station or at the local Keyboard. The Teletypewriter is arranged for operation on five-unit startstop permutation code and prints the alphabet in capitals only. It is designed to operate at speeds of 368, 460 or 600 operations per minute (opm). Conversion from one speed to another necessitates a change in the driving gears. The Keyboard must be operated with a uniform rhythm in order to prevent omission errors in the copy due to speed in excess of that for which the machine is adjusted. The action performed by the function keys (figure 4-1) is detailed in paragraphs 2 and 3 below.

b. Teletypewriter TT-171/UG is similar to TT-47A/UG described above except that parts required for transmitting messages have not been provided. Type-

written page message can only be received on the TT-171/UG. In contrast to the number of functions that can be performed by a sending and receiving Teletype-writer only two off-line functions can be performed by Teletypewriter TT-171/UG. These non-typing functions (Carriage Return and Line Feed) are provided so that they can be performed locally when required.

c. Teletypewriters TT-128A/UG, TT-129A/UG, TT-130A/UG, and TT-131A/UG are identical to TT-47A/UG, TT-48A/UG, TT-69A/UG, and TT-70A/UG except that they are provided with keytops and type pallets which include aerological weather symbols in place of standard communications symbols.

2. ON-LINE FUNCTIONS.

- a. SPACE BAR.—This bar, located at the front of the Keyboard, is used to send spaces (as between words).
- b. CARRIAGE RETURN.—The carriage return key is used to return both the type box carriage and the printing carriage to the left to start a new line of typing.
- c. LINE FEED.—This key, when depressed, causes the paper to feed upward one or two spaces depending upon the position of a single-double line feed lever located on the Automatic Typer (figure 4-2).
- d. FIGURES.—The figures key is used to condition the machine for printing of figures, punctuation marks or other upper-case symbols.
- e. LETTERS.—The letters key is used to condition the machine for printing of letters characters.

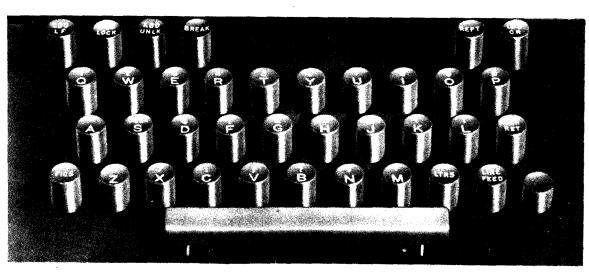


Figure 4-1. Keyboard Keys

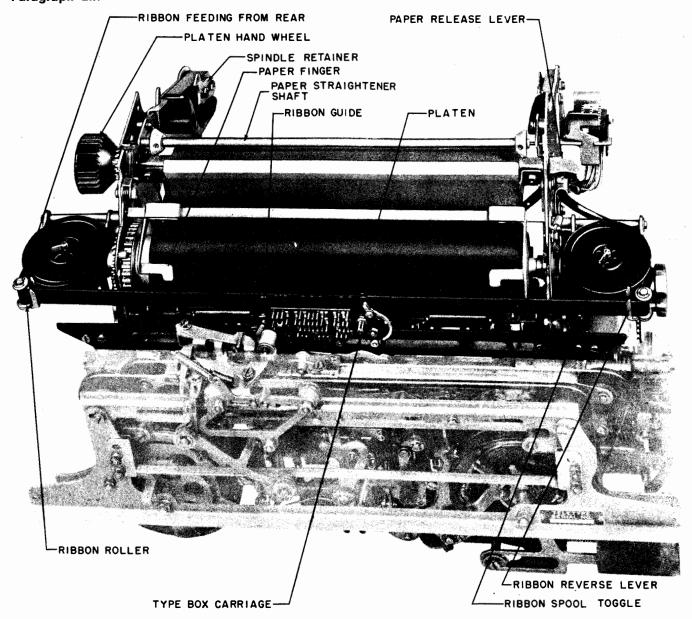


Figure 4-2. Automatic Typer MX-1115A/UG, Top View

f. BELL.—Operation of this key (which is upper-case action of the S key) subsequent to pressing the FIGS key, will cause a signal bell to ring locally and at the distant stations.

g. BLANK.(Not applicable to TT-128A/UG, TT-129A/UG, TT-130A/UG, and TT-131A/UG.)—Depressing this key twice, (effective in either upper or lower case) will lock all Keyboards in the circuit and render them inoperative by setting up the RECEIVE condition. Restoration to the SEND condition is accomplished, under individual circumstances, through the operation of a KEYBOARD UNLOCK (KBD UNLK) key by the operator who desires to send from his Keyboard.

b. BREAK.—This key is used to interrupt transmission from a distant station or to lock all Keyboards prior to initiating transmission.

i. REPEAT (REPT).—This key is used in conjunction with other keys or the space bar to accomplish repeat transmission while the two keys are held depressed.

3. OFF-LINE FUNCTIONS.

When it is desirable to apply certain functions to the local equipment only, the operator may utilize special keys, which are identified as follows:

a. LOCAL LINE FEED (LOC LF—Keyboard) (LINE FEED—BASE).—This key is used to feed the paper upward on the local machine only.

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key is used to condition the local Keyboard prior to starting transmission.

4. CHARACTERS PER LINE.

a. The margin indicator lamp located to the right of the copyholder is illuminated six characters before the end of the line. Care should be exercised not to overtype the last character. In case overtyping should occur, the Automatic Typer is arranged to carriage return and line feed automatically when it reaches an adjustable setting somewhere between the 66th and 73rd character.

b. The margin lamp illuminates on the 66th printed character (spaces included) for lines of 72 character length (standard communications practice).

CAUTION

The left and right margins of Teletypewriters are adjusted as directed in Section 7. The operator is not authorized to make these adjustments.

5. PAPER AND RIBBON.

(See figures 4-2, 4-4 and 4-5.)

a. To replenish the supply of paper, open the dome of the Cabinet, move the paper release lever (figure 4-2) on the Automatic Typer toward the rear, slide one of the spindle retainers toward the rear and remove the paper spindle. Insert the spindle in a fresh roll of paper and remount it so that the paper unwinds from underneath. Feed the paper over the paper straightener shaft and fold the end of the paper backward to square it off. With the paper release lever toward the rear, start the paper feeding around the platen and then restore the release lever to its forward position. Depress the platen handwheel and continue to feed the paper upward. Do not disturb the ribbon. Make certain that the paper passes under the paper fingers which may be raised temporarily to facilitate the operation. It may be necessary to operate the release lever momentarily when finally straightening the paper.

b. To replace the ribbon, open the hinged door in the dome, raise the ribbon spool toggles (figure 4-2) to the vertical position and remove both spools. Engage the hook that is on the end of the new ribbon in the hub of the empty spool. Wind a few turns of the ribbon onto the empty spool to make sure that the reversing eyelet has been wound upon the spool. Place the spools on the ribbon spool shafts in such a manner that the ribbon feeds from the rear of each spool without twisting. Turn each spool shaft slightly until the driving pins on the spool shafts engage the holes in the spools. Thread the ribbon forward around both ribbon rollers, through the slots in the ribbon reverse levers, and through the ribbon guide on the type box carriage. Make certain that the ribbon remains in the guide slots

and that both reversing eyelets are between the ribbon spools and the reverse levers. Eliminate any slack in the ribbon.

6. MULTIPLE COPIES.

The printing blow should not be heavier than that required to produce satisfactory copies. The printing spring adjusting bracket (figure 1-4) may be readily moved to any one of three notches. Use notch "1" for printing one to three copies with paper of usual weight, notch "2" for four or five copies, and notch "3" for six or more copies.

7. STARTING PROCEDURE.

Controls which are frequently used are external to the Cabinet while those infrequently used are located on the Power Distribution Panel (figure 4-3) within the Cabinet, and on the inside of the cabinet dome (figure 1-12). Make sure that the cables from the Power Distribution Panel are plugged into their respective receptacles on the Automatic Typer and Keyboard.

a. The LIGHT SWITCH (three position), when in the ON position, causes the copy light to be operated by the electrical motor control mechanism and/or the power switch (provided that the copy light switch in the cabinet dome is ON). In the MAINT ON position, the light is on for maintenance purposes irrespective of the power switch position. With the switch in the OFF position (center), the light remains extinguished.

b. The POWER SWITCH (figure 4-3), when thrown to the upper position, applies power to the Teletypewriter and likewise to a Rectifier when used.

Note

Where delay mechanism on the Keyboard base is used to stop the Motor on extended idling periods, the operator must press the BREAK key prior to transmission in order to restart the Motors.

8. SPEED SETTING.

Motor speed requires attention from the operator only when a governed Motor is used, in which case, a speed indicator (120 vps tuning fork) is used for checking the motor speed. The rotating spots on the governor target appear stationary when viewed through the shutters of the vibrating fork if the Motor is on speed. If the Motor is not on speed it may be adjusted as follows: Stop the Motor and remove the plug from the governor cover. Rotate the motor shaft until the opening in the target lines up with the opening in the governor cover. Turn the adjusting screw clockwise to increase the speed or counterclockwise to decrease the speed. The Motor may be considered on speed if not more than 12 spots pass a given point in ten seconds.

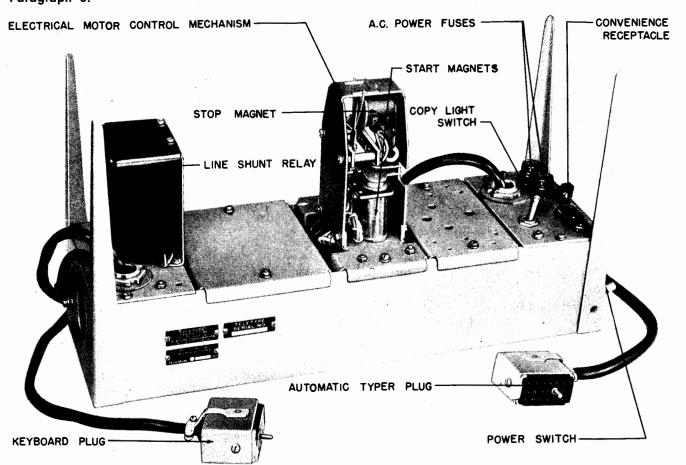


Figure 4-3. Power Distribution Panel SB-154A/UG

As an aid in bringing the Motor approximately on speed, hold the repeat key and a character key simultaneously operated. At 60-word speed, 60 characters should be typed in ten seconds; 100 characters for 100-word speed.

9. ORIENTATION RANGE.

- a. In order to utilize the receiving margin of the selecting mechanism to the best advantage, the starting position of the selector cam-clutch must be located at the most favorable angle. This is accomplished by positioning the clutch stop arm (figure 7-36) by means of the range finder knob.
- b. When available, a signal distortion test set should be used for orienting the range scale. Its final setting should be at the optimum position for bias in accordance with procedures outlined in the Teletype distortion distributor bulletin applying to the test set. See section 7, paragraph 4.i.
- c. When a signal distortion test set is not available, the orientation range can be best determined while receiving the characters RY from the distant station. Rotate the range finder knob in one direction until errors appear in the typed copy and then retract it slowly until

the errors disappear. After noting this position, rotate the range finder knob in the opposite direction and determine the other limit in a similar manner. The final setting should be midway between the determined limits.

d. When it is not feasible to determine the range scale setting by either the use of distortion test set or signals received from a distant station, it will be necessary to utilize transmission from the local Keyboard. In so doing, strike the R and Y keys alternately and determine the overall orientation range. Nominal range is 72 points. The final setting should be midway between the determined limits. Where no distortion test set is available this overall orientation range is the only means for determining the efficiency of the selector with regard to its adjustments.

10. SUMMARY OF OPERATION.

- a. Throw the POWER switch on the front of the Cabinet to the ON position (upward). Allow several seconds to elapse in order for the Motors to attain running speeds and for the Rectifier, if used, to deliver current.
- b. Hold the BREAK key depressed for at least two seconds to insure starting of the Motors (when con-

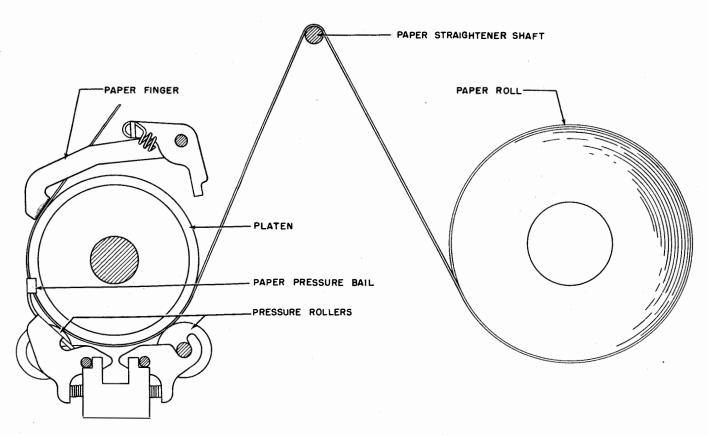


Figure 4-4. Path of Paper

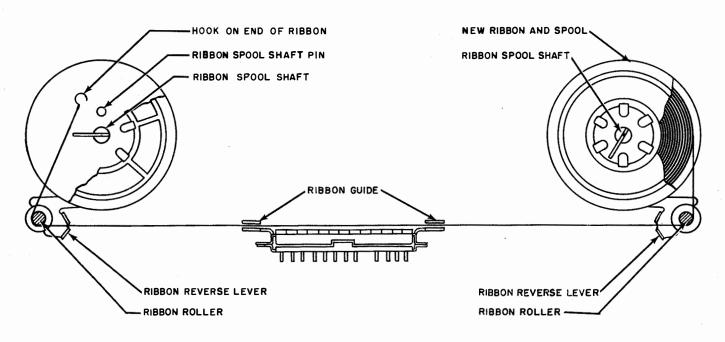


Figure 4-5. Path of Ribbbon

Paragraph 10.b.

trolled by a delay feature) and to lock the Keyboards on the circuit prior to starting transmission.

- c. Press the KEYBOARD UNLOCK key to unlock the local Keyboard.
- d. Press the CARRIAGE RETURN key to bring the carriages on all machines to the beginning of the line.
- e. If the Motor is subject to stops by the delay feature, press the BREAK key prior to transmission in each instance where the circuit has been idle for one minute regardless of whether the Motor on the local machine has stopped or not.
- f. To shut down the equipment throw the POWER switch to the OFF position (downward).

11. OVERLOAD CUTOUT.

The Synchronous Motor PD-17A/U is equipped with a thermal cutout element to protect the Motor against any excessively high temperature which might develop in case of a prolonged overload that would be insufficient to stall the Motor and blow the protecting fuses. Once operated, this cutout device must be reset manually by pressing a reset button (figure 1-9) (to the rear of the Motor on the motor plate) before it can be restarted.

CAUTION

If the Motor stops and does not restart in response to regularly operated controls, check fuses F-1101 and F-1102 in the Power Distribution Panel. If the fuses have not blown. check the Motor for excessive temperature. Where excessive temperature is indicated, rotate the Motor by hand to determine whether any abnormal mechanical condition is present. If the load appears normal, leave the cabinet dome raised and permit the temperature to drop before resetting the cutout feature. If the Motor continues to cutout or if any abnormal load conditions cannot be readily corrected turn the equipment over to authorized maintenance personnel.

SECTION 5 OPERATOR'S MAINTENANCE

1. ROUTINE CHECKS.

During normal operation, the printed copy of the message should be observed from time to time for indications of failure in the communication system. Additional checks should be made as indicated in table 5-1.

2. EMERGENCY MAINTENANCE.

NOTICE TO OPERATORS

Operators shall not perform any of the following emergency procedures without proper authorization.

a. FUSE LOCATIONS AND SYMPTOMS OF FAILURE.—Two cartridge-type fuses are located in the Power Distribution Panel and are accessible when the cabinet dome is raised. The fuse designations, cur-

rent ratings, and symptoms of failure are listed in table 5-2. Fuse locations appear in table 5-3.

WARNING

Never replace a fuse with one of higher rating unless continued operation of the equipment is more important than probable damage. If a fuse burns out immediately after replacement, do not replace it a second time until the cause has been corrected.

b. REPLACEMENT OF LAMPS.—The end-of-line indicator lamp and the two lamps in the copy light assembly, all of which are mounted in the front of the cabinet dome, have the conventional miniature bayonet type base. All are accessible when the dome is raised.

TABLE 5-1. ROUTINE CHECK CHART

WHAT TO CHECK	HOW TO CHECK	REMARKS
	Each Watch	
1. General operation	Apply operating tests as detailed in section 3, paragraph 7.	If irregularities occur notify authorized maintenance personnel.
	Daily Routines	
2. Paper supply	Replace roll if only a few turns remain on the spindle.	Be sure that paper is straight under pape fingers, and that release lever is forward
3. Condition of ribbon	Change if copy is too light.	Be sure that ribbon is in guides on typ box and ribbon reversing levers.
4. Condition of type	If smudging is evident, remove the type box and clean the type by means of a stiff brush.	Be sure that type box is securely attached and that ribbon is not disturbed.
5. Condition of cover glass	Clean if required by means of soft cloth.	Make sure that paper or ribbon is no disturbed.
	Quarterly Routines	
6. Orientation range	Note should be made of the pointer setting on the range scale so that if it is disturbed for any reason it can be repositioned conveniently. If a further check is necessary see section 4, paragraph 9.	Abnormal signal line conditions may re quire changes in the setting as an expediency. When normal line conditions arrestored, normal setting should be re established.
7. Motor speed	Check with speed indicator (120 vps tuning fork). Motor may be considered onspeed if not more than 12 target spots pass a given point in ten seconds.	Applies to governed motors only. To adjust, turn the governor adjusting screw (fig. 1-10) in the direction indicated by the stamping on the governor cover.

TABLE 5-2. SYMPTOMS OF FUSE FAILURE

MOTOR	MAINTENANCE LIGHT	CONVENIENCE RECEPTACLE	BLOWN FUSE	VALUE (AMPS.)	COMMENTS
OFF	OUT	Dead	F-1101	10	In Power Distribution Panel
OFF	OUT	Dead	F-1102	10	In Power Distribution Panel

TABLE 5-3. FUSE LOCATIONS

SYMBOL	LOCATION	PROTECTS	AMPS.	VOLTS	NUMBER
F-1101	Power Distribution Panel	AC Supply	10	250	ABC-10
F-1102	Power Distribution Panel	AC Supply	10	250	ABC-10

SECTION 6 PREVENTIVE MAINTENANCE

1. GENERAL.

- a. Preventive maintenance is applied for the purpose of detecting and correcting troubles before they develop to the point of interference with the satisfactory operation of the equipment. Use care to prevent the introduction of trouble when work on the equipment is necessary. Do not disturb the adjustments unnecessarily.
- b. A thorough visual examination of the equipment during periodic checks may uncover conditions that could possibly cause trouble later. The appearance of oxidized (red) metal dust adjacent to any bearing surface may indicate insufficient lubrication. The adjustable clearances of working parts should also be observed. A visual examination should be accompanied by a manual one. Connections at terminal board should be tested for tightness. Nuts and screws that lock adjustable features should be carefully observed for looseness and tightened if necessary. While cleaning the units, care should be exercised to avoid damage or distortion to delicate springs that might weaken their tension.

Note

The attention of maintenance personnel is invited to the requirements of Chapter 67 of

the Bureau of Ships Manual, of the latest issue.

2. ROUTINE MAINTENANCE CHECK CHARTS.

Routine maintenance checks of the Teletypewriters shall be performed as directed in table 6-1.

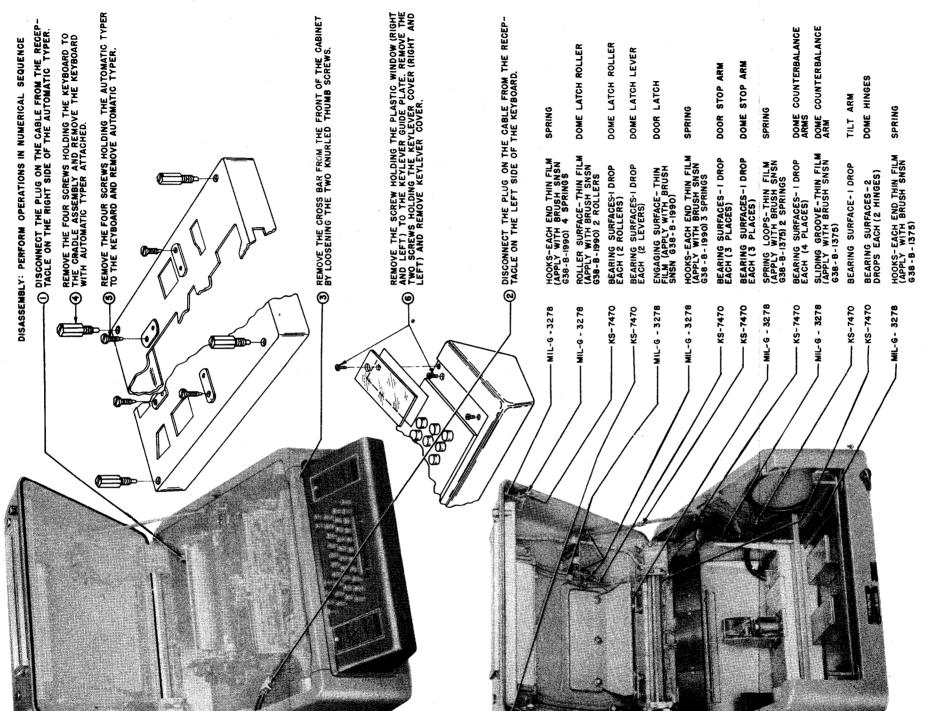
3. LUBRICATION.

Lubricate the Teletypewriter as directed in figures 6-1 through 6-17, inclusive. These figures indicate the lubrication interval, the points to be lubricated, and the type and quantity of lubricant to be used. At 60-word speed, lubricate the Teletypewriter every four months. At 75-word speed, lubricate every three months. At 100-word speed, lubricate every two months. For normal or high temperatures—5° to 55° C. (41° to 131° F.) use Teletype KS-7470 oil at all locations where the use of oil is indicated. For lower temperatures dilute the KS-7470 oil with kerosene (half and half). Use type MIL-G-3278 grease on all surfaces where grease is indicated except the motor bearings. Apply two drops of KS-7470 oil to motor bearings every four months (depress oiler with metal object). If the motor is disassembled at any time, repack the bearings with MIL-G-3278 grease.

TABLE 6-1. ROUTINE MAINTENANCE CHECK CHART

WHAT TO CHECK	HOW TO CHECK	PRECAUTIONS
Accumulation of dust and dirt.	Quarterly Routines Check for dust from paper beneath its path through typer and for dust and dirt on other parts of the equipment. Clean by wiping with a soft lint-free cloth. Cleaning with an air hose should be avoided.	Be sure that springs are not disengaged or other parts dis- turbed in cleaning. Avoid get- ting dust or dirt into bearings or other moving parts.
2. Selector response.	If the selector responds to distorted signals in the manner specified in section 7, paragraph 4.i. no maintenance is required. See section 4, paragraph 9. If the requirements are not met the following routine should be observed: a. Clean the magnet pole faces by running a clean piece of paper between them and the armature. b. Examine selector parts for wear and replace if worn. c. Check adjustment of selector mechanism. See figures 7-31, 7-32, 7-33. d. Check selector mechanism springs and replace if necessary.	· · · · · · · · · · · · · · · · · · ·
3. Adjustments.	Most adjustments will remain within specification limits for the life of the equipment and, therefore, do not require checking unless trouble occurs. The following adjustments should be checked and remade if necessary. a. Dashpot, figure 7-67. b. Carriage wire rope, figure 7-63. c. Signal generator contact, figure 7-10. d. All clutches, figures 7-48, 7-49.	Exercise extreme precaution to guard against overtightening screws which might result in stripping.
4. Motor brushes.	Remove and replace if length is less than 3/8 inch. Wipe and blow off the accumulation of earbon dust.	Relationship of brush to armature should be maintained (governed motors only).
5. Governor brushes.	Examine length and replace if less than 3/8 inch remains. Wipe and blow off accumulation of carbon dust.	Be sure brush springs are in place (governed motors only).
6. Governor contacts.	Replace if badly burned.	Be sure that contacts are prop- erly aligned.
7. Governor speed.	See section 4, paragraph 8.	Applies to governed motor only. Motor may be considered on-speed if not more than 12 target spots pass a given point in ten seconds.
8. Lubrication.	For disassembly prior to lubrication, see instructions in figure 6-1. Remove the typer from the keyboard. Examine all of its mechanism for signs of lubrication failure usually evidenced by the presence of red powdery substance at point of failure. If failure is observed, parts should be examined and if damaged they should be replaced. Lubricate the equipment in accordance with paragraph 3 of this section and wipe off excessive lubricant with a clean cloth.	Be sure that springs are not disengaged and that other parts are not disturbed during examination and lubrication.

CABINETS CY-870/UG & CY-871/UG



CAUTION: Wipe off excessive lubricant. Do not distort or disturb springs.

Notes:

1. Interval—four months at 60-wpm; three months at 75-wpm; two months at 100-wpm.

2. Use type KS-7470 oil as supplied for normal or high temperatures —5° to +55° C. (41° to 131° F.). For lower temperatures, dilute the KS-7470 with kerosene (half and half).

AA.	NAVY LUBRICANT			STA	STANDARD NAVY STOCK NUMBER	STOCK NU	MBER				
SPECIFI- CATION	TITLE	1 PT.	ו פד.	1 GAL.	S GAL.	5 GAL. 8 OZS.	1 LB.	5 LB.	5 LB. 25 LB. 35 LB.	35 LB.	100 LB.
Teletype KS-7470	Lubricating oil	N17-T-350011- 463	N17-T-350011- N17-T-350002- N17-T-350009- 463 878 698	N17-T-350009- 698							
MIL-G- 3278*	Lubricating grease					R14-G. R14-G. 984-500 982-20 F W14-G. W14-G. 9	R14-G- 982-20 W14-G- 611-10	R14-G- 984-520	R14-G- 984-520 984-540	R14-G- R14-G- 984-550 984-560	R14-G. 984-560
VV-K-211	VV-K-211 Kerosene				W7-K-505						
* FORME	*FORMERLY ANG-25										

Figure 6-1. Lubrication Data Cabinets CY-870/UG and CY-871/UG SIDE UPWARD REST KEYBOARD BOTTOM

LOCAL CARRIAGE

SURFACE - 2 DROPS

CONTACTING SURFACE-THIN FILM (APPLY WITH BRUSH SNSN G38 - B - 1990)

GUIDE SLOTS-I DROP EACH (34 LEVERS) FELT WASHERS-SATURATE (7 WASHERS)

KS-7470

CODE LEVER SHAFT

CODE LEVERS

HOOKS-EACH END I DROP (38 SPRINGS) BEARING SURFACE -- I DROF EACH (34 WEDGES)

BOTTOM VIEW

BEARING SURFACE-2 DROPS

HOOKS-EACH END I DROP GUIDE SLOT-2 DROPS

> . KS-7470 KS-7470

MIL-6-3278

1. Interval—four months at 60-wpm; three months at 75-wpm; two months at 100-wpm. 2. Use type KS-7470 oil as supplied for normal or high temperatures -5° to $+55^{\circ}$ C. (41° For lower temperatures, dilute the KS-7470 with kerosene (half and half).

Wipe off excessive lubricant. Do not distort or disturb springs.

CAUTION: Notes:

NAV	NAVY LUBRICANT			STAI	STANDARD NAVY STOCK NUMBER	STOCK NI	MBER			
SPECIFI.	TITLE	I PT.	1 QT.	1 GAL.	5 GAL.	5 GAL. 8 OZS. 1 LB. 5 LB.	1 18.	5 18.	25 LB. 35 LB.	35 LB.
Teletype KS-7470	Lubricating oil	N17-T-350011- 463	N17-T-350011- N17-T-350002- N17-T-350009- 463 878 698	N17-T-350009- 698						
MIL-G- 3278*	Lubricating grease					R14-G- R14-G- 984-500 982-20 W14-G- W14-G- 611-5 611-10	R14-G- 982-20 W14-G- 611-10	R14-G- 984-520	R14-G- R14-G- R14-G- 984-520 984-540 984-550	R14-G- 984-550
VV-K-211	VV-K-211 Kerosene				W7-K-505					
* FORMER	*FORMERLY ANG-25									

R14-G-984-560

100 LB.

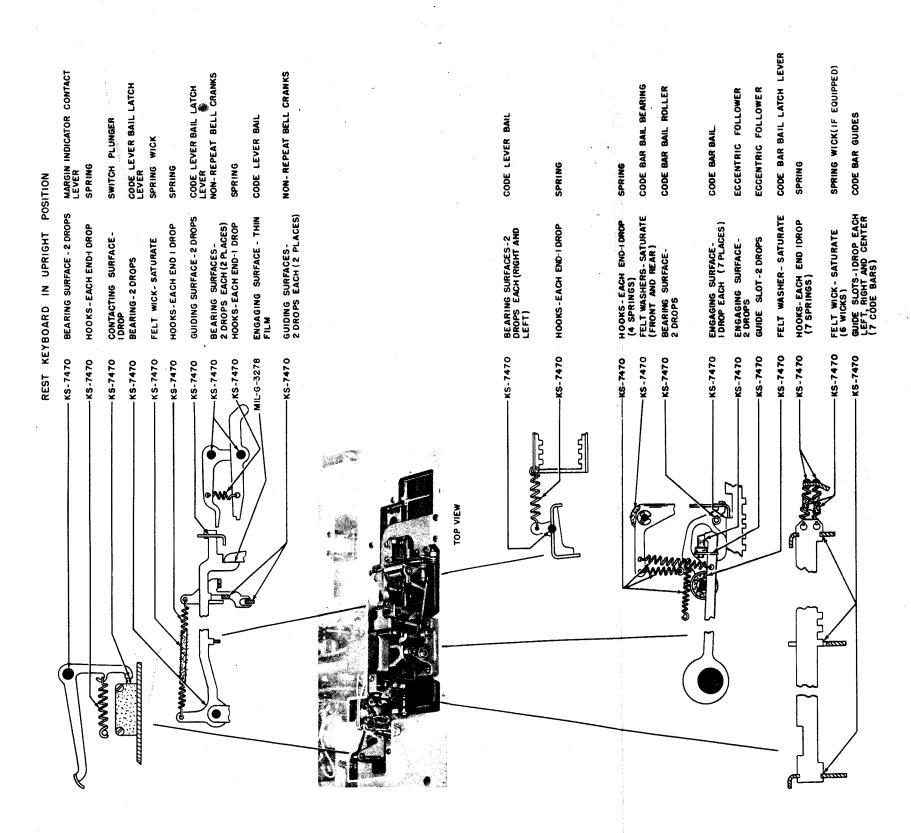
Figure 6-2. Lubrication Data Keyboard MX-1114A/UG

100 18.

R14-G-984-560

W7-K-505

KEYBOARD MX-1114A/UG



Wipe off excessive lubricant. Do not distort or disturb springs. CAUTION:

 Interval—12 months or 3000 hours at 60-wpm; 9 months or 2400 hours at 75-wpm; 6 months or 1500 hours at 100-wpm.
 Use type KS-7470 oil as supplied for normal or high temperatures —5° to +55° C. (41° to 131° F.).
 For lower temperatures, dilute the KS-7470 oil with kerosene (half and half). Notes:

>YZ	NAVY LUBRICANT			STAN	STANDARD NAVY STOCK NUMBER	STOCK N	JMBER				- 1
ECIFI-	TITLE	1 PT.	1 QT.	1 GAL.	5 GAL.	5 GAL. 8 OZS. 1 LB.		S LB.	25 18. 35 18.	35 LB.	
letype S-7470	Lubricating oil	N17-T-350011- 463	N17-T-350011- N17-T-350002- N17-T-350009- 463 878 698	N17-T-350009- 698	-						- 1
IL-G-	Lubricating grease					R14-G- 984-500 W14-G- 611-5	R14-G. R14-G. 984-500 982-20 R14-G. R14-G. R14-G. W14-G. 984-520 984-540 984-550 611-5 611-10 984-550 984-550	R14-G- 984-520	R14-G- 984-540	R14-G- 984-550	
								•		_	

Figure 6-3. Lubrication Data Keyboard MX-1114A/UG

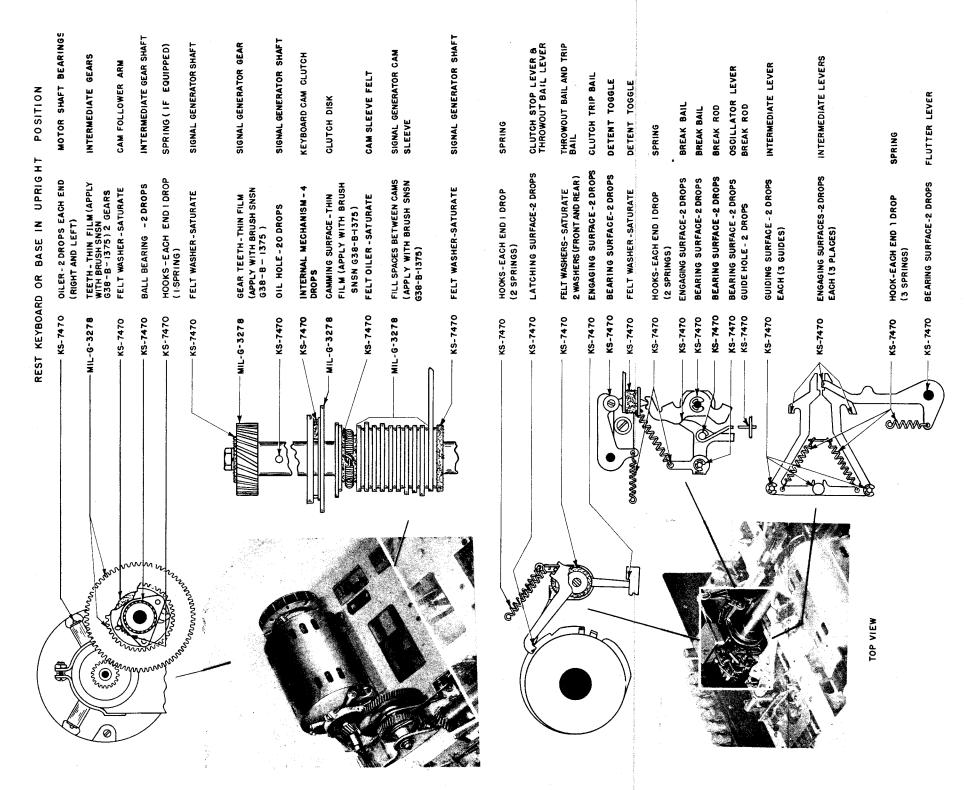
*FORMERLY ANG-25

Kerosene

VV-K-2111

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KEYBOARD MX-1114A/UG, BASE NT-1443/UG, AC MOTORS PD-17A/UG, PD-18/UG



Wipe off excessive lubricant. Do not distort or disturb springs. CAUTION:

1. Interval—12 months or 3000 hours at 60-wpm; 9 months or 2400 hours at 75-wpm; 6 months or 1500 hours at 100-wpm. Notes:

Use type KS-7470 oil as supplied for normal or high temperatures -5° to $+55^{\circ}$ C. (41° to 131° F.). For lower temperatures, dilute the KS-7470 with kerosene (half and half).

NAV	NAVY LUBRICANT			STAI	STANDARD NAVY STOCK NUMBER	STOCK NU	JMBÉR				
SPECIFI- CATION	TITLE	1 PT.	- OT.	1 GAL.	5 GAL.	5 GAL. 8 OZS.	Π.	. S LB.	25 LB.	25 LB. 35 LB.	1001
Teletype KS-7470	Lubricating oil	N17-T-350011- N17-T-350002- N17-T-350009-	N17-T-350002- 878	N17-T-350009- 698							
MIL-G- 3278*	Lubricating grease					R14-G- R14-G- 984-500 982-20 W14-G- W14-G-	R14-G- 982-20 W14-G-	R14-G- R14-G- R14-G- R14-G- 984-520 984-540 984-550	R14-G- 984-540	R14-G- 984-550	R14-G 984-56
VV-K-211	VV-K-211 Kerosene				W 7-K-505	011-2	011-110				
* FORME	*FORMERLY ANG-25										

Figure 6-4. Lubrication Data Keyboard MX-1114A/UG, Base NT-1443/UG, AC Motors PD-17A/UG, PD-18/UG

R14-G-984-560

R14-G-984-550

R14-G-984-540

R14-G-984-520

R14-G-984-500 W14-G-611-5

W7-K-505

8

35

25

1 18

8 OZS.

1 GAL. N17-T-350009-698

> N17-T-350002-878

1 PT. N17-T-350011-463

Lubricating oil

Teletype KS-7470 Lubricating grease

MIL-G-3278*

<u>.</u>

STANDARD NAVY STOCK NUMBER

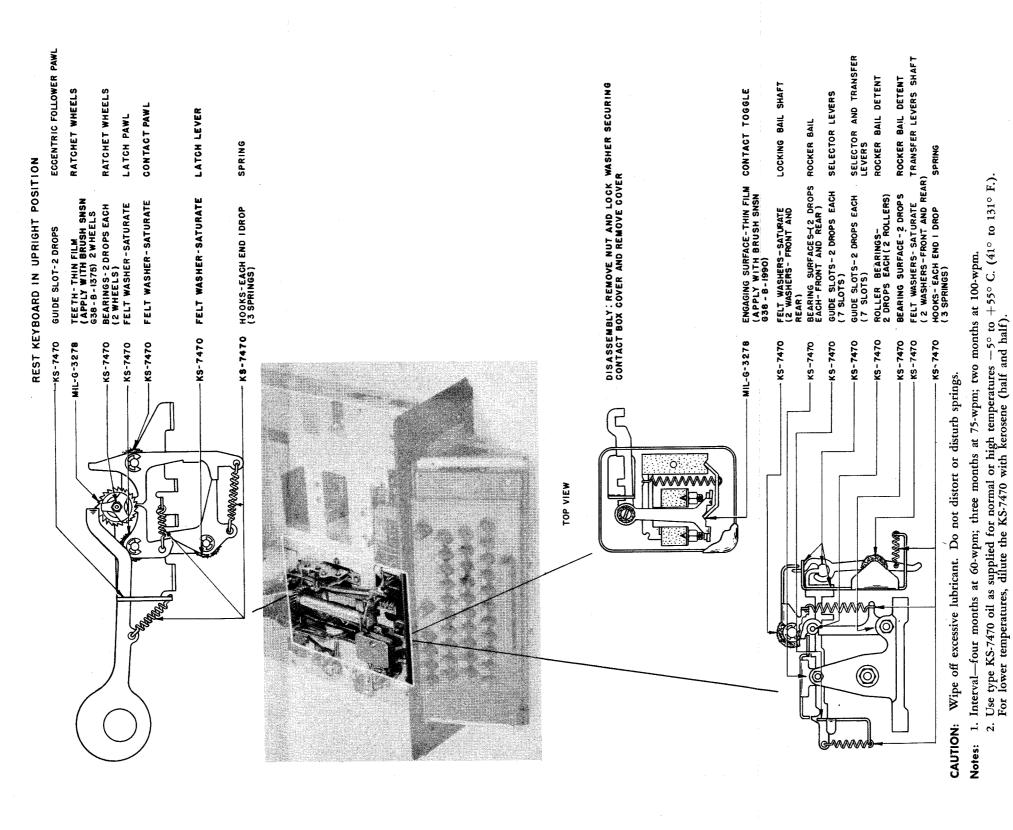


Figure 6-5. Lubrication Data
Keyboard MX-1114A/UG

LUBRICANT

NAVY

*FORMERLY ANG-25

Kerosene

VV-K-2111

100 LB.

35

AUTOMATIC TYPER MX-1115A/UG

AUTOMATIC TYPER IN UPRIGHT POSITION

PRINTING HAMMER OPERATING BAIL TYPE BOX CARRIAGE LATCH TOGGLE OPERATING BAIL LATCH OPERATING BAIL LATCH PRINTING HAMMER SPRING WICK SPRING SECONDARY ELT WASHER-SATURATE NGAGING SURFACES-2 DROI ACH (2 PLACES) KS-7470 KS-7470 KS-7470 KS-7470 KS-7470

KS-7470

TYPE BOX CARRIAGE ROLLERS

BEARING SURFACE-2 DROPS BEARING SURFACE-IDROP

KS-7470 KS-7470

TYPE BOX CARRIAGE LATCH
TYPE BOX CARRIAGE LINK

GUIDING SURFACE - THIN FILM (APPLY WITH BRUSH SNSN G38-B-1990)

PRINTING PRINTING FELT WASHERS - SATURATE (3 WASHERS)

E.

to 131° +55° C. (41° 1 LB. 8 OZS.

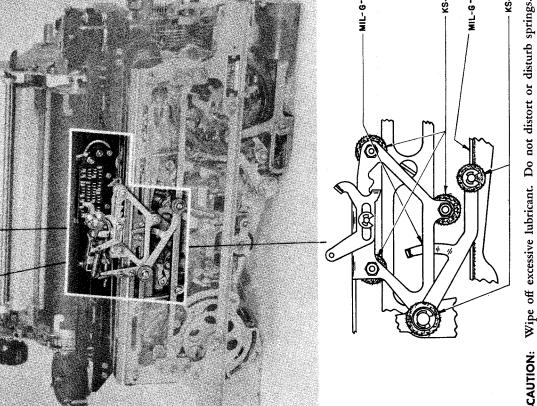
Interval—four months at 60-wpm; three months at 75-wpm; two months at 100-wpm. Use type KS-7470 oil as supplied for normal or high temperatures -5° to $+55^{\circ}$ C. (4) For lower temperatures, dilute the KS-7470 with kerosene (half and half).

R14-G-984-540 25 R14-G-984-520 STANDARD NAVY STOCK NUMBER R14-G-984-500 W14-G-611-5 W7-K-505 1 GAL. N17-T-350002-878 ٦ ج N17-T-350011-T PT. Lubricating oil LUBRICANT TITLE NAVY Teletype KS-7470

R14-G-984-560

R14-G-984-550

Kerosene	*FORMERLY ANG-25
VV-K-211	* FORMER



Wipe off excessive lubricant. Do not distort or disturb springs. Notes:

Figure 6-6. Lubrication Data Automatic Typer MX-1115A/UG

BAR DETENT

BEARING BALLS - 2 DROPS EACH (9 BALLS)

+55° C. (41° to 131° F.).

Use type KS-7470 oil as supplied for normal or high temperatures --5° to For lower temperatures, dilute the KS-7470 with kerosene (half and half).

Wipe off excessive lubricant. Do not distort or disturb springs.

CAUTION: Notes:

NAV	NAVY LUBRICANT			STA	STANDARD NAVY STOCK NUMBER	STOCK NI	IMBER			
SPECIFI- CATION	TITLE	1 PT.	1 QT.	1 GAL.	5 GAL.	5 GAL. 8 OZS. 1 LB.	1 FB.	S LB.	25 LB. 35 LB.	35 LB.
Teletype KS-7470	Lubricating oil	N17-T-350011- 463	N17-T-350011- N17-T-350002- N17-T-350009- 463 878 698 ,	N17-T-350009-						
MIL-G- 3278*	Lubricating grease			-		R14-G- 984-500 W14-G- 611-5	R14-G- 984-500 R14-G- 982-20 R14-G- R14-G- 984-520 R14-G- 984-540 R14-G- 984-550 611-5 611-10 984-520 984-540 984-550	R14-G- 984-520	R14-G- 984-540	R14-G- 984-550
VV-K-211	VV-K-211 Kerosene				W7-K-505					
* FORMER	*FORMERLY ANG-25									

R14-G-984-560

100 LB.

R14-G-984-560

R14-G-984-550

R14-G-984-540

R14-G-984-520

W7-K-505

100 LB.

. 35

.8 25

5 LB.

1 18

8 OZS.

N17-T-350009-1 GAL.

N17-T-350002-878 --

N17-T-350011-463 1 PT.

Lubricating oil

STANDARD NAVY STOCK

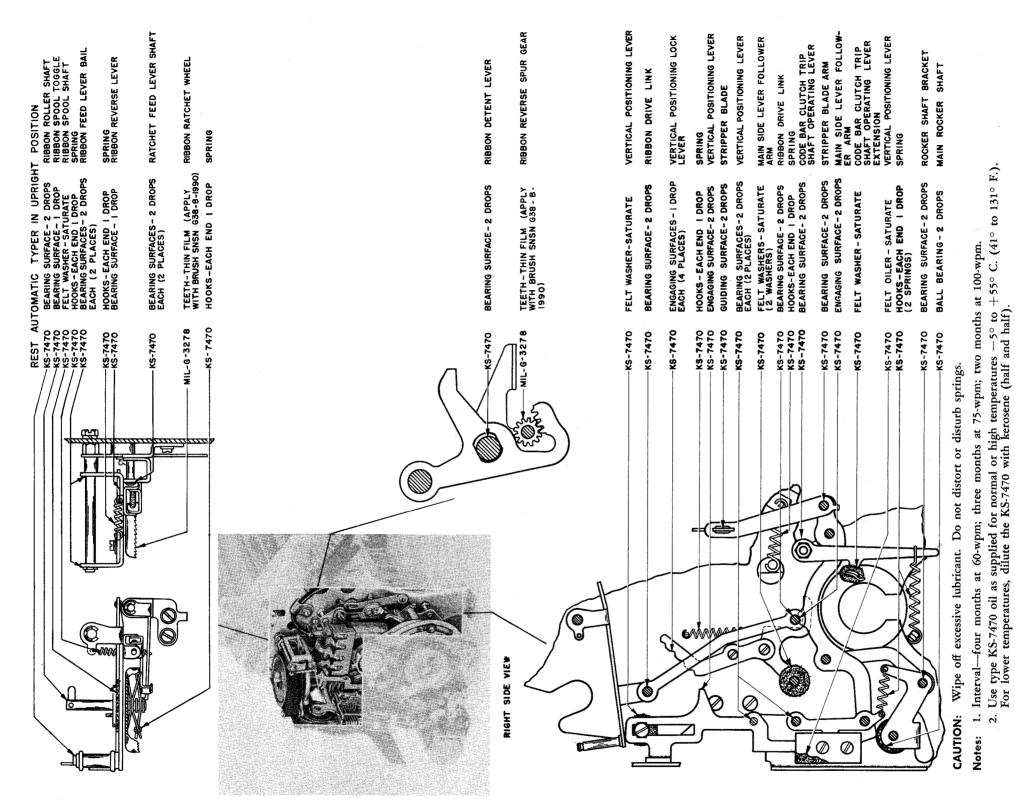


Figure 6-8. Lubrication Data Automatic Typer MX-1115A/UG

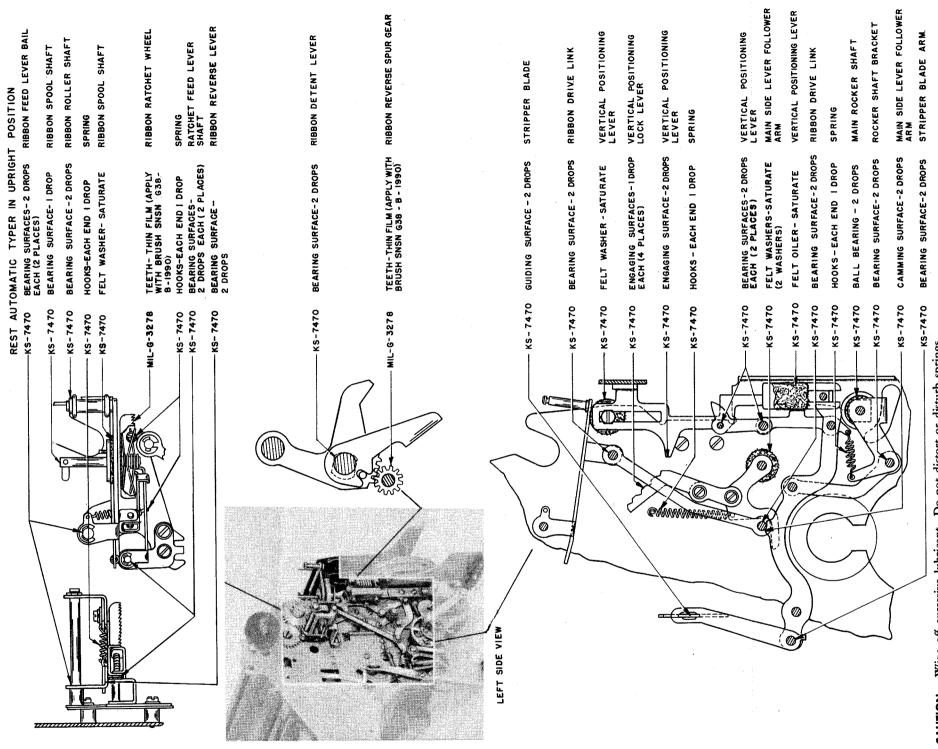
NAVY LUBRICANT

AUTOMATIC TYPER MX-1115A/UG

*FORMERLY ANG-25

VV-K-211 Kerosene

AUTOMATIC TYPER MX-1115A/UG



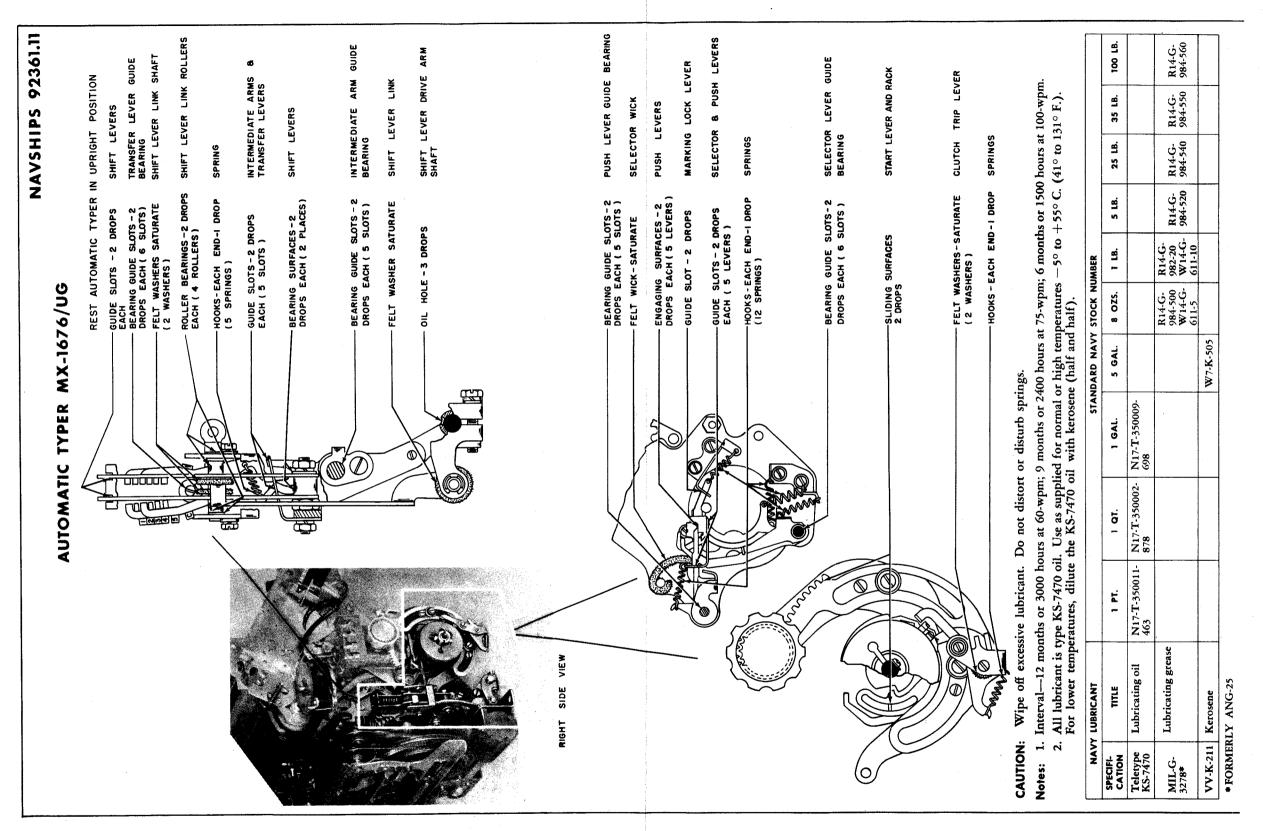
Wipe off excessive lubricant. Do not distort or disturb springs. CAUTION:

+55° C. (41° to 131° F.) Interval—four months at 60-wpm; three months at 75-wpm; two months at 100-wpm. Use type KS-7470 oil as supplied for normal or high temperatures —5° to +55° C. (41 For lower temperatures, dilute the KS-7470 with kerosene (half and half).

NAVY LUBRICANT	STANDARD NAVY STOCK NUMBER	
	8 2 2 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	25 18

NAN	NAVY LUBRICANT			STAP	STANDARD NAVY STOCK NUMBER	STOCK NU	MBER				
SPECIFI- CATION	TITLE	1 PT.	1 QT.	1 GAL.	5 GAL.	5 GAL. 8 OZS. 1 LB.	1 1.8.	5 LB.	25 LB.	35 LB.	100 LB.
Teletype KS-7470	Lubricating oil	N17-T-350011- 463	N17-T-350011- N17-T-350002- N17-T-350009- 463 878 698	N17-T-350009- 698							
MIL-G- 3278*	Lubricating grease					R14-G. R14-G. 984-500 982-20 F W14-G. W14-G. 611-5 611-10	R14-G- 982-20 W14-G- 611-10	R14-G-]	R14-G-]	R14-G- 984-550	R14-G- 984-560
VV-K-211	VV-K-211 Kerosene				W7-K-505						

Figure 6-9. Lubrication Data Automatic Typer MX-1115A/UG



R14-G-984-560

R14-G-984-550

R14-G-984-540

R14-G-984-520

R14-G-984-500 W14-G-611-5

W7-K-505

100 LB.

ë 35

25 LB.

1 LB.

8 OZS.

5 GAL.

1 GAL.

<u>.</u>

<u>-</u>

N17-T-350002-878

N17-T-350011-463

Lubricating oil TITLE LUBRICANT

Teletype KS-7470

MIL-G-3278*

STANDARD NAVY STOCK NUMBER

AUTOMATIC TYPER MX-1115A/UG

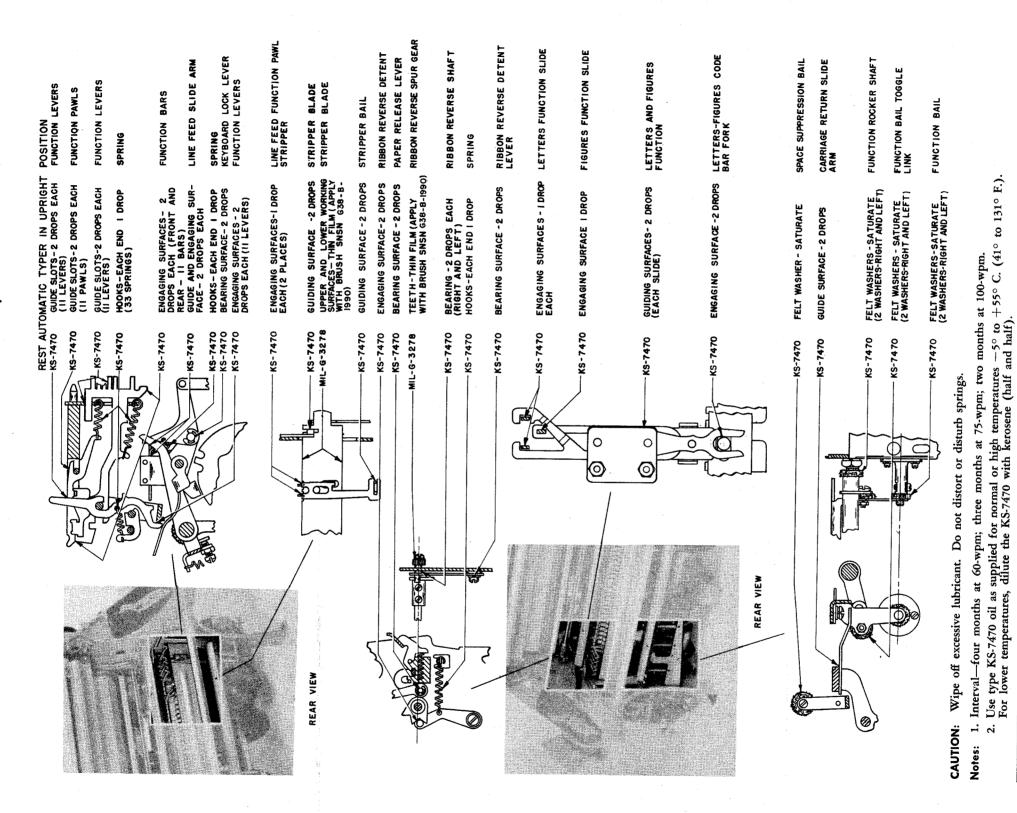


Figure 6-11. Lubrication Data Automatic Typer MX-1115A/UG

* FORMERLY ANG-25

VV-K-211

to 131°

+55° C. (41°

1. Interval—four months at 60-wpm; three months at 75-wpm; two months at 100-wpm.

Wipe off excessive lubricant. Do not distort or disturb springs.

CAUTION:

Notes:

R14-G-984-560

R14-G-984-550

R14-G-984-540

R14-G-984-520

W7-K-505

100 LB.

ë

35

5 LB.

1 LB.

8 OZS.

5 GAL.

N17-T-350009-1 GAL.

N17-T-350002-878 1 01.

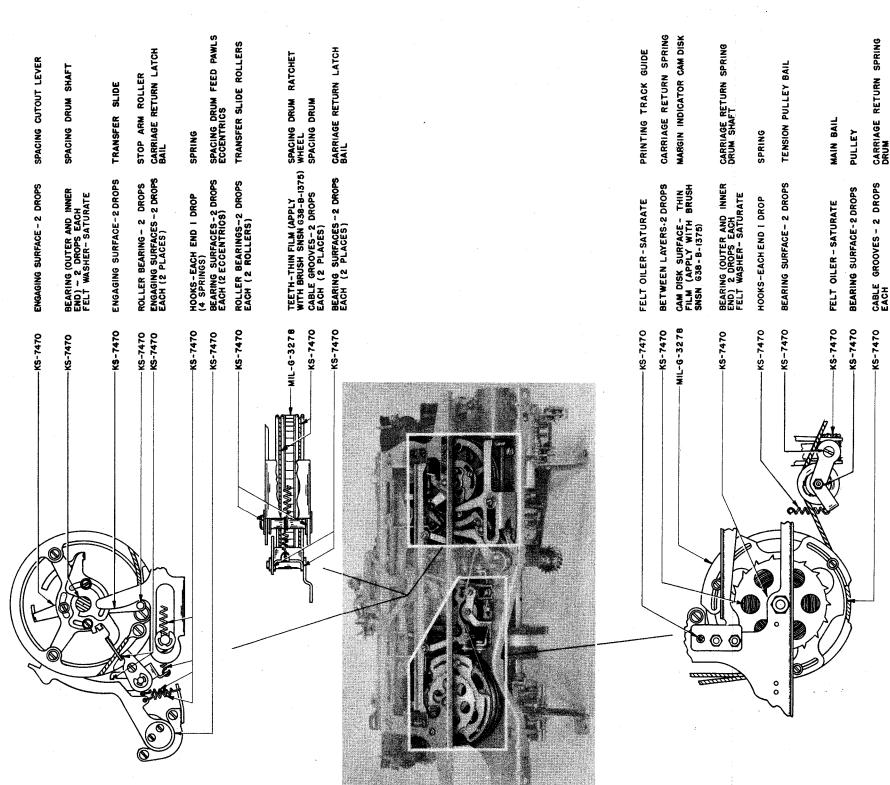
N17-T-350011-463 <u>.</u>

Lubricating oil

TITLE

STANDARD NAVY STOCK

AUTOMATIC TYPER ON ITS BACK



Use type KS-7470 oil as supplied for normal or high temperatures -5° to -For lower temperatures, dilute the KS-7470 with kerosene (half and half). NAVY LUBRICANT

Figure 6-12. Lubrication Data Automatic Typer MX-1115A/UG

* FORMERLY ANG-25

Kerosene

VV-K-211

+55° C. (41° to 131° F.)

R14-G-984-560

R14-G-984-550

R14-G-984-540

R14-G-984-520

R14-G-984-500 W14-G-611-5

W7-K-505

100 LB.

35

ä 25

STANDARD NAVY STOCK NUMBER

8 OZS.

5 GAL.

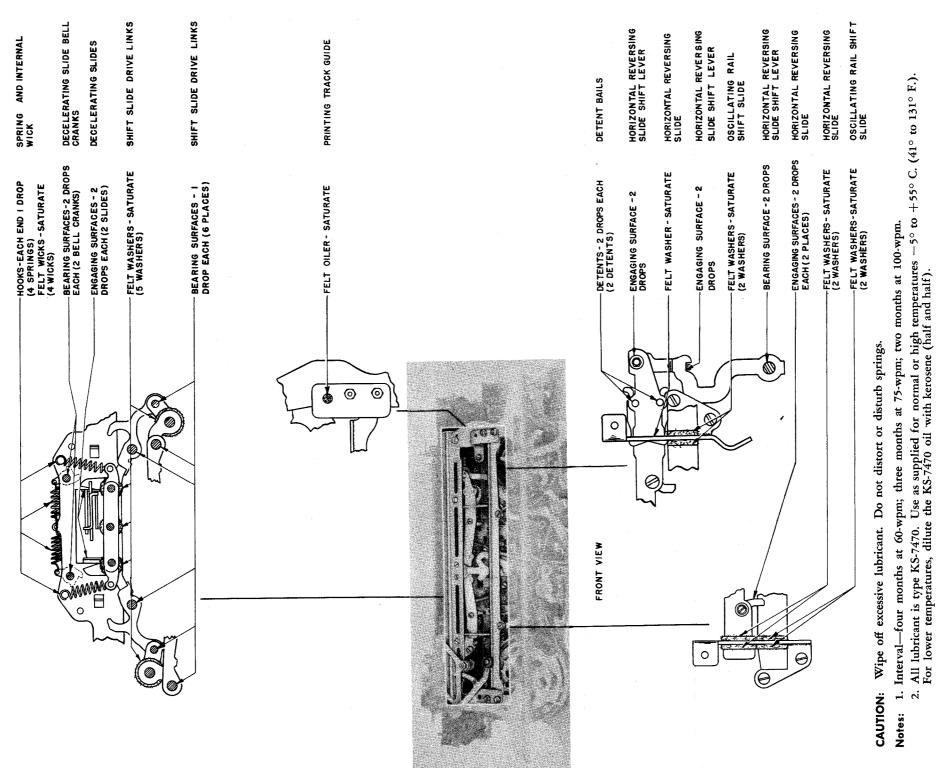
-7

N17-T-350009-

N17-T-350011-463 . T

AUTOMATIC TYPER MX-1115A/UG

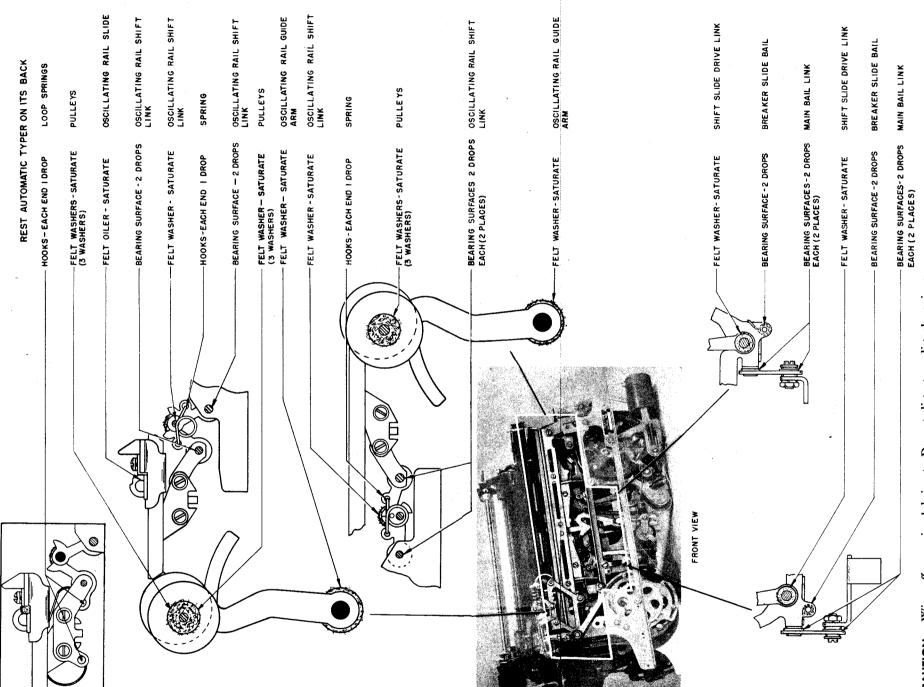
REST AUTOMATIC TYPER ON ITS BACK



Teletype KS-7470 MIL-G-3278* Kerosene

VV-K-211

AUTOMATIC TYPER MX-1115A/UG



Wipe off excessive lubricant. Do not distort or disturb springs. CAUTION:

1. Interval—12 months or 3000 hours at 60-wpm; 9 months or 2400 hours at 75-wpm; 6 months or 1500 hours at 100-wpm. Notes:

All lubricant is type KS-7470. Use as supplied for normal or high temperatures For lower comperatures, dilute the KS-7470 oil with kerosene (half and half).

NAV	NAVY LUBRICANT		•	STAI	STANDARD NAVY STOCK NUMBER	STOCK NU	MBER				
SPECIFI- CATION	TITLE	1 PT.	1 QT.	1 GAL.	5 GAL.	5 GAL. 8 OZS. 1 LB.	1 LB.	5 LB.	25 LB. 35 LB.		100 LB.
Teletype KS-7470	Lubricating oil		N17-T-350011- N17-T-350002- N17-T-350009-	N17-T-350009- 698							
MIL-G- 3278*	Lubricating grease					R14-G- 984-500 W14-G- 611-5	R14-G- 982-20 W14-G- 611-10	R14-G. R14-G. 982-20 R14-G. R14-G. R14-G. R14-G. W14-G. 984-520 984-540 984-550 984-560 984-560 611-6	R14-G- 984-540	R14-G- 984-550	R14-G- 984-560
VV-K-211 Kerosen	Kerosene				W7-K-505						
*FORMERLY ANG	LY ANG-25										

Figure 6-14. Lubrication Data Automatic Typer MX-1115A/UG

R14-G-984-560

R14-G-984-550

R14-G-984-540

R14-G-984-520

R14-G-984-500 W14-G-611-5

W7-K-505

100 LB.

35

25 LB.

5 LB.

1 LB.

8 OZS.

5 GAL.

1 GAL.

<u>-</u>

1 PT. N17-T-350011-463

Lubricating oil

SPECIFICATION
Teletype
KS-7470

MIL-G-3278*

LUBRICANT

STANDARD NAVY STOCK NUMBER

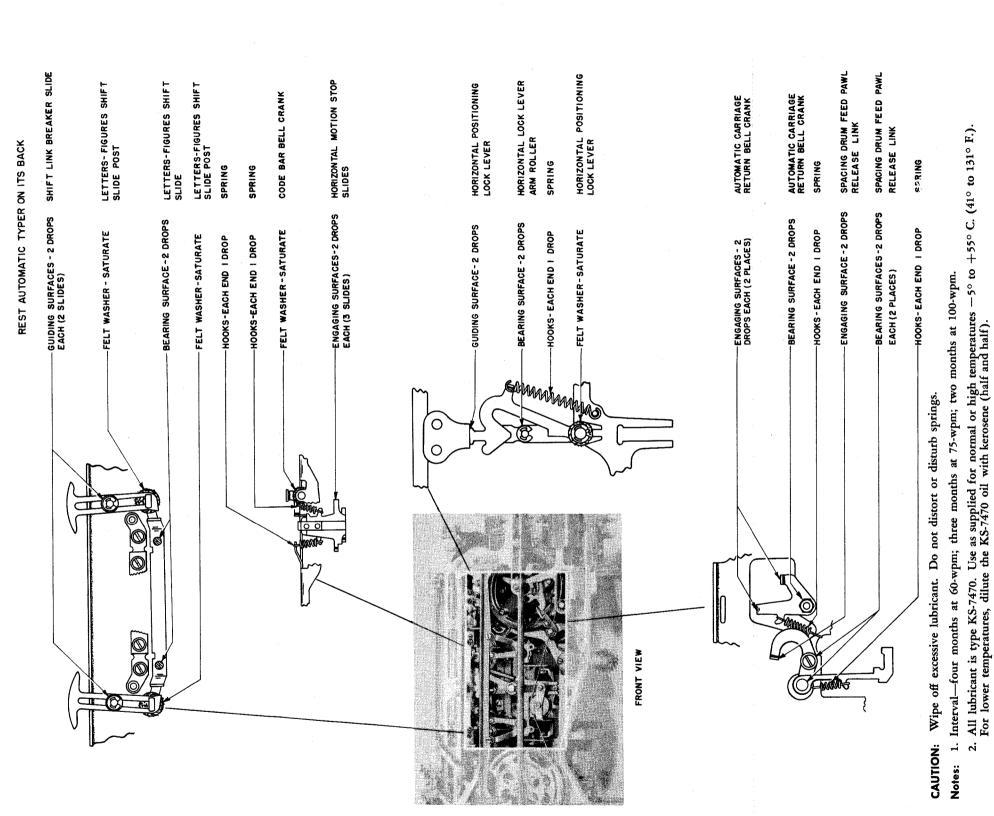
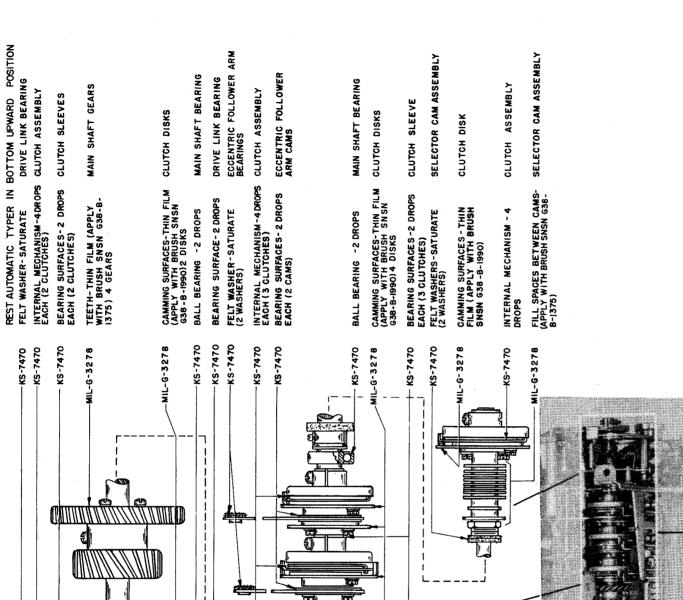


Figure 6-15. Lubrication Data
Automatic Typer MX-1115A/UG

* FORMERLY ANG-25



CAM FOLLOWER ARM CLUTCH TRIP LEVER CAM FOLLOWER ARM CLUTCH ENGAGING SURFACES-2 DROPS EACH (5 LEVERS) FELT WASHER-SATURATE FELT WASHERS - SATURATE (16 WASHERS) HOOKS-EACH END I DROP (8 SPRINGS)

BOTTOM VIEW

Wipe off excessive lubricant. Do not distort or disturb springs. CAUTION:

Interval—four months at 60-wpm; three months at 75-wpm; two months at 100-wpm. Use type KS-7470 oil as supplied for notinal or high temperatures -5° to +55° C. (41°

to 131° F.). Use type KS-7470 oil as supplied for normal or high temperatures —5° to For lower temperatures, dilute the KS-74% with kerosene (half and half).

NAV	NAVY LUBRICANT			STAI	STANDARD NAVY STOCK NUMBER	STOCK N	JMBER				
SPECIFI- CATION	TITLE	1 PT.	1 of.	1 GAL.	5 GAL.	5 GAL. 8 OZS. 1 LB.	1 LB.	s LB.	25 LB.	25 LB. 35 LB.	1001
Teletype KS-7470	Lubricating oil	N17-T-350011- 463	N17-T-350011- N17-T-350002- N17-T-350009- 463 878 698	N17-T-350009- 698							
MIL-G- 3278*	Lubricating grease					R14-G- 984-500 W14-G- 611-5	R14-G- 982-20 W14-G- 611-10	R14-G- 984-520	R14-G- R14-G- R14-G- R14-G- R14-G- R14-G- R14-G- W14-G- W14-G- 984-520 984-540 984-550 511-10	R14-G- 984-550	R14-G
VV-K-211	VV-K-211 Kerosene		-		W7-K-505	,					
* FORME	*FORMERLY ANG-25										

. 260 560

8

Figure 6-16. Lubrication Data Automatic Typer MX-1115A/UG AUTOMATIC TYPER IN BOTTOM UPWARD POSITION

TEETH - THIN FILM (APPLY WITH BRUSH SNSN 638-8-1375) FELT WASHERS - SATURATE (2 WASHERS) FELT WASHER - SATURATE HOOKS - EACH END I DROP (2 SPRINGS)

LINE FEED BAR BELL CRANK LINE FEED BARS SPRING BEARING SURFACE - 2 DROPS GUIDING SURFACE- 2 DROPS GUIDING SURFACES -2 DROPS EACH (2 BARS) HOOKS - EACH END I DROP HOOKS - EACH END I DROP

not distort or disturb springs.

Wipe off excessive lubricant. Do

CAUTION: Notes:

REAR VIEW

to 131° F.) Interval—four months at 60-wpm; three months at 75-wpm; two months at 100-wpm. Use type KS-7470 oil as supplied for normal or high temperatures -5° to +55° C. (41° Use type KS-7470 oil as supplied for normal or high temperatures -5° to For lower temperatures, dilute the KS-7470 with kerosene (half and half)

A A A	NAVI LUBRICANI			YIS.	STANDARD NAVY STOCK NUMBER	STOCK NE	JMBER				
SPECIFI- CATION	TITLE	1 PT.	1 QT.	1 GAL.	5 GAL.	5 GAL. 8 OZS. 1 LB.	1 LB.	. S LB.	25 LB.	25 LB. 35 LB.	100 LB.
Teletype KS-7470	Lubricating oil	N17-T-350011- 463	N17-T-350011- N17-T-350002- N17-T-350009-	N17-T-350009- 698							
MIL-G- 3278*	Lubricating grease					R14-G- R14-G- 984-500 982-20 F W14-G- W14-G- 9 611-5	R14-G- 982-20 W14-G- 611-10	R14-G- 984-520	R14-G- R14-G- R14-G- R14-G- 984-550 984-560	R14-G- 984-550	R14-G- 984-560
VV-K-211	VV-K-211 Kerosene				W7-K-505						
* FORME	*FORMERLY ANG-25										

Figure 6-17. Lubrication Data Automatic Typer MX-1115A/UG PREVENTIVE MAINTENANCE

FAILURE REPORTS

"Report each failure of the equipment, whether caused by a defective part, wear, improper operation, or an external cause. Use ELECTRONIC FAILURE REPORT form DD 787. Each pad of the forms includes full instructions for filling out the forms and forwarding them to the Bureau of Ships. However, the importance of providing complete information cannot be emphasized too much. Be sure that you include the model designation and serial number of the equipment (from the equipment nameplate), the type number of the major unit (from the major unit nameplate, and the type number and reference designation of the particular defective part (from the instruction book). Describe the cause of the failure completely, continuing on the back of the form if necessary. Do not substitute brevity for clarity. And remember—there are two sides to the failure report - - -

"YOUR SIDE"

Every FAILURE REPORT is a boost for you:

- 1. It shows that you are doing your job.
- 2. It helps make your job easier.
- 3. It insures available replacements.
- 4. It gives you a chance to pass your knowledge to every man on the team.

"BUREAU SIDE"

The Bureau of Ships uses the information to:

- 1. Evaluate present equipment.
- 2. Improve future equipment.
- 3. Order replacements for stock.
- 4. Prepare field changes.
- 5. Publish maintenance data.

Always keep a supply of failure report forms on board. You can get them from the nearest District Publications and Printing Office."

SECTION 7 CORRECTIVE MAINTENANCE

1. GENERAL.

- a. The information contained in this section is planned so as to provide maintenance personnel with effective means for locating and clearing trouble. It is necessary that the technician be thoroughly familiar with the theory of operation of the equipment and with the adjusting routine before attempting any maintenance procedures.
- b. The system of assigning symbols to component items deserves mention since it is frequently desirable to identify a component item with a particular unit.

Component Numbering System

Component	Numerical Range
Keyboard MX-1114A/UG	101-499
AC Motor PD-17A/U	501-599
AC Motor PD-18/U	601-699
Cabinets CY-870/UG and CY-871/U	J G 701-1099
Power Distribution Panel SB-154A/U	J G 1101-1299
Automatic Typer MX-1115A/UG	1301-2199

2. TROUBLE SHOOTING.

- a. GENERAL.—Failures of the equipment can be traced functionally by means of the chart, Table 7-4. By following the appropriate leads as manifested by the behavior of the equipment, a block will be found which will provide index numbers to a group of probable faults tabulated in paragraph 2.b. An elimination process relative to these probabilities should greatly facilitate the clearing of trouble. (In every case where a part fails, a failure report Navships 383 should be made and forwarded to BUShips.)
- b. TABULATION OF FAULTS INDICATED IN TROUBLE SHOOTING CHART, PAGE 7-145.
 - (1) MOTOR DOES NOT START.
- (a) Power failure—check for 115 volt, 60 cycle applied voltage between terminals 29 and 30 on Cabinet.
- (b) Fuse failure—check Power Distribution Panel fuses F-1101 and F-1102. If open, rotate the Motor by hand and check for excessive load. Refer to Primary Power Distribution Diagram, figure 7-138, and Wiring Diagram, figure 7-140, and check the following items for possible failure.
- 1. Stop magnet E-1110, line shunt relay K-1101 and signal bell magnet E-759—shorted windings.

- 2. Motor—shorted windings.
- (c) Motor control assembly—not functioning properly. Check requirements in figure 7-91.
- (d) Open windings—start magnets E-1114 and E-1115.
- (e) Motor—brushes not making contact (governed motor only).
- (f) Governor—contact open, dirty (governed motor only).
 - (2) MOTOR DOES NOT STOP.
- (a) Motor stop switch S-103 not closing—check requirements in figures 7-23, 7-27, and 7-28.
- (b) Motor control mechanism not functioning properly—check requirements in figure 7-91.
 - (c) Stop magnet E-1110—open windings.
 - (3) INCORRECT MOTOR SPEED.
 - (a) Incorrect voltage (governed motor only).
- (b) Incorrect frequency (synchronous motor only).
- (c) Governor adjustment—check requirements in figure 7-89 (governed motor only).
- (d) Governor—contacts burnt (governed motor only).
- (e) Open resistor R-601—check resistor (governed motor only).
 - (f) Poor brush contact (governed motor only).
 - (4) UNCONTROLLABLE MOTOR SPEED.
 - (a) Shorted capacitor C-603—check capacitor.
 - (b) Shorted resistor R-601—check resistor.
- (c) Governor contacts stuck—burnish and readjust.
 - (5) NO SIGNALS FROM KEYBOARD.
 - (a) OPEN SIGNAL LINE.
 - 1. Contacts dirty—burnish.
- 2. Contacts incorrectly adjusted—check adjustment figure 7-10.
 - 3. Open electrical noise suppressor Z-101.
 - 4. Flutter lever out of adjustment figure 7-6.
- 5. Binding mechanism—check freeness of moving parts.
 - (b) SIGNAL LINE NOT OPENING.
 - 1. Shorted contacts.

- 2. Shorted electrical noise suppressor Z-101.
- 3. Contact fails to open—check adjustment in figures 7-6 and 7-10.
- 4. Binding mechanism—check chain of linkage for freeness.
 - (6) SHORT ON MARGIN.
 - (a) Line current—inadequate or excessive.
- (b) Shorted selector magnet coils E-1308 and E-1309.
- (c) Incorrect motor speed—see paragraphs 2.b.(3) and 2.b.(4).
- (d) Armature dirty, or oily—drag thin piece of clean paper between armature and magnet core.
- (e) Binds in moving parts of code bar linkage—check for freeness.
 - (f) Incorrect adjustment—check following:
 - 1. Selector Magnet Bracket, figure 7-32.
 - 2. Selector Armature, figure 7-31.
 - 3. Selector Armature Spring, figure 7-31.
 - 4. Stop Arm Bail Spring, figure 7-41.
 - 5. Start Lever Spring, figure 7-39.
 - (7) INTERMITTENT ERRORS.
 - (a) Range finder set beyond range limits.
 - (b) Line current—inadequate or excessive.
- (c) Shorted selector magnet coils E-1308 and E-1309.
- (d) Incorrect motor speed—see paragraphs 2.b.(3) and 2.b.(4).
- (e) Armature dirty—drag thin piece of clean paper between armature and magnet core.
- (f) Binds in moving parts of selector and code bar linkage—check for freeness.
 - (g) Incorrect adjustment—check following:
 - 1. Selector Magnet Bracket, figure 7-32.
 - 2. Shift Lever Link Guide, figure 7-38.
 - 3. Code Bar Detent, figure 7-88.
 - 4. Selector Push Lever Spring, figure 7-36.
 - 5. Selector Transfer Lever Spring, figure 7-35.
 - (8) GAINING OR LOSING A PULSE.
- (a) Binds in moving parts of selector and code bar linkage on particular pulse in trouble—check for freeness.
- (b) Incorrect adjustment—check following adjustments on particular pulse in trouble:
 - 1. Selector Magnet Bracket, figure 7-32.
 - 2. Shift Lever Link Guide, figure 7-38. 7-46
 - 3. Code Bar Detent, figure 7-88. 7-94
 - 4. Push Lever Spring, figure 7-36.
 - 5. Transfer Lever Spring, figure 7-35.

- (9) GARBLING.
 - (a) Incorrect line current.
 - (b) Defective selector coils.
- (c) Incorrect motor speed—see paragraphs 2.b.(3) and 2.b.(4).
 - (d) Range finder setting out of range.
- (e) Armature dirty—drag thin piece of clean paper between armature and magnet core.
- (f) Binds in moving parts of selector and code bar linkage—check following for freeness:
 - 1. Selector Magnet Bracket, figure 7-32.
 - 2. Code Bar Detent, figure 7-88.
 - 3. Armature Spring, figure 7-31.
 - 4. Stop Arm Bail Spring, figure 7-41.
 - (10) SPACING FAILURE OR MULTIPLE SPACING.
- (a) Binds in moving parts of spacing chain of linkage, figures 7-50 and 7-56—check for freeness.
 - (b) Incorrect adjustment—check following:
- 1. Spacing Trip Lever Bail Cam Plate, figure 7-56.
 - 2. Spacing Clutch Trip Lever, figure 7-45.
 - 3. Carriage Return Lever, figure 7-66.
 - 4. Spacing Trip Lever Spring, figure 7-56.
 - 5. Spacing Trip Lever Bail Spring, figure 7-56.
 - 6. Spacing Feed Pawl Spring, figure 7-55.
 - 7. Clutch Trip Shaft Set Collar, figure 7-44.
 - 8. Function Stripper Blade Arm, figure 7-80.
 - 9. Function Bar Spring, figure 7-77.
 - (11) FAILURE ON LETTERS—FIGURES SHIFT.
- (a) Binds in moving parts of letters—figures shift linkage—check for freeness of selector and code bar linkage, and letters and figures function slide (figure 7-57).
 - (b) Incorrect adjustment—check following:
 - 1. Function Stripper Blade Arm, figure 7-79.
- 2. Shift Code Bar Operating Slides, figure 7-57.
 - 3. Function Lever Spring, figure 7-77.
 - 4. Function Pawl Spring, figure 7-77.
 - 5. Function Bar Spring, figure 7-77.
 - (12) FAILURE ON CARRIAGE RETURN.
- (a) Binds in moving parts of linkage for carriage return function. Check for freeness of selector and code bar linkage, function bar reset bail and function bar linkage in function box and carriage return bail and slide.
 - (b) Incorrect adjustment—check following:

- 1. Function Reset Bail Blade, figure 7-59.
- 2. Function Lever, Function Pawl, and Function Bar Springs, figure 7-77.

(13) FAILURE ON LINE FEED.

- (a) Binds in moving parts of linkage for line feed function—check for freeness of selector and code bar linkage, function bar reset bail and function bar linkage in function box, line feed function slide arm and line feed clutch trip lever, figure 7-46, line feed bars, figure 7-51, and line feed stripper and stripper bail, figure 7-81—check position of single-double line feed lever.
 - (b) Incorrect adjustments—check following:
- 1. Line Feed Clutch Trip Lever Eccentric Post, figure 7-46.
- 2. Line Feed Clutch Trip Lever Adjusting Screw, figure 7-46.
 - 3. Function Stripper Blade Arms, figure 7-80.
- 4. Line Feed Clutch Trip Lever Spring, figure 7-45.
 - 5. Function Reset Bail Blade, figure 7-59.
 - 6. Function Bar Spring, figure 7-77.
 - 7. Function Pawl Spring, figure 7-77.
 - 8. Function Lever Spring, figure 7-77.

(14) FAILURE ON SIGNAL BELL.

- (a) Electrical contacts on function box—dirty or burnt.
 - (b) Open magnet E-759 in signal bell.
 - (c) Low voltage.
 - (d) Bell armature dirty.
- (e) Binds in moving parts of linkage for signal bell function—check for freeness of selector and code bar linkage, function bar reset bail, function bar linkage in function box, and armature in signal bell assembly.
 - (f) Incorrect adjustment—check following:
 - 1. Function Reset Bail Blade, figure 7-58.
 - 2. Bell contact, figure 7-86.
 - 3. Remote Signal Bell, figure 7-92.
- 4. Remote Signal Bell Armature Spring, figure 7-92.
 - 5. Function Bar Spring, figure 7-77.
 - 6. Function Pawl Spring, figure 7-77.
 - 7. Function Lever Spring, figure 7-77.

(15) RIBBON FAILS TO FEED OR REVERSE.

- (a) Binds in moving parts of ribbon feeding or reversing mechanism—check for freeness of ribbon feed levers, ribbon lever, ribbon reversing lever, and ribbon reverse detent lever.
- (b) Detent cam loose—check set screws and adjustment, figure 7-74.

- (c) Eyelet missing from ribbon.
- (d) Incorrect adjustment—check following:
- 1. Ribbon Feed Lever Stop Bracket, figure 7-75.
 - 2. Ribbon Reverse Spur Gear, figure 7-74.
 - 3. Ribbon Reverse Detent, figure 7-74.
 - 4. Ribbon Feed Lever Spring, figure 7-75.
 - 5. Ribbon Ratchet Wheel Friction, figure 7-75.
 - 6. Ribbon Lever Spring, figure 7-75.
- 7. Ribbon Reverse Detent Lever Spring, figure 7-74.

(16) FAILURE TO POSITION.

- (a) Binds in moving parts of linkage for type bar positioning mechanism—check freeness of main rocker shaft; vertical positioning linkage, figures 7-53 and 7-54; SUP., 1, 2, 3, and COM code bars; reversing slide, shift slide drive linkage and oscillator rail linkage, figure 7-60.
 - (b) Incorrect adjustment—check following:
 - 1. Rocker Shaft Left Bracket, figure 7-51.
- 2. Vertical Positioning Lever Eccentric Stud, figures 7-53 and 7-54.
 - 3. Shift Slide Drive Linkage, figure 7-61.
- 4. Vertical Positioning Lever Spring, figure 7-53.
 - 5. Shift Linkage Spring, figure 7-71.
- 6. Vertical Positioning Lock Lever Spring, figure 7-54.

(17) FAILURE TO PRINT.

- (a) Binds in printing carriage assembly—check for freeness in moving parts, and for missing springs.
 - (b) Ribbon not properly installed.
 - (c) Incorrect adjustments—check following:
 - 1. Printing Track, figure 7-72.
 - 2. Printing Arm, figure 7-73.
- 3. Printing Hammer Plunger Springs, figure 7-72.

3. REMOVAL AND REPAIR.

Note

If a part that is mounted on shims is to be removed, the number of shims used at each of its mounting screws should be noted so that the same shim pile-up can be replaced when the part is remounted.

a. AUTOMATIC TYPER. (See figures 7-24 and 7-95.)—To remove the Automatic Typer from the base proceed as follows: Remove the four H-107 screws that secure the Typer to the base. Remove the P-1102 cable plug from the right side frame. Lift the Typer from the base.

- (1) TYPE BOX. (See figure 7-130.)
 - (a) To remove the type box, proceed as follows:
- 1. Trip the O-1906 type box latch toggle (figure 7-130) to the right.
- 2. Lift the right end of the type box upward to an angle of approximately 45° and pull the type box toward the right to disengage it from the left hand bearing stud.
- 3. The disassembly of the type box is shown in figure 7-130.
- (b) To reinstall the type box, reverse the procedure used in removing it. The type box should be firmly seated on the bearing studs and the point of the latch toggle should be placed in the notch of the type box plate before moving the toggle to its latched position.
 - (2) PRINTING CARRIAGE. (See figure 7-115.)
- (a) To remove the printing carriage, proceed as follows:
- 1. Loosen the two H-1308 screws (figure 7-115) which clamp the O-1315 plate to the wire rope and disengage the carriage from the wire rope.
- 2. Move the carriage to the left end of its track and tilt the lower part forward to disengage the rollers from the track.
- 3. The disassembly of the printing carriage is shown in figure 7-115.
- (b) To reinstall the carriage, reverse the procedure used in removing it. Make certain that the A-1304 printing arm is correctly re-engaged with the A-1348 printing track.
- (c) Position the carriage clamp on the wire rope for correct printing position as specified in figure 7-70.
 - (3) TYPE BOX CARRIAGE. (See figure 7-130.)
- (a) To remove the type box carriage, proceed as follows:
- 1. Move the type box carriage to its extreme right hand position.
- 2. Hold the O-1351 to O-1356 code bar shift bars in the marking position and rotate the main shaft so that the type box is in its uppermost position.
- 3. Remove the H-1910 retainer ring from the stud in the right hand end of the O-1905 type box carriage link and disengage the link from the carriage.
- 4. Hold the O-1907 ribbon guide forward and the O-1409 ribbon reverse lever back and pull the carriage toward the right to disengage it from the carriage track.
- 5. The disassembly of the type box carriage is shown in figure 7-130.

- (b) To reinstall the carriage, reverse the procedure used in removing it. See figure 7-68 for adjustment.
- (4) FRONT PLATE. (See figures 7-123, 7-124 and 7-125.)
- (a) To remove the front plate, proceed as follows:
- 1. Remove the Automatic Typer from the Keyboard.
- 2. Remove the H-1910 retainer ring from the O-1905 type box carriage link right hand stud and disengage the link from the carriage. See instructions for removing the link retainer in paragraph 3.a.(3).
- 3. Remove the two H-2009 screws, figure 7-131, which secure the O-1349 main bail drive bracket (figure 7-123) to the O-2017 rocker shaft.
 - 4. Remove the O-1669 spacing shaft gear.
- 5. Remove the four H-1640 screws which secure the front plate assembly to the typer side frames.
- 6. Pull the front plate assembly forward to disengage it from its connecting parts in the Typer.
- 7. The disassembly of the front plate is shown in figures 7-123 to 7-125.
- (b) To reinstall the front plate assembly, reverse the procedure used in removing it. Make certain that the O-1661 and O-1659 code bar bell cranks (figure 7-124), the O-1650 letters-figures shift slide, the O-1664 reversing slide shift lever (figure 7-124), the O-1617 automatic C.R.-L.F. bell crank, and the O-2118 carriage return lever extension are properly engaged with their mating parts before tightening the front plate mounting screws. Replace the O-1669 spacing shaft gear. See figure 7-50 for adjustment on phasing the spacing gears.
 - (5) FUNCTION BOX. (See figure 7-119.)
- (a) To remove the function box, proceed as follows:
- 1. Remove the Automatic Typer from the Keyboard.
- 2. Remove the O-2067 rear tie bar from the Automatic Typer side frames.
- 3. Remove the O-2107 line feed function pawl stripper from the O-2016 stripper blade.
- 4. Remove the O-2176 single-double line feed lever bearing screw and disengage the lever from the notch in the stripper blade.
- 5. Hold the stripper blade toward the right side of the Automatic Typer and unhook the O-2811 stripper blade left hand arm from the blade.
- 6. Pull the stripper blade toward the left side of the Automatic Typer to disengage the stripper blade from the O-1931 right hand arm and remove the stripper blade from the Automatic Typer.

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- 7. Remove the H-1440 and H-1442 screws which secure the function box assembly in the Automatic Typer (figure 7-119).
- 8. Lift the function box assembly upward to disengage it from its locating brackets and pull toward the rear to disengage the O-1439 letters-figures code bar fork from the code bars. Remove the contact assembly and cable clamp from the function box. Remove the function box.
- 9. Disassembly of the function box is shown in figure 7-119. (Replace the contact assembly and cable clamp before reinstalling the function box.)
- (b) To reinstall the function box assembly, push it forward in its guide rails to within ½ inch of its final position, then manually disengage the function pawls from their function levers and push the function box assembly forward and downward until it is latched in place on its locating brackets.
- (c) Replace the function box mounting screws, the function stripper blade, the single-double line feed lever, the line feed pawl stripper, and the rear tie bar.
 - (6) FUNCTION BAR. (See figure 7-119.)
- (a) To remove a function bar, proceed as follows:
- 1. Remove the function box from the Automatic Typer. See paragraph 3.a.(5).
 - 2. Unhook the O-1436 function bar spring.
- 3. Hold the function bar toward the rear of the function box and disengage its function pawl from the function bar.
- 4. Pull the function bar toward the front to remove it from the function box.
- 5. Disassembly of the function box is shown in figure 7-119.
- (b) To replace the function bar, reverse the procedure used in removing it.
 - (7) CODE BARS. (See figure 7-116.)
- (a) To remove the code bar assembly, proceed as follows:
- 1. Remove the Automatic Typer from the Keyboard.
- 2. Remove the function box assembly. See paragraph 3.a.(5).
- 3. Remove the front plate assembly. See paragraph 3.a.(4).
- 4. Remove the H-1344, H-1345 and H-1353, H-1354 screws (figure 7-116) which secure the code bar assembly to the side frame.
- 5. Remove the O-1357 code bar shift bar retainer plate from the A-1307 right hand code bar casting.
 - 6. Remove the O-1351 to O-1356 code bar

shift bars from the code bars and pull the code bar assembly forward and to the left.

- 7. Disassembly of the code bars is shown in figure 7-116.
- (b) To install the code bar assembly, reverse the procedure used in removing it, except do not tighten the mounting screws. Loosen the H-1337 code bar assembly tie bar screws and hold the code bar castings back and downward firmly against their locating surfaces on the side frame and tighten the four mounting screws. Tighten the two tie bar screws.
 - (8) MAIN SHAFT. (See figures 7-128 and 7-129.)
- (a) To remove the main shaft, proceed as follows:
- 1. Remove the Automatic Typer from the Keyboard.
- 2. Remove the selector cam-clutch assembly. See paragraph 3.a.(12).
 - 3. Set the Automatic Typer upside down.
 - 4. Return the carriage to its left hand position.
- 5. Remove the H-1653 screw (figure 7-124) which secures the O-1668 spacing shaft in the O-1626 spacing pawl hub.
 - 6. Remove the spacing shaft with gear.
- 7. Remove the H-1846 screw which secures the O-1819 collar and the H-1845 clamp from the right end of main shaft. Remove the O-1818 main shaft right hand bearing retainer plate, figure 7-128.
- 8. Remove the O-1882 retainer plate at the O-1881 clutch bearing and remove the O-1879 link.
- 9. Remove the two H-1873 screws from the H-1872 main shaft left hand bearing clamp.
- 10. Unhook the O-1775, O-1772, O-1766, O-1763, O-1743, O-1748, O-1751, O-1755, O-1732 and O-1738 springs from the trip levers and latch levers associated with all clutches. Position the code bar clutch so that the low part of the clutch cam clears the spring arm on the cam follower.
- 11. Move the main shaft assembly toward the left to disengage the code bar clutch and function clutch links from their connecting pins.
- 12. Lift the left end of the shaft assembly out of the side frame and position the shaft so that the function clutch link passes the suppression assembly bracket and remove the shaft assembly from the Automatic Typer.
- 13. When assembling the clutches which have cams and disks marked "O" for identification, the marked side of the parts should face away from the clutch side of the assembly. The function and code bar clutches should have their driving links assembled so that the

larger end of the hub faces away from the clutch side of the assembly.

- 14. Disassembly of the main shaft and clutches is shown in figures 7-128 and 7-129.
- (b) To reinstall the shaft assembly, reverse the procedure used in removing it.
- (c) To phase the spacing gears and the line feed gears, see figures 7-50 and 7-51 respectively.
- (9) UPPER DRAW WIRE ROPE. (See figure 7-126.)
- (a) To remove the upper draw wire rope, proceed as follows:
 - 1. Return the carriage to the left hand position.
- 2. Loosen the H-1756 nut on the front end of the H-1742 spring drum bearing post, figure 7-125. Operate the O-1695 ratchet escapement lever to unwind the O-1719 carriage return spring.
- 3. Remove the W-1307 wire rope from the O-1315 clamp plate on the printing carriage, and the O-1705 clamp on the O-1697 oscillating rail slide.
- 4. Loosen the H-1747 clamp screw which secures the wire rope to the O-1715 spring drum, and remove the wire rope from the drum.
- 5. Remove the H-1770 screw in the spacing drum which secures the ends of the wire rope, and remove the rope from the drum.
- 6. Disassembly of the wire rope, spring drum and spacing drum is shown in figure 7-126.
- (b) To replace the upper draw wire rope, reverse the procedure used in removing it.
- (10) LOWER DRAW WIRE ROPE. (See figure 7-126.)
- (a) To remove the lower draw wire rope, proceed as follows:
- 1. Remove the H-1765 screw which secures the W-1306 lower draw wire rope to the O-1722 spacing drum, and remove the end of the rope from the drum.
- 2. Loosen the H-1752 screws which secure the O-1720 margin indicator cam disk on the spring drum and position the disk to expose the wire rope mounting screw.
- 3. Remove the H-1766 lower draw wire rope screw and remove the rope from the spring drum.
- 4. Loosen the H-1697 screws in the H-1706 bearing studs which mount the O-1677 printing carriage pulleys and move the studs toward the center of the Automatic Typer.
- 5. Disassembly of the lower draw wire rope is shown in figure 7-126.
- (b) To replace the wire rope, reverse the procedure used in removing it. Make certain that each rope is in its correct track around the drums.

- (c) Adjust the position of the type box, the printing carriage, and the wire rope tension as specified in the figures 7-68, 7-70 and 7-63.
 - (11) PLATEN. (See figure 7-132.)
 - (a) To remove the platen, proceed as follows:
 - 1. Remove the O-2033 line feed spur gear.
- 2. Remove the O-2050 and O-2051 platen bearing retainers.
 - 3. Remove the O-2129 paper finger shaft.
- 4. Hold off the O-2156 detent and lift the platen out of the side frame.
- 5. Disassembly of the platen is shown in figure 7-132.
- (b) To replace the platen, reverse the procedure used in removing it. When replacing each platen bearing retainer, put its upper screw in first. Leave the screw slightly loose. Press the lower end of the retainer downward and hook it into the elongated hole in the side frame. Replace the lower screw. Tighten both screws.
- (12) SELECTOR CAM-CLUTCH. (See figures 7-121 and 7-128.)
- (a) To remove the selector cam-clutch, proceed as follows:
- 1. Lift the O-1498 push lever reset bail cam follower from its cam and latch it in its raised position on the push lever guide by pushing it toward the left. Lift the selector levers and the marking lock lever from their cams by moving the marking lock lever forward until the armature drops behind it.
- 2. Remove the H-1854 screw which mounts the O-1839 selector clutch drum and position the cam clutch so that the stop lug on the O-1827 disk is in the uppermost position.
- 3. Hold the O-1508 start lever and the O-1509 spacing lock lever away from their cams with the thumb and forefinger of the left hand. Withdraw the cam clutch assembly by pulling forward while rocking it back and forth slightly.
- 4. Disassembly of the selector cam clutch is shown in figure 7-128.
- (b) To replace the cam-cluth assembly, reverse the procedure used in removing it except as follows:
- 1. As the cam-clutch approaches its fully installed position, move the trip shaft lever and the cam clutch latch lever so that they ride on their respective cams.
- 2. Restore the push lever reset bail and the armature to their operating position.
- (13) SELECTOR MECHANISM. (See figures 7-121 and 7-128.)

- (a) To remove the selector mechanism, proceed as follows:
- 1. In order to remove the selector mechanism from the Automatic Typer the selector cam-clutch assembly must be removed. See paragraph 3.a.(12).
- 2. Remove the O-1561 felt wick. Remove the H-2148 screw which secures the selector mechanism to the A-1346 bracket on the code bar positioning mechanism.
- 3. Remove from the selector mechanism the O-1553 spring which connects with the O-1552 common transfer lever on the code bar positioning mechanism.
- 4. Remove the remaining three H-1515 selector mounting screws and lift the selector from the main shaft bearing housing.
- 5. Disassembly of the selector mechanism is shown in figure 7-121.
- (b) To replace the selector mechanism, reverse the procedure used in removing it.
- (c) To readjust the selector mechanism see the adjusting figures 7-31 to 7-33 and 7-39 to 7-41.
- (14) CODE BAR POSITIONING MECHANISM. (See figure 7-116.)
- (a) To remove the code bar positioning mechanism, proceed as follows:
- 1. Remove from the selector the O-1553 spring attached to the common transfer lever and restore any operating push levers to the spacing position by raising the O-1498 reset bail.
- 2. Loosen the H-1552 clamp screw on the O-1544 shift lever drive arm, and remove the two screws which mount the mechanism the H-1567 to the side frame, and the H-1571 to the A-1338 selector plate.
- 3. Manipulate the O-1547 to O-1552 transfer levers and O-1351 to O-1356 code bar shift bars while gently twisting the mechanism so as to slide the mechanism off the code bar shift bars.
- 4. Disassembly of the code bar positioning mechanism is shown in figure 7-116.
- (b) To replace the mechanism on the Automatic Typer, reverse the procedure used in removing it, except for the following: With the main shaft in the stop position, push the code bar shift bars to the marking position (left front view). Manipulate the code bar shift bars and transfer levers so that the shift bars line up with their respective slots in the A-1344 bracket, and slide the shift bars through the slots, one at a time (leave the bottom slot vacant).
- (15) SELECTOR MAGNET ASSEMBLY. (See figure 7-120.)
- (a) To remove the selector magnet assembly proceed as follows:

- 1. Remove the two H-1492 screws and H-1491 nut which mount the range finder to the selector.
- 2. Remove the W-1230 cable from the H-1458 coil terminal screws.
- 3. Remove the two H-1484 magnet assembly mounting screws and lift the assembly out.
- 4. Disassembly of the selector magnet assembly is shown in figure 7-120.
- b. KEYBOARD OR BASE. (See figure 7-95.)—Remove the four H-101 screws at each corner of the Keyboard or Base that secure the Keyboard or Base to the cradle. Remove the P-1101 plug from its receptacle at the left rear corner of the Keyboard or Base. Lift the Keyboard or Base from the cradle.
 - (1) SIGNAL GENERATOR. (See figure 7-104.)
- (a) To remove the signal generator from the Keyboard, proceed as follows:
- 1. Remove the two H-420 screws located to the right and left of the contact box, and raise the A-138 contact box.

Note

Do not unsolder connections.

- 2. Remove the four H-351 mounting screws which mount the signal generator casting, two at the front end of the casting, and two at the rear.
- 3. Lift the signal generator upward from the Keyboard.
- 4. Disassembly of the signal generator is shown in figures 7-104 through 7-107.
- (b) To replace the signal generator, reverse the procedure used in removing it.
- (2) KEYBOARD SELECTOR CAM ASSEMBLY. (See figure 7-105.)
- (a) To remove cam assembly from signal generator, proceed as follows:
- 1. Remove signal generator from Keyboard. See paragraph 3.b.(1) above.
- 2. Disconnect the O-312 clutch latch lever spring.
- 3. Disconnect the O-317 clutch stop lever spring.
 - 4. Disconnect the O-372 lever spring.
- 5. Remove the H-360 front nut of the O-347 stationary shaft.
- 6. Remove the two H-361 screws that hold the O-346 rear plate to casting.
- 7. Remove the shaft assembly by lifting it upward and pulling to the rear simultaneously.
- 8. Disassembly of the cam assembly is shown in figure 7-105.
 - (b) To replace the Keyboard selector cam assem-

bly, reverse the procedure used in removing it.

- (3) KEYBOARD LABEL. (See figure 7-103.)
 - (a) To remove the labels, proceed as follows:
- 1. Remove the H-294 plastic cover mounting screw and remove the plastic cover.
 - 2. Pick up plastic cover at top edge first.
 - 3. See figure 7-103 for disassembly.
- (b) To replace the Keyboard label, reverse the procedure used in removing it.
 - (4) KEYLEVER COVER. (See figure 7-103.)
 - (a) To remove cover, proceed as follows:
- 1. Remove the H-293 label covers and labels. See paragraph 3.b.(3).
- 2. Remove the four H-291 screws located under the labels, two at the extreme right side and two at the extreme left side.
 - 3. Pull keylever cover forward to remove.
 - 4. See figure 7-103 for disassembly.
- (b) To replace the keylever cover, reverse the procedure used in removing it.
 - (5) KEYLEVER. (See figure 7-97.)
 - (a) To remove keylever, proceed as follows:
- 1. Use keylever remover tool No. 151383 (SNSN N17-T350015-0147). Insert the smaller lug of the keylever remover in the slot of the keylever and engage the shoulder of the larger lug on the top of the code lever. Pry upward to unsnap keylever from code lever. The plastic keytop should not be removed from any keylever to change a character.
 - 2. See figure 7-98 for disassembly.
- (b) To replace the keylever, place the fork of the keylever over the stud on the code lever. Support the code lever from underneath and press the keylever into position.
 - (6) SPACE BAR. (See figure 7-103.)
 - (a) To remove space bar, proceed as follows:
- 1. Remove the keylever cover. See paragraph 3.b.(4).
- 2. Remove the two H-290 pivot shoulder screws on left and right sides of the O-294 space bar assembly.
- 3. See figure 7-103 for disassembly of the space bar.
- (b) To replace the space bar, reverse the procedure used in removing it.
- (7) KEYLEVER GUIDE PLATE. (See figure 7-103.)
- (a) To remove keylever guide plate, proceed as follows:
- 1. Remove the keylever cover. See paragraph 3.b.(4).

- 2. Remove the six H-292 mounting screws on top side of guide plate.
 - 3. See figure 7-103 for disassembly.
- (b) To replace the keylever guide plate, reverse the procedure used in removing it.
- (8) KEYBOARD LOCKBALL CHANNEL. (See figure 7-103.)
- (a) To remove lockball channel proceed as follows:
- 1. Remove the keylever cover. See paragraph 3.b.(4).
- 2. Remove the two H-278 channel mounting screws at the left and right ends.
- 3. Pull channel forward with caution to avoid dropping the wedges that are located on the code levers. Wedges must be replaced separately when reassembling.
 - 4. See figure 7-103 for disassembly.
- (b) To replace the keyboard lockball channel, reverse the procedure used in removing it.
- (9) KEYBOARD SEALING PLATE. (See figure 7-103.)
 - (a) To remove sealing plate, proceed as follows:
- 1. Remove the keylever cover. See paragraph 3.b.(4).
- 2. Remove the keylevers. See paragraph 3.b.(5).
- 3. Disconnect the O-203 space bar link at its snap connection.
- 4. Remove ten mounting screws, two H-264 and two H-268, at extreme right and left sides and two H-264 at bottom edge of the sealing plate.
 - 5. See figure 7-103 for disassembly.
- (b) To replace the keyboard sealing plate reverse the procedure used in removing it.
- (10) KEYBOARD LOCK-LOCAL LINE FEED MECHANISM. (See figure 7-102.)
- (a) To remove keyboard lock-local line feed mechanism proceed as follows:
- 1. Remove the signal generator from the Keyboard. See paragraph 3.b.(1) above.
- 2. Unhook the O-134 code lever bail spring from the O-138 code lever bail.
- 3. Loosen the two H-179 pilot screws and remove the O-138 code lever bail.
- 4. Remove the H-257 shoulder screw from the O-284 local line feed extension link.
- 5. Remove the two H-262 mounting screws and remove the mechanism through the hole in the bottom of the base.

- 6. See figure 7-102 for disassembly.
- (b) To replace the keyboard lock-local line feed mechanism, reverse the procedure used in removing it.
- (11) KEYBOARD CODE BAR ASSEMBLY. (See figure 7-97.)
- (a) To remove code bar assembly, proceed as follows:
- 1. Remove the keylever cover. See paragraph 3.b.(4).
- 2. Remove the keylevers. See paragraph 3.b.(5).
- 3. Disconnect the O-293 space bar link at its snap connection.
- 4. Remove the signal generator. See paragraph 3.b.(1).
- 5. Remove the two H-200 and H-208 code bar assembly mounting screws located on top of base.
- 6. Remove the two H-244 mounting screws and remove the A-119 local C.R. bracket.
- 7. Remove the keyboard lock-local line feed mechanism. See paragraph 3.b.(10).
- 8. Remove the H-199 nut and the O-153 code lever bail latch lever with spring. Remove the three H-184 screws which mount the O-152 non-repeat bell crank plate assembly. Remove the plate assembly. Remove code bar assembly through the opening in top side of the base.
- 9. The disassembly of the keyboard code bar assembly is shown in figure 7-97.
- (b) To replace the keyboard code bar assembly, reverse the procedure used in removing it.
 - (12) CODE BAR. (See figure 7-97.)
- (a) To remove a code bar from the keyboard code bar assembly, proceed as follows:
- 1. Remove the signal generator from the Keyboard. (See paragraph 3.b.(1) above.
- 2. Remove the two H-192 mounting screws and remove the A-111 non-repeat bracket.
- 3. Remove the three H-184 mounting screws and remove the U-152 non-repeat assembly mounting plate.
 - 4. Disconnect the O-174 code bar springs.
- 5. Remove the H-126 mounting screw and remove the O-174 latch from the O-145 lock bar if the lock bar is to be removed.
- 6. Loosen the H-174 mounting screws for the left and right code bar guides until they are friction tight and lift the O-135 and O-132 guides to their extreme upward position.
- 7. Remove code bar by sliding it to the left or right to get one end of the code bar out of its guide.

- 8. Disassembly of the code bar mechanism is shown in figure 7-97.
- (b) To replace a code bar, reverse the procedure used in removing it. When reinstalling the non-repeat bracket, the O-150 non-repeat bell crank should be under the O-153 code lever bail latch lever, and the O-149 non-repeat lever under the O-159 code lever bail adjustable extension.
- c. MOTOR. (See figure 7-109.)—Remove the four H-528 screws that secure the motor base plate to the base. Remove the H-113 screws that secure the E-102 cover and remove the motor leads from terminals 1 and 2 of the TB-101 terminal board.
- (1) SYNCHRONOUS.—Disassembly of the Synchronous Motor is shown in figure 7-108.
 - (2) GOVERNED.
- (a) Disassembly of the Governed Motor is shown in figure 7-109.
- (b) In order to prolong the life of governor slip ring brushes, the slip rings are machined to close concentricity requirements after assembly. These slip rings should not be replaced unless facilities for machining operation are available.
- (c) After the governor parts are assembled, the governor is carefully balanced to reduce vibration; therefore, when it becomes necessary to replace contacts, only the parts being replaced should be moved.
- d. POWER DISTRIBUTION PANEL. (See figure 7-113.)—In order to remove the Power Distribution Panel completely from the Cabinet, it will be necessary to remove the wires from the TB-751, TB-752, and TB-753 terminal boards. However the panel may be turned bottom side upward for maintenance purposes by removing the two H-1109 studs.
- e. BASE. (See figure 7-95.)—Remove the four H-101 screws at each corner of the Base that secure the base to the cradle. Remove the P-1101 plug from its receptacle at the left rear corner of the Base. Lift the Base from the cradle.
 - (1) BASE LABEL. (See figure 7-103A.)
 - (a) To remove the labels, proceed as follows:
- 1. Remove the H-2613 plastic cover mounting screw and remove the H-2612 plastic cover.
 - 2. See figure 7-103A for disassembly.
- (b) To replace the Keyboard label reverse the procedure used in removing it.
 - (2) KEYLEVER COVER. (See figure 7-103A.)
 - (a) To remove cover proceed as follows:
- 1. Remove the two H-2622 end screws at the top, rear of the A-123 seal plate.
 - 2. Push the A-2603 cover down until it clears

Paragraph 3.e.(2)(a)2.

the two H-2611 studs on the A-2602 cover retaining brackets. Pull the cover out to clear the brackets and lift up until it clears the local O-2601 and O-2604 function keys.

- 3. See figure 7-103A for disassembly.
- (b) To replace the keylever cover, reverse the procedure used in removing it.
 - (3) KEYLEVER. (See figure 7-103A.)
 - (a) To remove the keylever, proceed as follows:
- 1. Remove the keylever cover; see paragraph 3.e.(2).
 - 2. Remove H-2606 shoulder screw pivot.
 - 3. See figure 7-103A for disassembly.
- (b) To replace the keylever, reverse the procedure used in removing it.
 - (4) BASE SEALING PLATE. (See figure 7-103.)
- (a) To remove the sealing plate, proceed as follows:
- 1. Remove the keylever cover; see paragraph 3.e.(2).
- 2. Remove the four H-2610 screws, two at lower left and two at lower right, front of sealing plate.
 - 3. See figure 7-103 for disassembly.
- (b) To replace the sealing plate, reverse the procedure used in removing it.
- (5) LOCAL LINE FEED OR CARRIAGE RETURN OPERATING LEVER. (See figure 7-103A).
- (a) To remove the local line feed or carriage return operating lever, proceed as follows:
 - 1. Remove the keylevers; see paragraph 3.e.(3).
- 2. Remove the four H-2601 mounting screws that retain the A-2601 operating levers guide bracket.
 - 3. Remove the A-2601 bracket.
 - 4. Remove the H-2603 lever pivot stud.
 - 5. See figure 7-103A for disassembly.

4. ADJUSTMENTS.

a. GENERAL.

(1) The adjustments of each unit are arranged in a sequence that would followed if a complete readjustment of the unit were undertaken. Tools and spring scales required to perform the adjustments are listed in Paragraph 5 but are not supplied as part of the equipment. After an adjustment has been completed, be sure to tighten any nuts or screws that may have been loosened. The adjusting illustrations, in addition to indicating the adjusting tolerances, positions of moving parts, and spring tensions, also show the angle at which the scale should be applied when measuring spring tensions. If a part that is mounted on shims is to be removed, the number of shims used at each of its mount-

ing screws should be noted so that the same shim pileup can be replaced when the part is remounted.

(2) The spring tensions given in this specification are indicated values and should be checked with proper spring scales in the position indicated.

Note

When rotating the main shaft of the Automatic Typer by hand, the clutches do not fully disengage upon reaching their stop positions. In order to relieve the drag on the clutches and permit the main shaft to rotate freely, apply pressure on the lug of each clutch disk (figure 7-42) with a screwdriver to cause it to engage its latch lever. This procedure should always be followed prior to placing the Automatic Typer on the Base or Keyboard and switching on the power.

- (3) References made to "Left" or "Right", "Up" or "Down", "Front" or "Rear", etc. apply to the unit in its normal operating position as viewed from the operator's position in front of the unit.
- (4) When the requirement calls for a clutch to be disengaged, the clutch shoe lever must be fully latched between its trip lever and latch lever so that the clutch shoes (figure 7-49) release their tension on the clutch drum. When engaged the clutch shoe lever is unlatched and the clutch shoes are wedged firmly against the clutch drum.
- (5) The Automatic Typer may be safely placed in any one of three positions for servicing: (1) in upright position on its four feet, (2) tilted backward so that it rests on its rear feet and rear points of side frames, (3) bottom upwards so that it rests on two upper points of each side frame.
- (6) Reference made to KEYBOARD means keyboard base or sending and receiving base. Reference to BASE means receiving only base.
- (7) Where instructions call for the removal of parts or subassemblies, refer to Removal and Repair Paragraph 3, Page 7-3.
- b. MANUAL SELECTION OF CHARACTERS OR FUNCTIONS.—To manually operate the Automatic Typer while removed from the Keyboard or Base,, hold the selector magnet armature (figure 7-31) operated by means of an armature clip and rotate the main shaft in a counterclockwise direction (by means of the handwheel listed in table 7-2) to bring all clutches to their positions.

Note

The armature clip is attached to the armature by carefully inserting the flat-formed end of the clip over the top of the armature between

NOTE

IN ORDER TO PERFORM ALL SIGNAL GENERATOR ADJUSTMENTS, IT WILL BE NECESSARY TO REMOVE THE GENERATOR FROM THE KEYBOARD. SEE SECTION 7 PARAGRAPH 3.6(7)

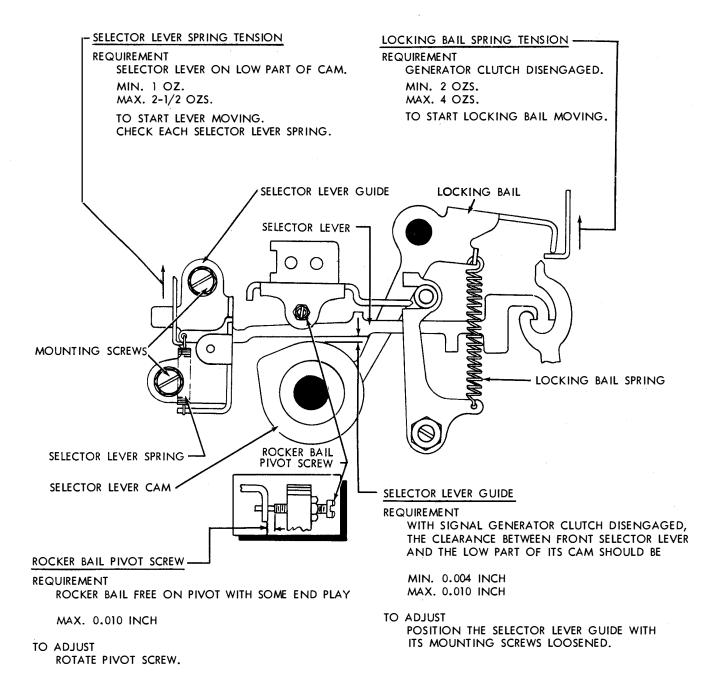
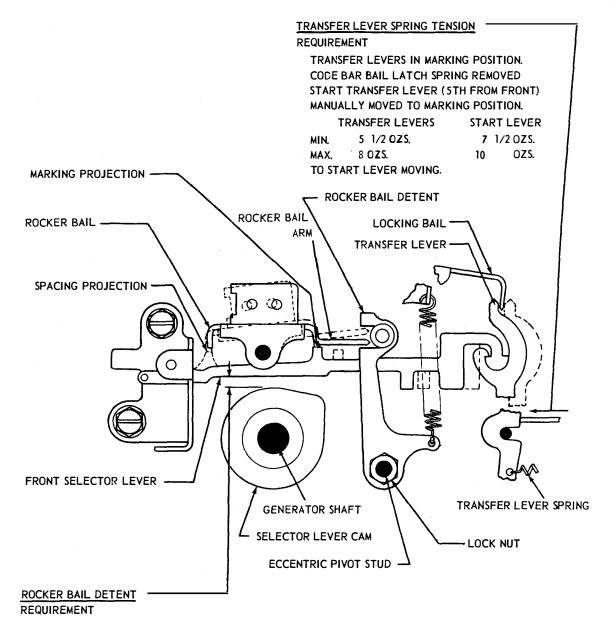


Figure 7-1. Keyboard, Signal Generator, Front View



CLEARANCE BETWEEN THE ROCKER BAIL ARM AND BOTH THE MARKING AND THE SPACING PROJECTIONS OF THE SELECTOR LEVERS SHOULD BE EQUAL WITHIN 0.005 INCH.

TO CHECK

ROTATE THE CAM SLEEVE UNTIL THE FRONT SELECTOR LEVER HAS COME DOWN OFF THE PEAK OF ITS CAM AND ISOPPOSITE THE LOW PART OF ITS CAM. WITH THE FRONT SELECTOR LEVER IN THE MARKING (LEFT) POSITION, AND THE ROCKER BAIL ARM AGAINST THE LOWER STOP OF ITS DETENT, HOLD THE SELECTOR LEVER LIGHTLY UP AGAINST THE ROCKER BAIL AND GAUGE THE CLEARANCE BETWEEN THE SELECTOR LEVER AND THE CAM. SHIFT THE ROCKER BAIL ARM AGAINST THE UPPER STOP OF ITS DETENT AND HOLD FRONT SELECTOR LEVER TO THE RIGHT AND UP SO THAT THE SPACING PROJECTION TOUCHES THE ROCKER BAIL. GAUGE THE CLEARANCE BETWEEN THE SELECTOR LEVER AND THE CAM. THESE TWO CLEARANCES SHOULD BE EQUAL WITHIN 0.005 INCH.

TO ADJUST

EQUALIZE CLEARANCES BY ROTATING THE ECCENTRIC PIVOT STUD OF THE DETENT WITH ITS LOCK NUT LOOSENED. KEEP THE HIGH PART OF THE ECCENTRIC TOWARD THE GENERATOR SHAFT.

Figure 7-2. Keyboard, Signal Generator, Front View

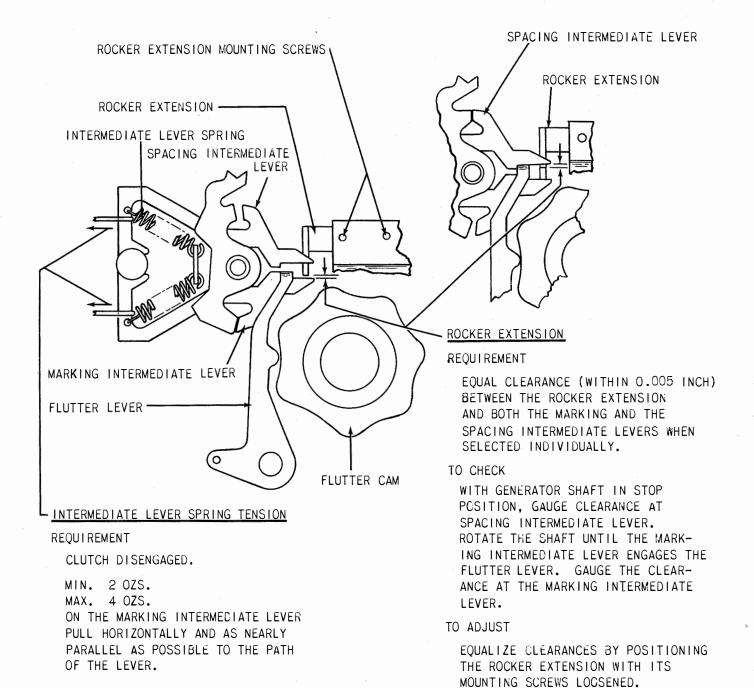
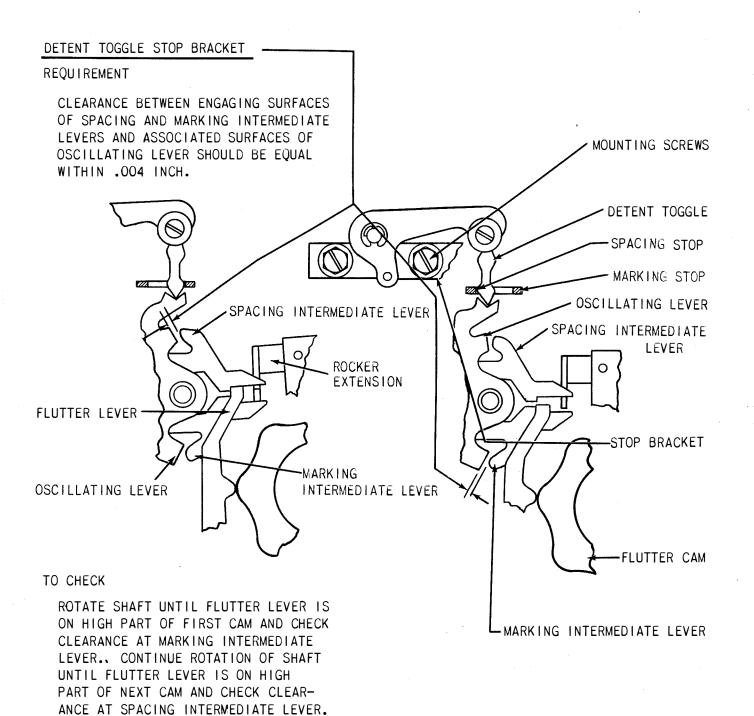


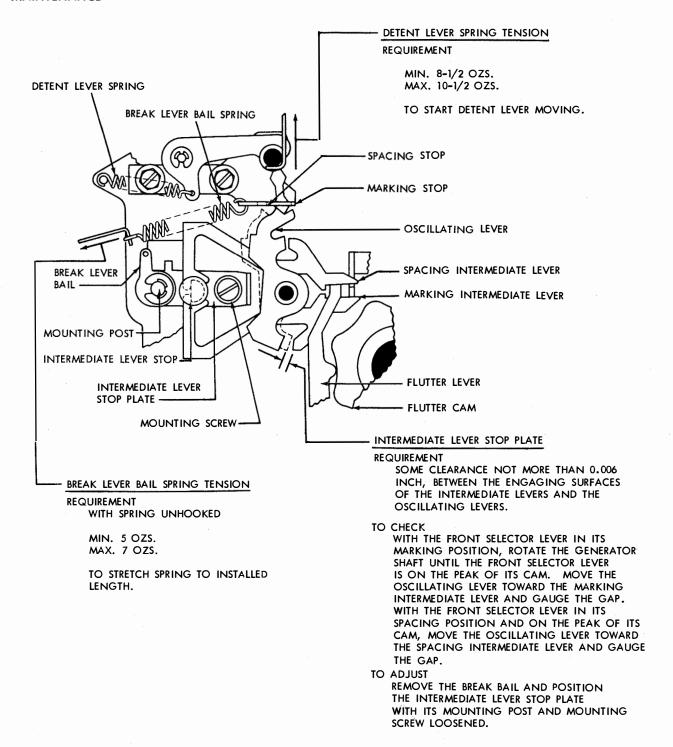
Figure 7-3. Keyboard, Signal Generator, Rear View



TO ADJUST

EQUALIZE THE CLEARANCES BY POSITIONING THE STOP BRACKET WITH ITS MOUNTING SCREWS LOOSENED.

Figure 7-4. Keyboard, Signal Generator, Rear View



NOTE: REPLACE THE BREAK BAIL AND ITS SPRING.

Figure 7-5. Keyboard, Signal Generator, Rear View

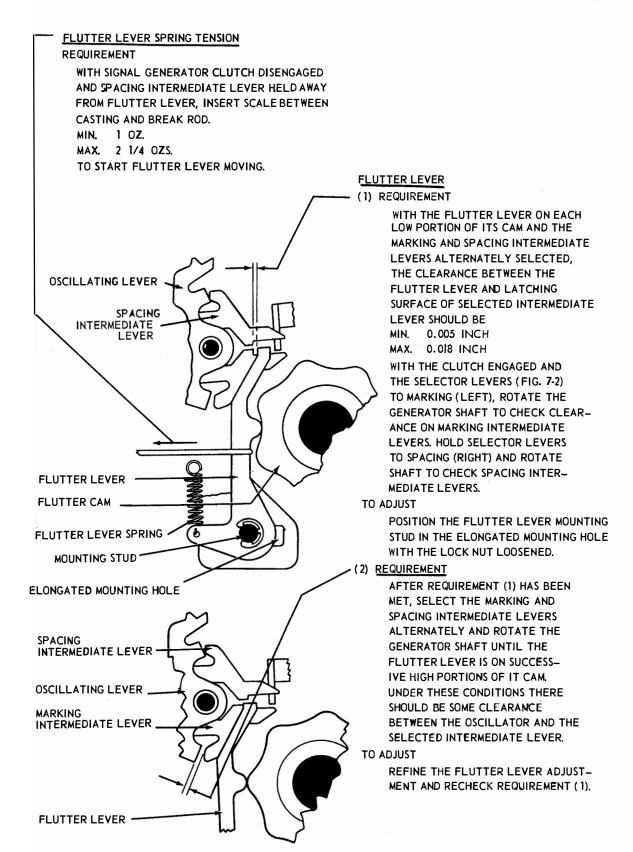
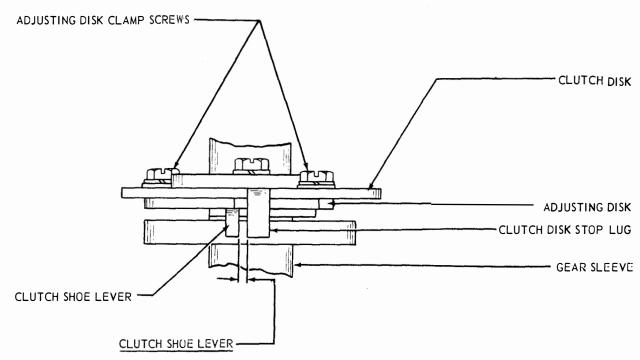


Figure 7-6. Keyboard, Signal Generator, Rear View

FOR CLUTCH SHOE LEVER SPRING TENSION AND CLUTCH SHOE SPRING TENSION SEE FIGURE 7-49



REQUIREMENT

CLEARANCE WHEN CLUTCH IS DISENGAGED SHOULD BE 0.055 INCH TO 0.075 INCH LESS THAN WHEN CLUTCH IS ENGAGED.

TO CHECK

LATCH CLUTCH IN DISENGAGED POSITION AND MEASURE CLEARANCE. ROTATE GEAR UNTIL OIL HOLE IS UPWARD. ENGAGE CLUTCH AND MEASURE CLEARANCE.

TO ADJUST

LOOSEN THE TWO ADJUSTING DISK CLAMP SCREWS TO POSITION DISK.

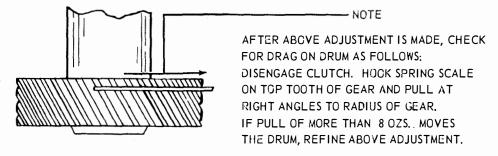


Figure 7-7. Keyboard, Clutch Mechanism, Top View

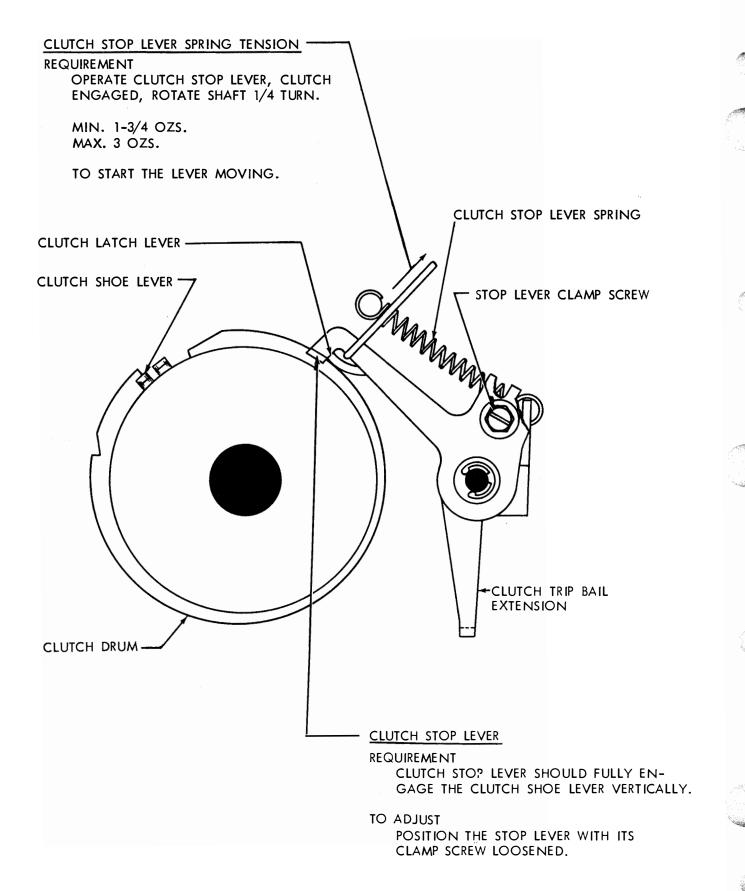
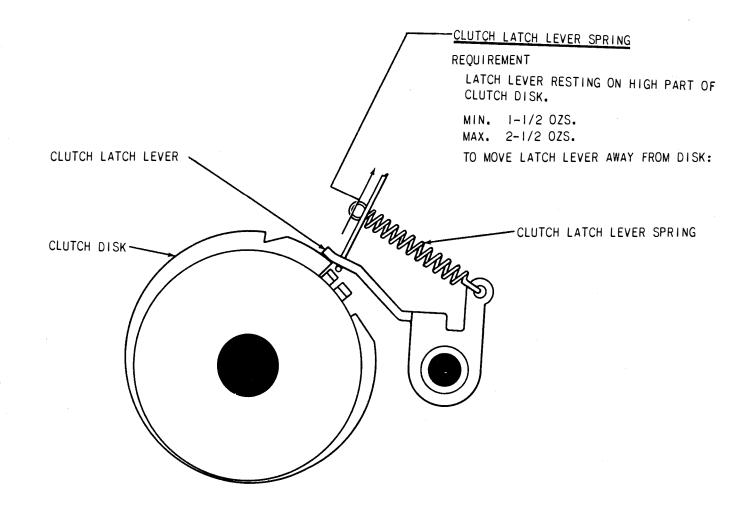


Figure 7-8. Keyboard, Clutch Mechanism



NOTE

REPLACE SIGNAL GENERATOR ON THE KEYBOARD. MAKE CERTAIN THAT THE CODE BAR BAIL LATCH LEVER (FIG. 7-11) IS UNDER THE CODE LEVER BAIL LATCH LEVER (FIG. 7-13), THAT THE BREAK KEY ROD (ATTACHED TO BREAK BAIL FIG. 7.5) IS IN ITS GUIDE HOLE IN THE CODE LEVER GUIDE, AND THAT THE CLUTCH TRIP BAIL EXTENSION (FIG. 7-8) IS IN THE NOTCH PROVIDED IN THE UNIVERSAL (REAR) CODE BAR.

Figure 7-9. Keyboard, Clutch Mechanism

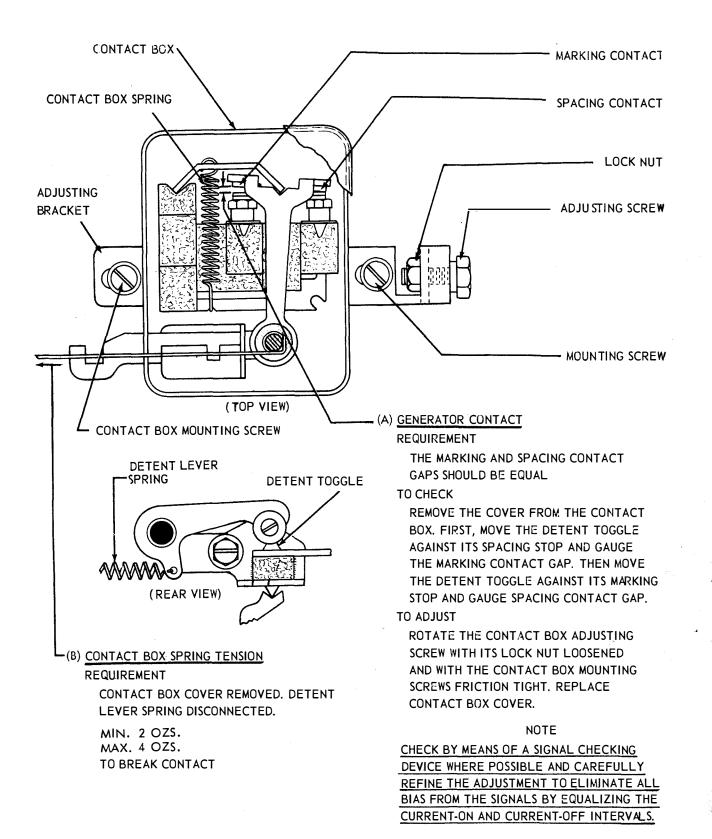


Figure 7-10. Keyboard, Contact Assembly

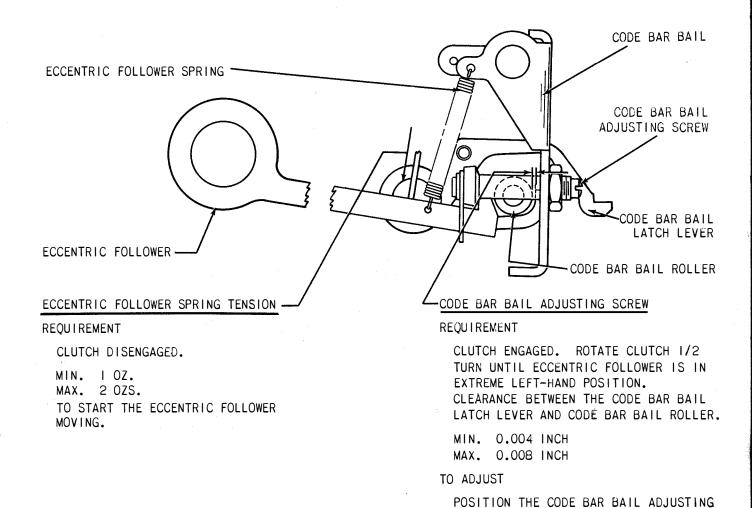


Figure 7-11. Keyboard, Code Bar Bail Mechanism

SCREW WITH ITS LOCK NUT LOOSENED.

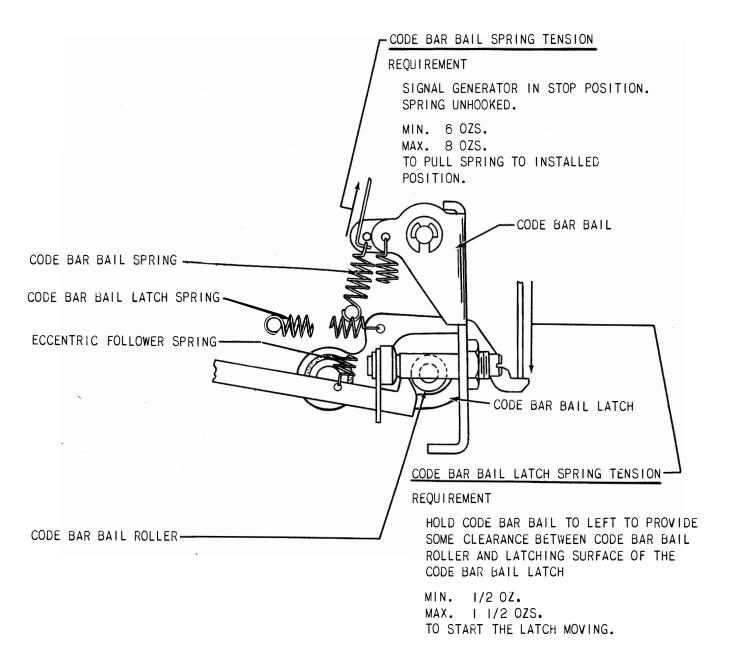


Figure 7-12. Keyboard, Code Bar Bail and Repeat Slide

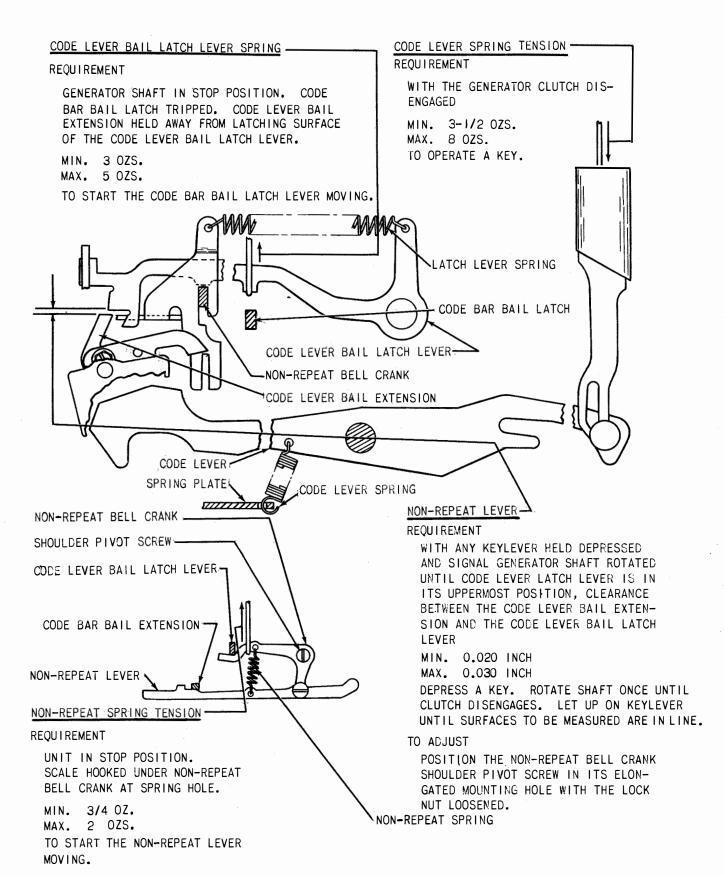


Figure 7-13. Keyboard, Non-Repeat Mechanism

CODE LEVER BAIL NON-REPEAT EXTENSION -

REQUIREMENT

GENERATOR CLUTCH DISENGAGED. CODE
LEVER BAIL ROTATED UNTIL CODE LEVER BAIL
LATCH LEVER JUST TRIPS. BAIL LATCHING EXTENSION
RESTING AGAINST VERTICAL SURFACE OF LATCH LEVER.
NON-REPEAT LEVER FULLY LATCHED ON CODE LEVER
BAIL EXTENSION. SOME CLEARANCE
MAX. 0.008 INCH

BETWEEN THE ADJUSTABLE EXTENSION AND THE NON-REPEAT LEVER.

TO ADJUST

POSITION THE ADJUSTABLE EXTENSION WITH ITS CLAMP SCREWS LOOSENED.

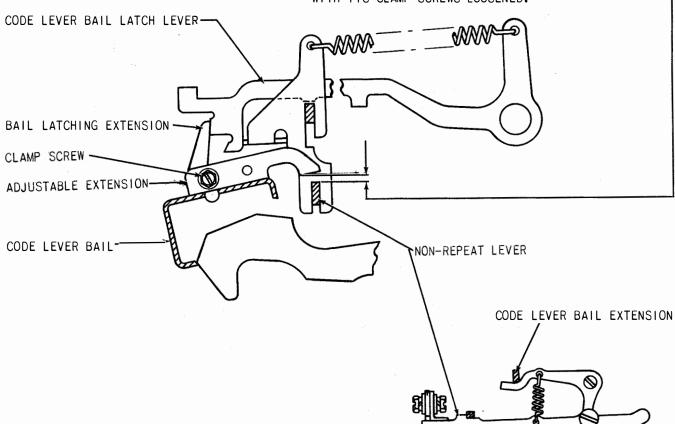


Figure 7-14. Keyboard, Non-Repeat Mechanism

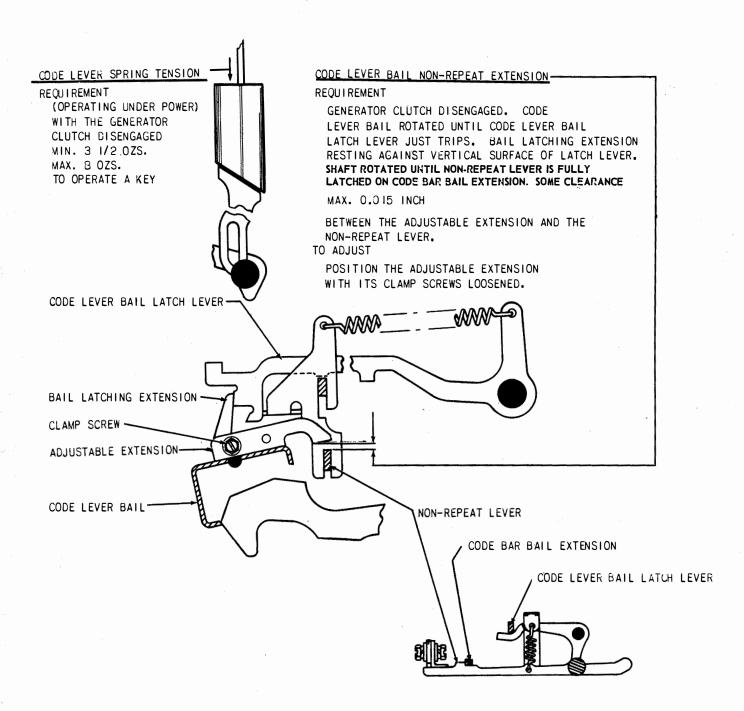


Figure 7-15. Keyboard, Non-Repeat Mechanism, Left Side View

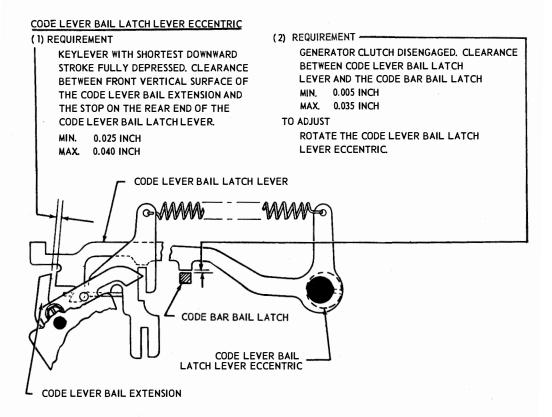


Figure 7-16. Keyboard, Code Lever Bail Latch Mechanism, Left Side View

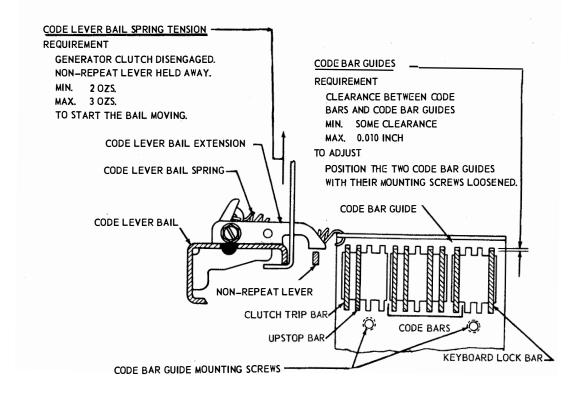


Figure 7-17. Keyboard, Code Bar Mechanism, Left Side View

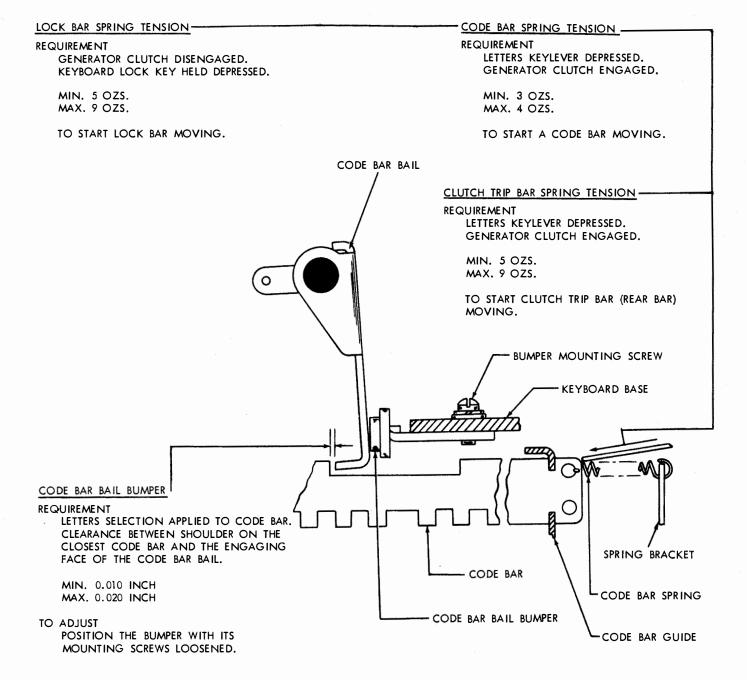


Figure 7-18. Keyboard, Code Bar Mechanism

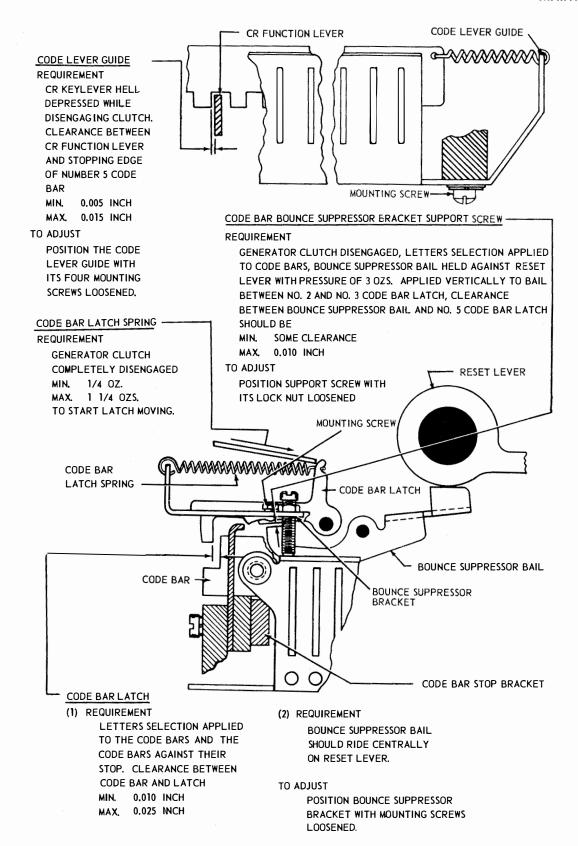
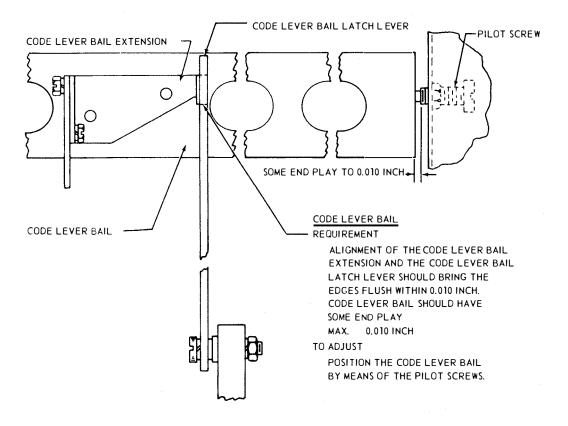


Figure 7-19. Keyboard, Code Bar Mechanism, Front View



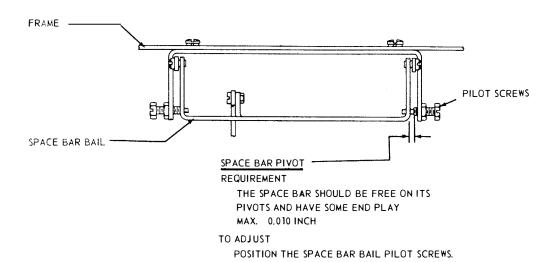


Figure 7-21. Keyboard, Space Bar

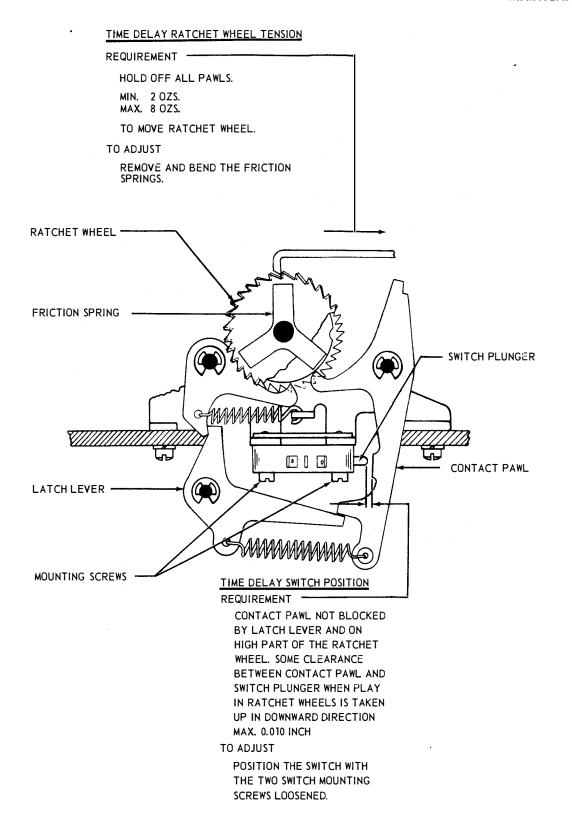


Figure 7-22. Keyboard or Base, Time Delay Mechanism

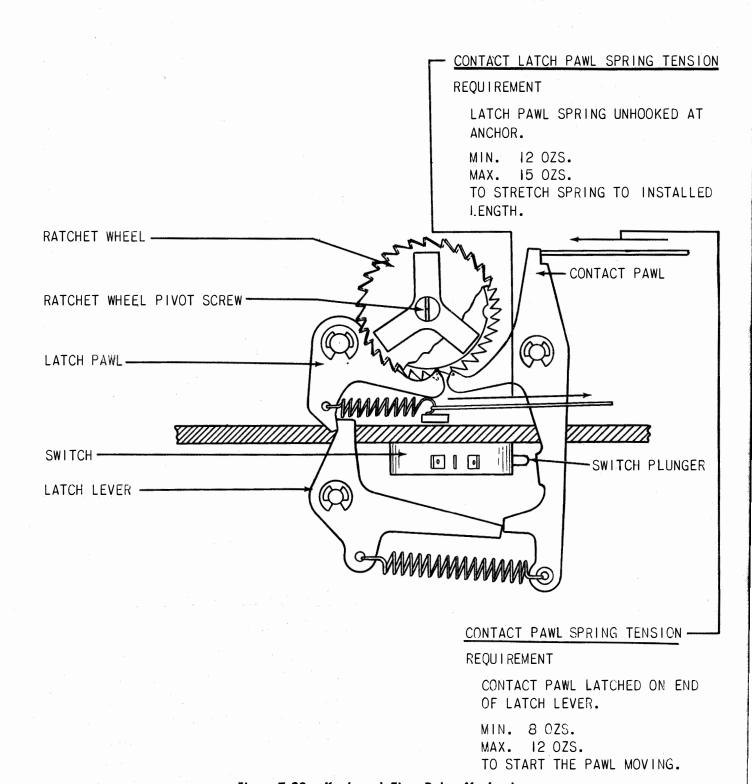


Figure 7-23. Keyboard, Time Delay Mechanism

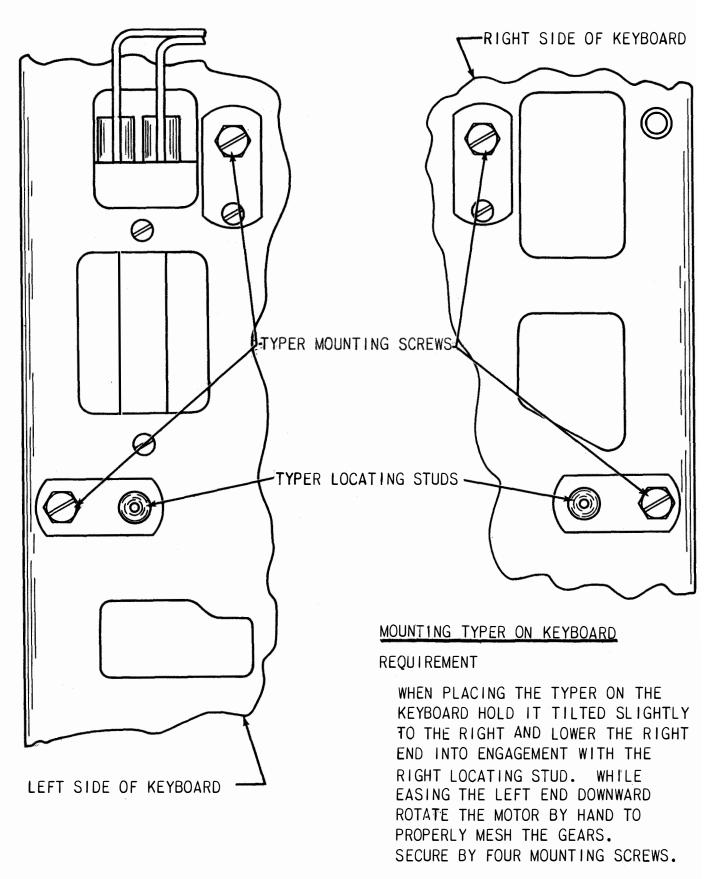


Figure 7-24. Mounting Typer on Keyboard

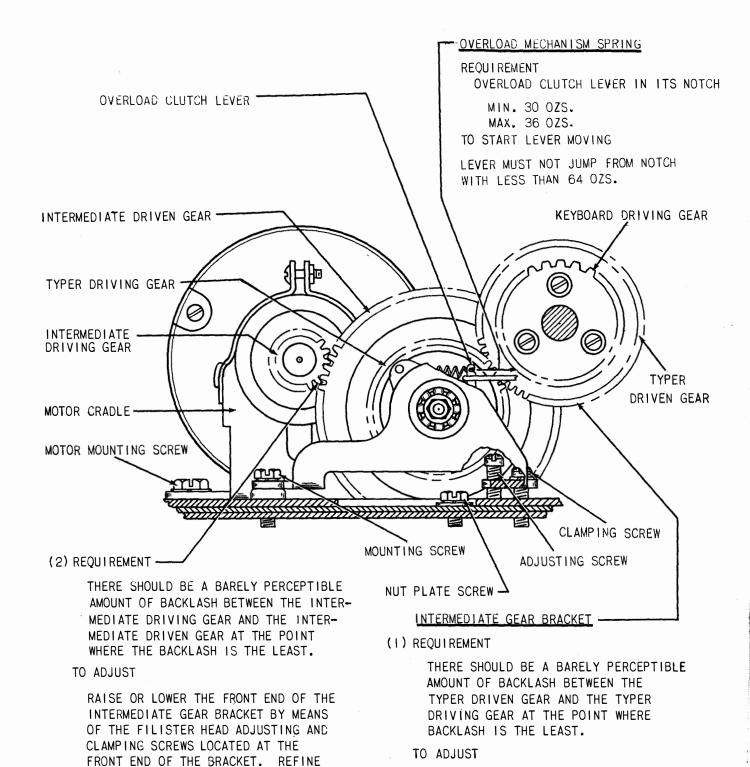


Figure 7-25. Keyboard and Motor Gearing

REQUIREMENT (I) IF NECESSARY.

POSITION THE COMPLETE INTERMEDIATE

UTILIZING THE ADJUSTING SLOTS WITH THE THREE HEXAGON HEAD SCREWS

LOOSENED. ALIGN GEARS AT THIS TIME.

GEAR MECHANISM BRACKET BY

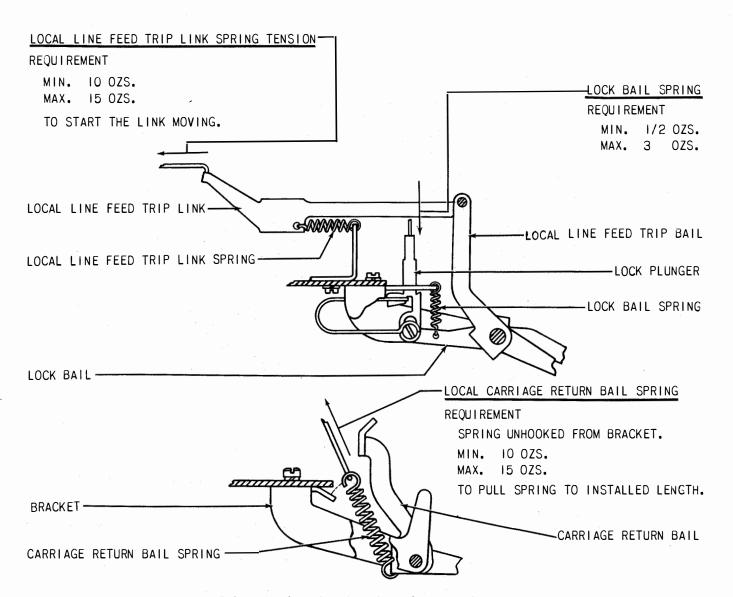


Figure 7-26. Keyboard Lock and Local Line Feed Mechanism

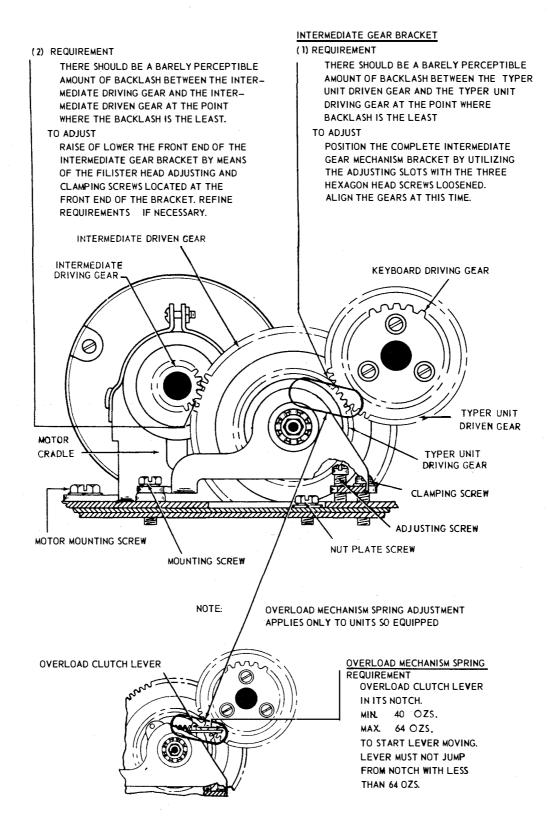
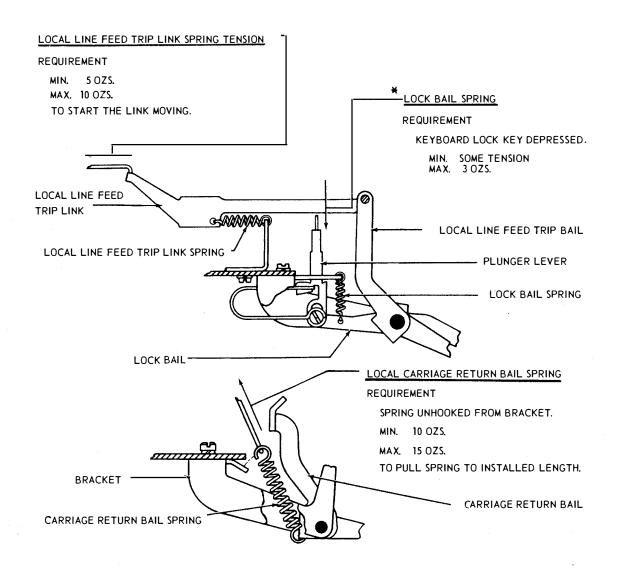
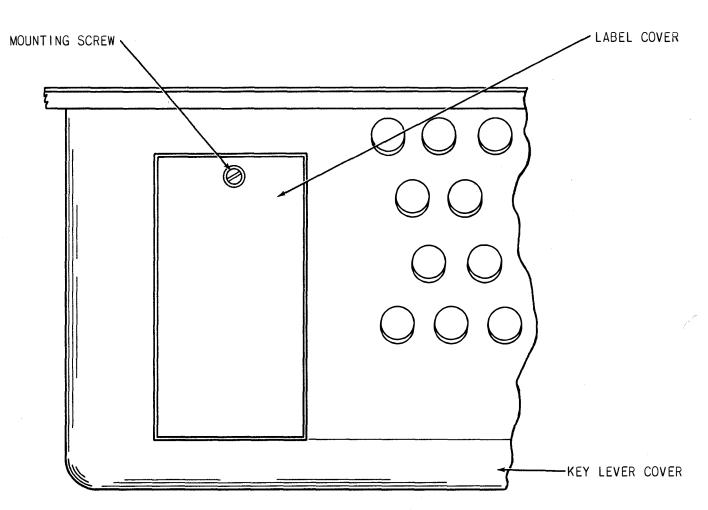


Figure 7-27. Keyboard or Base, Motor, and Automatic Typer Gearing, Left Side View



* APPLIES TO KEYBOARD ONLY

Figure 7-28. Keyboard Lock, Local Line Feed, and Carriage Return Mechanism, Left Side View



LABEL COVER (PLASTIC COVER)

REQUIREMENT

THE PLASTIC COVER SHOULD BE FULLY SEATED IN POSITION BEFORE TIGHTEN-ING THE MOUNTING SCREW.

TO ADJUST

POSITION THE LABEL COVER WITH THE MOUNTING SCREW LOOSENED.

Figure 7-29. Keyboard, Label Cover, Plastic Window

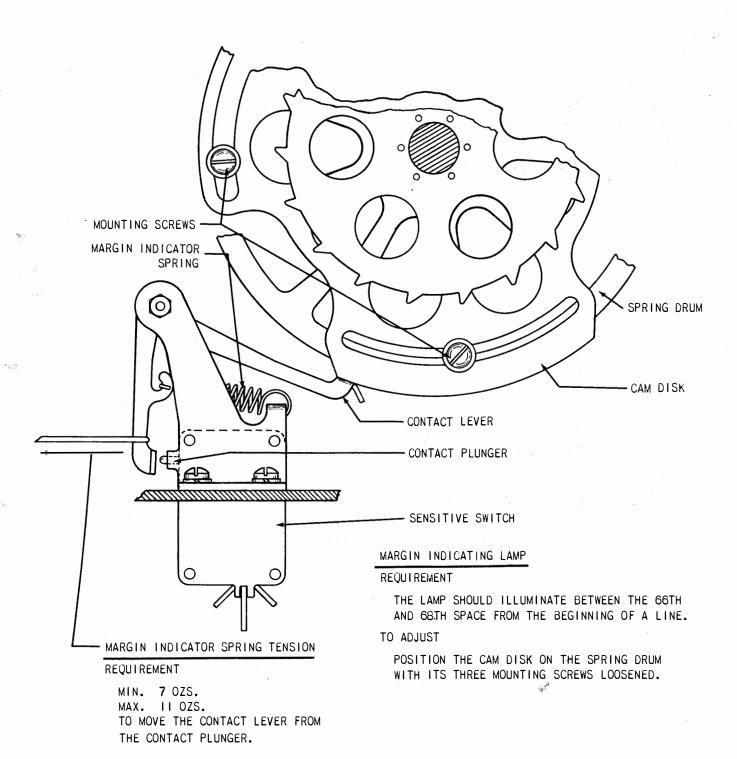


Figure 7-30. Keyboard, Margin Indicating Mechanism

Note

The following standard Keyboard adjustments constitute the adjustment for the Base.

d. BASE.

- (1) ADJUSTMENTS.
 - (a) Intermediate Gear Bracket, figure 7-27.
- ~(b) Mounting Typer Unit on Base, figure 7-26.
- (c) Time Delay Disabling Device, figure 7-25.
- (d) Time Delay Mechanism Position, figure 7-24.
- (e) Time Delay Switch Position, figure 7-22.
- (2) SPRING TENSIONS.
 - (a) Contact Latch Pawl, figure 7-23.
 - (b) Contact Pawl, figure 7-23.
 - (c) Local Carriage Return Bail, figure 7-28.
 - (d) Local Line Feed Trip Link, figure 7-28.
 - (e) Overload Mechanism, figure 7-27, if equipped.
 - (f) Time Delay Ratchet Wheel, figure 7-22.
- e. AUTOMATIC TYPER.

Note

When making a complete adjustment of the Automatic Typer, the following conditioning operations should be performed to prevent damage to the unit.

- (1) Loosen the shift lever drive arm clamp screw, (figure 7-40).
- (2) Move the right and left vertical positioning lever eccentric studs—(figures 7-53, 7-54) in the rocker shaft brackets to their lowest position.
- (3) Loosen the two bearing stud mounting screws and the two connecting strip clamp screws in the horizontal positioning drive linkage (figure 7-60).
- (4) Loosen the clamp screws and move the reversing slide brackets to their uppermost position (figure 7-59).
- (5) Loosen the function reset bail blade mounting screws (figure 7-58).
- (6) Loosen the shoulder bushings on each function stripper blade arms and move the stripper blade arms to their lowest position (figure 7-78-.
- (7) Loosen the carriage return lever clamp screw figure 7-65.

NOTE 1

TO FACILITATE MAKING THE FOLLOWING ADJUSTMENTS, REMOVE THE SELECTOR MAGNET ASSEMBLY AND RANGE FINDER ASSEMBLY. TO INSURE BETTER OPERATION, PULL A PIECE OF PAPER BETWEEN THE ARMATURE AND THE POLE PIECES TO REMOVE ANY OIL OR FOREIGN MATTER THAT MAY BE PRESENT. MAKE CERTAIN THAT NO LINT OR PIECES OF PAPER REMAIN BETWEEN THE POLE PIECES AND ARMATURE. SEE PARAGRAPH 3. a. (14)

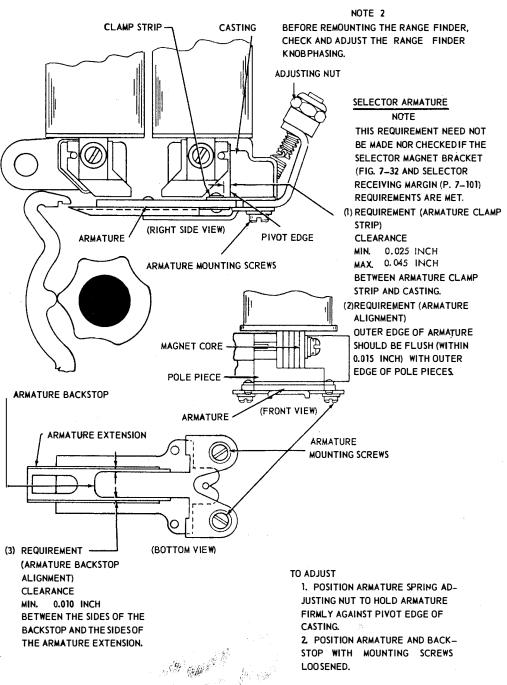
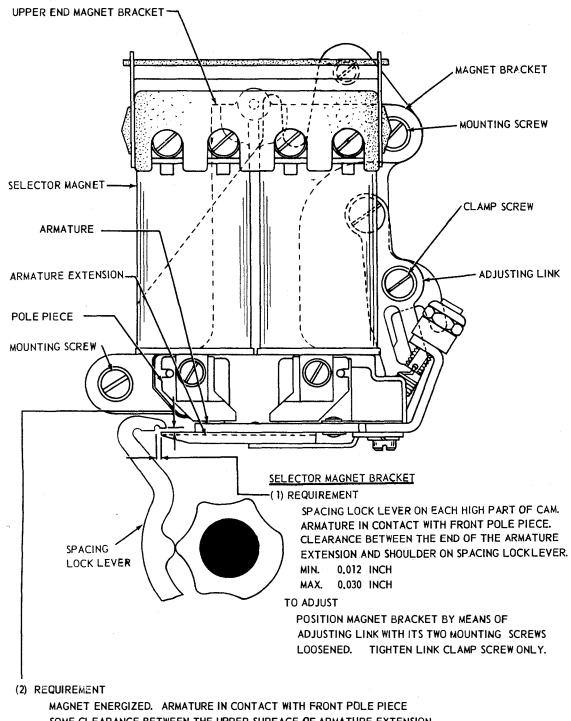


Figure 7-31. Automatic Typer Selector Magnet



MAGNET ENERGIZED. ARMATURE IN CONTACT WITH FRONT POLE PIECE SOME CLEARANCE BETWEEN THE UPPER SURFACE OF ARMATURE EXTENSION AND LOWER SURFACE OF THE SPACING LOCK LEVER. WHEN LOCK LEVER IS HELD DOWNWARD.

MAX. 0.003 INCH

TO ADJUST

POSITION UPPER END OF MAGNET BRACKET WITH MOUNTING SCREWS LOOSENED RECHECK REQUIREMENT (1)

Figure 7-32. Automatic Typer, Selector Magnet, Right Side View

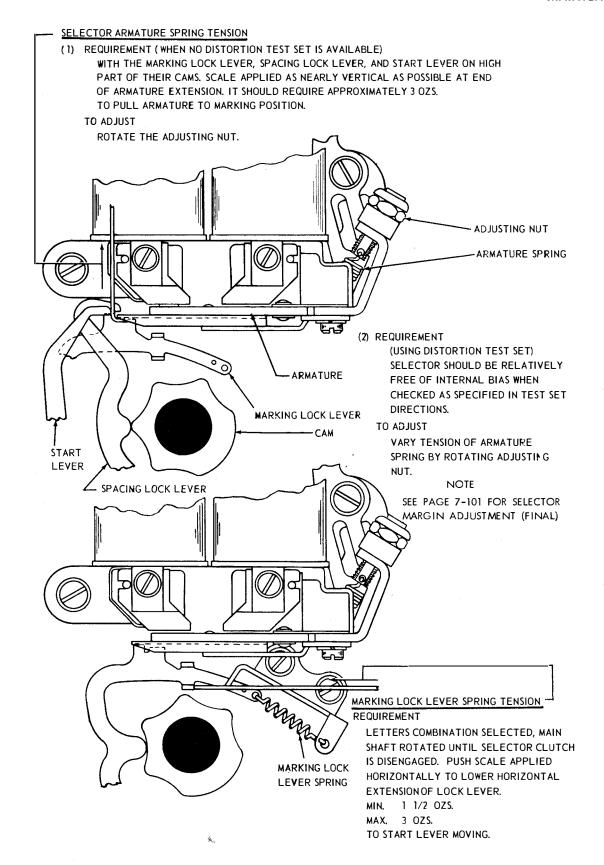


Figure 7-33. Automatic Typer, Selector Mechanism, Right Side View

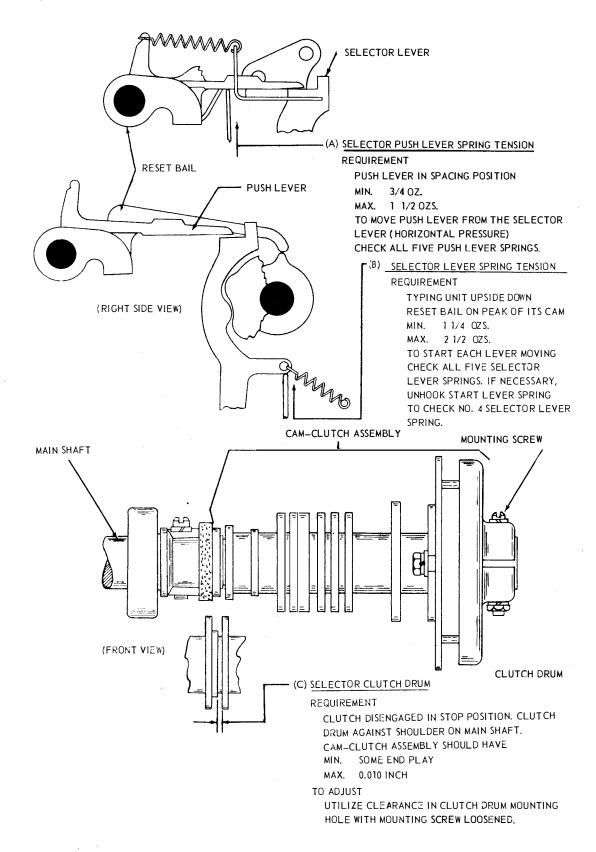


Figure 7-34. Automatic Typer, Selector Cam Clutch

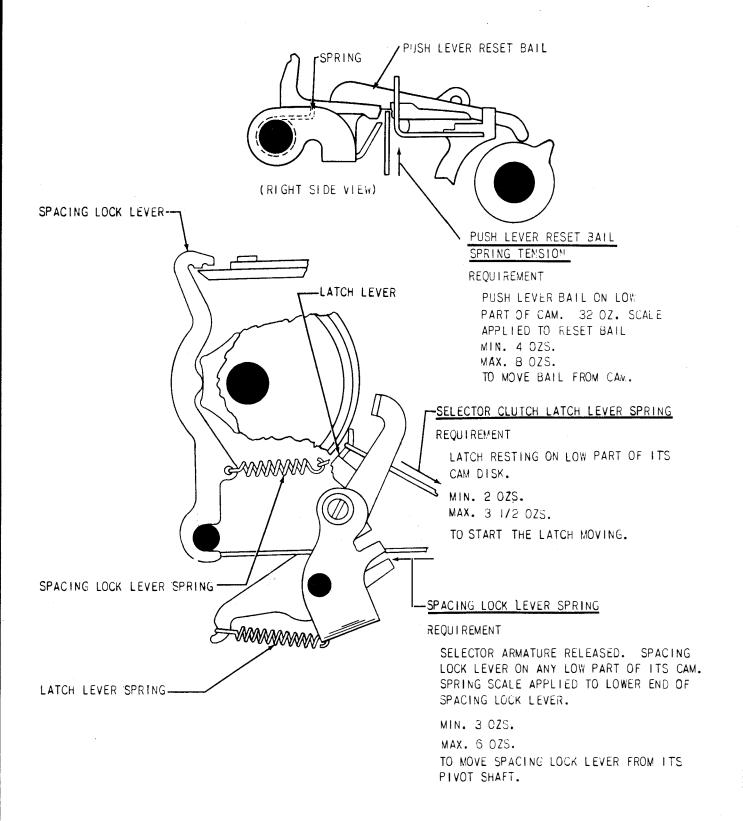


Figure 7-35. Automatic Typer, Selector Clutch Mechanism, Right Side View

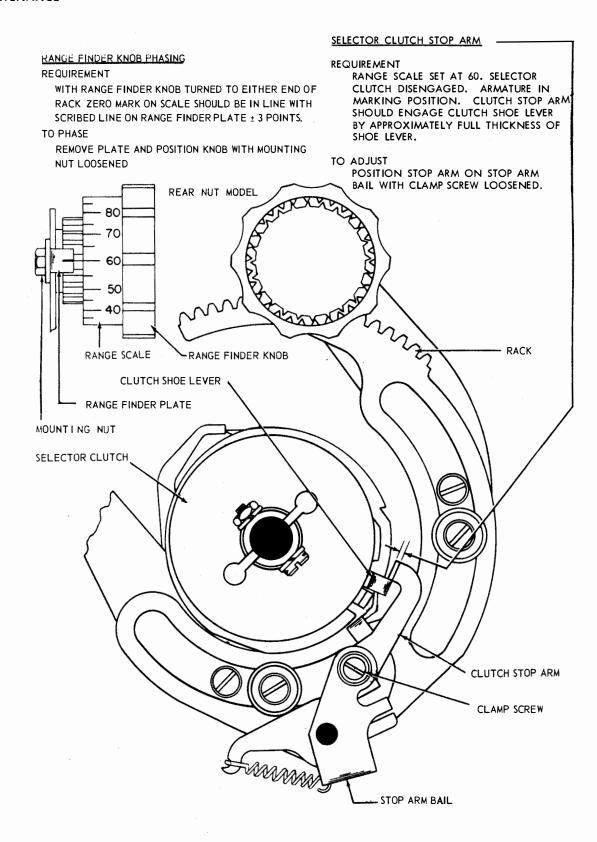


Figure 7-36. Automatic Typer, Range Finder Mechanism, Right Side View

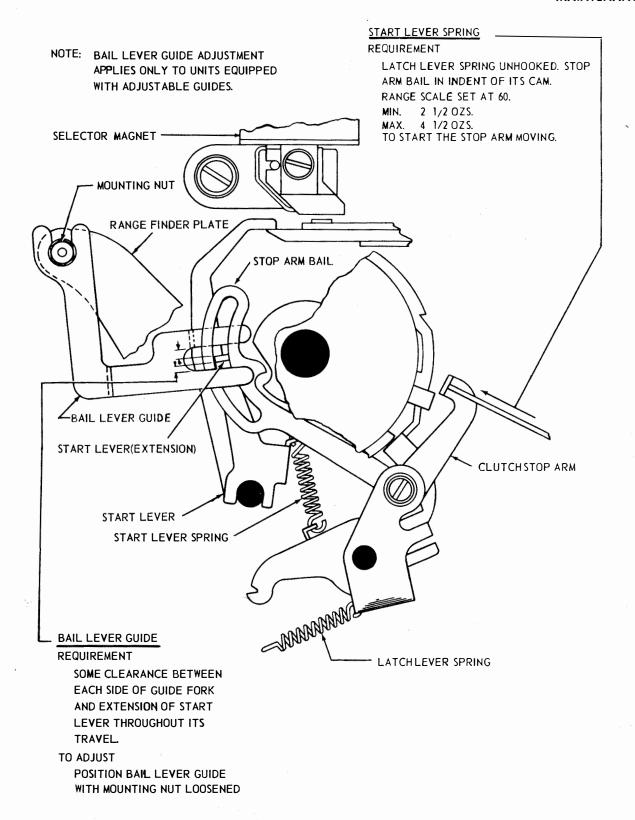


Figure 7-37. Automatic Typer, Selector Clutch Mechanism, Right Side View

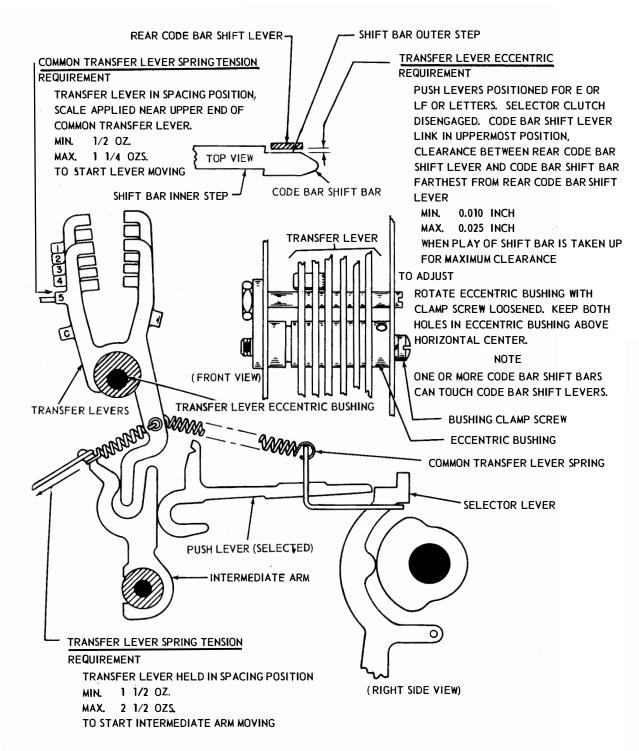


Figure 7-38. Automatic Typer, Code Bar Shift Mechanism

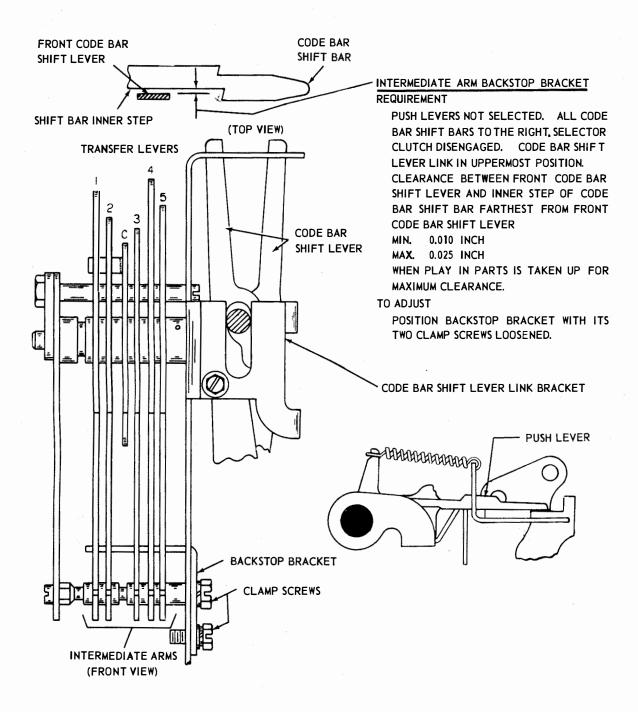


Figure 7-39. Automatic Typer, Code Bar Shift Mechanism

RANGE FINDER KNOB PHASING

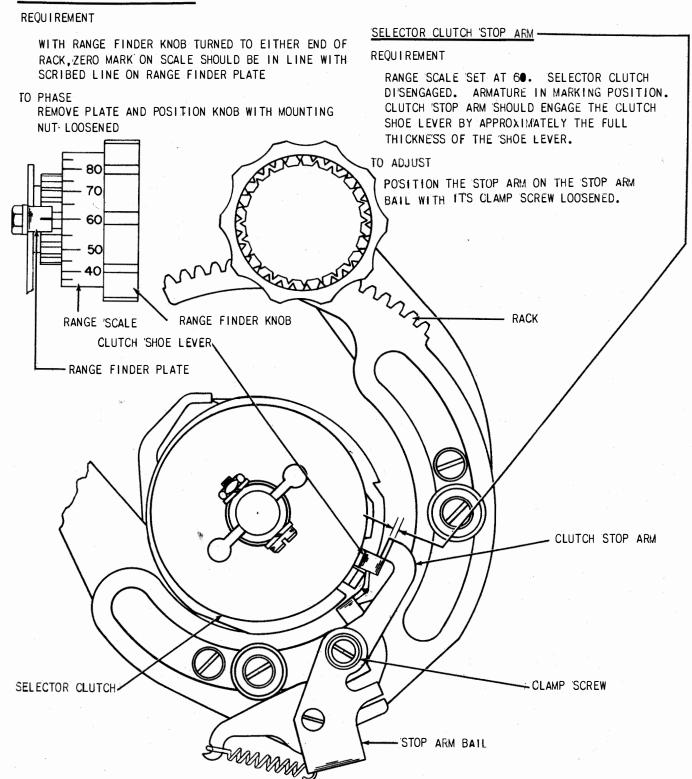


Figure 7-41. Automatic Typer, Range Finder Mechanism

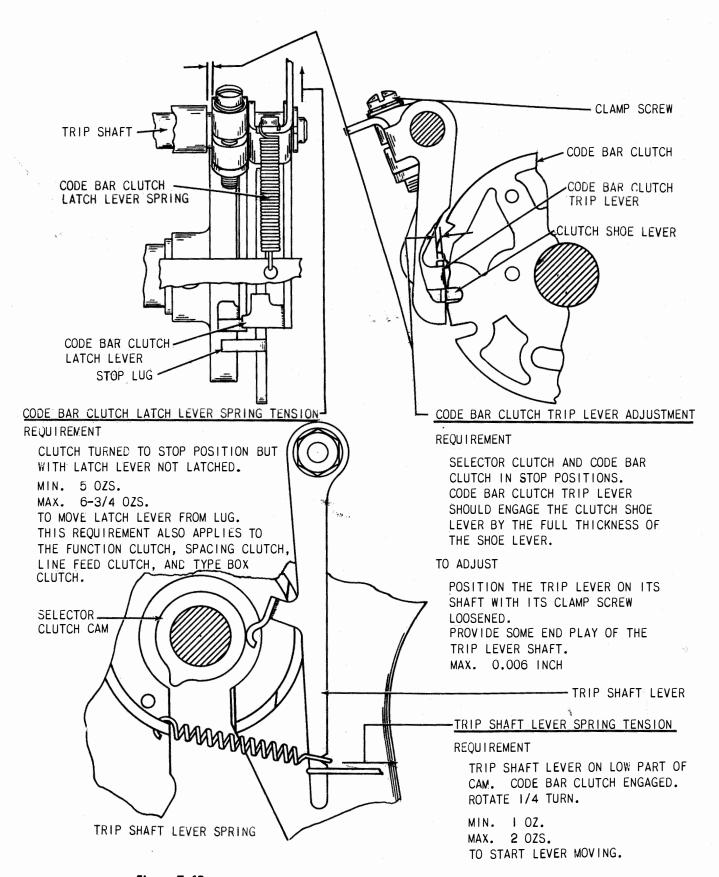


Figure 7-42. Automatic Typer, Code Bar Clutch Trip Shaft Mechanism

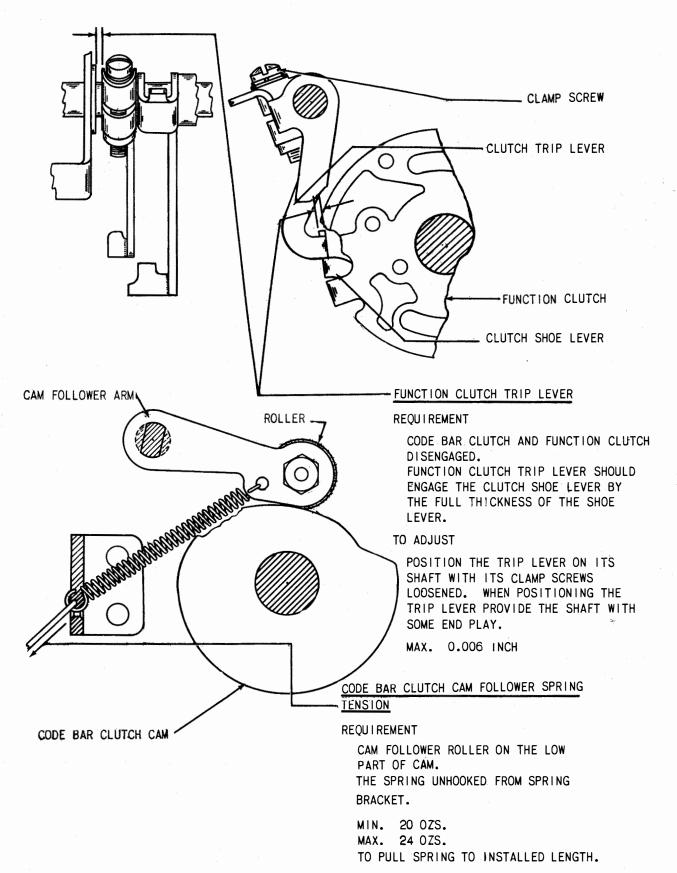


Figure 7-43. Automatic Typer, Function Clutch Mechanism

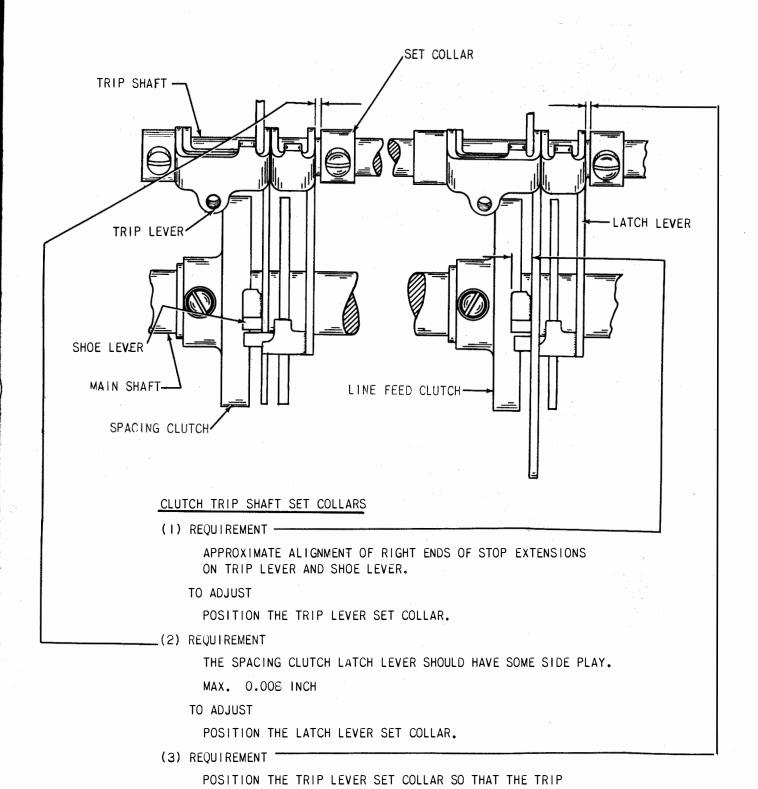


Figure 7-44. Automatic Typer, Trip Shaft Mechanism

LEVER HAS SOME PLAY.
MAX. 0.008 INCH

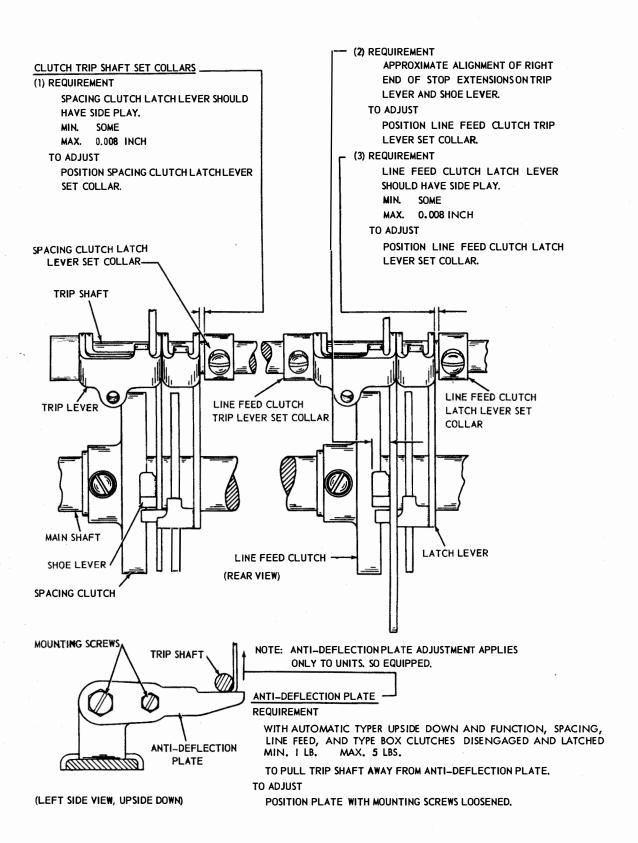
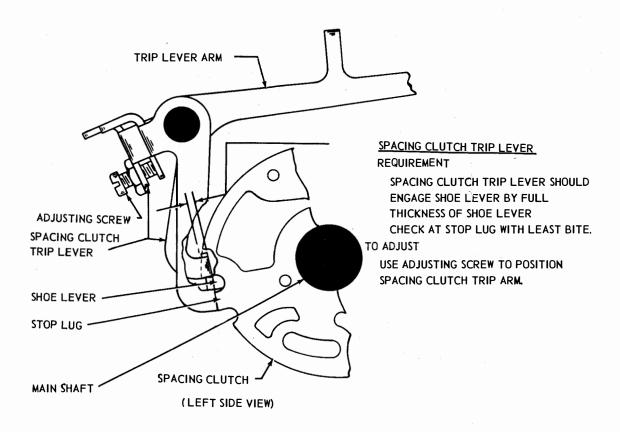


Figure 7-44. Automatic Typer, Trip Latch Mechanism, Rear View



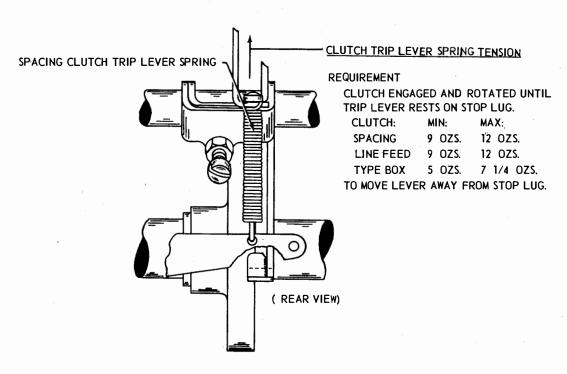


Figure 7-45. Automatic Typer, Spacing Clutch Mechanism

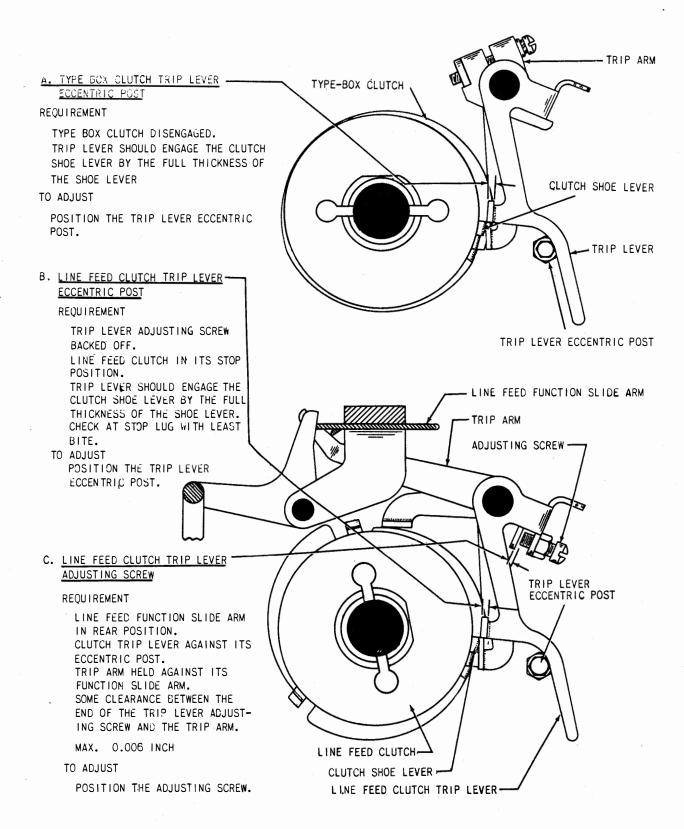


Figure 7-46. Automatic Typer, Type Box Clutch and Line Feed Clutch Mechanism

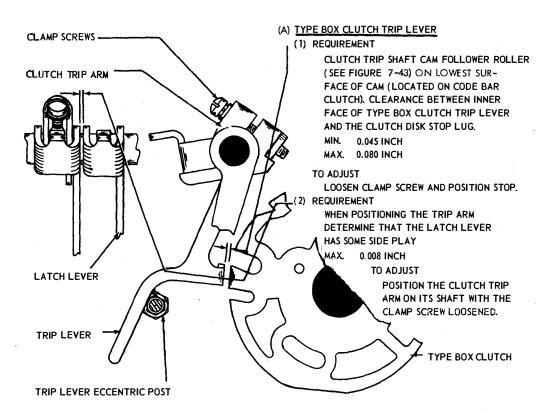
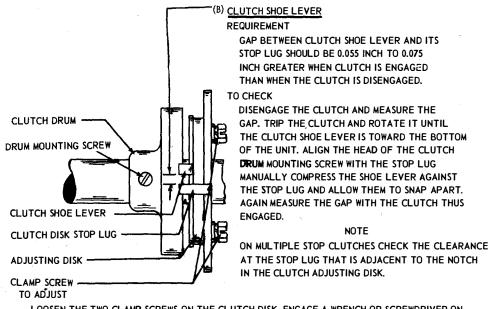


Figure 7-47. Automatic Typer, Type Box Clutch Mechanism



LOOSEN THE TWO CLAMP.SCREWS ON THE CLUTCH DISK, ENGAGE A WRENCH OR SCREWDRIVER ON THE LUG OF THE ADJUSTING DISK AND ROTATE THE DISK.

NOTE

AFTER THE ABOVE ADJUSTMENT IS MADE, DISENGAGE THE CLUTCH, REMOVE THE DRUM MOUNTING SCREW AND ROTATE THE DRUM IN ITS NORMAL DIRECTION OF ROTATION TO MAKE CERTAIN THAT IT DOES NOT DRAG ON THE SHOE. IF THE DRUM DRAGS, REFINE THE ABOVE ADJUSTMENT

Figure 7-48. Automatic Typer, Clutch Shoe Mechanism (All Clutches)

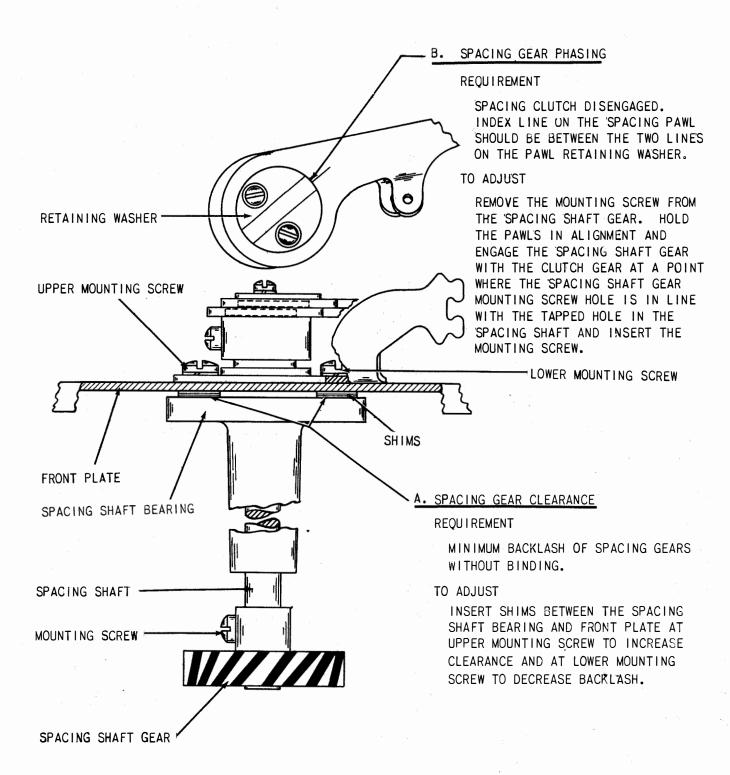


Figure 7-50. Automatic Typer, Spacing Mechanism

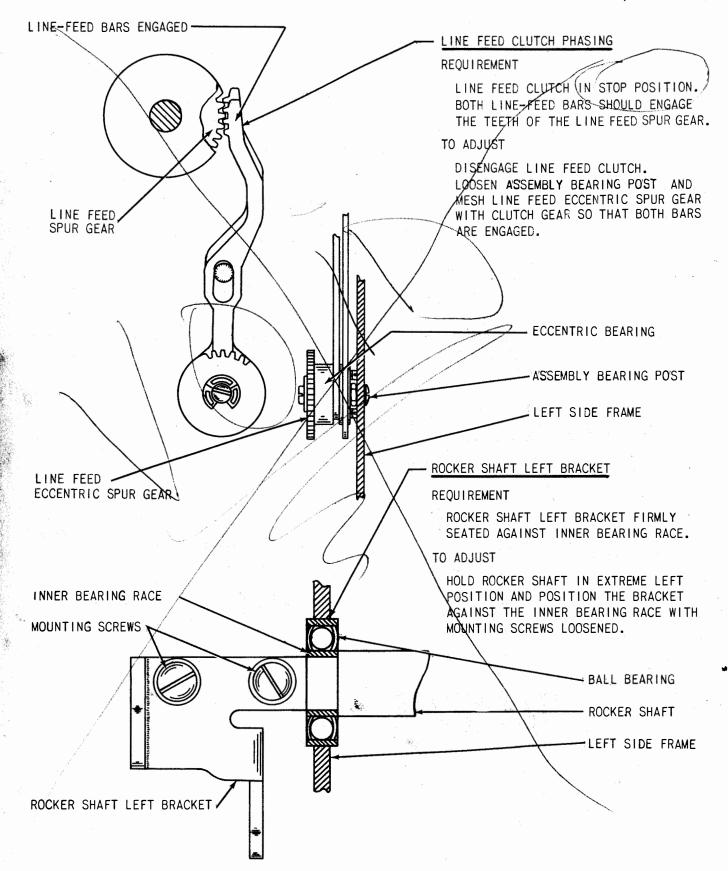


Figure 7-51. Automatic Typer, Line Feed and Rocker Shaft Mechanism

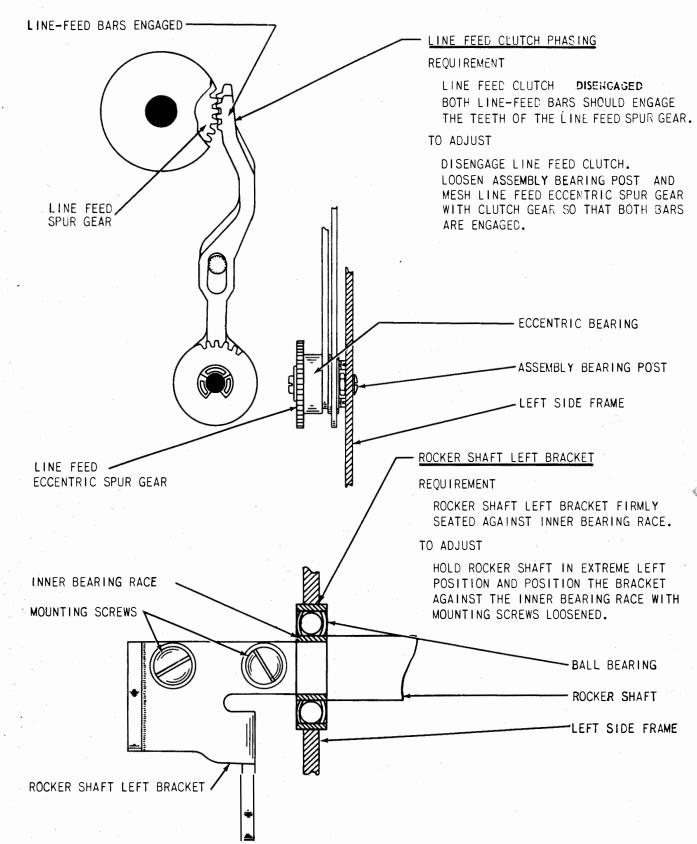


Figure 7-51. Automatic Typer, Line Feed and Rocker Shaft Mechanism

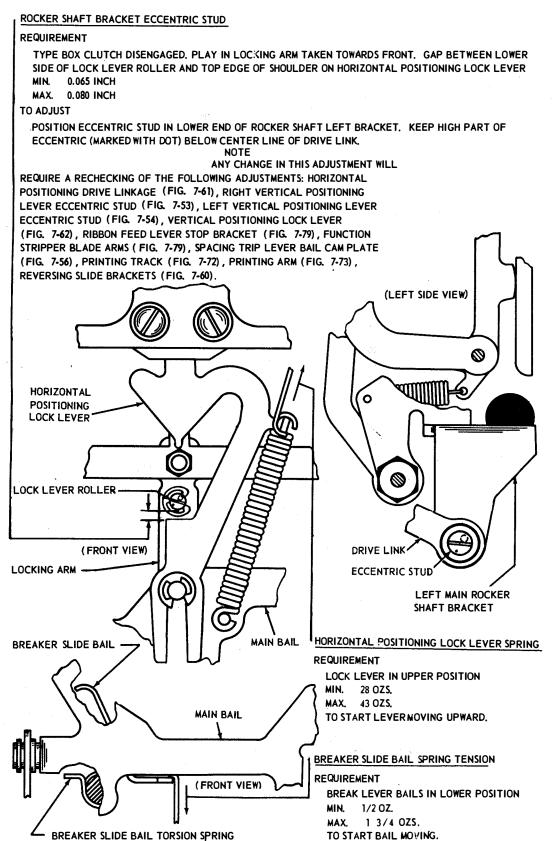


Figure 7-52. Automatic Typer, Shift and Positioning Mechanism

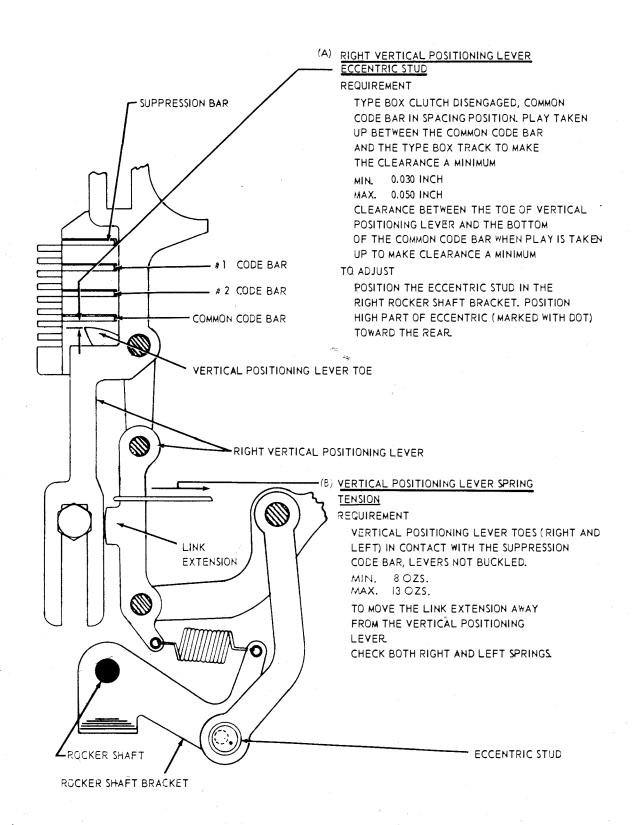


Figure 7-53. Automatic Typer, Vertical Positioning Mechanism, Right Side.

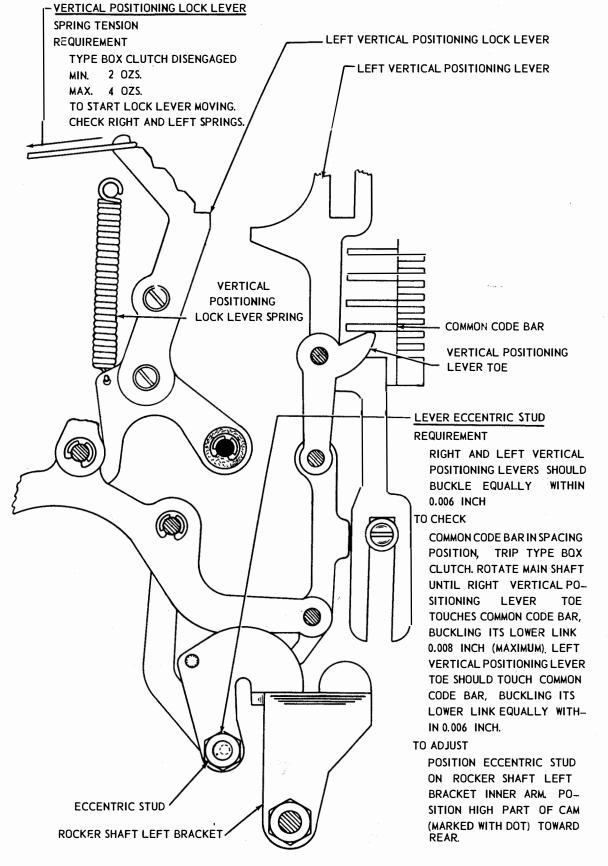


Figure 7-54. Automatic Typer, Vertical Positioning Mechanism, Left Side

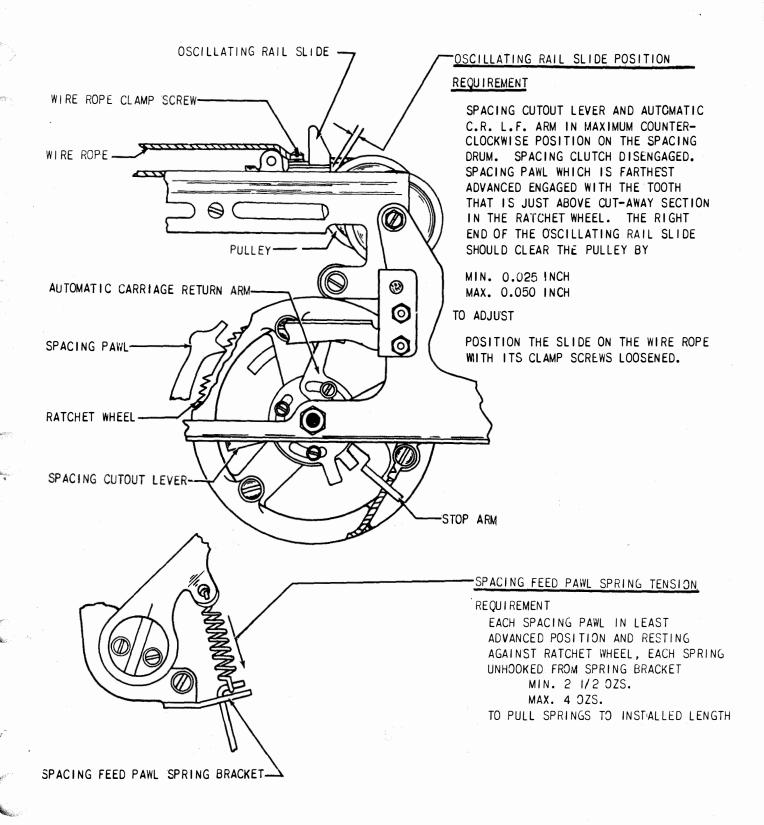


Figure 7-55. Automatic Typer, Spacing Mechanism

(A) SPACING TRIP LEVER BAIL CAM PLATE

REQUIREMENT

SPACING TRIP LEVER ARM IN UPWARD POSITION. TYPE BOX CLUTCH ROTATED THROUGH APPROXIMATELY ONE—HALF OF ITS CYCLE. ALL FUNCTION PAWLS DISENGAGED FROM FUNCTION BAR. CLEARANCE BETWEEN TOP SURFACE OF TRIP LEVER ARM EXTENSION AND SPACING TRIP LEVER SHOULDER.

MIN. 0.010 INCH MAX. 0.040 INCH

TO ADJUST

POSITION CAM PLATE ON ROCKER SHAFT WITH MOUNTING SCREYS

LOOSENED. POSITION FORWARD EDGE OF CAM PLATE PARALLEL TO SHAFT.

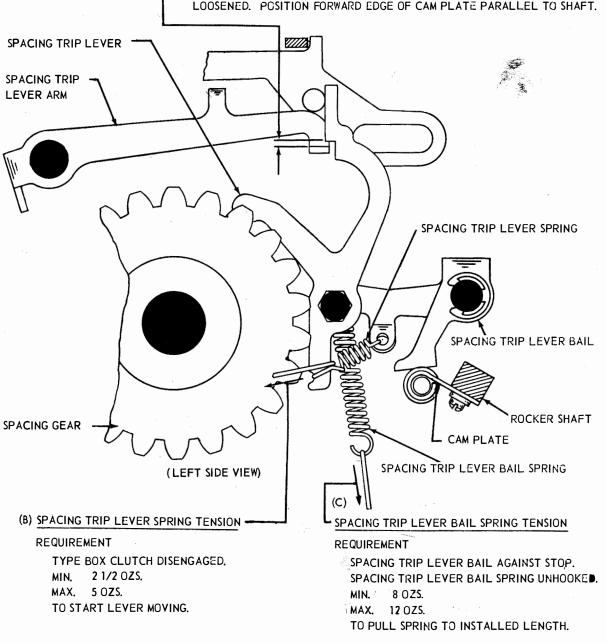
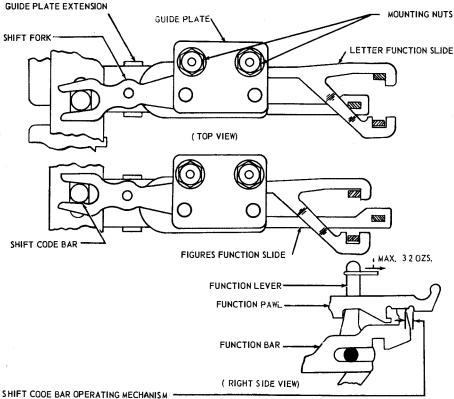


Figure 7-56. Automatic Typer, Spacing Mechanism



REQUIREMENT: (FOR TWO STOP FUNCTION CLUTCH)

DISENGAGE FUNCTION CLUTCH AT POSITION GIVING LEAST CLEARANCE. ROTATE TYPE BOX CLUTCH 1/2 REVOLUTION. HOLD FIGURES FUNCTION LEVER IN REARWARD POSITION WITH TENSION OF 32 OZS. CLEARANCE BETWEEN SHOULER OF FUNCTION PAWL AND FACE OF FUNCTION BAR

MIN. 0.002 INCH

MAX. 0.015 INCH

WHEN PLAY IN PAWL IS TAKEN FOR MAXIMUM CLEARANCE.

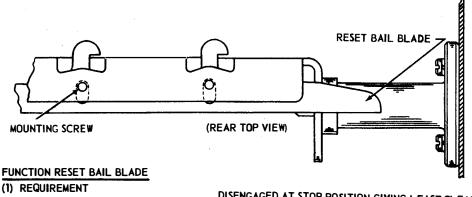
DISENGAGE FIGURES FUNCTION PAWL.CHECK LETTERS FUNCTION PAWL IN SAME MANNER.

TO ADJUST

POSITION SHIFT ASSEMBLY WITH CLAMP SCREWS LOOSENED. TAKE UP PLAY IN MOUNTING HOLES TO REAR.

CAUTION: MANUALLY OPERATE LETTERS AND FIGURES FUNCTION LEVER ALTERNATELY LEVERS SHOULD BE FREE OF BINDS.

Figure 7-57. Automatic Typer, Shift Mechanism



FUNCTION CLUTCH AND TYPE BOX

DISENGAGED AT STOP POSITION GIVING LEAST CLEARANCE.

CLUTCH DISENGAGED. ALL FUNCTION PAWLS UNLATCHED FROM THEIR FUNCTION BARS. FUNCTION BAR HELD IN MAXIMUM REARWARD POSITION. CLEARANCE BETWEEN FUNCTION BAR AND RESET BAIL BLADE.

MIN. 0.018 INCH MAX. 0.035 INCH

TO CHECK

MEASURE CLEARANCE AT BARS LOCATED IN STUNT BOX SLOTS. 1, 4, 11, 18, 23, 33, 38, AND 41. IF THERE IS NO BAR IN A DESIGNATED SLOT, USE NEAREST BAR. IF THERE IS A BAR ON EACH SIDE OF A DESIGNATED VACANT SLOT, USE BAR IN HIGHEST NUMBERED SLOT. (NOTE: FACING REAR OF UNIT, SLOTS ARE NUMBERED FROM LEFT TO RIGHT). TO ADJUST

POSITION BLADE ON RESET BAIL WITH BLADE MOUNTING SCREWS FRICTION TIGHT.

(2) REQUIREMENT TYPE BOX CLUTCH ROTATED 1/2 REVOLUTION, FUNCTION LEVER HELD IN REARMOST PO-SITION WITH 2 LBS, MAXIMUM TENSION, LATCH ASSOCIATED PAWL ONLY ONE AT A TIME. WITH 32 OZ. TENSION APPLIED TO FUNCTION PAWL, IT SHOULD OVERTRAVEL ITS BAR 0.002 INCH **FUNCTION PAWL** TO ADJUST REFINE REQUIREMENT (1) RESET BAIL -**FUNCTION BAR**

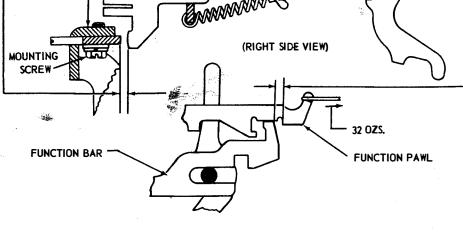
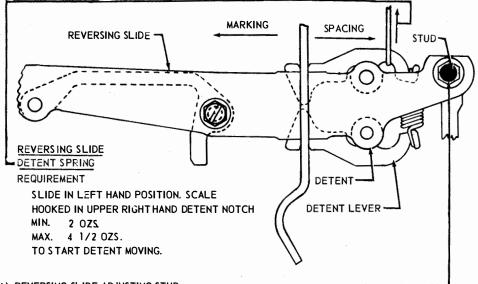


Figure 7-58. Automatic Typer, Function Bar Reset Mechanism



(A) REVERSING SLIDE ADJUSTING STUD

REQUIREMENT

TYPE BOX CLUTCH DISENGAGED.

WITH NO. 3 CODE BAR IN SPACING POSITION (RIGHT), THE REVERSING SLIDE DETENT ROLLERS SHOULD BE FULLY SEATED IN THE RIGHT—HAND NOTCHES OF THE DETENT LEVER. WITH NO. 3 CODE BAR IN MARKING POSITION (LEFT), THE REVERSING SLIDE DETENT ROLLERS SHOULD BE FULLY SEATED IN THE LEFT—HAND NOTCHES OF THE DETENT LEVER.

TO ADJUST

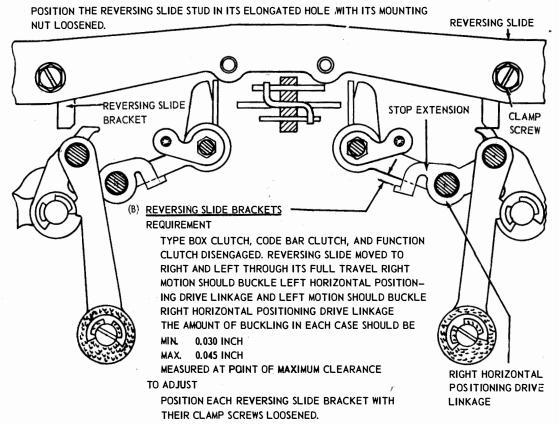


Figure 7-59. Automatic Typer, Horizontal Motion Reversing Mechanism, Front View

NOTE

THE LOOPS OF THIS SPRING ARE OFF- SET FROMCENTER IN THE SAME DIRECTION.

THE SPRING MUST BE HOOKED ON ITS ANCHORS SO THAT THE SIDE OF THE SPRING, ON WHICH THE LOOPS ARE LOCATED, IS TOWARD THE REAR OF THE MACHINE. WHEN REM VING EITHER SPRING EXERCISE CARE TO AVOID KINKS IN LOOPS.

HORIZONTAL POSITIONING DRIVE LINKAGE SPRING TENSION REJ UIREMENT SPRING UNHOOKED FROMITS POST. LINKAGE IN ITS UNBUCKLED POSITION. MIN. 14 OZS. MAX. 18 OZS. TO PULL SPRING TO INSTALLED LENGTH HORIZONTAL STOP SLIDES DECELERATING SLIDE REVERSING SLIDE CONNECTING STRIP CONNECTING STRIP MOUNTING SCREWS **BEARING STUD/** BEARING STUD MOUNTING SCREWS DRIVE LINKAGE HUB HORIZONTAL POSITIONING DRIVE LINKAGE. VERTICAL LINK HORIZONTAL POSITIONING DRIVE LINKAGE

REQUIREMENT

Type box clutch disengaged. Code bars 4 and 5 to spacing (right). Clearance between each side of center horizonta. Stop slide and decelerating slides on side where knee link is straight, should be equal (within 0.005 inch)

MIN. **0.020** INCH MAX. **0.040** INCH

TO ADJUST

LOOSEN BEARING STUD MOUNTING SCREWS AND CONNECTING STRIP MOUNTING SCREWS FRICTION TIGHT. POSITION ONE OR BOTH BEARING STUDS ON THE CONNECTING STRIP TO PROVIDE **0.025** INCH TO **0.035** INCH BETWEEN THE CENTER HORIZONTAL SLIDE AND THE DECELERATING SLII E ON THE SIDE WHERE THE LINKAGE IS NOT BUCKLED. TIGHTEN THE TWO INNER MOUNTING SCREWS. CHANGE POSITION OF REVERSING SLIDE AND CHECK OPPOSITE CLEARANCE.EQUALIZE BY SHIFTING BOTH STUDS AND CONNECTING STRIP AS A UNIT. HOLD THE DRIVE LINKAGE HUB AGAINST THE LOWER VERTICAL LINK OF THE DRIVE LINKAGE. TIGHTEN THE TWO OUTER BEARING STUD MOUNTING SCREWS. CHECK THE LINKAGE FOR FREENESS THROUGHOUT A COMPLETE CYCLE.

FIGURE 56 TYPING UNIT, HORIZONTAL POSITIONING DRIVE MECHANISM FRONT VIEW

Figure 7-60. Automatic Typer, Horizontal Positioning Drive Mechanism, Front View

NOTE: THESE ADJUSTMENTS APPLY ONLY TO HORIZONTAL POSITIONING DRIVE MECHANISMS EQUIPPED WITH TORSION SPRINGS

HORIZONTAL POSITIONING DRIVE LINKAGE

REQUIREMENT

TYPE BOX CLUTCH DISENGAGED.

CODE BARS 4 AND 5 TO SPACING (RIGHT).

CLEARANCE BETWEEN EACH SIDE OF CENTER HORIZONTAL STOP SLIDE AND DECELERATING SLIDES, ON SIDE WHERE KNEE LINK IS STRAIGHT SHOULD BE EQUAL (WITHIN 0.008 INCH)

MIN. 0.015 INCH

MAX. 0.040 INCH

TO ADJUST

LOOSEN BEARING STUD MOUNTING SCREWS AND CONNECTING STRIP MOUNTING SCREWS FRICTION TIGHT. POSITION ONE OR BOTH BEARING STUDS ON THE CONNECTING STRIP TO PROVIDE 0.025 INCH TO 0.035 INCH BETWEEN THE CENTER HORIZONTAL SLIDE AND THE DECELERATING SLIDE ON THE SIDE WHERE THE LINKAGE IS NOT BUCKLED. TIGHTEN THE TWO INNER MOUNTING SCREWS. CHANGE POSITION OF REVERSING SLIDE AND CHECK OPPOSITE CLEARANCE. EQUALIZE BY SHIFTING BOTH STUDS AND CONNECTING STRIP AS A UNIT. HOLD THE DRIVE LINKAGE HUB AGAINST THE LOWER VERTICAL LINK OF THE DRIVE LINKAGE. TIGHTEN THE TWO OUTER BEARING STUD MOUNTING SCREWS. CHECK THE LINKAGE FOR FREENESS THROUGHOUT A COMPLETE CYCLE.

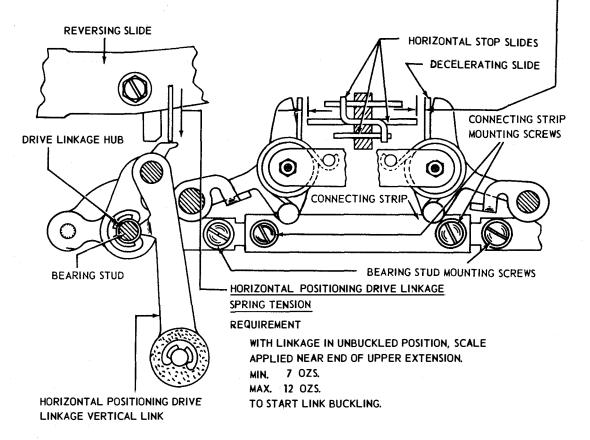
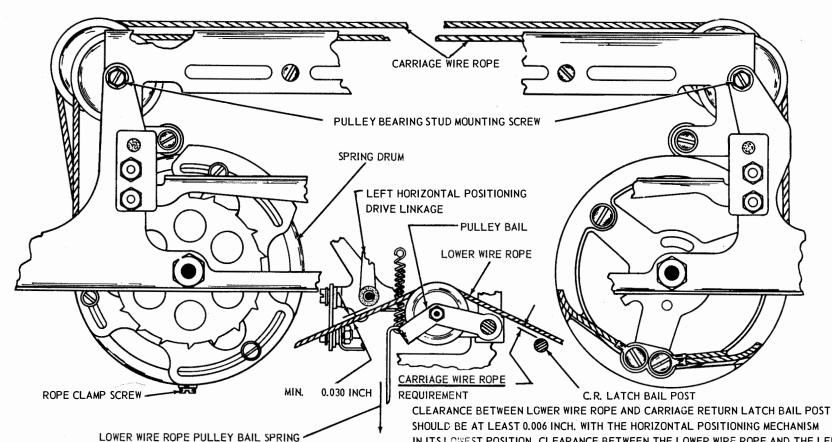


Figure 7-60a. Automatic Typer, Horizontal Positioning Drive Mechanism Front View

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VERTICAL POSITIONING LOCK LEVER (1) REQUIREMENT LETTERS COMBINATION SET UP ON CODE BARS. MAIN SIDE OPERATING LEVERS AT UPPER END OF TRAVEL. UPPER NOTCH OF VERTICAL POSI-LEFT VERTICAL POSITIONING LOCK LEVER TIONING LOCK LEVER FULLY ENGAGED (MANUALLY IF NECESSARY) WITH LEFT VERTICAL SLIDE PROJECTION **VERTICAL SLIDE PROJECTION.** UPPER SURFACE OF FOLLOWER ARM REAR EXTENSION SHOULD BE MIN. IN CONTACT WITH (2) REQUIREMENT MAX. 0.004 INCH AWAY FROM WITH PLAY TAKEN UP BY INNER EXTENSION OF MAIN **PULLING UPWARD WITH** SIDE LEVER. **8 OZS. TENSION ON TYPE BOX CARRIAGE TRACK, VERTICAL SURFACES** MIN. IN CONTACT WITH OR MAX. 0.012 INCH AWAY FROM EACH OTHER TO ADJUST POSITION RIGHT AND LEFT **VERTICAL POSITIONING** CLAMP SCREWS LOCK LEVERS WITH CLAMP SCREWS LOOSENED. INNER EXTENSION-**LEFT MAIN SIDE LEVER** LEFT FOLLOWER ARM REAR EXTENSION

Figure 7-61. Automatic Typer, Vertical Positioning Mechanism



REQUIREMENT

SPRING UNHOOKED FROM PULLEY BAIL. BAIL EXTENSION RESTING ON OPENING IN FRONT PLATE.

MIN. 18 OZS. MAX. 22 OZS.

TO PULL SPRING TO POSITION LENGTH.

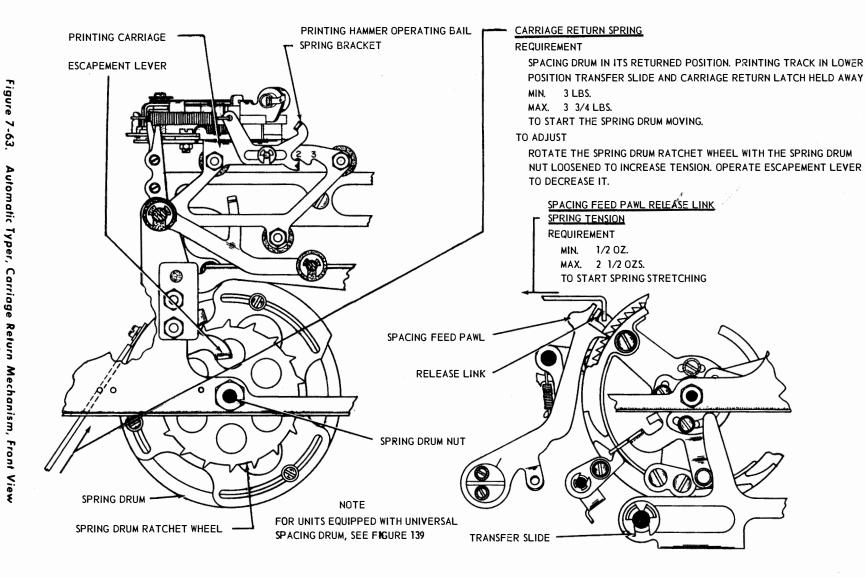
MIN. 0.030 INCH

TO ADJUST

RETURN THE PRINTING CARRIAGE TO ITS LEFT HAND POSITION. LOOSEN THE ROPE CLAMP SCREW ONE TURN ONLY, POSITION THE PULLEY BEARING STUDS WITH THEIR MOUNTING SCREWS LOOSENED TO MEET THE REQUIREMENT. MAKE CERTAIN THAT THE ROPE MOVES AROUND ITS CLAMP SCREW TO AN EQUALIZED POSITION, TIGHTEN THE CLAMP SCREW AND MOUNTING SCREWS.

IN ITS LOWEST POSITION, CLEARANCE BETWEEN THE LOWER WIRE ROPE AND THE LEFT

HORIZONTAL POSITIONING DRIVE LINKAGE SHOULD BE



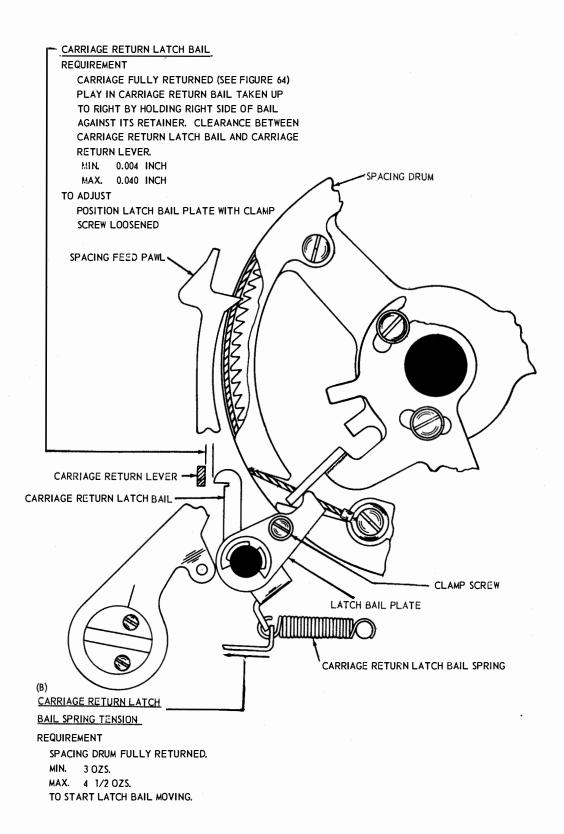


Figure 7-64. Automatic Typer, Carriage Return Mechanism, Front View

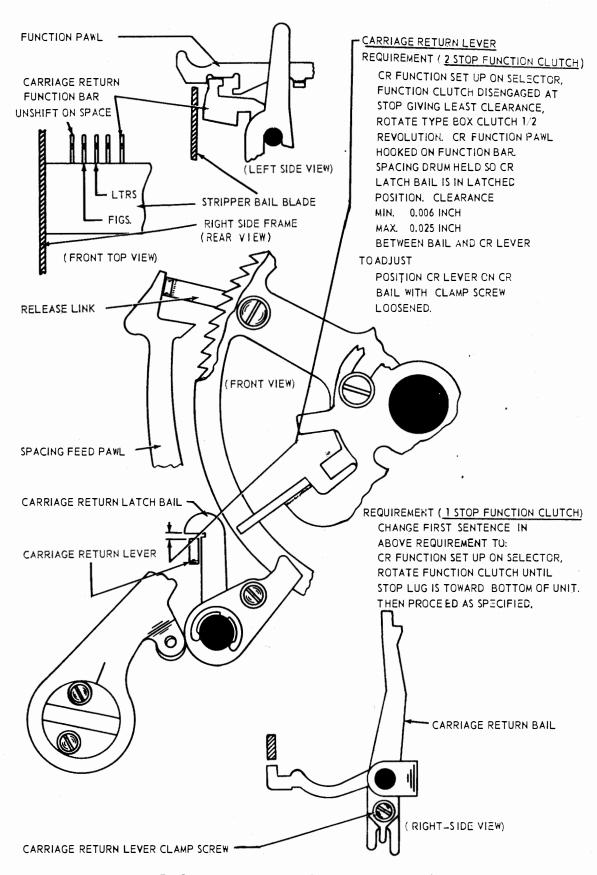


Figure 7-65. Automatic Typer, Carriage Return Mechanism

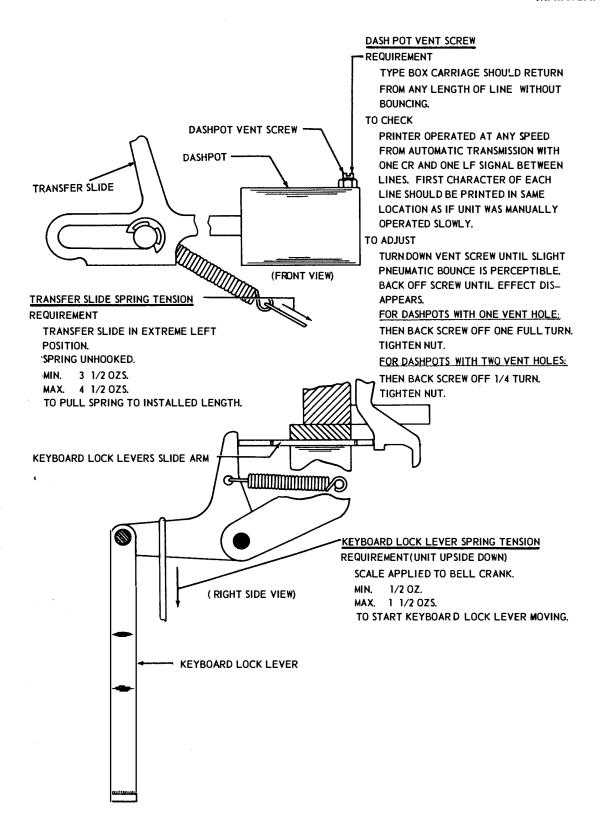


Figure 7-66. Automatic Typer, Dashpot and Keyboard Lock Mechanism

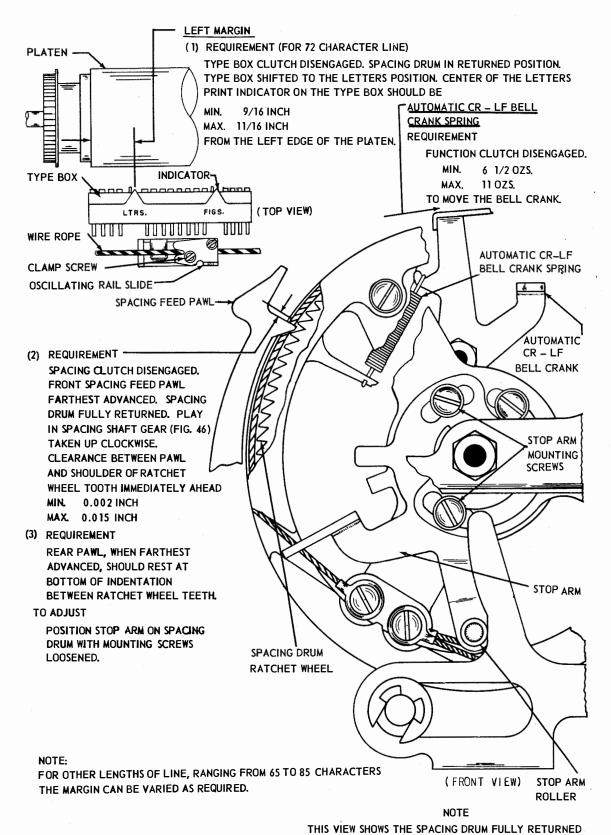


Figure 7-67. Automatic Typer, Carriage Return Mechanism

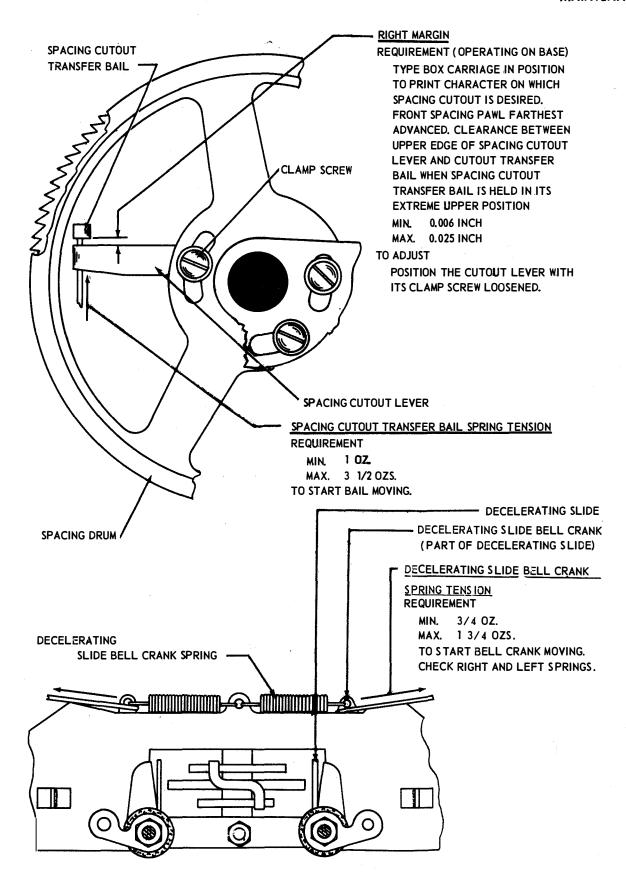
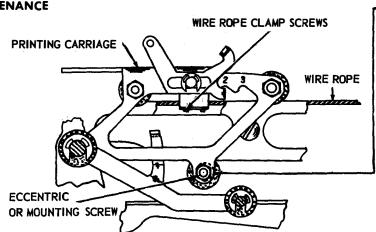


Figure 7-68. Automatic Typer, Right Margin and Decelerating Slide Mechanism, Front View



PRINTING CARIAGE LOWER ROLLER

REQUIREMENT

CARRIAGE WIRE ROPE CLAMP SCREWS LOOSENED. PLAY OF CARRIAGE ON TRACK-MIN. WITHOUT BIND, THROUGHOUT TRACK'S FULL LENGTH.

TO ADJUST (ECCENTRIC BUSHING)
POSITION LOWER ROLLER WITH
SCREW NUT LOOSENED. KEEP
HIGH PART OF ECCENTRIC
(CHAMFERED CORNER) TOWARD
THE RIGHT.

TO ADJUST (<u>SLIDING SCREW</u>)

POSITION LOWER ROLLER WITH
MOUNTING SCREW LOOSENED.

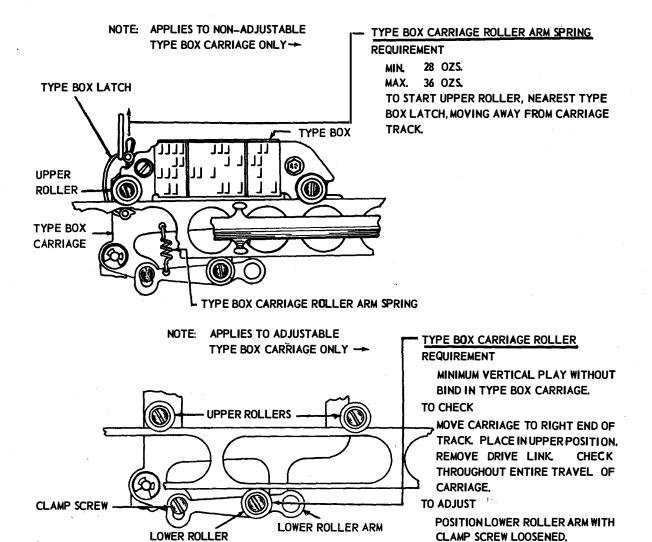
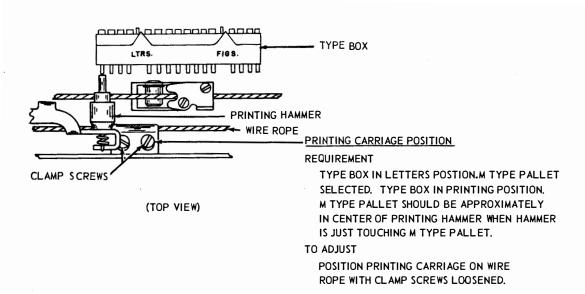


Figure 7-69. Automatic Typer, Printing and Type Box Carriage



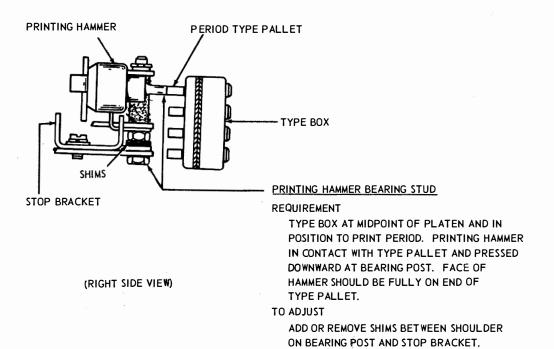
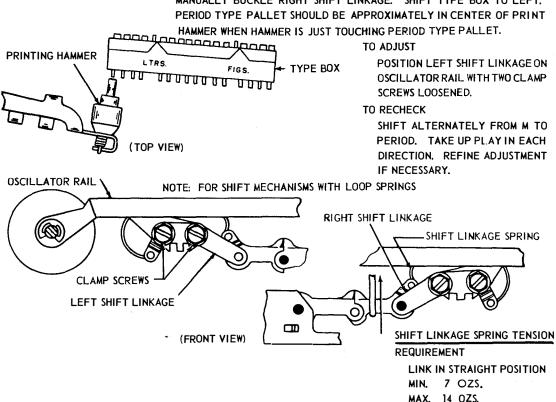


Figure 7-69a. Automatic Typer, Frinting Carrio ce

SHIFT LINKAGE

REQUIREMENT

CARRIAGE NEAR MIDPOINT OF PLATEN. TYPE BOX IN POSITION TO PRINT M MANUALLY BUCKLE RIGHT SHIFT LINKAGE. SHIFT TYPE BOX TO LEFT.



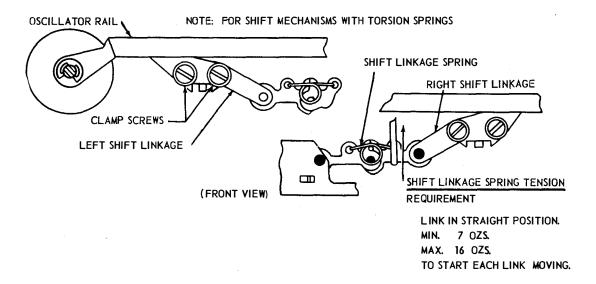


Figure 7-70. Automatic Typer, Shift Mechanism

TO START EACH LINK MOVING.

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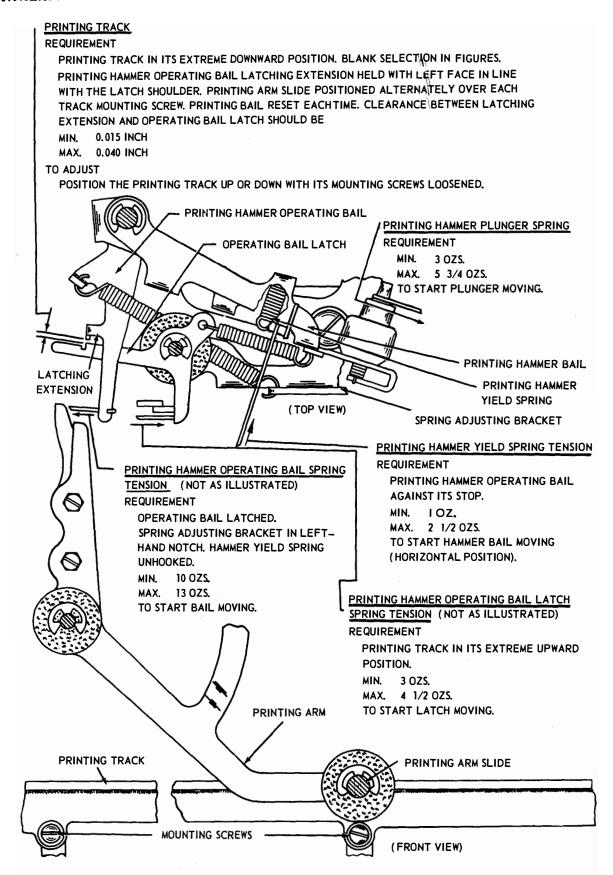


Figure 7-71. Automatic Typer, Printing Mechanism

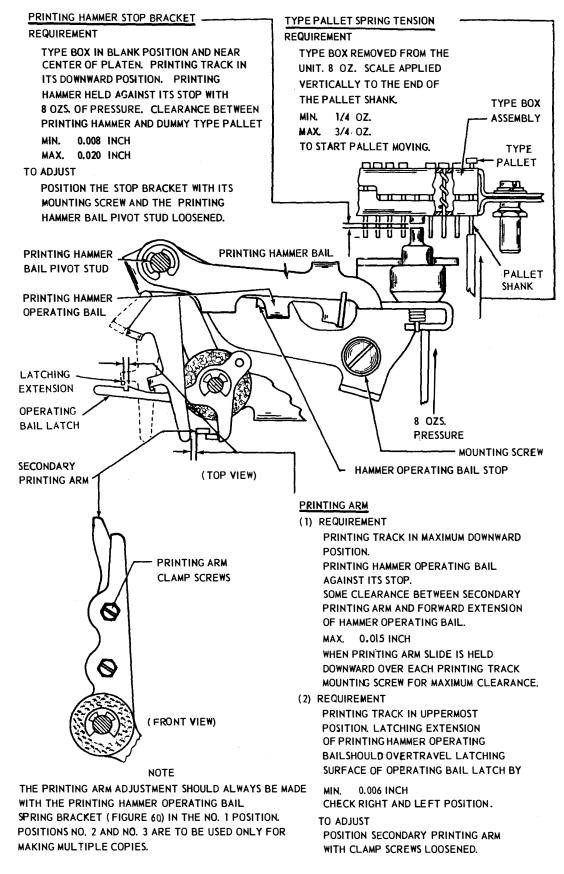


Figure 7-72. Automatic Typer, Printing Mechanism

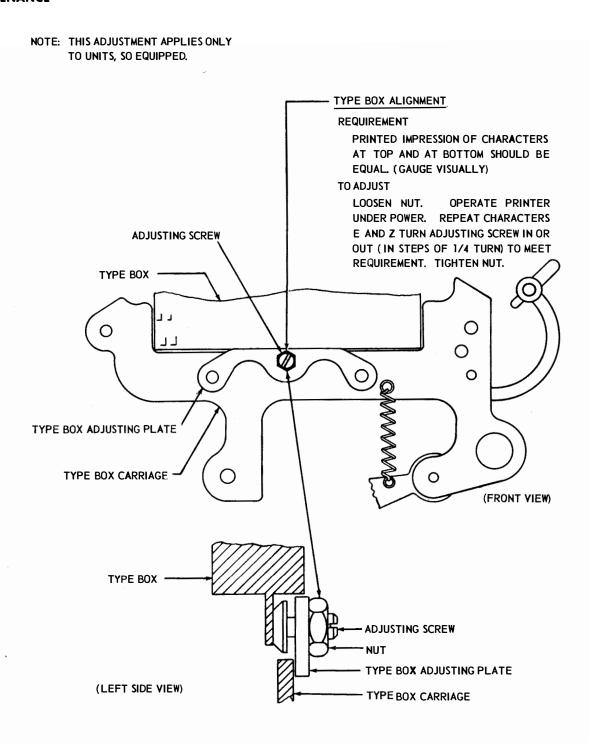


Figure 7-72a. Automatic Typer, Type Box

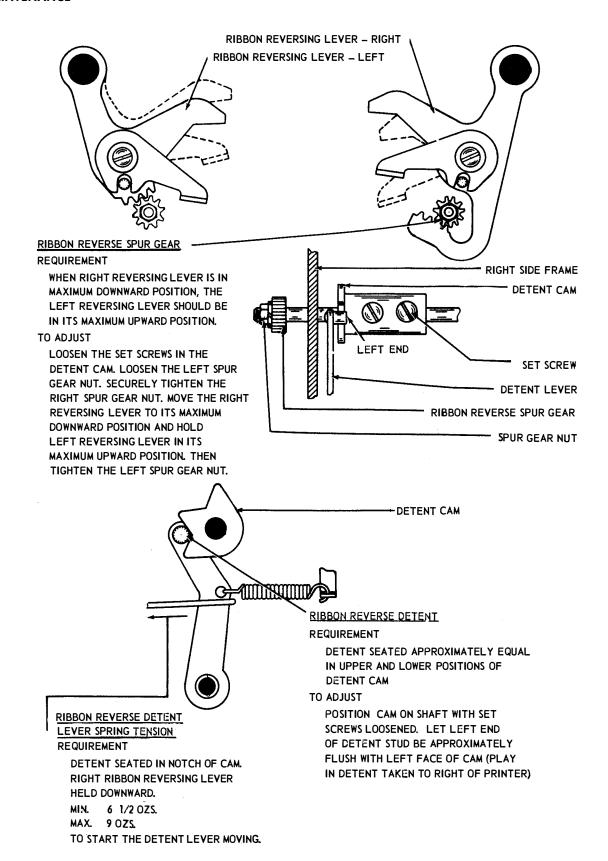


Figure 7-73. Automatic Typer, Ribbon Reverse Mechanism

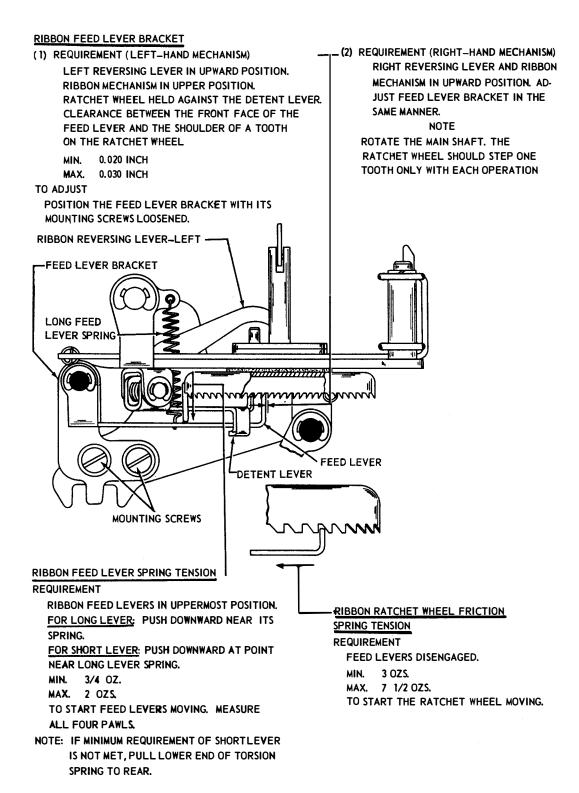


Figure 7-74. Automatic Typer, Ribbon Feed Mechanism, Left Side View

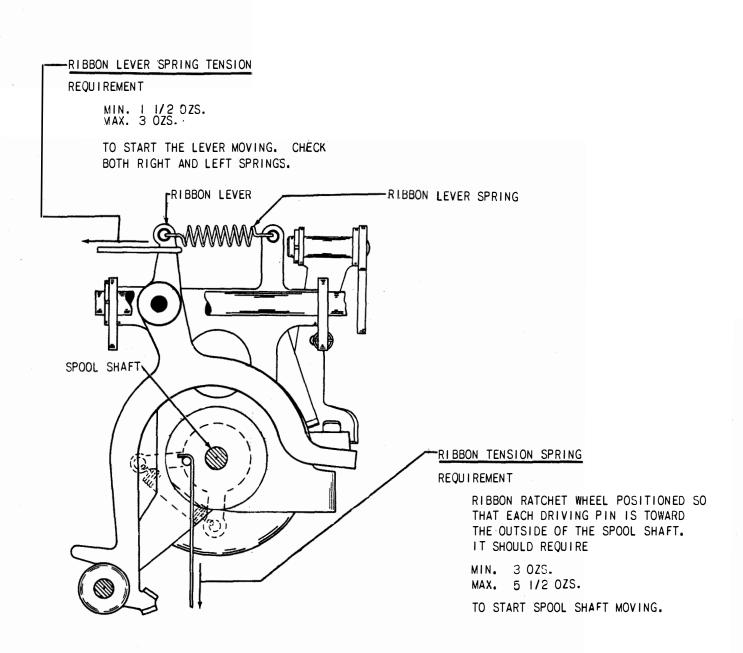


Figure 7-75. Automatic Typer, Ribbon Reverse Mechanism, Top View

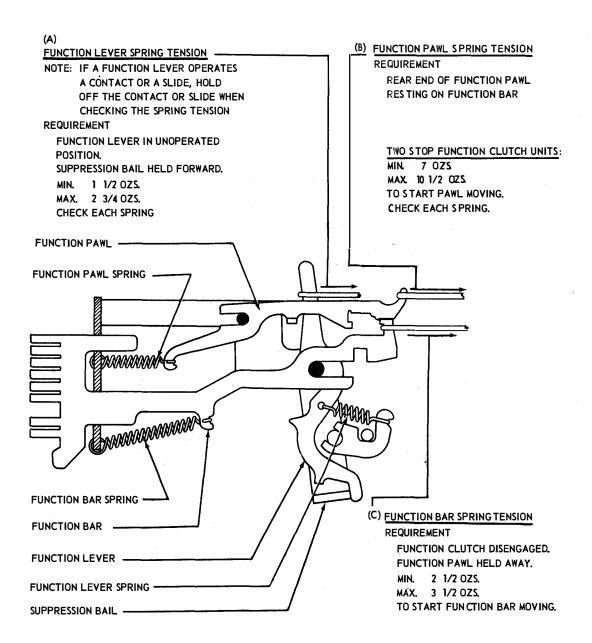


Figure 7-76. Automatic Typer, Function Box Mechanism

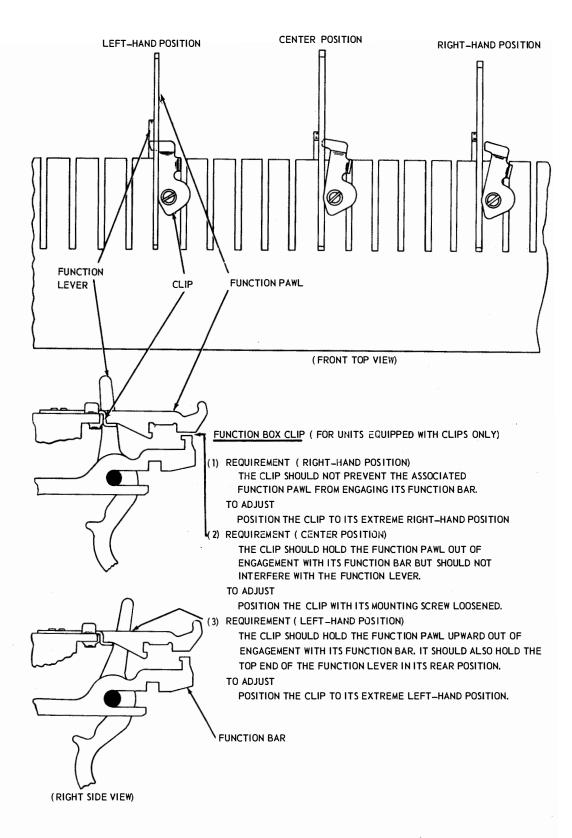


Figure 7-76A. Automatic Typer, Function Box Mechanism

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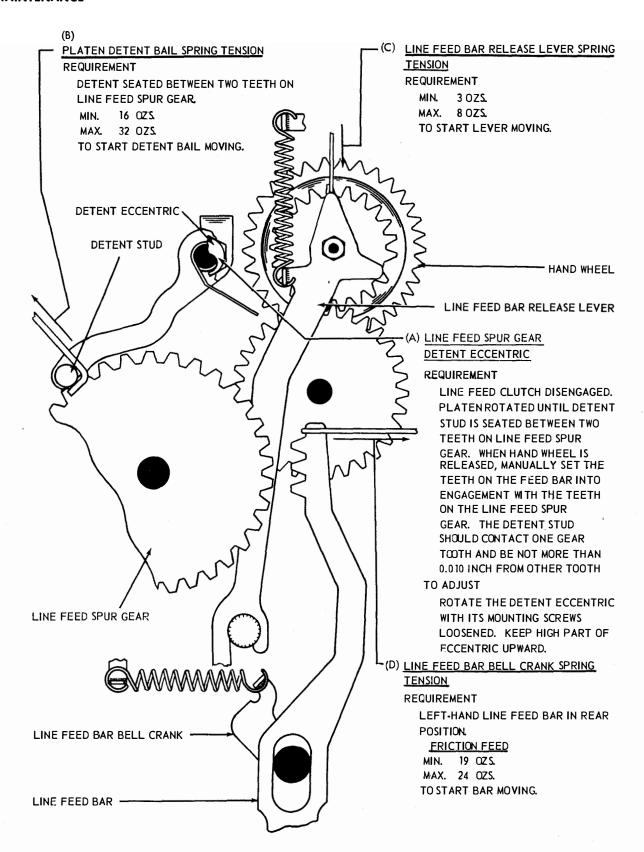


Figure 7-77. Automatic Typer, Line Feed Mechanism, Right Side View

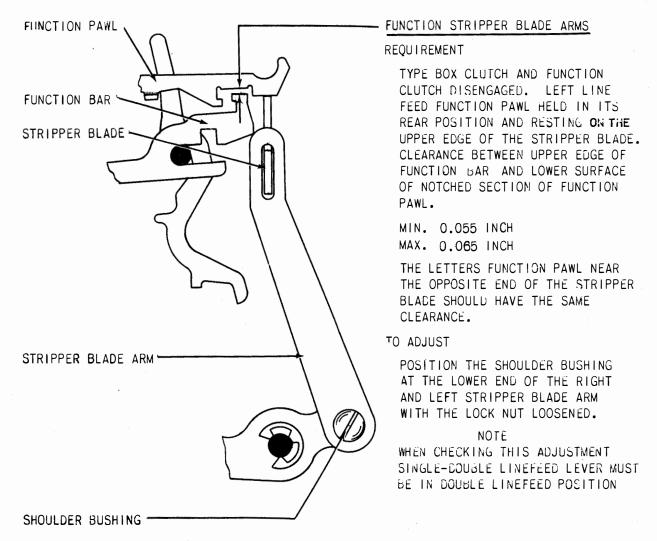


Figure 7-78. Automatic Typer, Function Pawl Stripper Mechanism

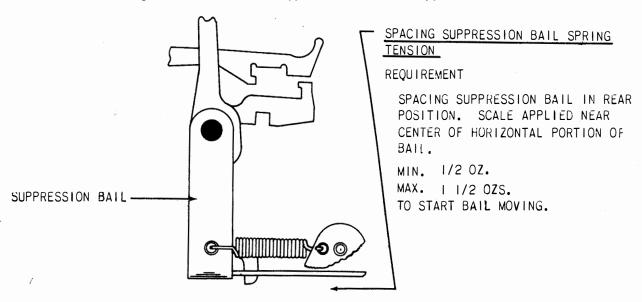


Figure 7-79. Automatic Typer, Spacing Suppression Mechanism

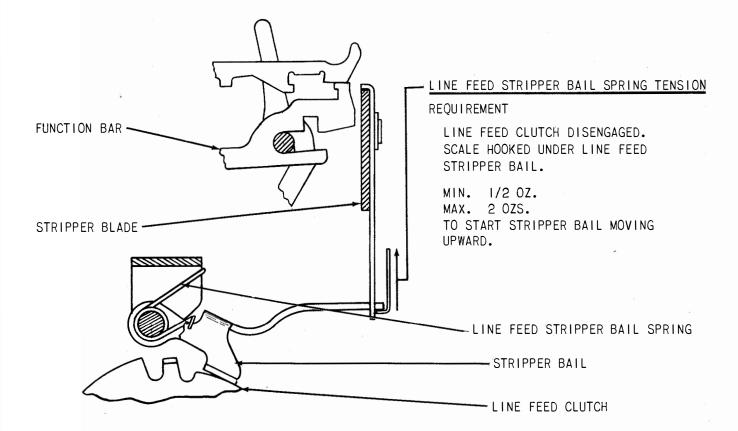


Figure 7-81. Automatic Typer, Function Pawl Stripper Mechanism

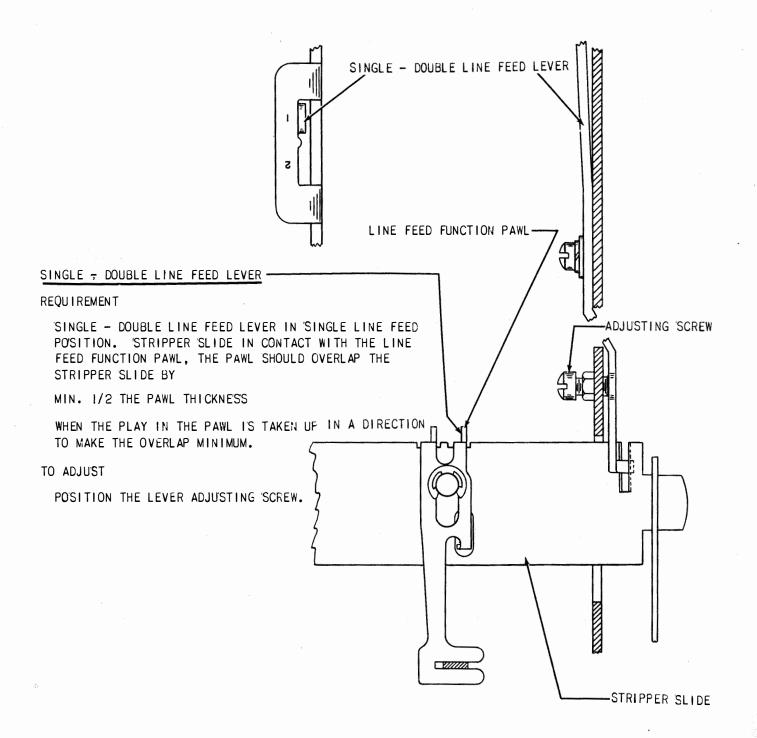
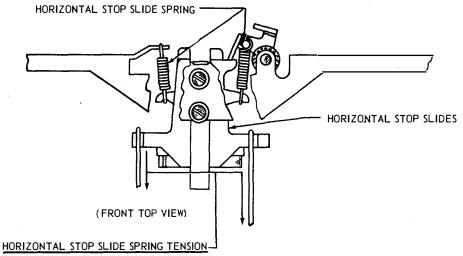


Figure 7-82. Automatic Typer, Single-Double Line Feed Mechanism



REQUIREMENT

CODE BARS IN MARKING POSITION (LEFT)
TYPE BOX CLUTCH ROTATED 1/4 TURN FROM ITS STOP POSITION
HORIZONTAL MOTION DECELERATING SLIDES (FIG. 60) HELD AWAY
FROM HORIZONTAL STOP SLIDES

MIN. 1/2 OZ. MAX. 1 1/2 OZS. FOR UPPER AND LOWER SLIDES

MIN. 1 3/4 OZS. MAX. 3 OZS. FOR MIDDLE SLIDE

TO START SLIDE MOVING.

NOTE: WHEN CHECKING UPPER AND LOWER SLIDES, HOLD MIDDLE SLIDE 1/32 INCH FORWARD.

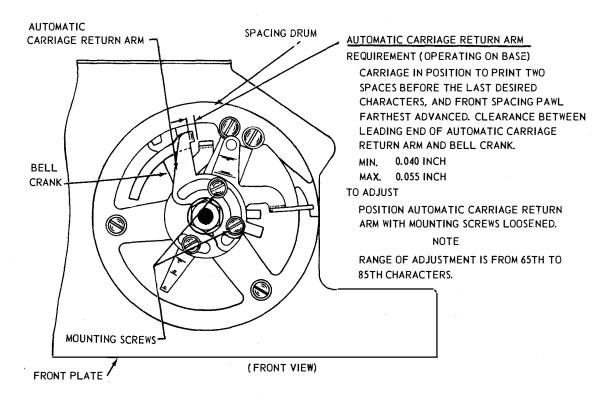
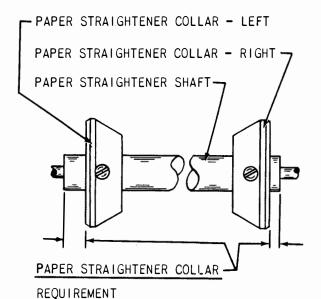


Figure 7-82. Automatic Typer, Horizontal Motion Stop and Automatic Carriage Return Mechanism



LEFT COLLAR SPACED

MIN. 9/32 INCH
MAX. 21/64 INCH
FROM THE LEFT SHOULDER ON THE
PAPER STRAIGHTENER SHAFT.

MIN. 1/16 INCH
MAX. 5/64 INCH
FROM THE RIGHT SHOULDER.

RIGHT COLLAR SPACED

TO ADJUST

POSITION COLLARS ON SHAFT WITH SET SCREWS LOGSENED.

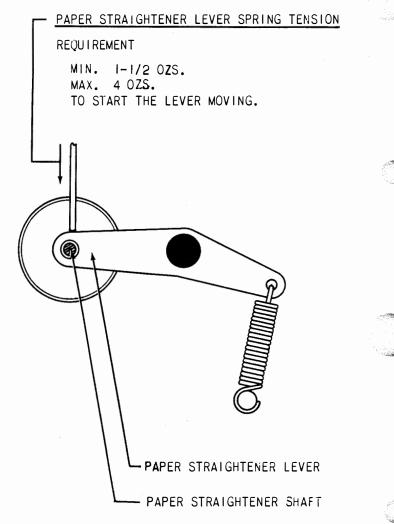


Figure 7-83. Automatic Typer, Paper Mechanism

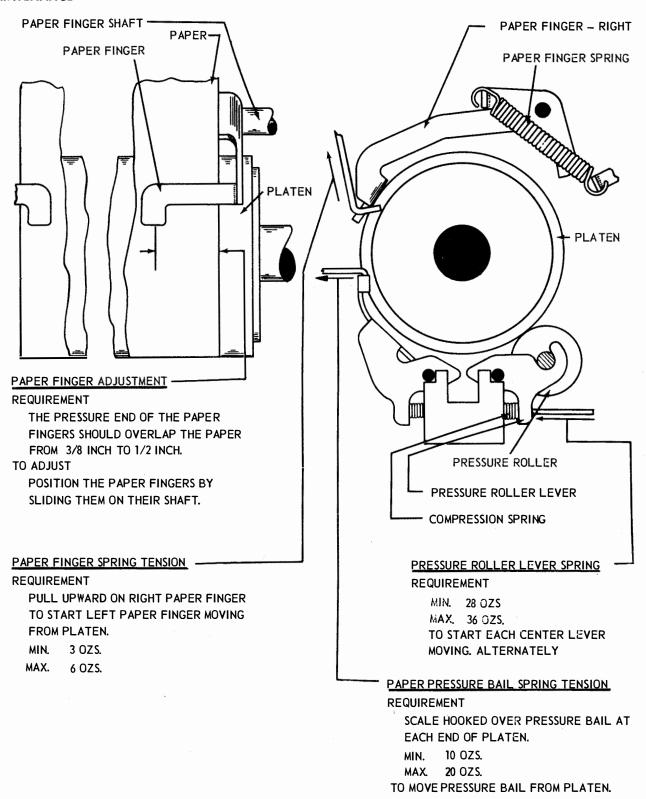


Figure 7-84. Automatic Typer, Paper Mechanism

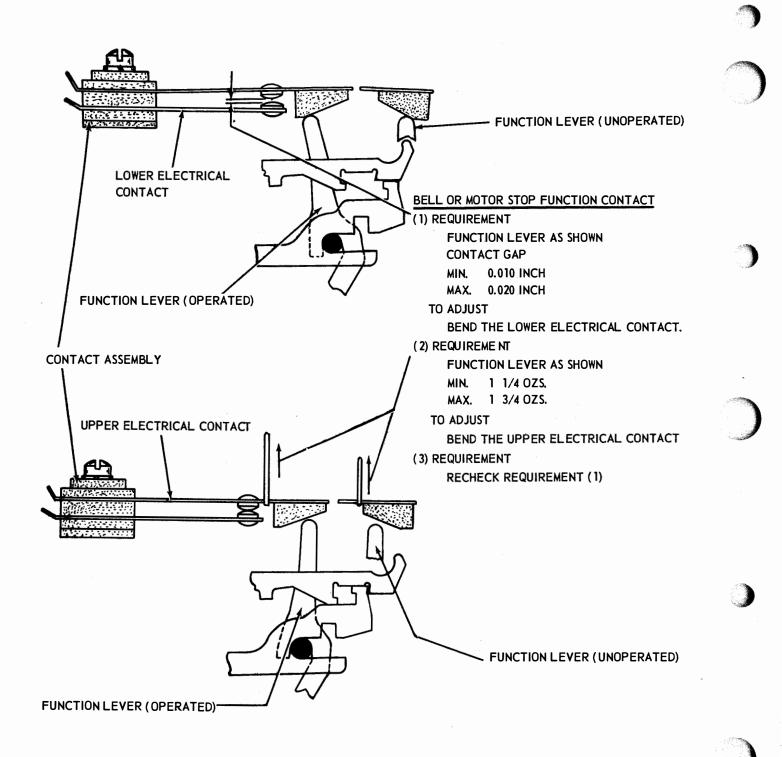


Figure 7-85. Automatic Typer, Function Contact

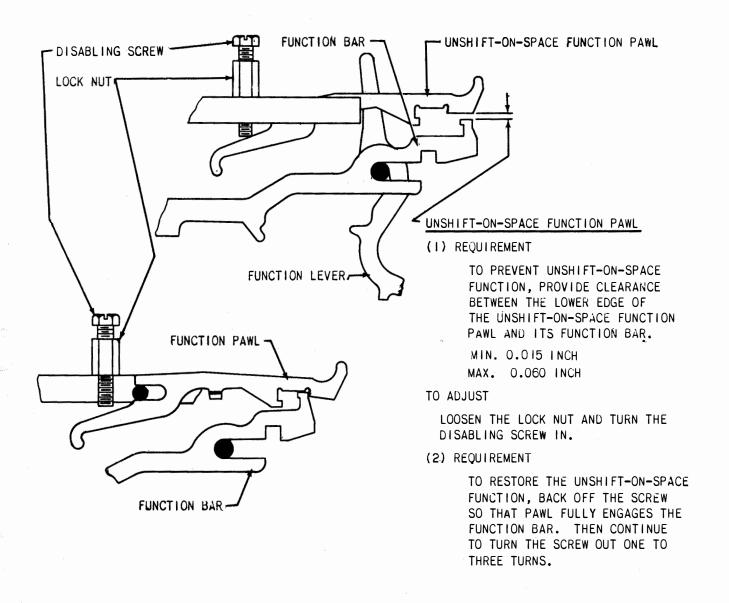


Figure 7-86. Automatic Typer, Unshift-On-Space Mechanism, Left Side View

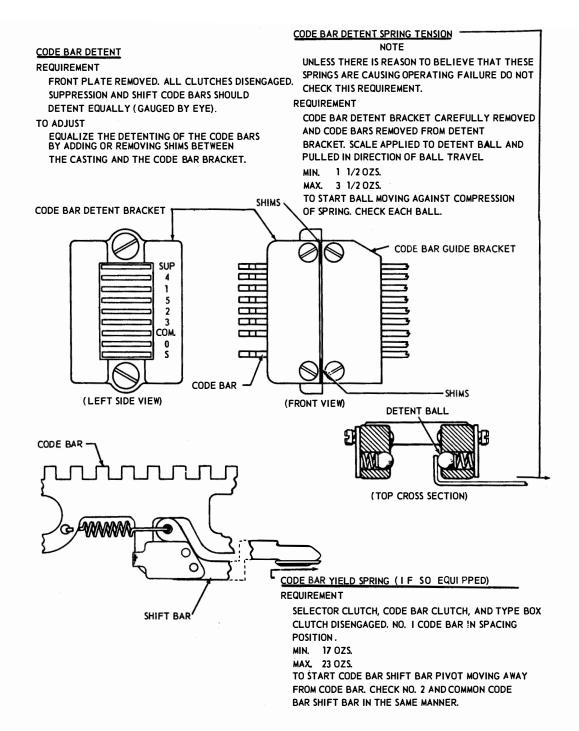


Figure 7-87. Automatic Typer, Code Bar Detent Mechanism

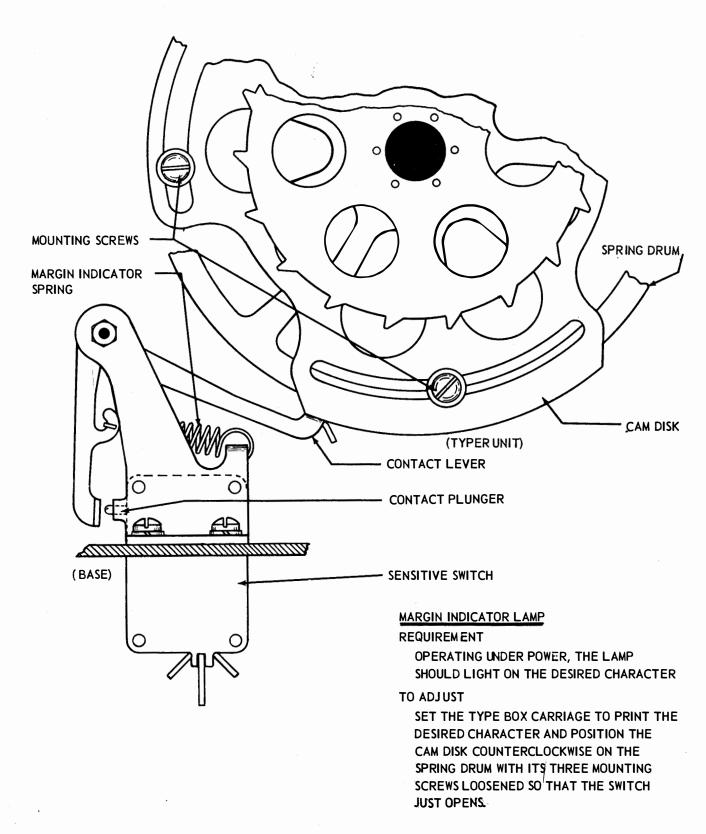


Figure 7-88. Keyboard, and Automatic Typer, Margin Indicating Mechanism

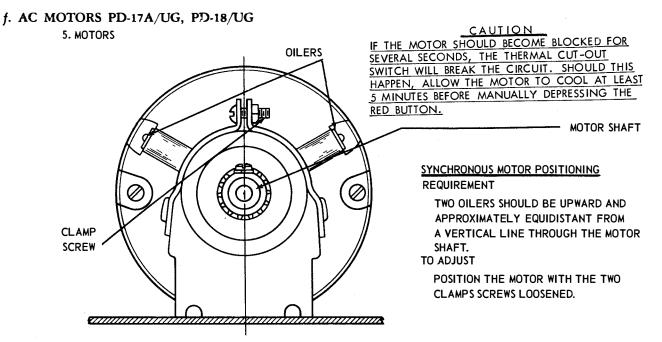
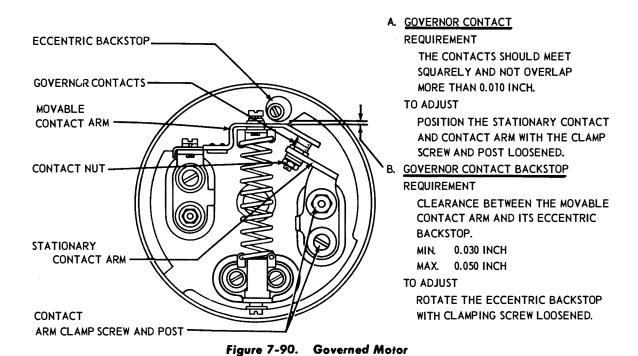


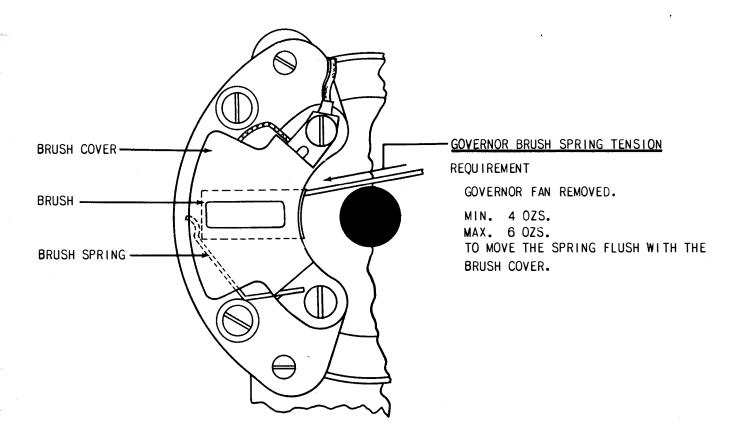
Figure 7-89. Synchronous Motor

GOVERNED MOTOR POSITIONING

REQUIREMENT

MOTOR SHOULD BE CENTRALLY POSITIONED IN IT'S RUBBERMOUNTS SO AS TO PROVIDE AT LEAST 0.020 CLEARANCE BETWEEN THE MOTOR HOUSING AND THE CRADLE AT THE GOVERNOR END. THE CABLE SHOULD ALSO CLEAR THE GROMMET IN THE SCREEN BY AT LEAST 0.030 INCH.





GOVERNED MOTOR SPEED ADJUSTMENT

REQUIREMENT

WITH THE TARGET ILLUMINATED AND VIEWED THROUGH THE VIBRATING SHUTTERS OF A 120 VSP TUNING FORK, THE SPOTS SHOULD APPEAR STATIONARY WHILE ROTATING.

TO ADJUST

STOP THE MOTOR AND TURN THE ADJUSTING SCREW AS INDICATED ON THE GOVERNOR COVER.

IT IS POSSIBLE TO ADJUST THE MOTOR AT SOME MULTIPLE OF THE CORRECT SPEED. TO CHECK FOR CORRECT SPEED, HAVE THE TYPE BOX CARRIAGE AT THE LEFT MARGIN, SET UP ANY CHARACTER ON THE SELECTOR AND MANUALLY TRIP THE TYPE BOX CLUTCH TRIP LEVER. IF THE UNIT IS EQUIPPED WITH GEAR FOR 60 SPEED OPERATION, IT SHOULD PRINT 70 CHARACTERS IN 10 SECONDS; WITH 75 SPEED GEARS — 44 CHARACTERS IN 5 SECONDS; WITH 100 SPEED GEARS — 57 CHARACTERS IN 5 SECONDS.

Figure 7-91. Motor Governor Brush and Motor Speed

g. POWER DISTRIBUTION PANEL SB-154A/UG

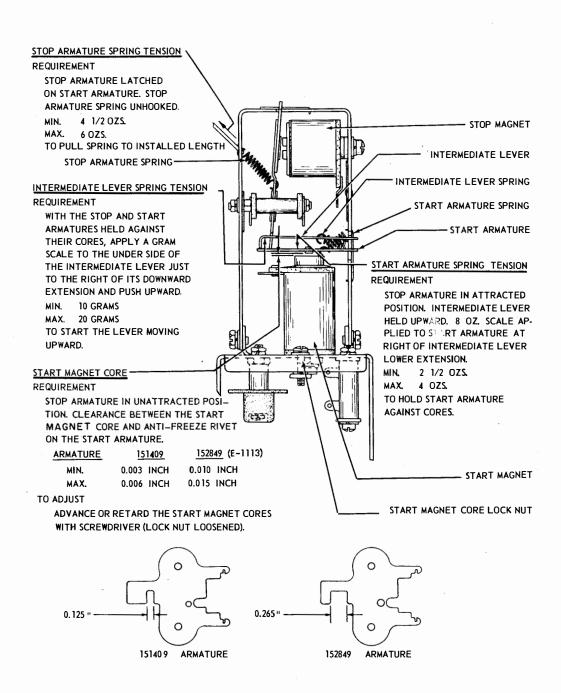


Figure 7-92. Motor Control Assembly

SMALL DOOR STOP ARM

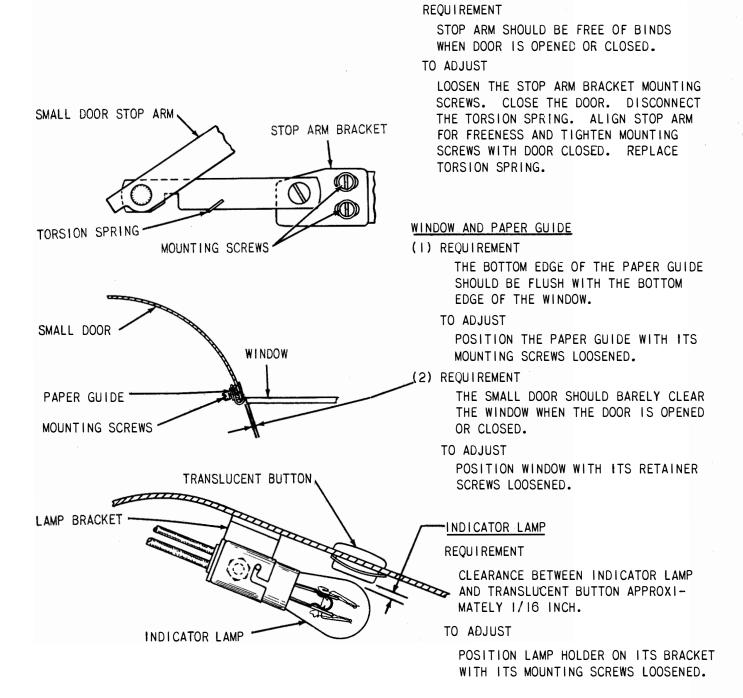


Figure 7-93. Window and Accessories

b. FINAL TEST.—After all adjustments have been made, and the equipment is assembled, apply the operating tests indicated in section 3, paragraph 7. Refer to section 4, paragraph 9 for determining the orientation range. When a signal distortion test set is used for determining the receiving margins of the selector, and where the condition of the components is equivalent to that of new equipment, the range and distortion tolerances tabulated in Table 7-1 should be met.

5. TOOLS.

The tools listed in table 7-2 are required for maintenance of Teletypewriters TT-47A/UG, TT-48A/UG, TT-69A/UG, and TT-70A/UG but are not supplied as part of the equipments.

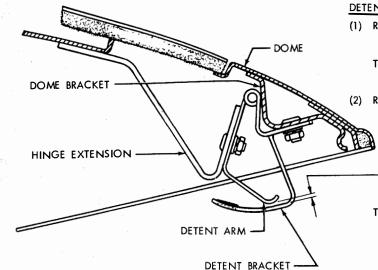
6. EXPLODED ILLUSTRATIONS.

The following figures illustrate the parts that comprise the various components of the equipment. They are grouped on a functional basis in so far as is practicable and are keyed to the parts list table 8-3, by their symbol designations. See paragraph 1.b. of this section for component numbering system. Figures are arranged as follows:

Component	Figure		
Keyboard	7-95 to 7-107		
Synchronous Motor	7-108		
Governed Motor	7-109 to 7-110		
Cabinet	7-111 to 7-112		
Power Distribution Panel	7-113 to 7-114		
Automatic Typer	7-115 to 7-137		

TABLE 7-1. SELECTOR MARGINS

CURRENT	SPEED IN W. P. M.	POINTS RANGE WITH ZERO DISTORTION	PERCENTAGE OF MARKING AND SPACING BIAS TOLERATED	END DISTORTION TOLERATED WITH SCALE AT BIAS OPTIMUM SETTING		
0.060 amp. (windings parallel)	60	72	40	35		
0.060 amp. (windings parallel)	75	72	40	35		
0.060 amp. (windings parallel)	100	72	40	35		
0.020 amp. (windings series)	60	72	40	35		
0.020 amp. (windings series)	75	72	40	35		
0.020 amp. (windings series)	100	72	40	35		



DETENT (ON UNITS SO EQUIPPED)

(1) REQUIREMENT

THE DETENT ARM SHOULD BE HORIZONTALLY IN LINE WITH THE UPPER EDGES OF THE TWO HINGES TO ADJUST

POSITION THE ARM AND TIGHTEN THE TWO NUTS.

(2) REQUIREMENT

WITH THE DOME RAISED AND THE SMALL DOOR LATCH BUTTON DEPRESSED, THE DOOR SHOULD NOT OPEN BEYOND ITS DETENT. WITH SMALL DOOR CLOSED THERE SHOULD BE SOME CLEARANCE

MAX. 0.010 INCH

BETWEEN THE DETENT ARM AND THE DETENT BRACKET TO ADJUST

POSITION THE DETENT BRACKET AND TIGHTEN THE TWO NUTS. IF NECESSARY REPOSITION THE DETENT ARM. RECHECK ALL NUTS FOR TIGHTNESS

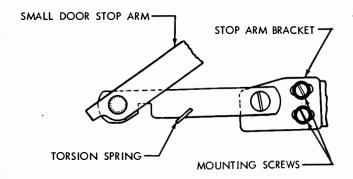
COUNTERBALANCE

REQUIREMENT

THE DOME SHOULD REMAIN IN ITS MAXIMUM OPEN POSITION AND NOT CLOSE UNLESS MOVED MANUALLY.

TO ADJUST

TURN THE SPRING ADJUSTING SCREW. SEE FIGURE 7-94



SMALL DOOR STOP ARM

REQUIREMENT

STOP ARM SHOULD BE FREE OF BINDS WHEN DOOR IS OPENED OR CLOSED.

TO ADJUST

LOOSEN THE STOP ARM BRACKET MOUNTING SCREWS. CLOSE THE DOOR. DISCONNECT THE TORSION SPRING. ALIGN STOP ARM FOR FREENESS AND TIGHTEN MOUNTING SCREWS WITH DOOR CLOSED. REPLACE TORSION SPRING.

Figure 7-93B. Cabinet

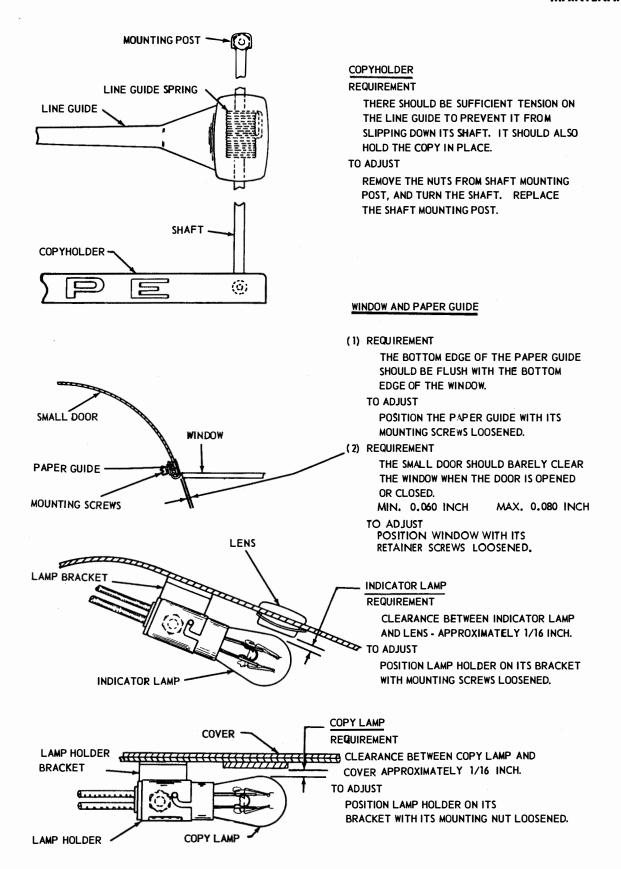


Figure 7-93C. Cabinet

i. FINAL TEST.—After all adjustments have been made, and the equipment is assembled, apply the operating tests indicated in section 3, paragraph 7. Refer to section 4, paragraph 9 for determining the orientation range. When a signal distortion test set is used for determining the receiving margins of the selector, and where the condition of the components is equivalent to that of new equipment, the range and distortion tolerances tabulated in table 7-1 should be met. To adjust, refine the selector armature spring tension listed in figure 7-33.

5. TOOLS.

Tool Equipment TE-50-A and Field Change No. 1-TE-50-A, NAVships 98363, and the tools listed in table 7-2 are required for maintenance of Teletypewritters TT-47A/UG, TT-48A/UG, TT-69A/UG, TT-70A/UG, and TT-171/UG, but are not supplied as part of the equipments.

6. EXPLODED ILLUSTRATIONS.

The following figures illustrate the parts that comprise the various components of the equipment. They are grouped on a functional basis in so far as is practicable and are keyed to the parts list table 8-3, by their symbol designations. See paragraph 1.b. of this section for component numbering system. Figures are arranged as follows:

Component	Figure		
Keyboard and Base	7-95 to 7-107		
Synchronous Motor	7-108		
Governed Motor	7-109 to 7-110		
Cabinet	7-111 to 7-112		
Power Distribution Panel	7-113 to 7-114		
Automatic Typer	7-115 to 7-137		
Base	7-103 A		

TABLE 7-1. SELECTOR MARGIN MINIMUM REQUIREMENTS

CURRENT .	SPEED IN W. P. M.	POINTS RANGE WITH ZERO DISTORTION	PERCENTAGE OF MARKING AND SPACING BIAS TOLERATED	END DISTORTION TOLERATED WITH SCALE AT BIAS OPTIMUM SETTING
0.060 amp. (windings parallel)	60 75 100	72	40	35
0.020 amp. (windings	60 75	72	40	35
series)	100	72	35	35

TABLE 7-2. LIST OF TOOLS

NO. TELETYPE PART NO.		DESCRIPTION	STANDARD NAVY STOCK NO.		
1	73408	Lens, magnifying; w/case	N17-T-350007-817		
2	82711	Scale, spring; 64 oz.	N17-T-350013-212		
3	94644	Screwdriver, offset	N17-T-350012-559		
4	94645	Screwdriver, offset	N17-T-350012-560		
5	151392	Tweezers			
6	151959	Tool, spring hook; push			
7	152223	Scale, spring; 70 grams			
8	152292	Clip, armature			

TABLE 7-3. WINDING DATA

DESIGNATION SYMBOL	TELETYPE PART NO.	MFG. PART NO.	WINDING	WIRE SIZE	TURNS	D-C RES. OHMS	HIPOT A-C VOLTS	REMARKS
E-759 E-1110	247 M	CTT 247M	Single	No. 34	4 000	190	500	115 V. a-c magnet
L-1101 L-1102	252M	CTT 252M	Single	No. 33	3600	200	500	115 V. d-c magnet
E-1308 E-1309	250 M	CTT 250M	Single	No. 33	3600	132	500	115 V. d-c magnet
K-1101	151808	CARE MR11A	Single	No. 39	600	1250	500	115 V. a-c magnet

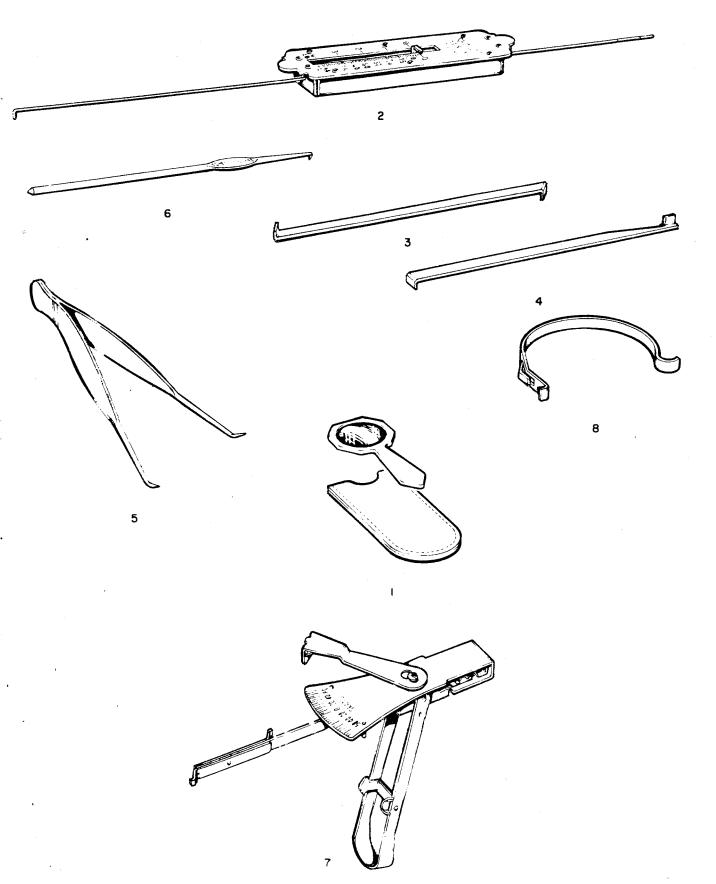


Figure 7-94. Tools

Figure 7-95.

Keyboard and Base Mechanism

CORRECTIVE MAINTENANCE

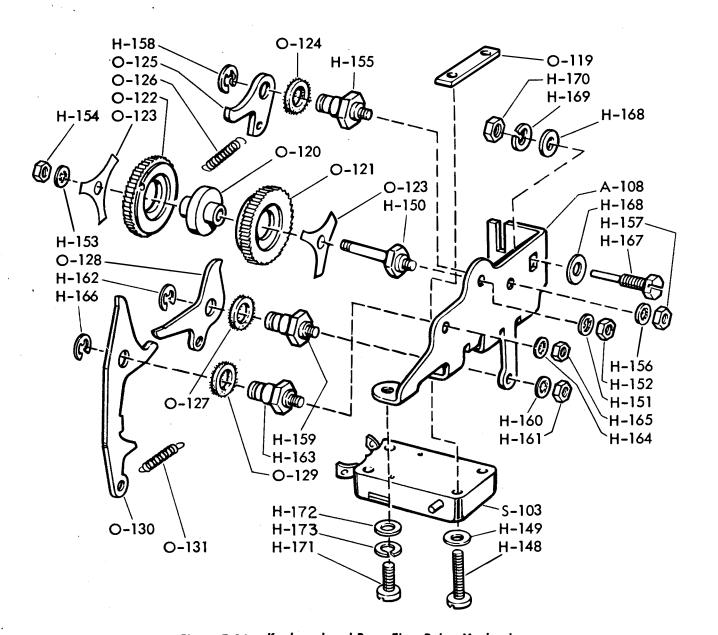


Figure 7-96. Keyboard and Base, Time Delay Mechanism

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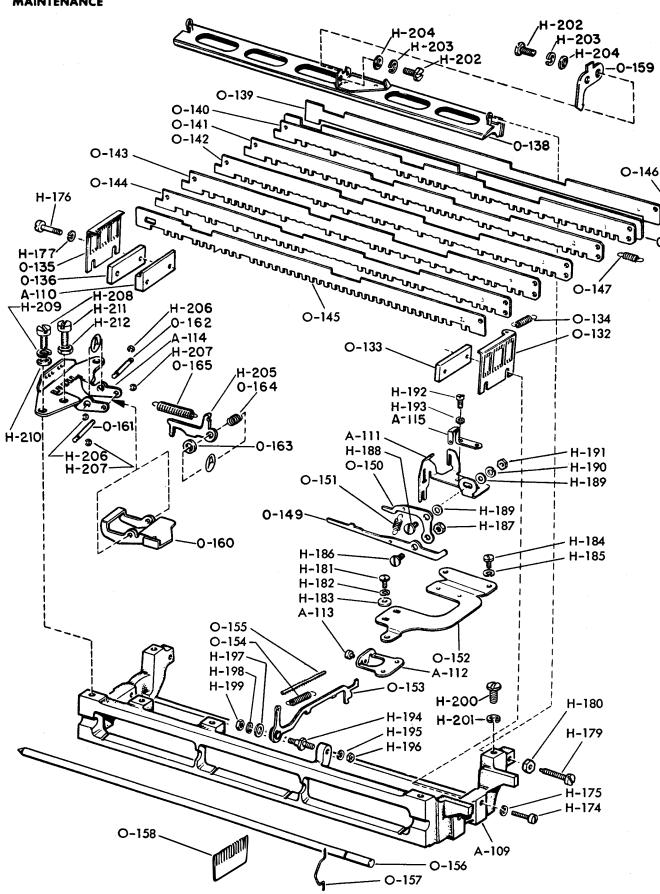
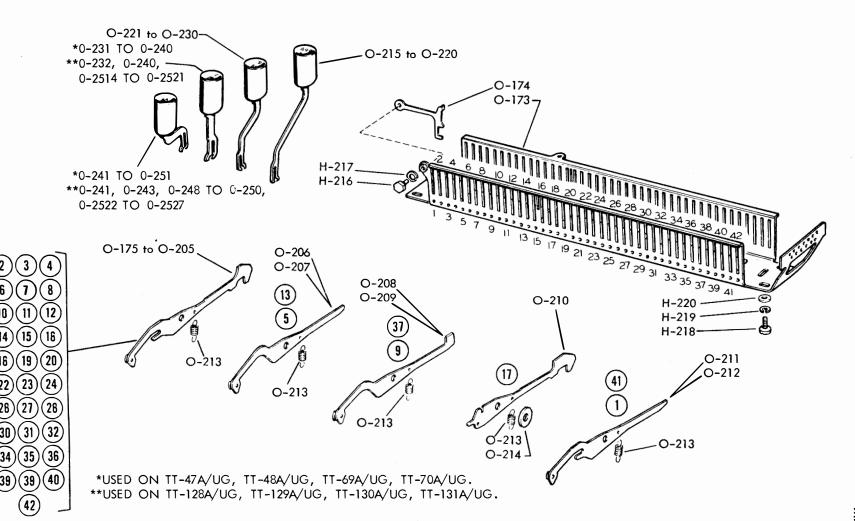


Figure 7-97. Keyboard, Code Bar Mechanism



Keyboard, Keylevers and Code Levers

Figure 7-98.

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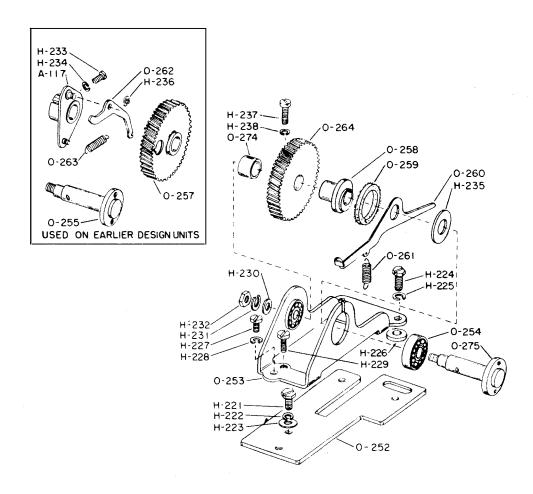
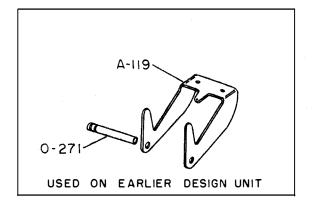


Figure 7-99. Keyboard and Base, Intermediate Gear Mechanism

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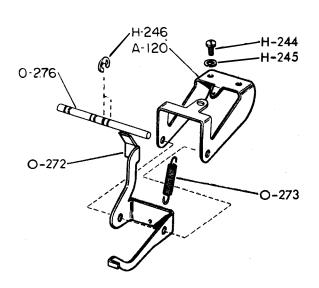


Figure 7-100. Keyboard and Base, Carriage Return Mechanism

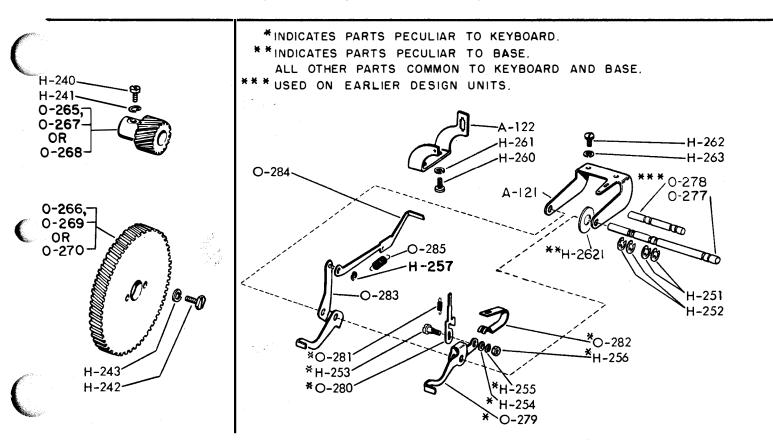
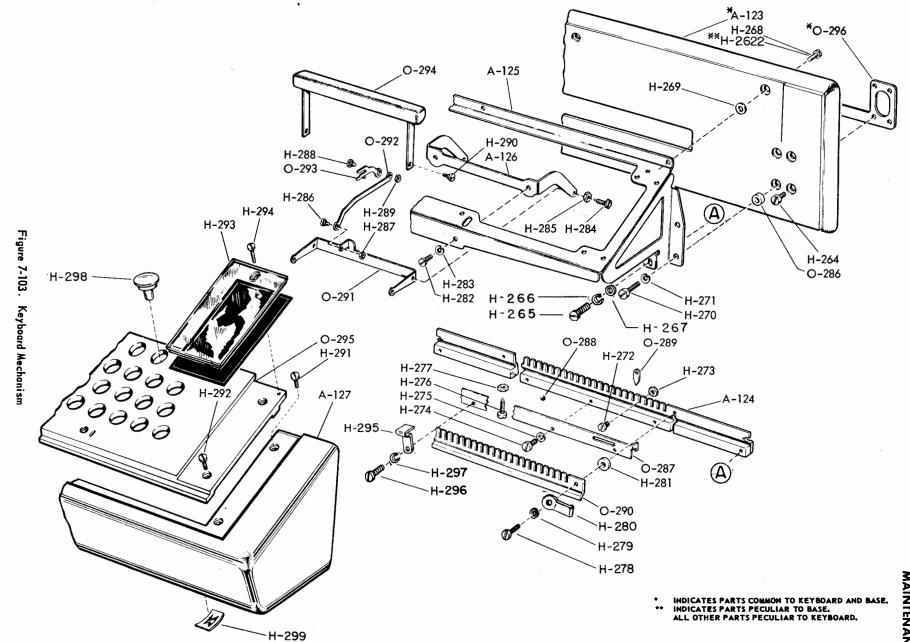


Figure 7-102. Keyboard Lock and Keyboard and Base, Local Line Feed Mechanism

Figure 7-101. Gear Sets



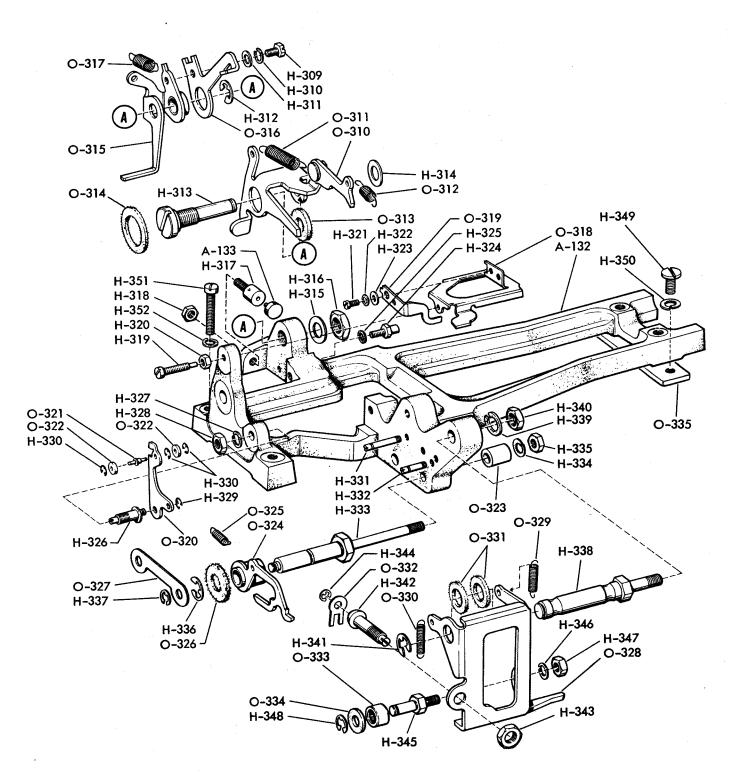


Figure 7-104. Keyboard, Signal Generator Mechanism

Figure 7-105. Keyboard, Signal Generator Mechanism

Figure 7-106. Keyboard, Signal Generator Mechanism

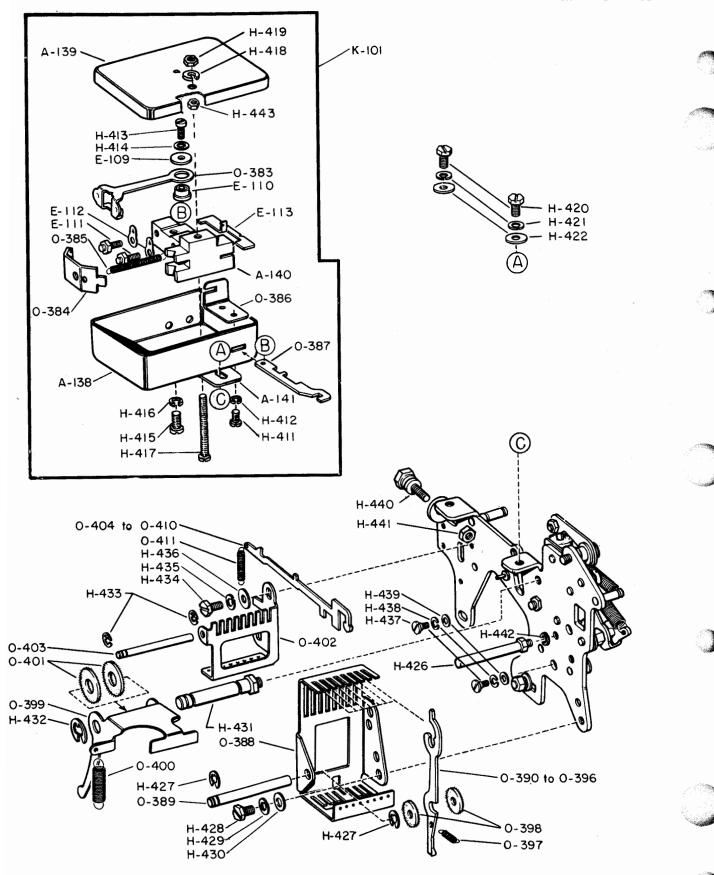


Figure 7-107. Keyboard, Signal Generator Mechanism

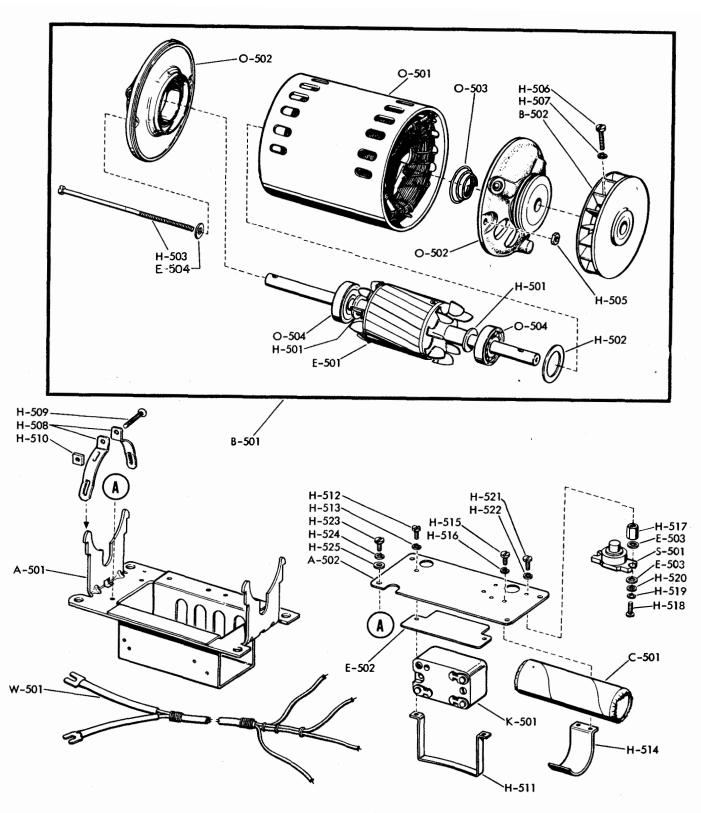


Figure 7-108. Synchronous Motor

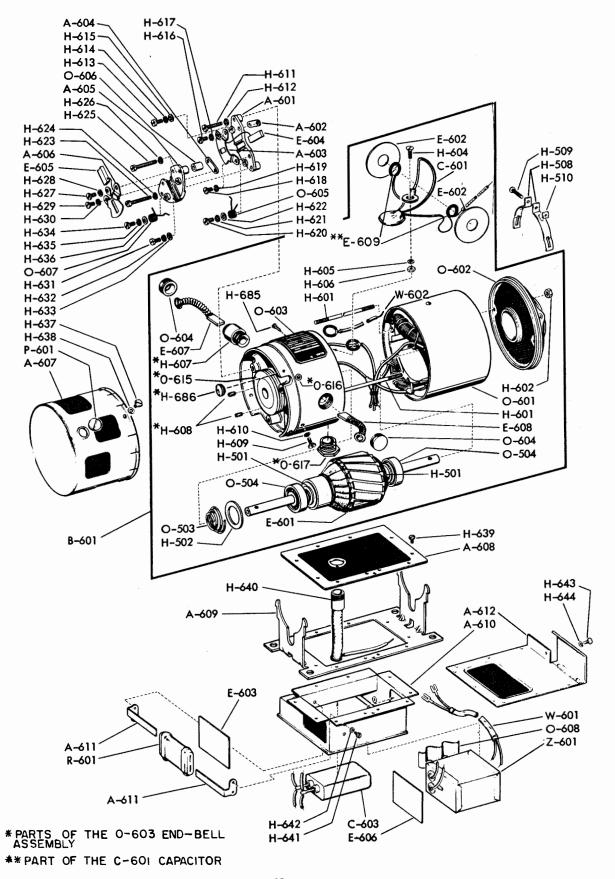


Figure 7-109. Governed Motor Unit

Figure 7-110.

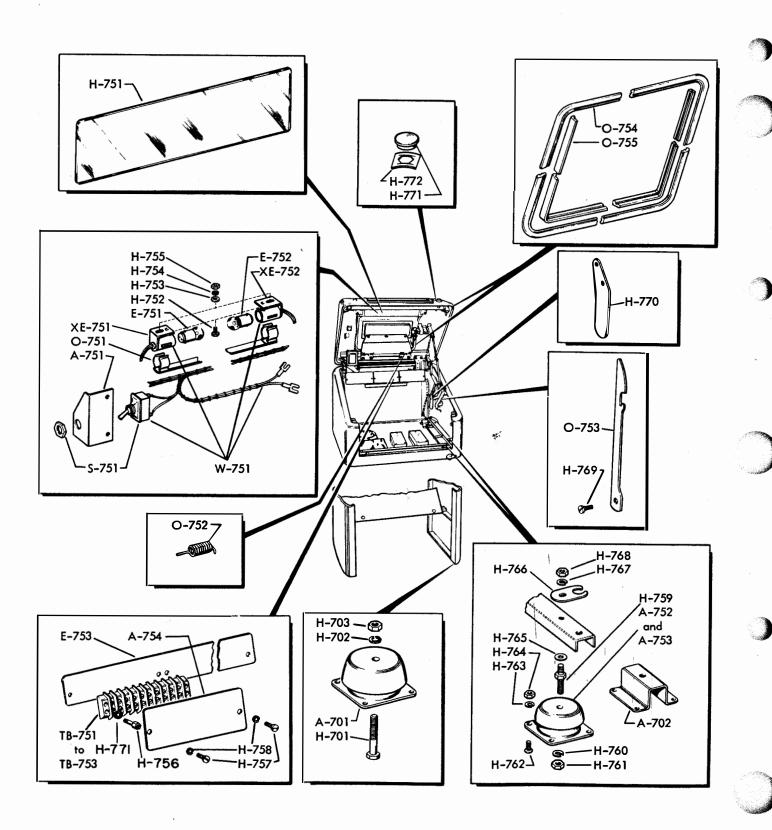


Figure 7-111. Cabinet

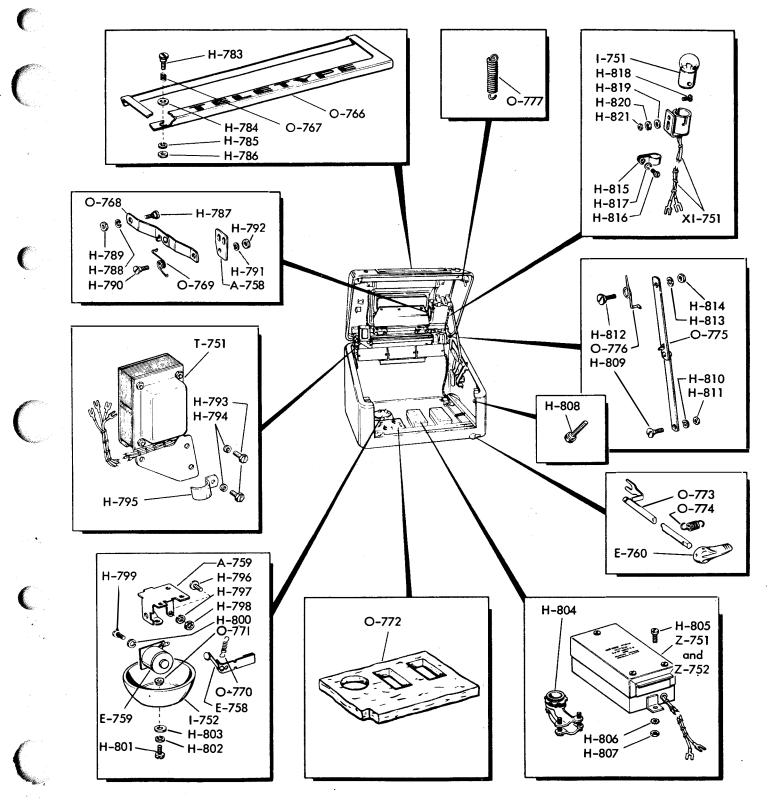


Figure 7-112. Cabinet

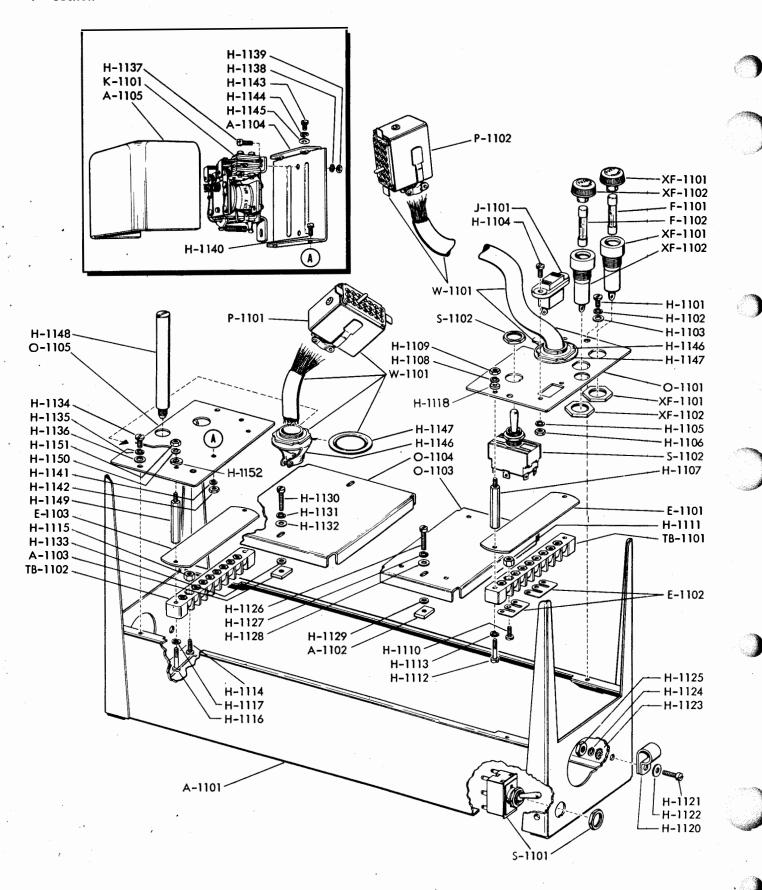


Figure 7-113. Power Distribution Panel

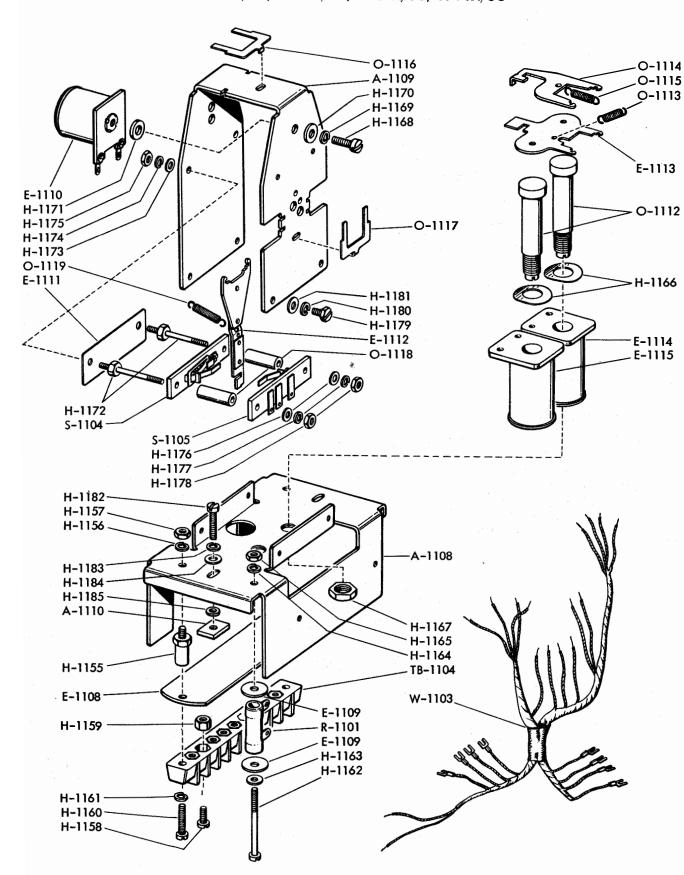


Figure 7-114. Power Distribution Panel, Motor Control Mechanism

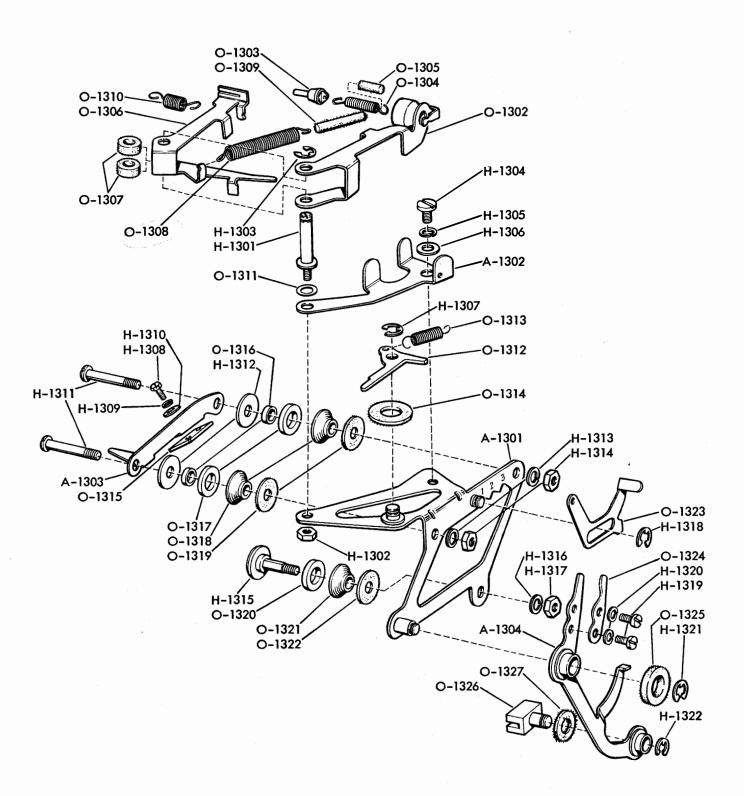


Figure 7-115. Automatic Typer, Printing Carriage

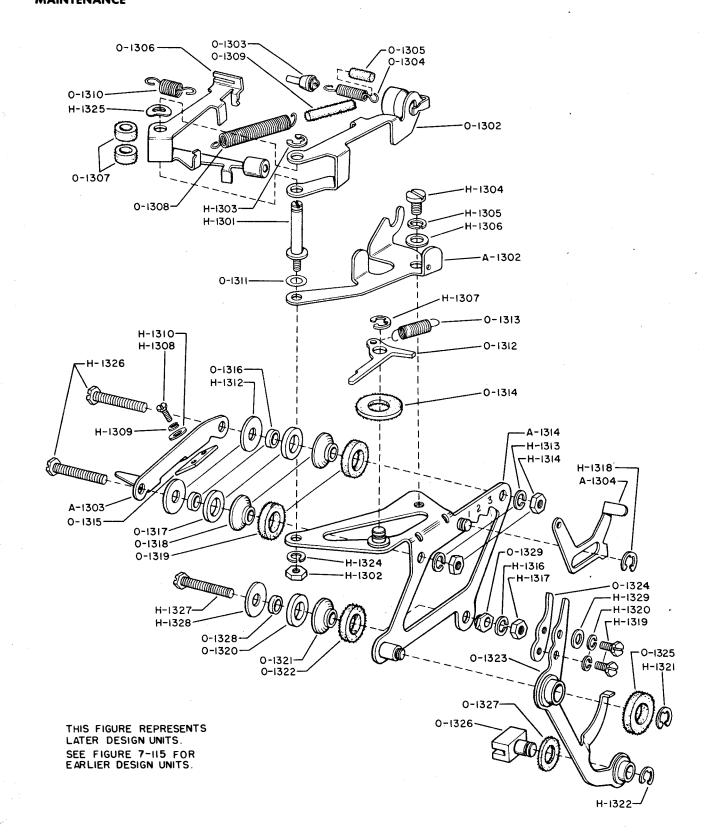
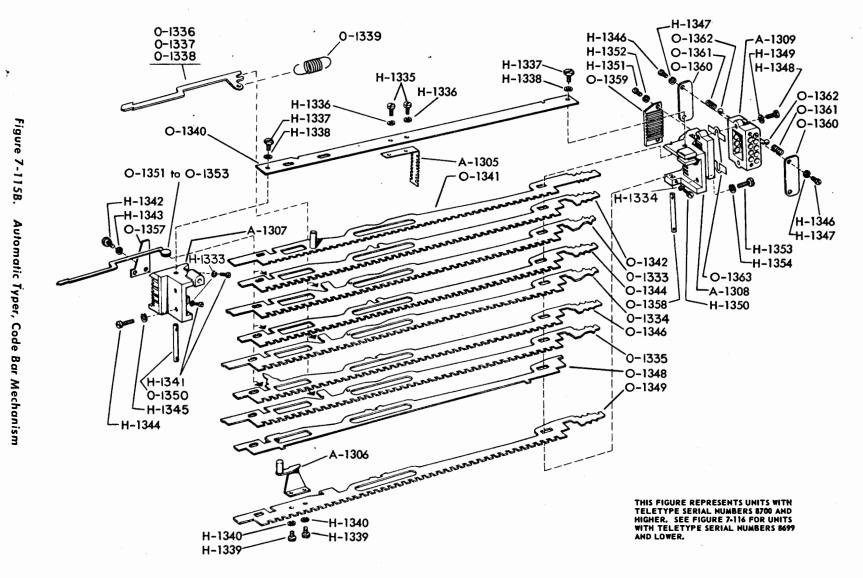
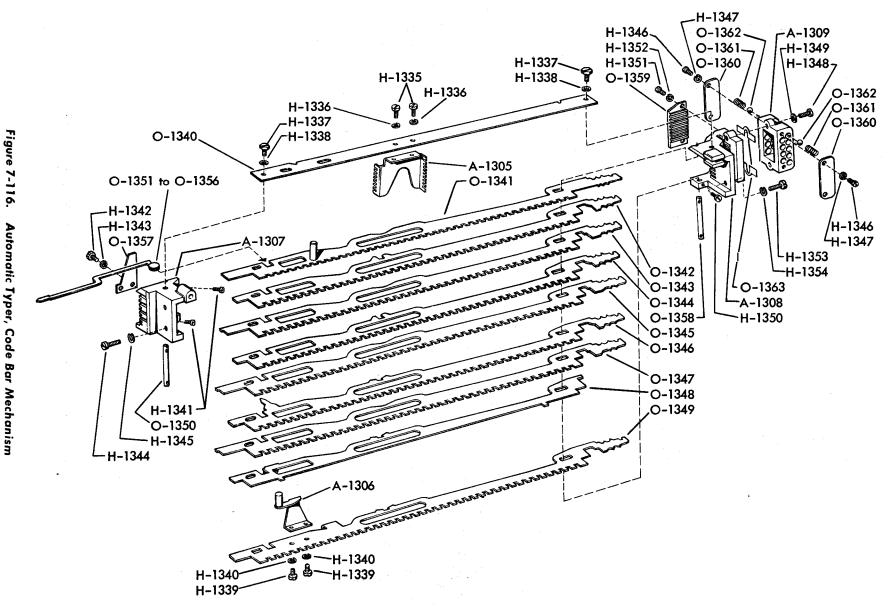


Figure 7-115A. Automatic Typer, Printing Carriage Mechanism





Section

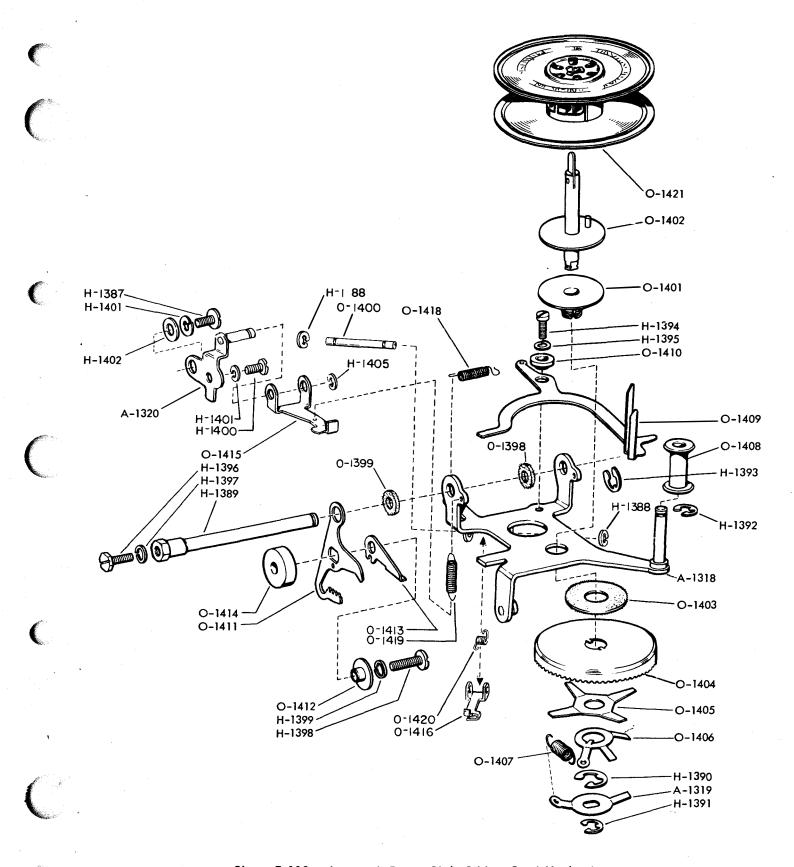


Figure 7-118. Automatic Typer, Right Ribbon Feed Mechanism

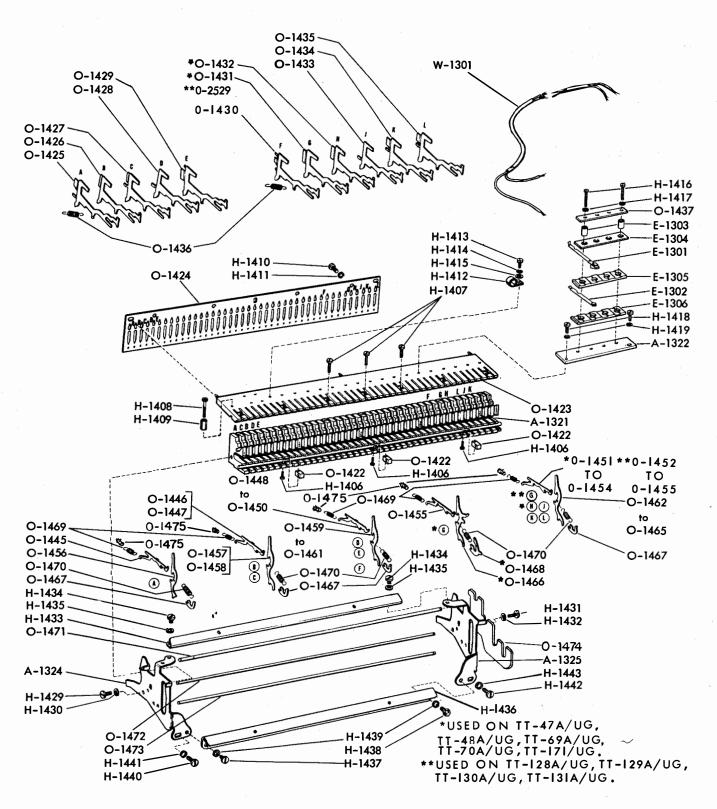
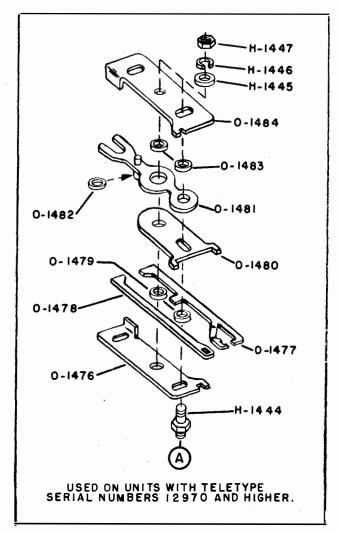
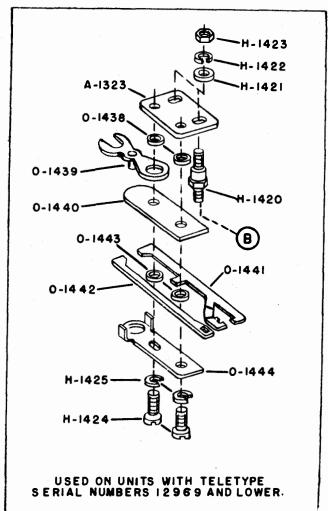


Figure 7-119. Automatic Typer, Function Box Mechanism





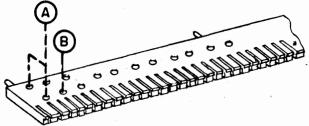


Figure 7-119A. Automatic Typer, Function Box Shift Slide Mechanism

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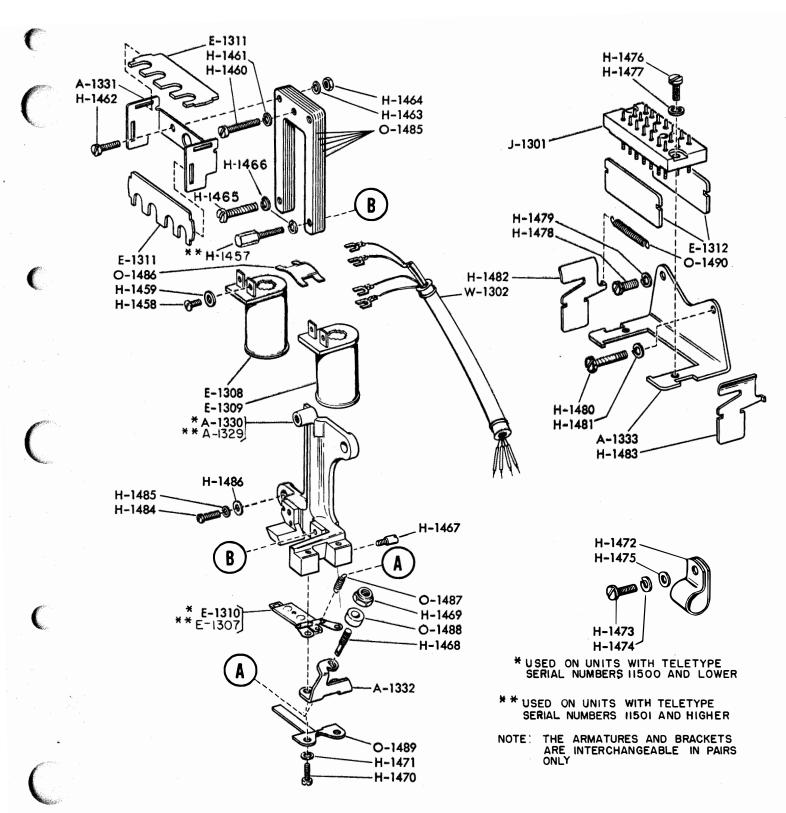


Figure 7-120. Automatic Typer, Selector Magnet Mechanism

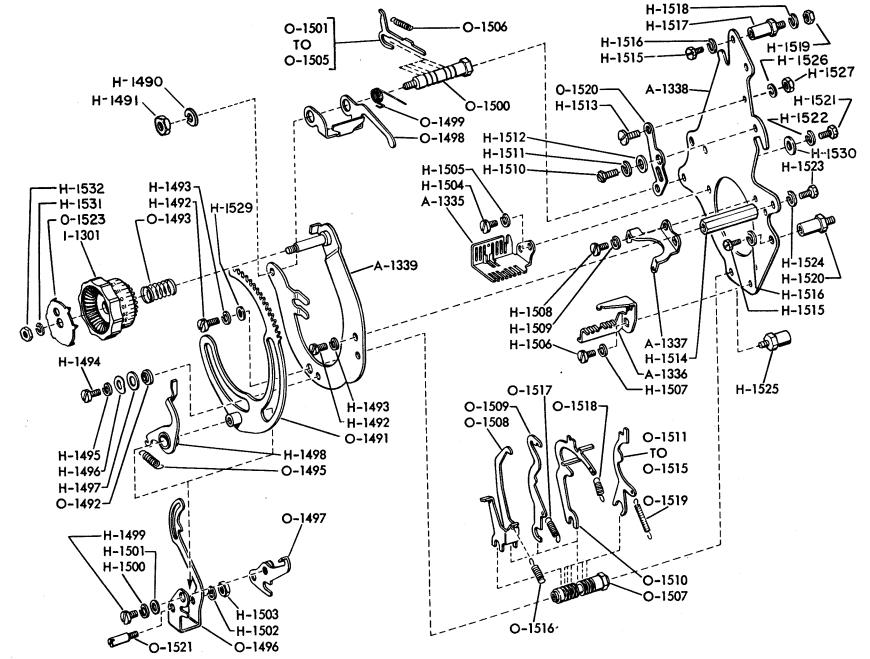
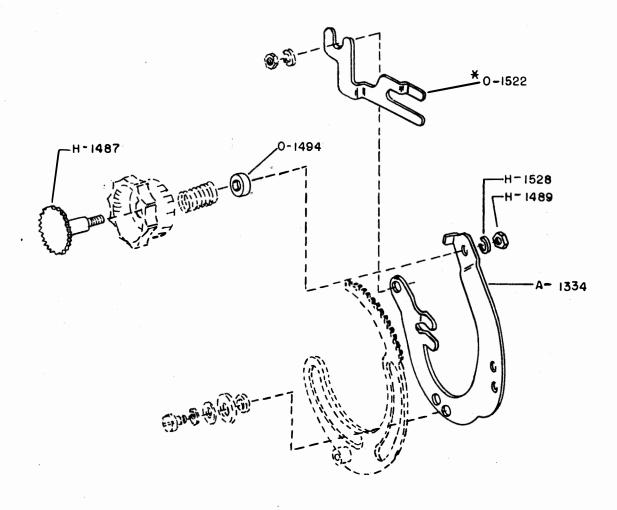


Figure 7-121. Automatic Typer, Selector Mechanism

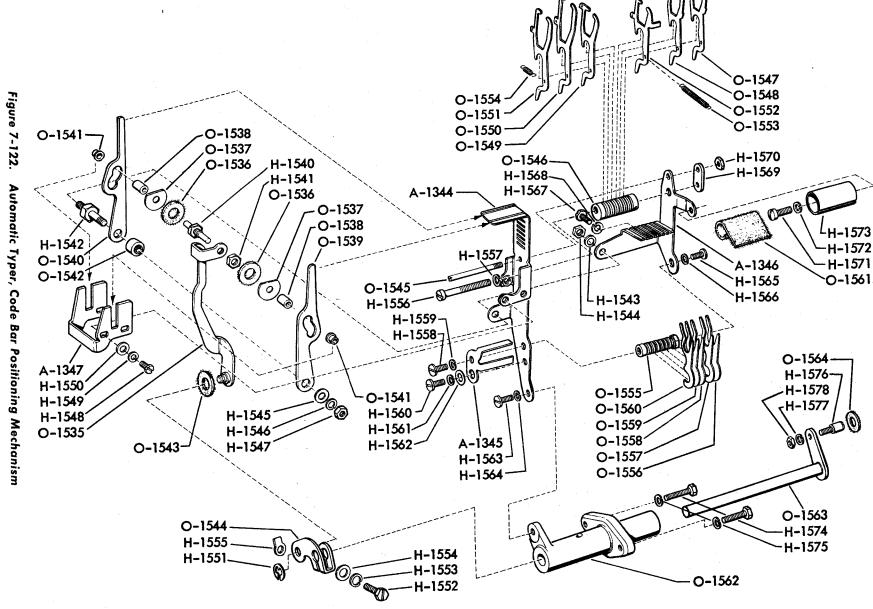


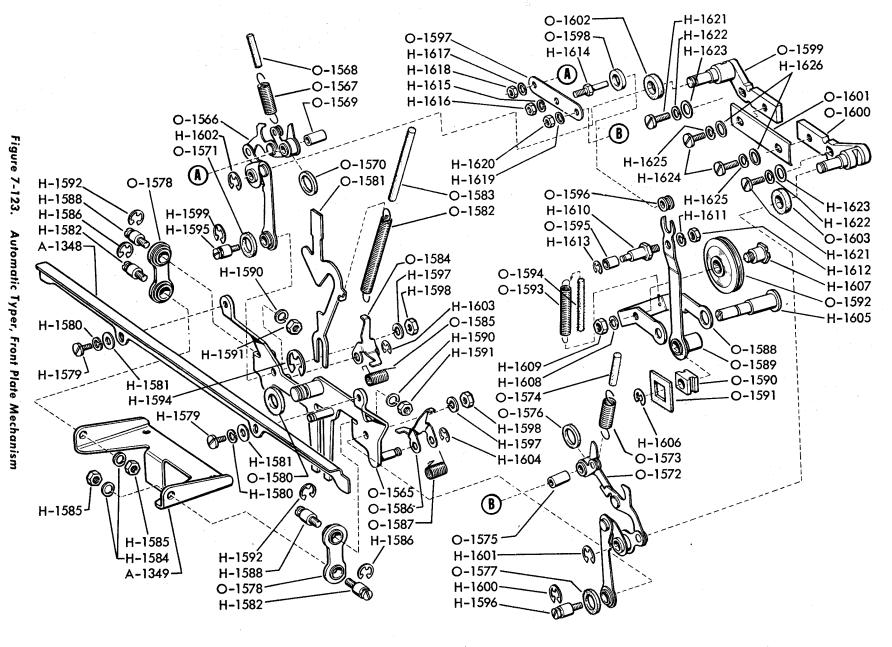
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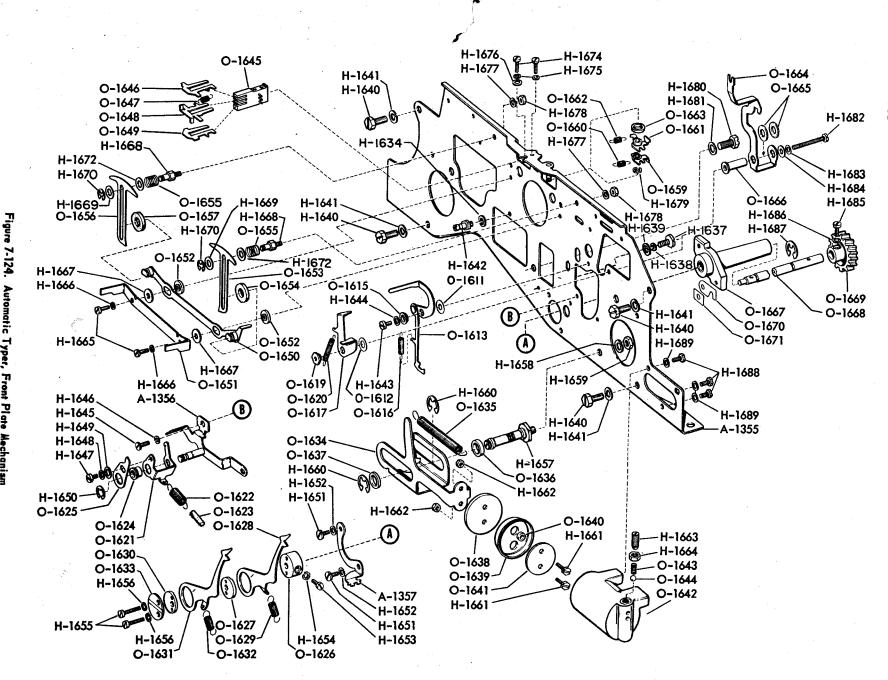
Figure 7-121A. Automatic Typer, Old Style Range Finder Parts

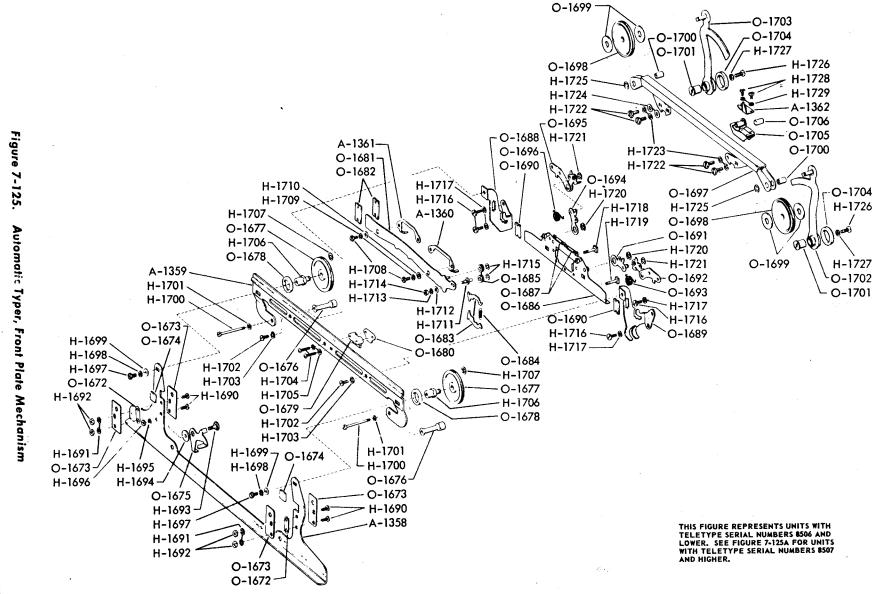
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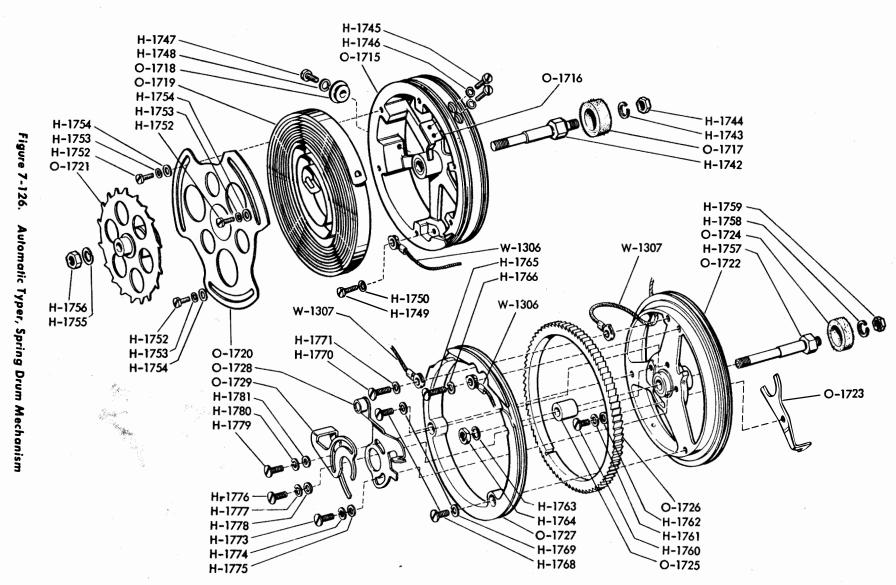
MAINTENANCE











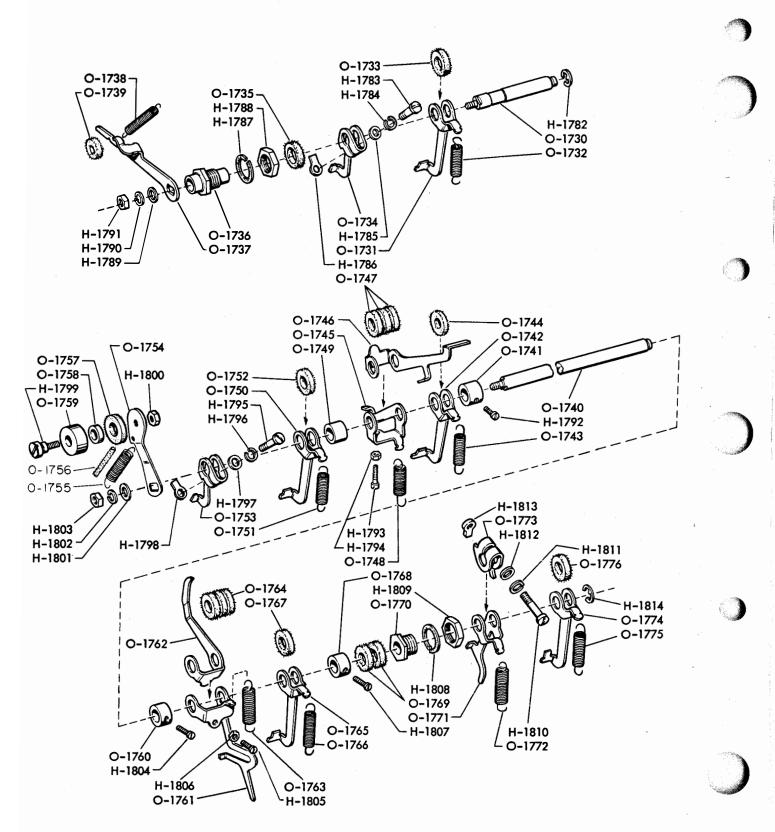
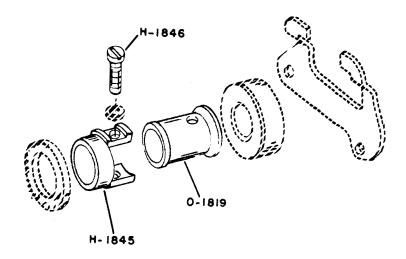


Figure 7-127. Automatic Typer, Trip Shaft Mechanism



SEE FIGURE 7-128 FOR LATER DESIGN PARTS.

Figure 7-127A. Automatic Typer, Main Shaft Bearing Collar and Clamp

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	, -

Figure 7-128.

H-1893

H-1894

H-1895

O-1885 O-1889

O-1886

0-1890 O-1888 100 gray

O-1883

O-1884 0-1887

0-1874

H-1890

000 m

H-1888

H-1889

O-1882

0-1881

H-1885

H-1886

H-1887

Section

NAVSHIPS 91713

CORRECTIVE MAINTENANCE

0-1878

TYPE BOX

CLUTCH

0-1877

H-1896

H-1897

0-1891

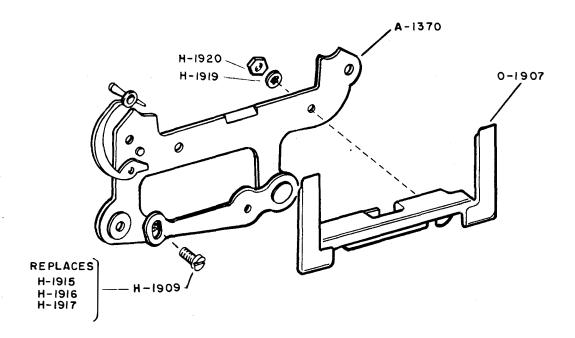
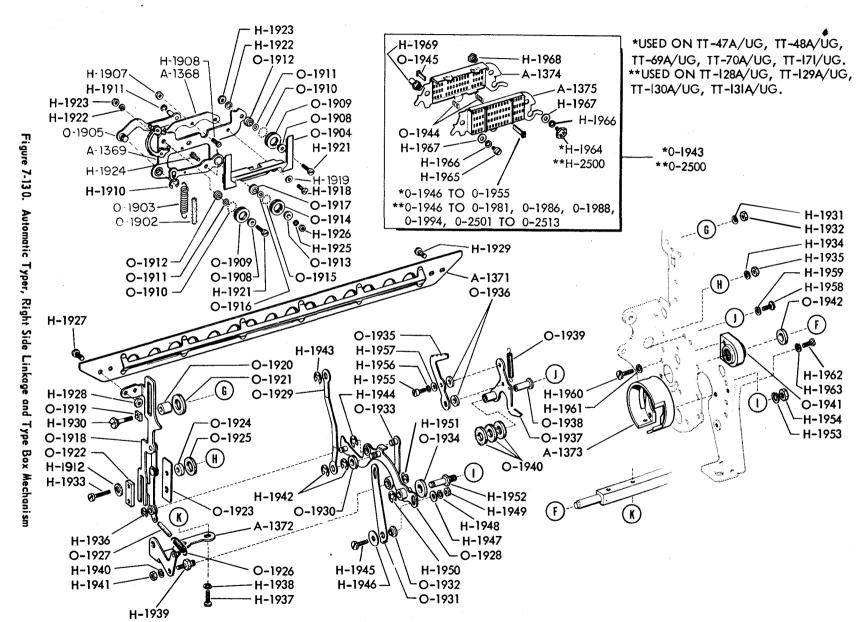


Figure 7-129A. Automatic Typer, Old Style Type Box Parts

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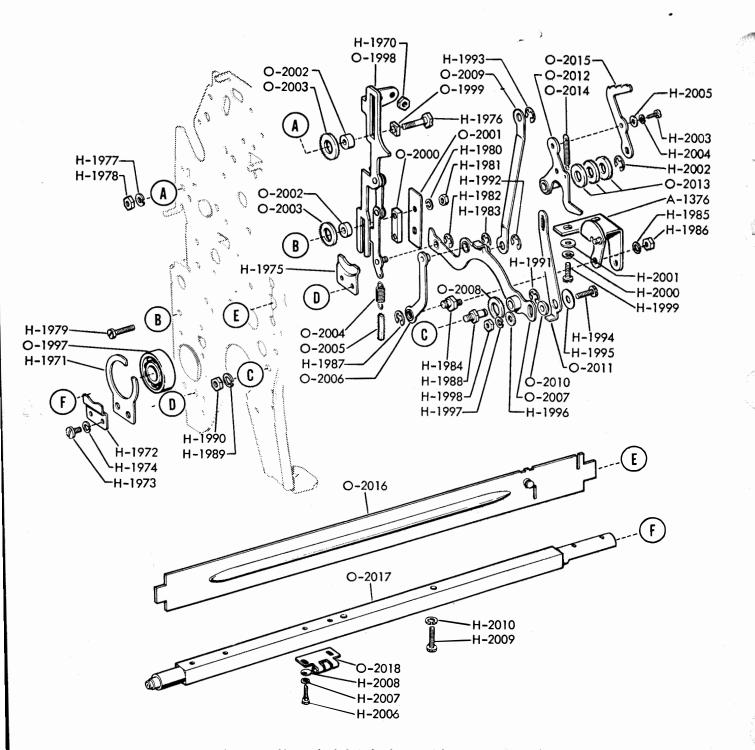
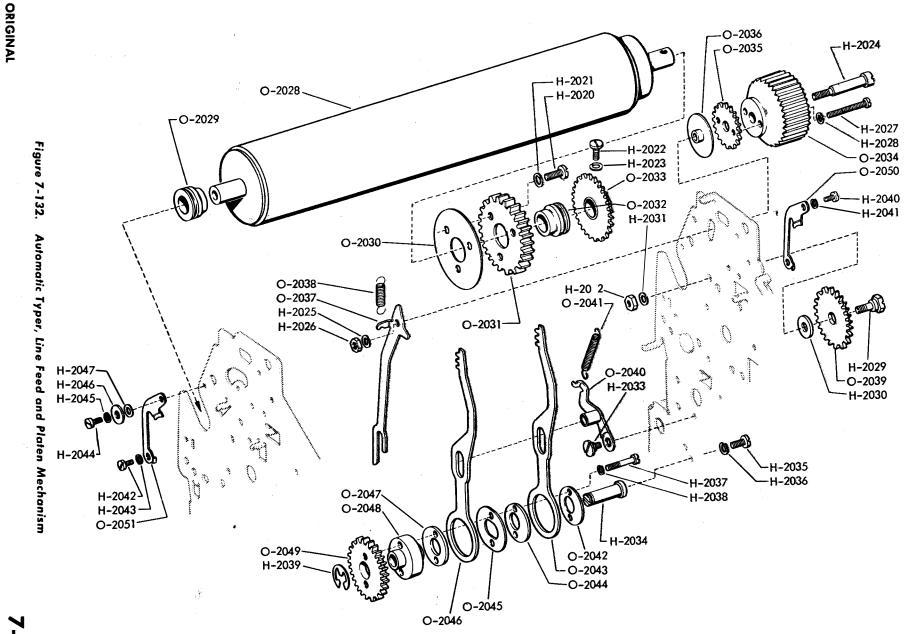


Figure 7-131. Automatic Typer, Left Side Linkage and Stripper Blade Mechanism



CORRECTIVE MAINTENANCE

0-2086

Figure 7-134. Automatic Typer, Space Suppression

H-2156 H-2155 -H-21*5*8 -A-1385

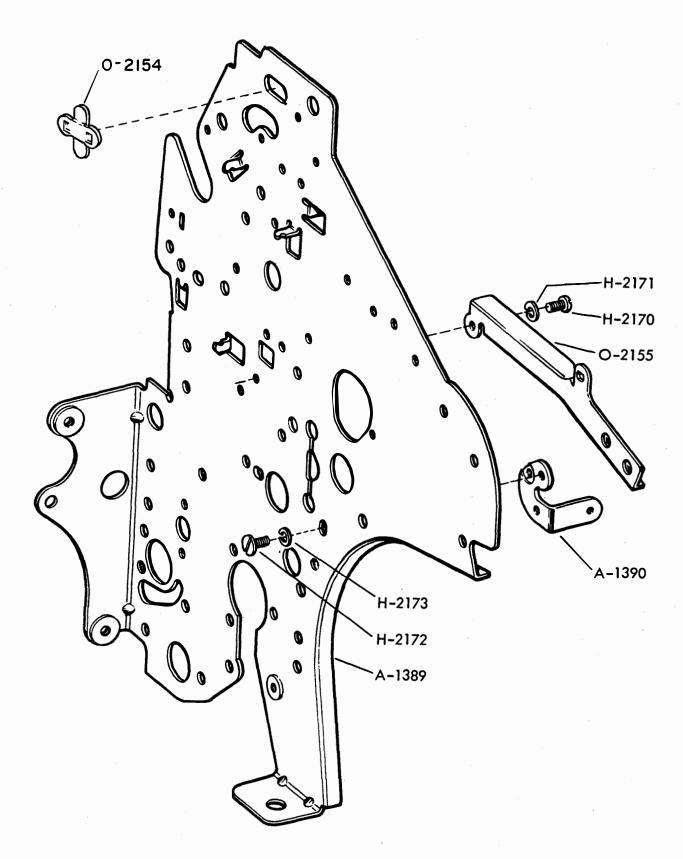


Figure 7-136. Automatic Typer, Right Side Frame Mechanism

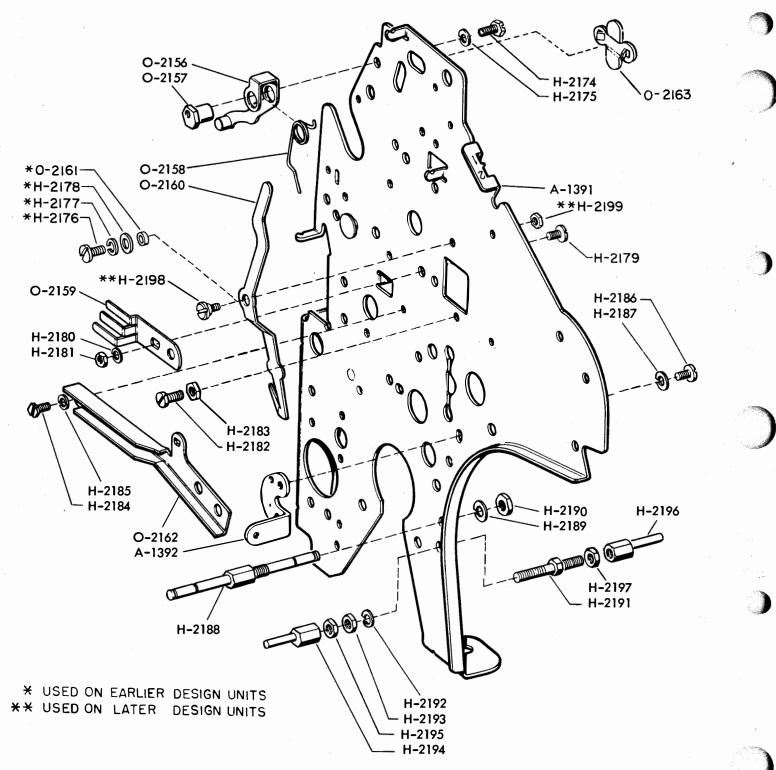


Figure 7-137. Automatic Typer, Left Side Frame Mechanism

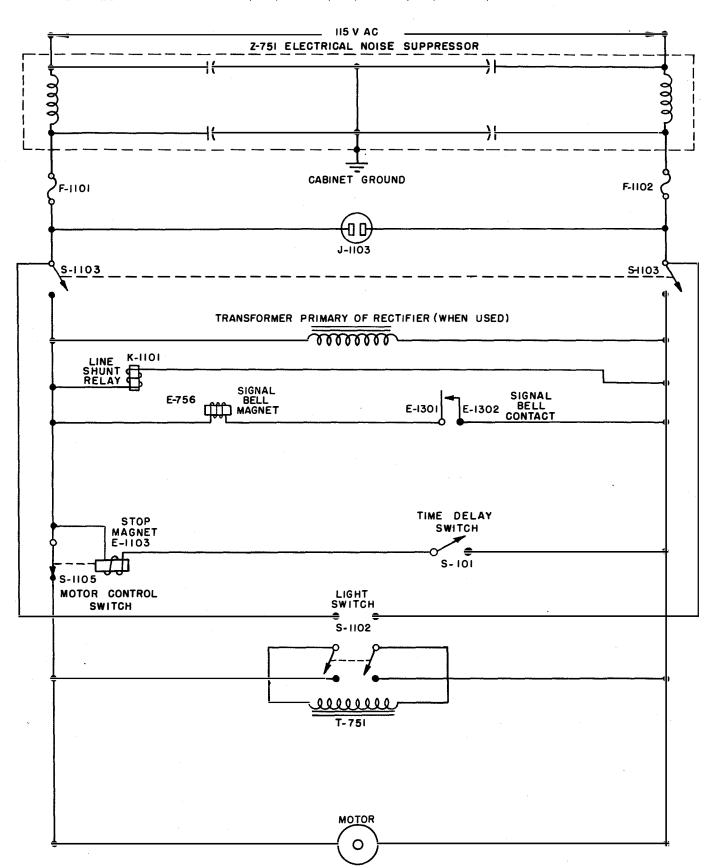


Figure 7-138. Primary Power Distribution Diagram

7 Section

NAVSHIPS 91713 TT-47A/UG, TT-48A/UG, TT-69A/UG, TT-70A/UG

CORRECTIVE MAINTENANCE

MAINTENANCE

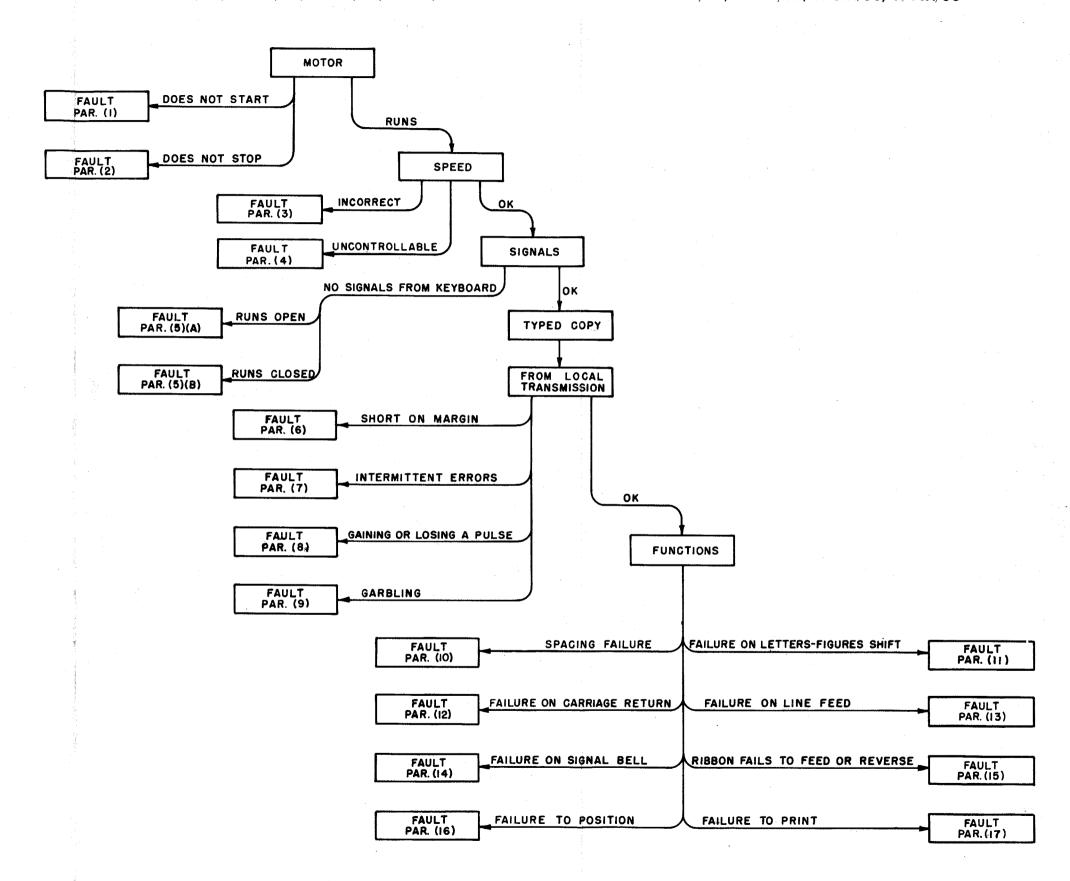
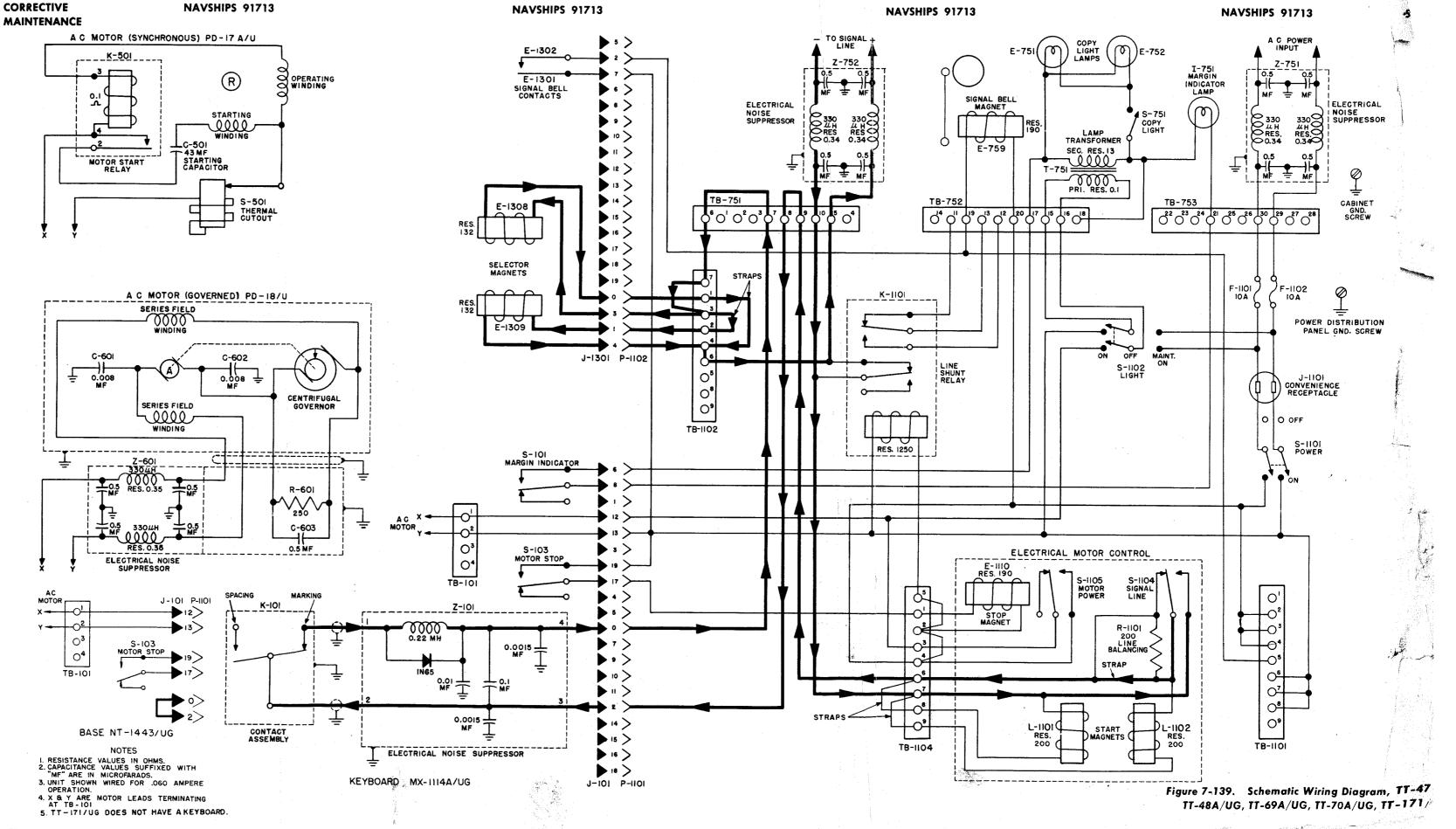


Table 7-4. Trouble Shooting Chart

CHANGES

- 1. E-1114, and E-1115 changed to L-1101 and L-1102 respectively; Base NT-1443/UG added.
- 2. Terminals 0 and 2 added to J-101 and P-1101 on BASE NT-1443/UG.
 Note 5 added.

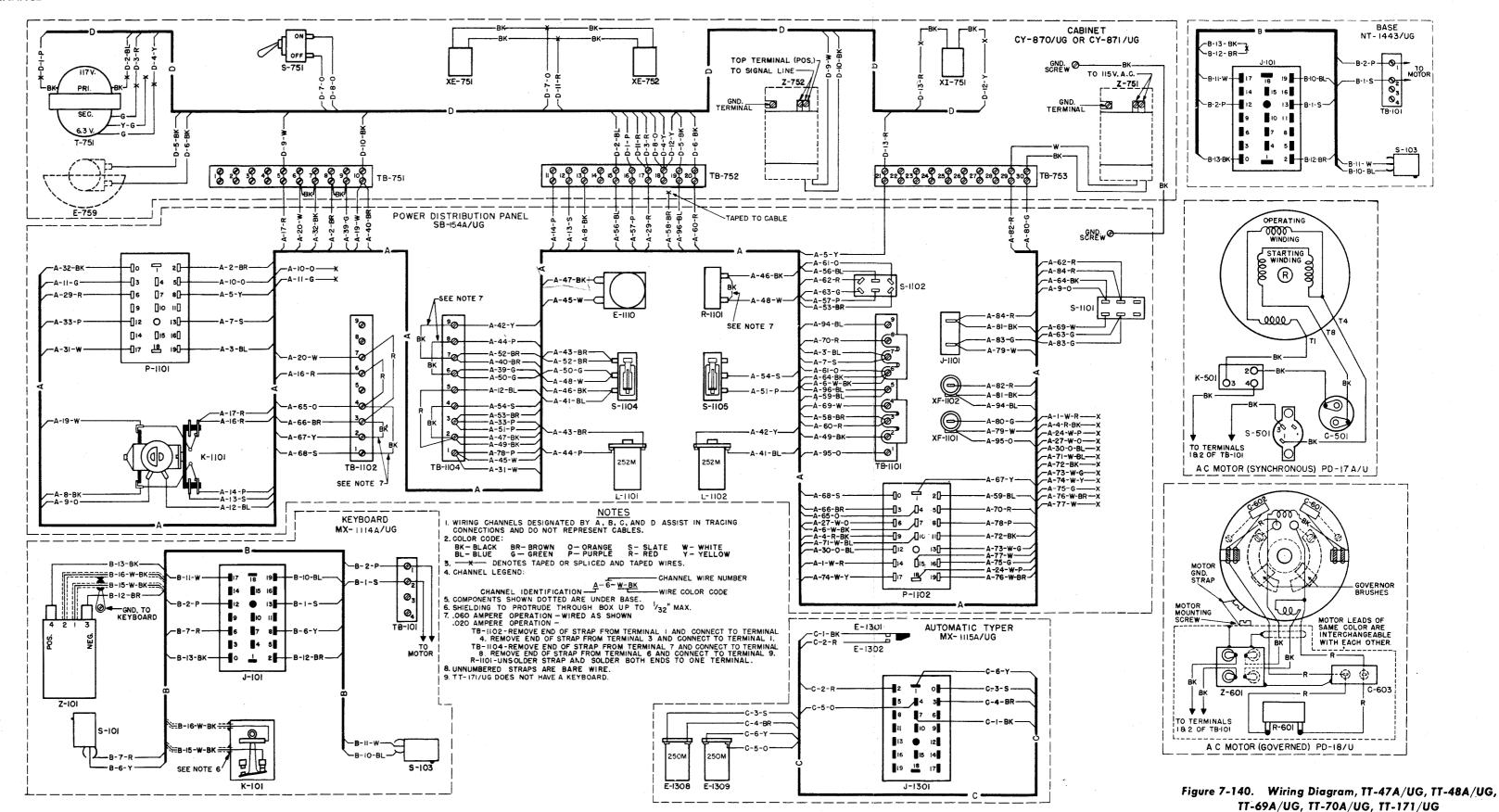


Section

NAVSHIPS 91713

CHANGES

- 1. Base NT-1443/UG added; E-1114, and E-1115 changed to L-1101 and L-1102 respectively; note 7 for .020 ampere operation, for TB-1104 changed.
- 2. E-1308 and E-1309 changed from 245M to 250M.



NAVSHIPS 91713

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	TABI	LE 8-4A. COMBINED	PARTS AN	SPARE	PA	RTS I	.IST							H-2500
		PARTS								SI	PARE	PA	RTS] §
SYMBOL DESIG.	NAME OF PART AND DESCRIPTION	FUNCTION	FEDERAL STOCK NUMBER	STANDARD NAVY STOCK NUMBER		DESIG.	TELETYPE PART NO.	ALL SYMBOL DESIGNATIONS INVOLVED	TOTAL NO.		OUAN.	STC X OB	OCK NA NA NA NA	0-2500
		The parts list has been supp the identification plates, Keyl to TT-128A/UG, TT-129A/UG, to this table first for any of found, then refer to the base	evers, Type Pa TT-130A/UG, the above ite	llets, and and TT-131	Func A/UC	tion Ba 3. Alw	r peculiar ays refer							ŏ
H-2500	SCREW, machine: wrench drive; Hex H; stainless steel: 4-40; approx 1/4" lg o/a: 3/16" lg threaded portion; head 1/16 thk x 3/16" across flats; character "RE" stp stamped on head	Holds and identifies type pallet arrangement			СТТ	151738 RE	151738RE	н-2500	1					
N-2506	PLATE, identification: aluminum; approx 1-1/2" wd x 0.032" thk; inscribed w/code designation "MX-1421A/UG", unit name, contract & serial numbers and space for stamp approval; letters, figures, border & stamping areas are raised, background etchedrand filled w/black lacquer, dull clear lacquer applied to raised surface and background; 3/32" mtg hole ea end	Identifies Keyboard			СТТ	153085	153085	N-2506	1					
N-2507	Same as N2506 except inscribed w/code designation, 'MX-1422A/UG'	Identifies Automatic Typer			СТТ	153086	153086	N-2507	1					
N- 2 508	PLATE, identification: aluminum; approx 3" lg x l" wd x 0.032" thk material; inscribed w/code designation, "TT-128A/UG", unit name, contract & serial numbers and space for stamp approval; letters, figures, border & stamping areas are raised, background etched and filled w/black lacquer applied to raised surface and background; 1/8" mtg hole ea end				СТТ	153087	153087	N-2508	1					
N-2509	Same as N-2508 except inscribed w/code designation "TT-129A/UG"	Identifies Teletypewriter Set			СТТ	153088	153088	N-2509	1					
N-2510	Same as N-2508 except inscribed w/code designation 'TT-130A/UG'	Identifies Teletypewriter Set:			СТТ	153089	153089	N-2510	1					
N-2511	Same as N-2508 except inscribed w/code designation "TT-131A/UG"	Identified Teletypewriter Set			стт	153090	153090	N-2511	1					
O-2500	PALLET SET, type: c/o 64 pallets, 64 springs, front plate, rear plate, cover, 2 screws, 2 lock washers, 2 flat washers, stud & shoulder nut; approx 3-7/16! lg x l" h x 3/4" wd o/a dimen of assem; "RE" stamped in head of one screw for identification of pallet arrangement	Types copy			СТТ	151683	151683	O-2500	1					

CHANGE 2

PARTS LISTS

on 7/8" rad	
O-2502 Same as O-2501 except character (-) Makes impression of character (-) on paper 332-	15 N17-T- 4531 350016-201 CTT 151942 151942 O-2502 1
O-2503 Same as O-2501 except character () Makes impression of character () on paper 332-	15- N17-T- CTT 151943 151943 O-2503 1
O-2504 Same as O-2501 except character (†) Makes impression of character (†) on paper 332.	15- N17-T- CTT 151944 151944 O-2504 1
O-2505 Same as O-2501 except character () Makes impression of character () on paper 332.	15- N17-T- CTT 151945 151945 O-2505 1
O-2506 Same as O-2501 except character (1) Makes impression of character (1) on paper 332	15- N17-T- CTT 151946 151946 O-2506 1
O-2507 Same as O-2501 except character (%) Makes impression of character (%) on paper N58	15- N17-T- CTT 151947 151947 O-2507 1
O-2508 Same as O-2501 except character () Makes impression of character () on paper 694	15- N17-T- CTT 151948 151948 O-2508 1
O-2509 Same as O-2501 except character (+) Makes impression of character (+) on paper N58	15- N17-T- CTT 151949 151949 O-2509 1
	15- N17-T- CTT 151950 151950 O-2510 1
	15- N17-T- CTT 151951 151951 O-2511 1
	15- N17-T- CTT 151952 151952 O-2512 1
	15- N17-T- CTT 151953 151953 O-2513 1
O Boll I == 1 == 1 = 1 = 1 = 1 = 1 = 1 = 1 = 1	N17-T- -8521 N17-T- -8521 CTT 152001 152001 O-2514 1
O-Boto bame as O Bott except characters / , so operates o too	15- N17-T- CTT 152004 152004 O-2515 1 15- N17-T- CTT 152005 152005 O-2516 1 15- N17-T- CTT 152006 152006 O-2517 1
	15- N17-T- CTT 152005 152005 O-2516 1
O-2517 Same as O-2514 except characters " G" Operates O-189	115- N17-T- CTT 152006 152006 O-2517 1

TABLE 8-4A. COMBINED PARTS AND SPARE PARTS LIS
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		PA	ARTS							SPA	ARE	PARTS
SYMBOL	NAME OF PART		FEDERAL	STANDARD		NUFAC- RERS	TELETYPE	ALL SYMBOL	Š Š Š	EQUI	IP.	STOCK
DESIG.	AND DESCRIPTION	FUNCTION	STOCK NUMBER	STOCK NUMBER	CODE	DESIG.	PART NO.	DESIGNATIONS INVOLVED	TOTAL NO.	ğ	OU AN.	BOX OUAN.
O- 25 18	Same as O-2514 except characters "\dagger, H"	Operates O-192	N5815- 301-8527	N17-T- 350016-308		152008	152008	O-2518	1			
-2519	Same as O-2514 except characters "/, J"	Operates Q-195	N5815- 301-8528	N17-T- 350016-307		152010	152010	O-2519	1			
-2520	Same as O-2514 except characters "→, K"	Operates O-198	N5815- 301-8529	N17-T- 350016-205		152011	152011	O-2520	1			
-2521	Same as O-2514 except characters ", L"	Operates O-201	N5815- 301-8530	N17-T- 350016-199		152012	152012	O-2521	1			
)-2522	KEYLEVER: steel, nickel pl lever w/cellulose acetate butyrate (tenite Π) top; irregular shape, round keytop concave on top & tapered to point on bottom, pressed on one end of lever; approx 1-5/8" lg x 1-1/4" wd x 0.042" thk material o/a, 1/2" diam keytop; mts by irregular shape elongated slot in lower end of lever; green keytop w/white characters "+, Z"	Operates O-178	N5815- 301-8533	N17-T- 350016-209		152015	152015	O-2522	1	-		
-2523	Same as O-2522 except characters "O, C"	Operates O-184	N5815- 301-8523	N17-T- 350016-185		152003	152003	O-2523	1			
-2524	Same as O-2522 except characters "①, V"	Operates O-187	N5815- 301-8532	N17-T- 350016-208		152014	152014	O-2524	1			
-2525	Same as O-2522 except characters ", B"	Operates O-190	N5815- 301-8522	N17-T- 350016-197		152002	152002	O-2525	1			
-2526	Same as O-2522 except characters '\(\bar{\mathbb{D}}\), N''	Operates O-193	N5815- 301-8531	N17-T- 350016-182		152013	152013	O-2526	1			
-2527	Same as O-2522 except character "_"	Operates O-205	N5815- 301-8534	N17-T- 350016-206		152016	152016	O-2527	1			
-2529	BAR, function: steel, nickel pl; irregular shape, formed wing & ear on wd end, squared & elongated cutouts other end, notched ear at ctr; approx 2-15/16" lg x l-1/4" h x 1/8" wd o/a, o. 048" thk material: mts by cutout in narrow end; "LC BL" stamped in wd end	Operates O-1455	N5815- 302-3768	N17-T- 350016-555		152675	152675	O-2529	1			

CHANGE 2

SECTION 8 PARTS LISTS

LIST OF TABLES

	Subject	Page
Table 8-1	Weights and Dimensions of Spare Parts Boxes	8-2
Table 8-2	Shipping Weights and Dimensions of Spare Parts Boxes (Not Applicable)	8-2
Table 8-3	List of Major Units	8-2
Table 8-4	Combined Parts and Spare Parts List	8-4
Table 8-5	Cross Reference Parts List	8-216
Table 8-6	List of Manufacturers	8-223

TABLE 8-1. WEIGHTS AND DIMENSIONS OF SPARE PARTS BOXES

EQUIPMENT SPARES

SPARE PARTS	ov	ERALL DIMENSION	NS	VOLUME	WEIGHT POUNDS
вох	HEIGHT	WIDTH	DEPTH	CU. FT.	POUNDS
1	211/2	191/2	77/8	1.91	5

TABLE 8-2. SHIPPING WEIGHTS AND DIMENSIONS OF SPARE PARTS BOXES

NOT APPLICABLE

(Spare Parts Box Included in Unit Pack)

TABLE 8-3. LIST OF MAJOR UNITS

SYMBOL GROUP	QUANTITY	NAME OF MAJOR UNIT	NAVY TYPE DESIGNATION
101-499	1	KEYBOARD	MX-1114A/UG
501-599	1	AC MOTOR	PD-17A/U
601-699	. 1	AC MOTOR	PD-18/U
701-1099	1	CABINET	CY-870/UG
701-1099	1	CABINET	CY-871/UG
1101-1299	1	POWER DISTRIBUTION PANEL	SB-154A/UG
1301-2299	1	AUTOMATIC TYPER	MX-1115A/UG
101-499 2601-2699	1	BASE	NT-1443/UG

		PARTS								SE	APF	PARTS
	NAME OF PART	FUNCTION	JAN OR	STANDARD		NUFAC- IRERS		ALL SYMBOL	25	╂	UIP.	STOCK
YMBOL DESIG.	AND DESCRIPTION	AND FEDERAL STOCK NUMBER	NAVY TYPE DESIGNATION	NAVY STOCK NUMBER	CODE	DESIG.	PART NO.	DESIGNATIONS INVOLVED	TOTAL PER EQ	ВОХ	OUAN.	BOX OUAN.
A-101	BRACKET: connector support; irregularly shaped and formed; steel, nickel pl; approx 2-3/8" lg x 1-11/16" h x 1" wd o/a, 0.065" thk material; mts by two #6-40 tapped holes 1-1/2" c to c in one end; large cutout in ctr, small cutout in ea side and 2 tapped holes in large end	Support for J-101 N5815-370-1833		N17-T 350015- 0718	СТТ	152460	152460	A-101	1	0	0	
A - 102	BRACKET: "U" shape w/2 ears; steel, nickel pl; approx 12-5/8" lg x 1-1/4" wd x 3-1/8" h o/a, 0.065" thk material; mts by elongated hole in ea ear	Guard for signal generator mechanism N5815-370-0917		*N17-T 350014- 0585	СТТ	151399	151399	A-102	1	0	0	
A-103	BRACKET: sw support; irregular shape, one end formed, one body ear, one formed ear, one arm and three tapped holes in other end; steel, nickel pl; approx 1-9/16" lg x 1-5/32" h x 13/16" wd o/a, 0.065" thk material; mts by 2 tapped holes in formed end	Support for S-101 N5815-370-0164		N17-T 350013- 0708	СТТ	151342	151342	A-103	1	0	0	
A - 104	GUARD: for motor gears; steel, nickel pl; irregular shape, one end slotted w/formed foot on ea side; approx 4-3/8" lg x 2-5/16" wd x 3-7/16" h o/a, 0.065" thk material; mts by hole in one foot; body hole in formed p/o body	Guard for symbols 0-265 through 0-270 and 0-263		Shop Manu- facture	СТТ	152045	152045	A-104	1	0	0	
A - 105	BASE, keyboard and printer: aluminum; 2 plates w/formed edges welded together to form flat box shaped, rectangular base; 15-1/2" wd x 1-1/2" h x 13-3/16" d o/a; mts by 4 corner holes on 14-3/4" x 11-11/16" mtg/c; irregularly drilled and cutout	Support for Keyboard Mechanism and Automatic Typer		**	СТТ	152000	152000	A - 105	1	0	0	
A - 108	BRACKET: irregular shape; steel, nickel pl; approx 2-27/32" lg x 1-21/32" h x 11/16" wd o/a, 0.065" thk material; mts by tapped hole in formed ear near ea end; one end formed w/slot and body hole, one arm and 3 formed ears on bottom w/body hole in ea, 3 body holes and one elongated slot in body	Support for time delay mechanism N5815-370-1407		N17-T 350015- 0259	СТТ	151884	151884	A-108	1	0	0	
A - 109	FRAME: aluminum, plain anodize; irregularly shaped and notched; approx 9-5/8" lg x 1-5/8" h x 3-3/8" wd o/a; mts by tapped hole in ea corner; large cutout in ctr, 3 cutouts and 3 ears - 2 w/tapped holes and one w/body hole on one side, arm w/squared ear w/tapped hole on ea end of other side, 2 body arms one end, 2 body and 2 tapped holes in ea end	Support for code bar mechanism		**	СТТ	151092	151092	A - 109	1	0	0	

1 1		I	I	I	ı	l i		1	í	1.		1 1
A-110	BRACKET: code bar stop; rectangular shape; steel, nickel pl; approx 1-5/16" lg x 15/32" h x 3/16" thk o/a; mts by 2 tapped holes; cutout along one side	Stop for 0-139 through 0-145 and locks 0-135 and 0-136 to A-109 N5815-320-8101		N17-T 350016- 0165	СТТ	152878	152878	A-110	1	0	0	
A-111	BRACKET: irregular shape, steel, nickel pl; approx 1-3/8" lg x 1-1/32" wd x 1-5/16" h o/a, 0.050" thk material; mts by 2 body holes; 3 formed ears, largest one has 2 slots and csk hole, one has slot, other has elongated hole	Support for 0-150 and guide for 0-149, 0-150 and 0-153 N5815-370-0820		N17-T 350014- 0487	СТТ	151167	151167	A-111	1	0	0	
A-112	BRACKET: irregular shape, one end formed w/rounded ear; steel, nickel pl; approx $27/32$ " lg x $7/8$ " wd x $1/4$ " h o/a, 0.065" thk material; mts by two #4-40 holes in wd end; body hole in ear	Support for A-113 N5815-370-1043		N17-T 350014- 0712	стт	151191	151191	A-112	1	0	0	
A-113	BUMPER: sirvene; approx 3/16" lg x 1/4" diam o/a; mts by 1/8" diam shank	Stop for 0-328 N5815-370-0906		N17-T 350014- 0574	СТТ	151193	151193	A-113	1	1	5	
A-114	BRACKET: irregular shape, one side formed w/5 body holes, cutout w/5 slots on other side, formed arm on ea side of cutout w/2 body holes in line in ea arm, round nut welded to body; steel, nickel pl; approx 3" lg x 3/4" h x 1-3/4" wd o/a, 0.042" thk material; mts by body hole near ea end	Support for code bar bounce suppression mechanism N5815-332-8862		N17-T 350016- 0168	СТТ	152876	152876	A-114	1	0	0	
A-115	BRACKET: spring anchor; "U" formed mtg strip one end; steel, nickel pl; approx 29/32" lg x 25/32" wd x 9/16" h o/a, 0.050" thk material; mts by two 1/8" diam holes 19/32" c to c; hole opposite mtg end	Anchor for 0-151 N5815-320-8097		N17-T 350016- 0728	СТТ	152296	152296	A-115	1	0	0	
A-117	PLATE, mounting: steel, nickel pl; triangular shape w/rounded corners, hub welded to one side, spring post and stud riveted to other side; approx 1-15/32" lg x 1-3/16" h x 11/16" wd o/a, 0.065" thk material; mts by ID of hub	Support for 0-262 and clamps 0-258 to 0-255 N5815-320-8220		N17-T 350016- 0152	СТТ	151893	151893	A-117	1	0	0	
A-119	BRACKET: irregular shape, "U" formed w/2 body holes in line, formed ear w/csk hole in ctr; steel, nickel pl; approx 2-1/4" lg x 1-3/16" h x 1-7/32" wd o/a, 0.065" thk material; mts by 2 tapped holes	Support for 0-272 (If so equipped. See A-120) N5815-370-1782		N17-T 350015- 0657	СТТ	151856	151856	A-119	1	0	0	
A-120	BRACKET: "U" formed, 2 ears in cutout in ctr; steel, nickel pl; approx 2-3/8" lg x 1-17/32" wd x 1-3/16" h o/a, 0.065" thk material; mts by three #6-40 holes in	Support for 0-272 (If so equipped. See A-119) N5815-091-9607		N17-T 350017- 0583	СТТ	153268	153268	A-120	1	0	0	
	base; shoulder rivet one side, csk hole in formed ctr ear, 2 body holes in line in sides		If failure replacem	shed as a roccurs, do nent unless or fabrica	not the it	request		**Low Failure item – if required requi- sition from ESO referencing NavShips 900, 180A				
L		<u> </u>	<u></u>	<u> </u>		L		<u> </u>				

TABLE 8-4.	COMBINED	PARTS	AND	SPARE	PARTS !	LIST

	-	PARTS								SF	ARE	PA	RTS
	NAME OF PART	FUNCTION	JAN OR	STANDARD		NUFAC- IRERS		ALL SYMBOL	25	EQ	UIP.	STO	OCK
DESIG.	AND DESCRIPTION	AND FEDERAL STOCK NUMBER	NAVY TYPE DESIGNATION	STOCK NUMBER	SODE	DESIG.	TELETYPE PART NO.	DESIGNATIONS INVOLVED	TOTAL NO.	Box	OUAN.	BOX	OCAN.
N-121	BRACKET: irregular shape, "U" formed, body ear w/csk hole and rectangular shaped slot on base, 2 holes in line at end of both sides; steel, nickel pl; approx 2-5/16" lg x 15/16" h x 1-29/32" wd o/a, 0.065" thk material; mts by 2 tapped holes in base	Support for 0-279 and 0-283 and guide for 0-281 N5815-370-1737		N17-T 350015- 0609	СТТ	151862	151862	A-121	1	0	0		
	BRACKET: irregular "U" shape, both sides curved, csk hole in short side, irregular shaped slot in lg side; steel, nickel pl; approx 1-1/4" lg x 1-7/32" h x 15/16" wd o/a, 0.065" thk material; mts by 2 tapped holes in bottom of "U"	Guide for 0-284 N5815-370-0824		N17-T 350014- 0491	СТТ	151159	151159	A-122	1	0	0		
- 123	PLATE, sealing: steel plate, sirvene covered; rectangular shape, elongated slot near lower edge, 3 ctb holes at upper edge, 2 ctb holes below slot, front flat, back has irregular contour w/2 recesses; approx 17-1/4" lg x 4-25/32" wd x 7/16" thk o/a; mts by 4 ctb holes at ea end of slot; pointed sealing edge around perimeter	Noise seal and support for A-125		Shop Manu- facture	СТТ	151326	151326	A-123	1	0	0		
-124	CHANNEL, ball: steel, nickel pl; formed plate w/42 equally spaced slots on top and cutout ea end, welded to bar w/8 tapped holes and slot; approx 13-3/32" lg x 31/32" h x 5/16" wd o/a; mts by two #4-40 holes in plate	Channel for 0-288 and guide for 0-289 N5815-370-1731		N17-T 350015- 0603	СТТ	151841	151841	A-124	1	0	0		
- 125	FRAME: steel, nickel pl; irregular shape, formed edge both sides, both ends formed w/formed wing and ear, large cutout in ctr, cutout both ends; approx 14-1/4" lg x 3-1/16" h x 3-27/32" wd o/a, 0.065" thk material; mts by 2 body holes in ea end wing; 15 tapped holes, 2 body holes and 4 elongated holes irregularly located	Support for A-124, A-126, A-127 and 0-295 N5815-370-1791		N17-T 350015- 0666	CTT	151833	151833	A-125	1	0	0		
- 126	BRACKET: irregular "U" shape; steel, nickel pl; approx 3-15/16" lg x 1-3/16" h x 7/8" wd o/a, 0.065" thk material; mts by 2 tapped holes in bottom of "U"; tapped hole at ea end	Support for 0-291 N5815-370-0137		N17-T 350013- 0681	СТТ	151227	151227	A-126	. 1	0	0		
- 127	COVER: gray bakelite, dull satin finish on outside contour; irregular shape, cutout in one edge, internally ribbed; approx 16-1/2" lg x 4" h x 4-9/16" wd o/a; mts by 2 ctb holes in thin section on ea side of cutout	Cover for keyboard mechanism N5815-370-1748		N17-T 350015- 0620	СТТ	151325	151325	A-127	1	0	0		

A-132	FRAME: aluminum, plain anodize; irregular shape, one arm at front and one arm at ea side, 2 irregular shaped elongated slots in body; approx 7-5/16" lg x 1-5/8" h x 5-5/8" wd o/a; mts by 4 corner body holes; 12 tapped and 5 body holes	Support for signal generator mechanism N5815-333-2562	[:	N17-T 350016- 0317	СТТ	151096	151096	A-132	1	0	0	
A-135	BRACKET: irregular shape, "L" formed, curved ear and mtg holes one side, elongated slot & rounded ear w/hole other side; steel, nickel pl; approx 1-11/32" lg x 15/32" wd x 9/16" h o/a, 0.035" thk material; mts by 2 elongated slots in one side	Guide for 0-369 and stop for H-381 on units with Teletype serial numbers 2602 and up N5815-313-5439	1:	N17-T 350016- 0312	СТТ	152894	152894	A-135	1	0	0	
A - 136	PLATE, mounting: steel, nickel pl; irregular shape, 3 formed ears and stud on one side, 3 spring posts riveted to opposite side, one rectangular, 3 elongated, 5 round and 19 tapped holes irregularly spaced, approx 3-27/32" lg x 2-3/4" h x 7/8" wd o/a, 0.065" thk material; mts by one elongated and one round hole	Support for transmitter mechanism N5815-370-0803		N17-T 350014- 0470	СТТ	151140	151140	A-136	1	0	0	
A-137	BRACKET: irregular shape, steel, nickel pl; approx 1-11/32" lg x 3/4" h x 15/32" wd o/a, 0.035" thk material; mts by 2 elongated slots in body; one end formed w/elongated slot and rounded ear w/body hole, curved cutout and rectangular shaped extension w/tapped hole on other end	Guide for 0-369 and support for H-382 on units with Tele- type serial numbers 2601 and lower N5815-370-0908	1	N17-T 350014- 0576	СТТ	151204	151204	A-137	1	0	0	
A-138	COVER: iron, nickel pl; irregular shaped bracket welded to box; approx 1-3/4" lg x 2-11/32" wd x 63/64" h o/a; mts by 2 elongated holes in bracket; 2 slots in bracket, 2 holes through bracket and box, 4 round and one rectangular hole in box	Container for contact mechanism N5815-370-0170		N17-T 350013- 0714	СТТ	151358	151358	A-138	1	0	0	
A-139	COVER: iron, nickel pl; approx 1-49/64" lg x 1-13/32" wd x 3/16" h o/a; mts by body hole and edges; stamped "DO NOT OIL" on top; flat spring riveted inside	Cover for contact mechanism N5815-370-0171		N17-T 350013- 0715	СТТ	151359	151359	A-139	1	0	0	
A-140	BASE: moulded black bakelite; irregular shape w/4 various levels; approx 1-3/16" lg x 9/16" h x 7/8" wd o/a; mts by 2 tapped holes through base; 2 body slots, one "V" shaped groove, 2 tapped holes through sides, elongated curved cutout near one end	Mounting base for contact mechanism N5815-370-0816		N17-T 350014- 0483	СТТ	151176	151176	A-140	1	0	0	
A-141	BRACKET: "L" shape; steel, nickel pl; approx 2-1/4" lg x 3/4" h x 3/8" wd o/a, 0.050" thk material; mts by 2 elongated slots; elongated cutout in body and formed end, one curved and one rectangular ear, 2 body holes in rectangular ear (Part of A-138 on later design keyboards)	Support for A-138 N5815-370-0814		N17-T 350014- 0481	СТТ	151178	151178	A-141	1	0	0	
		·	<u> </u>							L		

		PARTS									SI	PARE	PA	RTS
SYMBOL	NAME OF PART	FUNCTION	JAN OR	STANDARD NAVY		NUFAC- IRERS	TELETYPE	ALL SY		Š	EQ	UIP.	ST	ОСК
DESIG.	AND DESCRIPTION	AND FEDERAL STOCK NUMBER	NAVY TYPE DESIGNATION	STOCK NUMBER	CODE	DESIG.	PART NO.	DESIGNA INVOI		TOTAL NO.	ŏ	QUAN.	XO9	NAUO
A-501	BRACKET ASSEMBLY: c/o 2 brackets welded together; steel, nickel pl; irregular shape upper bracket has 2 formed ends w/cutout in ea, 4 body ears, 4 tapped holes, and rectangular hole in ctr, lower bracket "U" shape w/3 elongated holes in one side and 2 body holes in ea side, 4 tapped holes through both brackets; approx 6-3/16" lg x 3-3/8" wd x 3-11/16" h o/a; mts by body hole in ea corner ear	Support for synchronous motor and accessories N5815-370-0345		*N17-T 350013- 0893	стт	150976	150976	A-501		1	0	0		
A-502	PLATE, mounting: steel, nickel pl; approx 4-5/8" lg x 2-1/4" wd x 0. 042" thk o/a; mts 4 corner holes; curved cutout one side, 2 large and 6 small body holes irregularly spaced	Support for C-501, K-501 and S-501 N5815-370-1236		*N17-T 350014- 0980	СТТ	151920	151920	A-502		1	0	0		
A-601	MOUNTING, brush holder: black bakelite; approx 2-1/2" lg x 1-1/4" wd x 1/2" thk o/a; mts by 4 body holes; curved body w/2 round ears on ea side, irregularly grooved 2 body holes	Guide for E-604 N5815-370-0651		N17-T 350014- 0315	СТТ	150884	150884	A-601, A-6	305	2	0	0		
A-602	PLATE, clamp: steel, nickel pl; round ends; approx 7/8" lg x 1/4" wd x 0.065" thk o/a; mts by 2 tapped holes	Locks mounting hardware of A-603 to A-601 N5815-370-0653		N17-T 350014- 0317	СТТ	150886	150886	A-602, A-6	504	4	0	0		
A-603	PLATE, brush: nickel silver; approx 1-3/4" lg x 1-1/8" wd x 1/8" thk o/a; mts by hole in ea formed ear; irregular curved shape w/2 formed ears, elongated slot in ctr of body	Holds E-604 on A-601 N5815-370-0652		N17-T 350014- 0316	СТТ	150885	150885	A-603, A-6	306	2	0	0		
A-604	Same as A-602	Locks mounting hardware of A-606 to A-605	at .											
A-605	Same as A-601	Guide for E-605												
A-606	Same as A-603	Holds E-605 on A-605									ĺ			
A-607	COVER: brass, nickel pl; closed one end, one cutout and 10 slots other end, one rectangular hole, 8 sq holes and one tapped hole in circum, #40 mesh screen soldered to ID; approx 3-11/16" diam x 2-3/4" lg o/a; mts by lip and 4 oblong holes in circum	Cover and electrostatic shield for governor mechanism N5815-370-1213		N17-T 350014- 0914	СТТ	152044	152044	A - 607		1	0	0		

A-608	COVER: nickel pl steel plates and brass screen; two plates, cutout in ctr, sandwiched over #40 screen and welded together, grommet fastened to screen; approx 4-3/4" lg x 3-3/8" wd x 3/32" thk o/a; mts by 11 body holes; 11 depressions one side	Cover for and electrostatic shield for mounted parts of A-610 N5815-370-1216	N17-T 350014- 0944	СТТ	152037	152037	A-608	1	0	0	
A-609	BRACKET: motor support; "U" shape; steel, nickel pl; approx 6-3/16" lg x 3-3/8" wd x 2-9/32" h o/a, 0.095" thk material; mts by body hole in ea corner; rectangular hole, 2 cutouts and 11 tapped holes in base, irregularly cutout on both ends	Support for B-601 N5815-370-1214	*N17-T 350014- 0942	СТТ	152046	152046	A-609	1	0	0	
A-610	BASE, motor: steel, nickel pl; irregular shape, partially enclosed on top w/4 formed flaps around opening, completely open on bottom w/3 sides formed to receive slide cover, 3 cutouts, 2 covered w/#40 brass screen; approx 4-3/4" lg x 4-5/16" wd x 1-17/32" h o/a, 0.016" thk material; 11 body holes in flaps; one tapped hole in disc welded to front, 3 body holes in sides	Container for C-603, R-601 and Z-601 N5815-370-1238	N17-T 350014- 0982	СТТ	152039	152039	A-610	1	0	0	
A-611	BRACKET: resistor support; "L" shape; steel, nickel pl; approx 2-1/16" lg x 1/2" wd x 23/32" h o/a, 0.050" thk material; mts by two #4-40 holes 7/16" c to c in irregular shaped short end	Mounts R-601 to A-610 N5815-370-1211	*N17-T 350014- 0939	СТТ	152034	152034	A-611	2	0	0	
A-612	COVER: steel, nickel pl; rectangular shape, cutout and two formations on one side, gray fiber insulator riveted to larger formation, body hole in smaller formation, 9 extrusions along other 3 sides, #40 brass screen soldered over rectangular cutout in body; approx 3-15/16" lg x 3-3/4" wd x 1-3/8" h o/a; 0.016" thk material; slide mts by three sides	N5815-370-1254	N17-T 350014- 0998	СТТ	152040	152040	A-612	1	0	0	
A-617	BRACKET: "L" shape w/guide welded to narrow side; steel, nickel pl; approx 1-1/16" lg x 11/16" h x 5/8" wd o/a; 0.065" thk material; mts by 2 body holes in wd end; guide has strip w/hole across ID on mtd end, lg slot other end, tapped hole below guide	Anchor support for 0-613 N5815-370-0717	N17-T 350014- 0383	СТТ	150877	150877	A-617	1	0	0	
A-618	BRACKET: contact screw support; irregular shape, one end formed, formed ear on wd end; steel, nickel pl; approx 1-5/8" lg x 3/4" h x 5/8" wd o/a, 0.065" thk material; mts by two body holes in wd end of body; elongated slot in formed end and body hole in formed ear	Support for E-617 N5815-370-0710	occurs,	nishe do no	ed as a n		A-618 e part. If failure nent unless the item l.''	1	0	0	

		PARTS								SP	ARE	PA	RTS
YMBOL DESIG.	NAME OF PART AND DESCRIPTION	FUNCTION AND FEDERAL STOCK NUMBER	JAN OR NAVY TYPE DESIGNATION	STANDARD NAVY STOCK NUMBER		DESIG.	TELETYPE PART NO.	ALL SYMBOL DESIGNATIONS INVOLVED	TOTAL NO.	EQX	UIP.	ST.	OCK NOCK
\-619	BRACKET: contact support; "L" shape w/ formed ear on lg side; steel, nickel pl; approx 19/32" h x 19/32" wd x 1-5/32" lg o/a, 0.065" thk material; mts by two body holes in lg end; tapped hole in short end and body hole in formed ear	Support for E-611 N5815-370-0711		N17-T 350014- 0377	СТТ	150859	150859	A-619	1	0	0		
-620	COVER: aluminum, plain anodized; approx 3-1/2" OD x 1-1/8" deep o/a, 0.040" thk material; mts by 2 tapped holes; exterior painted white w/4, 6 and 35 black segments, in rows, forming 8, 12 and 70 equal divisions on OD; body hole in OD w/"F" and "S" on ea side of a curved arrow stamped around hole	Cover for all mounted parts of B-603 N5815-370-0718		N17-T 350014- 0384	СТТ	150879	150879	A-620	1	0	0		
		SYMBOL DESIGNATIONS A-7	01 AND A-702	USED ON C	Y-87	0/UG C	ABINET O	NLY					
-701	MOUNT, vibration: round mtg; 30 to 84 lb load rating; approx 3" sq x 1-1/2" h o/a; rubber cushion mtg, formed metal plate 3" diam x 1" h; steel ctr sleeve w/ 3/8" diam bolt hole; 4 mtg holes 1/4" diam on 2-1/2" x 2-1/2" mtg/c	Vibration mount for CY-870/UG N5340-291-6160			CA- YU	C-2035	151594	A-701	4	0	0		
-702	BRACKET: "U" shape, both ends formed; steel, nickel pl; approx 2-3/8" sq x 1-1/16" h o/a, 0.090" thk material; mts by four body holes in corners of formed ends; body hole in bottom of "U"	Cradle assembly support N5815-370-1088		*N17-T 350014- 0782	СТТ	151584	151584	A-702	4	0	0		
		SYMBOL DESIGNATIONS A-	751 TO A-759 I	NCL USED	ON C	Y-870/1	JG AND C	Y-871/UG CABINETS					
-751	BRACKET: sw support; "L" shape; steel, nickel pl; approx 2-11/16" lg x 1-5/16" wd x 1-5/16" h o/a, 0.048" thk material; mts by two body holes in one side; cutout on corner and large body hole one side	Support for S-751 N5815-370-1176		*N17-T 350014- 0899	СТТ	151990	151990	A-751	1	0	0		
-752	MOUNT, vibration: round mtg; 30 to 72 lb load rating; approx 2-3/8" sq x 1-1/8" h o/a; rubber cushion mtg, formed metal plate 2-1/4" diam x 11/16" h; steel ctr sleeve w/1/4" diam bolt hole; four mtg holes 0.196" diam on 1-15/16" x 1-15/16" mtg/c	Rear vibration mount for CY-871/UG N5340-291-8851			CA- YU	C-1035	151587	A-752	2	0	0		

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A-753	MOUNT, vibration: round mtg; 43 to 100 lb load rating; approx 2-3/8" sq x 1-1/8" h o/a; rubber cushion mtg; formed metal plate 2-1/4" diam x 11/16" h; steel ctr sleeve w/1/4" diam bolt hole; four mtg holes 0.196" diam on 1-15/16" x 1-15/16" mtg/c	Front vibration mount for CY-871/UG N5340-411-8393	N17-M 075322 4551	CA- YU	C-1050	151588	A - 753	2	0	0	
A-754	COVER: black bakelite; approx 5-3/16" lg x 2-3/16" wd x 1/16" thk o/a; mts by two body holes	Cover for TB-751, TB-752 and TB-753 N5815-370-1067	*N17-T 350014- 0758	СТТ	151436	151436	A - 754	3	0	0	
A-758	BRACKET: rectangular shape w/half of one side cut off on angle; steel, nickel pl; approx 1-1/4" lg x 3/4" wd x 0.065" thk o/a; mts by two elongated slots one end; body hole near cut off corner	Supports one end of 0-768 N5815-370-1072	*N17-T 350014- 0763	СТТ	151516	151516	A - 758	1	0	0	
A-759	BRACKET: signal bell support; irregular shape; steel, nickel pl; approx 1-3/4" lg x 1-1/2" wd x 1-5/8" h o/a, 0.065" thk material; mts by 3 weld nuts on body; 3 tapped holes, 2 body holes, weld nut and cutout distributed on 3 formed arms	Supports E-758, E-759 and I-752 N5815-370-1084	N17-T 350014- 0777	СТТ	151564	151564	A - 759	1	0	0	
A-1101	CONTAINER: aluminum, plain anodized; inverted table shape; approx 15-1/8" lg x 8-1/8" h x 4-5/8" wd o/a, 0.064" thk material; mts by hole in ea end; four tapped holes, one body hole w/tooth and 11 body holes irregularly spaced	Container for and supports power distribution panel and motor control unit N5815-370-0596	*N17-T 350014- 0247	CTT	151420	151420	A-1101	1	0	0	
A-1102	PLATE, clamp: steel, nickel pl; approx 9/16" lg x 3/8" h x 0.095 thk o/a; mts by tapped hole in ctr	Clamps 0-1103 to A-1101 N5815-370-0188	N17-T 350013- 0733	СТТ	151427	151427	A-1102, A-1103, A-1110	8	0	0	
A-1103	Same as A-1102	Clamps 0-1104 to A-1101									
A-1104	BRACKET: relay support; straight shape both ends formed; aluminum plain anodized; approx 3-1/4" lg x 2-17/32" wd x 5/8" h o/a, 0.064" thk material; mts by two body holes in wider formed end; embossed w/tapped hole in two places on narrow formed end, two body holes and two embossed ribs on straight side	Support for K-1101 N5815-370-1135	N17-T 350014- 0857	СТТ	151814	151814	A-1104	1	0	0	
A-1105	COVER: black bakelite; approx 2-15/16" lg x 2-3/32" h x 2-17/32" wd o/a, 0.093" thk material; mts by two elongated cutouts; open on two sides	Cover for K-1101 N5815-370-1134	N17-T 350014- 0856	CTT	151813	151813	A-1105	1	0	0	
			occurs,	do no	t reques		part. If failure nent unless the item l.''				

TABLE 8-4. COMBINED PARTS AND SPARE PARTS I

		PARTS								SF	PARE	PA	RTS
SYMBOL DESIG.	NAME OF PART AND DESCRIPTION	FUNCTION AND FEDERAL STOCK NUMBER	JAN OR NAVY TYPE DESIGNATION	STANDARD NAVY STOCK NUMBER		NUFAC- RERS DESIG.	TELETYPE PART NO.	ALL SYMBOL DESIGNATIONS INVOLVED	TOTAL NO.	@ xos	UIP.	ST X Q	OCK N Y O
- 1108	BASE: steel, nickel pl; inverted "U" shape, 2 cutouts and 2 formed flaps w/2 tapped holes in ea in line on sides of base, 2 formed ends, 3 body holes and 2 tapped holes in base, one side cutout to base; approx 4-13/16" lg x 2-11/16" wd x 2-3/8" h o/a, 0.065" thk material; mts by elongated hole near ea end	Support for A-1109 and misc parts of electrical motor control unit N5815-370-0176		N17-T 350013- 0720	СТТ	151401	151401	A-1108	1	0	0		
- 1109	FRAME: steel, nickel pl; "U" shape, ea side tapers near bridge, one side has two cutouts w/slots, 7 body holes and one elongated hole, other side has six body holes, bridge has small slot ea side and one elongated hole, insulator riveted to inside of one side; approx 4-1/4" h x 2-1/4" wd x 1-15/16" deep o/a, 0.065" thk material; mts of two bottom holes ea side; stamp 1/8" characters "U.S. PATENT - 1964268"	Support for misc parts of electrical motor control unit N5815-370-0178		N17-T 350013- 0722	СТТ	151403	151403	A-1109	1	0	0		
-1110	Same as A-1102	Clamps A-1108 to A-1101											
1301	FRAME: steel, nickel pl; irregular shape, "L" formed, tapped hole, body hole, stud and irregular shaped cutout one side, two studs, mtg holes and irregular shaped cutout other side; approx 3-1/4" lg x 2" h x 1-3/4" wd o/a, 0.065" thk material; mts by elongated slot and two body holes in one side; numerals "1 2 3" stamped on mtg side	Support for printing carriage mechanism (If so equipped. See A-1314) N5815-370-0477		N17-T 350014- 0128	СТТ	150060	150060	A-1301	1	0	0		
- 1302	BRACKET: irregular shape w/3 formed ears, csk hole in one ear; steel, nickel pl; approx 2-7/16" lg x 1-13/32" wd x 21/32" h o/a, 0.042" thk material; mts by body hole near ea end	Stop for 0-1302 N5815-370-0949		N17-T 350014- 0617	СТТ	150065	150065	A-1302	1	0	0		
- 1303	BRACKET: irregular shape w/rounded ends; steel, nickel pl; approx 2-5/16" lg x 1/2" h x 11/16" wd o/a, 0.035" thk material mts by hole at ea end; formed arm one end; formed wing w/two holes other end, "C" shaped forming at end of wing	Advances A-1301 or A-1314 through W-1307 N5815-370-0413		N17-T 350013- 0963	СТТ	150238	150238	A-1303	1	0	0		
- 1304	BRACKET: irregular shape; steel, nickel pl; approx 15/16" lg x 1-9/16" wd x 3/8" h o/a, 0.042" thk material; mts by elongated slot in ctr of body; two formed arms and one straight arm w/csk hole	Anchor for and adjusts tension of 0-1308 N5815-370-0479		N17-T 350014- 0130	СТТ	150053	150053	A-1304	1	0	0	,	

A-1305	nickel pl; approx $1-3/32$ " lg x $1-3/32$ " h x $9/16$ " wd o/a, 0.042" thk material; mts by	Guide for code bars N5815-370-0507	N17-T 350014- 0158	СТТ	150304	4 50304	A-1305	1	0	0		
A-1306	2 tapped holes in narrow end; 9 slots in ea side of wd end BRACKET: irregular "U" shape, stud riveted to one side; steel, nickel pl; approx 1-3/16" lg x 1-5/16" wd x 13/32" h o/a, 0.050" thk material; mts by two #4-40 holes	Shifts 0-1349 N5815-370-0606	N17-T 350014- 0257	СТТ	150288	150288	A-1306	1	0	0		
A-1307	in one side BRACKET: code bar support; irregular shape, 5 shallow and four deep slots one side, rounded body ear on one corner; aluminum, plain anodized; approx 1-17/32" lg x 1-3/32" h x 1-3/8" wd o/a; mts by two	Right end guide for code bars and guide for code bar shift bars N5815-370-1516	N17-T 350015- 0375	СТТ	152576	152576	A-1307	1	0	0		
A-1308	tapped holes through bracket; three tapped and two body holes, irregularly located BRACKET: code bar support; irregular shape; aluminum, plain anodized; approx 1-9/16" lg x 1-5/16" wd x 1-15/32" h o/a; mts by two tapped holes in base of "U" shaped side; 9 slots broken by cutout in one	Left end guide for code bars N5815-370-1515	N17-T 350015- 0374	СТТ	152575	152575	A-1308	1	0	0	-*	
A-1309	side; one body hole and 5 tapped holes irregularly located BRACKET: rectangular shape, cutout in ctr, body ear ea end, 9 holes in two rows also two tapped holes ea side; steel, nickel pl; approx 1-13/32" lg x 15/16" wd x 15/32" h o/a; one round and one oval mtg hole in	Mounts 0-1361 and 0-1362 N5815-370-1724	N17-T 350015- 0595	СТТ	152572	152572	A-1309	1	0	0		
A-1310	end ears; "SUP 4 1 5 2 3 COM O S" stamped on top on bracket and "M S" stamped on end BRACKET: irregular shape, 2 formed mtg arms in line w/ear w/csk hole in ea, formed body arm w/short stud welded near end, lg stud welded to straight body arm,	Supports part of left ribbon feed mechanism N5815-330-9049	N17-T 350016- 0159	СТТ	152827	152827	A-1310	1	0	0		
	"U" formed bracket welded to bottom, 2 body ears, one w/csk hole, 2 body holes and one tapped hole; steel, nickel pl; approx 2-27/32" lg x 1-31/32" wd x 1-1/2" h o/a; mts by 2 holes in line in formed arms, LH mtg			-								
A-1311	BRACKET: circular body w/2 opposite formed arms on circum, one rounded at end w/csk hole, other squared at end; steel, nickel pl; approx 1-3/32" lg x 1/2" wd x 1/8" h o/a, 0.032" thk material; mts by elongated body hole in ctr	Turns 0-1364 when left ribbon feed mechanism is engaged, slack take up when disengaged N5815-370-1495	N17-T 350015- 0354	СТТ	152524	152524	A-1311, A-1319	2	0	0		A-1305
)—A-1311

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		PARTS								SF	ARE	: PA	RTS
SYMBOL DESIG.	NAME OF PART AND DESCRIPTION	FUNCTION AND FEDERAL STOCK NUMBER	JAN OR NAVY TYPE DESIGNATION	STANDARD NAVY STOCK NUMBER		NUFAC- IRERS DESIG.	TELETYPE PART NO.	ALL SYMBOL DESIGNATIONS INVOLVED	TOTAL NO.	EQX	UIP.	ST X Q	OCK .
- 1312	BRACKET: three irregular shaped extensions, cutout in one stud welded to another, 2 tapped holes and one body hole; steel, nickel pl; approx 2-3/16" lg x 1-27/32" wd x 2-5/32" h o/a, 0.095" thk material; mts by 2 body holes and one oval hole irregularly spaced	Pivot for A-1310 and mounts left ribbon feed mechanism to A-1391 N5815-370-1541		N17-T 350015- 0400	СТТ	152644	152644	A-1312	1	0	0		
- 1313	BRACKET: "L" shape, body ear on bottom, stud riveted to top; steel, nickel pl; approx 1-1/8" h x 25/32" lg x 19/32" wd o/a, 0.065" thk material; mts by 2 body holes in bottom of "L", LH mtg	Pivot and support for 0-1380 N5815-332-8855		N17-T 350016- 0117	стт	152823	152823	A-1313	1	0	0		
- 1314	FRAME: steel, nickel pl; irregular shape, formed 90°, cutout in ea side; approx 3-1/4" lg x 47/64" wd x 2" h o/a, 0.065" thk material; mts by 3 holes on 2" and 1-1/4" mtg/c; stamped "1 2 3" above 3 notches; 3 studs, one #6-40 hole and one body hole irregularly located	Support for printing carriage mechanism (If so equipped. See A-1301) N5815-309-2806		N17-T 350017- 0663	СТТ	153820	153820	A-1314	1	0	0		
-1318	BRACKET: irregular shape, 2 formed mtg arms in line w/ear w/csk hole in ea, formed body arm w/short stud welded near end, lg stud welded to straight body arm, "U" formed bracket welded to bottom, 2 body ears, one w/csk hole, 2 body holes and one tapped hole; steel, nickel pi; approx 2-27/32" lg x 1-31/32" wd x 1-1/2" h o/a; mts by 2 holes in line in formed arms, RH mtg	Supports part of right ribbon feed mechanism N5815-332-8861		N17-T 350016- 0158	стт	152828	152828	A-1318	1	0	0		
a-1319	Same as A-1311	Turns 0-1402 when right ribbon feed mechanism is engaged, slack take-up when disengaged											
- 1320	BRACKET: irregular shape, formed at approx ctr, stud riveted to narrow end, body ear on wd end; steel, nickel pl; approx 1-1/8" h x 21/32" wd x 23/32" lg o/a, 0.065" thk material; mts by 2 body holes in wd end, RH mtg	Pivot and support for 0-1415 N5815-332-8856		N17-T 350016- 0118	стт	152824	152824	A-1320	1	0	0		

A-1321	BAR, guide: aluminum, plain anodize; irregular shaped cutout along lg of bar, 42 slots in wd, 7 tapped and 3 body holes in top, 2 shafts staked in cutouts; approx 9-9/32" lg x 1-1/16" wd x 1-1/16" h o/a; mts by tapped hole in ea end; slots numbered in 10's w/arrows	Guide for symbols 0-1425 through 0-1435 and 0-1445 through 0-1466 N5815-370-1419	N17-T 350015- 0271	СТТ	152652	152652	A-1321	1	0	0	
A-1322	PLATE, mounting: steel, nickel pl; 4 tapped holes in a row; approx 2-1/2" lg x 5/8" wd x 1/8" thk o/a; mts by elongated hole and body hole near ends	Support for signal bell contact mechanism N5815-370-1534	N17-T 350015- 0393	СТТ	152633	152633	A-1322	1	0	0	
A-1323	PLATE, adjusting: steel, nickel pl; rectangular shape w/2 elongated holes; approx 7/8" lg x 11/16" wd x 0.065" thk o/a; mts by 2 tapped holes	Support for letters and figures shift mechanism N5815-370-1546	N17-T 350015- 0405	СТТ	152655	152655	A - 1323	1	0	0	
A-1324	BRACKET: irregular shape, 4 formed ears and one arm; steel, nickel pl; approx 3" lg x 2-9/16" h x 1" wd o/a, 0.050" thk material; mts by elongated slot in large ear and tapped hole in curved ear, RH mtg; 3 elongated slots, 4 body holes and one elongated cutout irregularly located	Right side mounting bracket for function box mechanism N5815-370-1415	N17-T 350015- 0267	СТТ	152627	152627	A-1324	1	0	0	
A-1325	BRACKET: irregular shape, 4 formed ears and one arm; steel, nickel pl; approx 3" lg x 2-9/16" x 1" wd o/a, 0.050" thk material; mts by elongated slot in large ear and tapped hole in curved ear, LH mtg; 3 elongated slots, 4 body holes and one elongated cutout irregularly located	Left side mounting bracket for function box mechanism N5815-370-1414	N17-T 350015- 0266	СТТ	152626	152626	A-1325	1	0	0	
A- 1329	BRACKET: irregular shape w/2 iron pole pieces positioned by dowel pins and held to bracket by sealed screws; aluminum, plain anodized; approx 2-1/2" lg x 2-13/32" wd x 1-5/32" h o/a; mts by 2 holes in rounded extensions; 5 tapped holes irregularly located	Support for Selector Magnet Assembly (Used on Units with Teletype serial numbers 11501 and higher.)	**	СТТ	153545	153545	A-1329	1	0	0	
A-1330	BRACKET: irregular shape, one arm and rounded ear w/tapped hole one end, 2 arms other end, one "L" formed w/cutout and 2 tapped holes, 2 iron pole pieces positioned by dowel pins and held to bracket by sealed screws, aluminum plain anodize; approx 2-1/2" lg x 2-13/16" wd x 1-5/32" h o/a; mts by body hole in both rounded arms and tapped hole in "L" formed arm	Support for Selector Magnet Assembly (Used on Units with Teletype serial numbers 11500 and lower.) N5815-370-1473	N17-T 350015- 0331	CTT	152413	152413	A-1330	1	0	0	
A-1331	BRACKET: "U" shaped; nickel silver; approx 1-7/8" lg x 7/8" wd x 21/32" h o/a, 0.020" thk material; mts by 2 small body holes in base; large body hole in ctr of base, two elongated slots in ea side	Support for E-1311 N5815-370-1263	350015- 0108		152421	152421	A-1331	1	0	0	
							red requisition nips 900, 180A.				

TABLE	8-4.	COMBINED	PARTS	AND	SPARE	PARTS	LIST
		DADTS					

		PARTS								SP	ARE	PAI	RTS
SYMBOL DESIG.	NAME OF PART AND DESCRIPTION	FUNCTION AND FEDERAL STOCK NUMBER	JAN OR NAVY TYPE DESIGNATION	STANDARD NAVY STOCK NUMBER		DESIG.	TELETYPE PART NO.	ALL SYMBOL DESIGNATIONS INVOLVED	TOTAL NO.	EQ:	NAU.	STC X	OCK NA NO
- 1332	BRACKET: irregular shape, both ends formed, elongated hole in end arm; steel, nickel pl; approx 27/32" lg x 7/8" wd x 13/32" h o/a, 0.072" thk material; mts by body hole in both end ears	Support for and spaces H-1469 and 0-1488 from 0-1487 N5815-370-1264		N17-T 350015- 0109	СТТ	152423	152423	A-1332	1	0	0		
- 1333	BRACKET: connector support; "L" formed; steel, nickel pl; approx 2-3/8" lg x 1-3/16" h x 1-3/8" wd o/a, 0.065" thk material; mts by 2 body holes 1-1/2" c to c in one end; "V" cutout in mtg end, two tapped holes, one large and two small cutouts in other end	Support for J-1301 N5815-370-1834		N17-T 350015- 0719	СТТ	152461	152461	A-1333	1	0	0		
- 1334	PLATE, mounting: steel, nickel pl; irregular, "U" shape, formed ear and body hole near one end, two tapped holes near bottom; approx 3-3/8" lg x 3-3/8" wd x 3/16" h o/a, 0.065" thk material; mts by one large and 2 small body holes	Mounting plate for range scale mechanism (If so equipped. See A-1339) N5815-370-1477		N17-T 350015- 0335	СТТ	152434	152434	A-1334	. 1	0	0		
- 1335	BRACKET: irregular shape formed body, formed wing one end; SS; approx 1-1/16" lg x 3/4" wd-x 1/2" h o/a, 0.032" thk material; mts by two body holes in formed wings; 7 open slots one side, 4 closed and one open slot and body hole other side, 2 slots through both sides	Anchor for 0-1506 and guide for symbols 0-1501 through 0-1505 and 0-1508 through 0-1515 N5815-370-1463		N17-T 350015- 0321	стт	152403	152403	A-1335	1	0	0		
- 1336	BRACKET: irregular shape, both ends formed, spring notch one end, other end has formed side w/one formed body ear, six formed body ears on opposite side; steel, nickel pl; approx 1" lg x 19/32" wd x 29/32" h o/a, 0.035" thk material; mts by body hole and slot between formed ends	Anchor for 0-1516, 0-1517 and 0-1519 N5815-370-1464		N17-T 350015- 0322	СТТ	152404	152404	A-1336	1	0	0		
- 1337	BRACKET: irregular shape, one side formed, other side has curved cutout and 2 formed ears - one w/csk hole, other slotted at end; steel, nickel pl; approx 31/32" lg x 23/32" wd x 5/8" h o/a, 0.035" thk material mts by elongated hole and body hole in formed side	Guides 0-1510 and anchor for 0-1518 N5815-370-1466		N17-T 350015- 0324	стт	152406	152406	A-1337	1	0	0		
- 1338	PLATE, mounting: steel, nickel pl; irregular shape w/ears and cutouts irregularly spaced; approx 5-5/32" lg x 3-9/16" wd x 0.065" thk o/a; mts by 3 body holes irregularly spaced; one large and 3 small body holes and 10 tapped holes irregularly spaced	Support for range scale and selector mechanism N5815-370-1460		N17-T 350015- 0318	стт	152400	152400	A-1338	1	0	0		

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A-1339	PLATE, mounting: steel, nickel pl; irregular "U" shape, 2 guide ears one side, formed ear at formed end; approx 3-3/8" lg x 3-3/8" wd x 1" h o/a, 0.065" thk material; mts by 3 body holes; stud welded to formed end, two #6-40 holes at bottom of "U"	Mounting plate for Range Scale mechanism (If so equipped. (See A-1334.) N5815-524-3406			СТТ	153491	153491	A-1339	1	0	0	
A-1344	BRACKET: irregular shape; steel, nickel pl; approx 4-1/4" lg x 1" wd x 7/8" h o/a, 0.050" thk material; mts by 3 body holes and one hole in ear; 4 formed arms, one at end w/2 rectangular cutouts, one rounded w/body hole, one "L" shaped w/2 tapped holes and one opposite w/tapped hole, one elongated and 3 curved cutouts in body, 7 body slots, 4 body holes and one tapped hole in body, 3 tapped holes in ears have welded disks	Guide for symbols 0-1351 through 0-1356, 0-1539 and 0-1540 N5815-370-0332		N17-T 350013- 0880	CTT	150525	150525	A-1344	1	0	0	
A-1345	BRACKET: irregular shape w/2 formed arms; steel, nickel pl; approx 7/8" lg x 7/8" h x 1/2" wd o/a, 0.050" thk material; mts by 2 body holes	Back stop for symbols 0-1556 through 0-1560 N5815-370-1034		N17-T 350014- 0702	СТТ	150475	150475	A-1345	1	0	0	
A-1346	BRACKET: irregular shape, 2 body holes and formed arm near one end, one body hole and formed wing w/body hole and 7 slots near other end; steel, nickel pl; approx 2-11/32" lg x 1-21/32" wd x 1-13/16" h o/a; mts by body hole near end of arm and tapped ho e in wing	Guide for symbols 0-1556 through 0-1560 N5815-370-1721		N17-T 350015- 0592	СТТ	152546	152546	A-1346	1	0	0	
A-1347	BRACKET: "U" shape; steel, nickel pl; approx 7/8" h x 1" lg x 7/8" wd o/a, 0.065" thk material; mts by 3 body slots; elongated cutout in both legs	Guide for 0-1540 N5815-370-0589		N17-T 350014- 0240	CTT	151670	151670	A-1347	1	0	0	
A-1348	TRACK: steel, nickel pl; one side formed, two mtg ears other side; approx $10-5/32$ " lg x $9/16$ " h x $1/4$ " wd o/a, 0.050" thk material; mts by elongated hole in ea ear	Operates 0-1323 through 0-1326 N5815-412-9176		N17-T 350013- 0589	СТТ	150598	150598	A-1348	1	0	0	
A- 1349	BRACKET: irregular shape, formed both ends, cutout one side w/formed ear; steel, nickel pl; approx 2-15/16" lg x 1-1/2" h x 1" wd o/a, 0.072" thk material; mts by tapped hole near ea end; body hole in ea formed end	Drives 0-1565 through 0-1578 N5815-370-0309		N17-T 350013- 0857	СТТ	150245	150245	A-1349	1	0	0	
A-1355	PLATE, front: steel, nickel pl; irregular shape, both sides formed, 5 irregular shaped holes, 27 round holes, 15 tapped holes and 5 elongated holes, stud welded to body ear on upper side; approx 15-3/8" lg x 4-7/8" h x 1-3/16" wd o/a, 0.065" thk material; mts by three body holes and elongated hole in lower formed side	Support for front plate mechanism N5815-370-1839		N17-T 350015- 0724	СТТ	152538	152538	A-1355	1	0	0	

		PARTS								SF	ARE	PA	RTS
YMBOL DESIG.	NAME OF PART AND	FUNCTION AND	JAN OR NAVY TYPE	STANDARD NAVY STOCK		NUFAC- IRERS	TELETYPE PART NO.	ALL SYMBOL DESIGNATIONS	TOTAL NO.	EQ ×	UIP.	 -	OCK Z
	DESCRIPTION	FEDERAL STOCK NUMBER	DESIGNATION	NUMBER	80	DESIG.		INVOLVED	5#	XO8	¥ησ	ě	OUAN.
- 1356	BRACKET: irregular shape, both ends formed, formed body ear near wd end, stud welded near narrow end; steel, nickel pl; approx 1-11/16" lg x 1-1/8" h x 7/8" wd o/a, 0.065" thk material; mts by elongated slot in narrow end and body hole in wd end	Back stop for 0-1628 and 0-1631 and pivot for 0-1621 and 0-1624 N5815-370-1412		N17-T 350015- 0264	стт	152540	152540	A-1356	1	0	0		
- 1357	BRACKET: irregular shape, one end rounded, other end formed and irregularly cutout; steel, nickel pl; approx 1-13/16" lg x 1-1/8" h x 13/16" wd o/a; mts by 2 body holes	Anchor for 0-1629 and 0-1632 and locks 0-1667 to A-1355 N5815-370-1266		N17-T 350015- 0111	СТТ	152586	152586	A-1357	1	0	0		
- 1358	PLATE, mounting: steel, nickel pl; irregular shape w/2 arms w/cutout in ea and formed side; approx 15-3/8" lg x 3-1/2" h x 3/8" wd o/a, 0.050" thk material, mts by 2 large body holes; elongated slot in ea arm, 2 holes in one arm and 3 in other, 8 small holes in body	Support for A-1359, H-1742 H-1757 and 0-1675 and guide for A-1348 N5815-412-9165		N17-T 350013- 0578	СТТ	150554	150554	A-1358	1	0	0		
- 1359	TRACK: steel, nickel pl; straight edge and formed groove one side, formed arm at ea end on other side; approx 11-3/8" lg x. 11/32" wd x 1-53/64" h o/a, 0.066" thk material; mts by hole in ea end ear on 9-1/8" mtg/c and 2 holes in body on 5-3/4" mtg/c; elongated hole ea end, elongated hole and round hole in ctr	Track for A-1301 N5815-370-1517		N17-T 350015- 0376	СТТ	152579	152579	A-1359	1	0	0		
A-1360	BRACKET: irregular shape, both ends rounded, formed ear one end; approx 1-11/16" lg x 3/4" h x 3/8" wd o/a, 0.065" thk material; mts by tapped hole and body hole in ends, RH mtg	Stop for 0-1572 N5815-370-1488		N17-T 350015- 0347	СТТ	152508	152508	A-1360	1	0	0		
\-1361	BRACKET: irregular shape, both ends rounded, formed ear one end; steel, nickel pl; approx 1-11/16" lg x 3/4" h x 3/8" wd o/a, 0.065" thk material; mts by tapped hole and body hole in ends, LH mtg	Stop for 0-1566 N5815-370-1489		N17-T 350015- 0348	СТТ	152509	152509	A-1361	1	0	0		
\-1362	PLATE; clamp: steel, nickel pl; irregular shape w/elongated cutout and formed arm; approx 11/16" lg x 7/16" h x 7/16" wd o/a, 0.042" thk material; mts by 2 body holes	Clamps W-1307 to 0-1705 N5815-370-0567		N17-T 350014- 0218	СТТ	150531	150531	A-1362	1	0	0		

A-1363		Locks 0-1708 to 0-1697	N17-T	СТТ	153173	153173	A-1363, A-1364	2	0	0	
	rounded ends; 7/8" lg x 1/4" wd x 0.065" thk o/a; mts by two #6-40 holes on 5/8" mtg/c	N5815-091-9575	350017- 0549				·				
A-1364	Same as A-1363	Locks 0-1710 to 0-1697									
A-1368	PLATE, adjusting: steel, black oxide; irregular shape, both ends rounded; approx 1-11/32" lg x 21/64" wd x 0.058" thk o/a; mts by two #2-56 holes on 1-1/8" mtg/c; #2-56 hole in ctr	Support for H-1908 and holds 0-1904 to A-1369 (If so equipped. See H-1919 and H-1920.) N5815-524-3407		СТТ	153531	153531	A-1368	1	0	0	
A-1369	PLATE, mounting: black anodized aluminum plate and arm, nickel pl steel latch; irregular shaped plate, free moving arm riveted at both ends across cutout in bottom of plate, free moving latch riveted to upper corner of plate; approx 3-5/16" lg x 1-47/64" h x 1/4" thk o/a; mts by 2 holes in plate on 2-3/4" mtg/c and one hole in arm; bushing, extrusion, csk hole and 3 round holes in plate, csk hole in arm	Support for 0-1943 and 0-1904 (If so equipped. See A-1370.) N5815-524-3408		СТТ	153530	153530	A-1369		0	0	
A-1370	PLATE, mounting: type box support; black anodized aluminum plate and arm, nickel pl steel latch; irregular shape plate, arm riveted to bottom, latch riveted to upper corner; approx 3-5/16" lg x 1-3/4" h x 7/32" thk o/a; mts by 2 holes in plate on 2-3/4" mtg/c and hole in arm; 2 bushings and 3 body holes in plate elongated hole in arm	Support for 0-1943 and 0-1907 (If so equipped, See A-1369.) N5815-370-1718	N17-T 350015- 0589	СТТ	152502	152502	A-1370	1	0	0	
A-1371	TRACK: steel, black oxide finish; straight body, ends cutout from bottom, 15 body holes in row throughout lg, "V" formed stiffener strip welded to track by 12 ears; approx 13-5/16" lg x 13/16" h x 1/4" wd o/a; mts by two body holes one end and 2 elongated slots other end	Track for A-1370 or A-1369 and vertically positions 0-1943 N5815-370-0642	N17-T 350014- 0294	СТТ	150824	150824	A-1371	1	0	0	
A-1372	BRACKET: irregular shape; steel, nickel pl; approx 2-1/4" lg x 1-7/16" h x 7/8" wd o/a, 0.065" thk material; mts by one elongated and one body hole; formed arm w/spring post riveted at end and body hole in ea of 2 curves	Drives 0-1933 through H-1939 N5815-370-0975	N17-T 350014- 0643	СТТ	150367	150367	A-1372	1	0	0	
A-1373	HOUSING: steel, nickel pl; approx 1-1/2" OD x 3/4" ID x 5/8" thk o/a; mts by 3 tapped holes; dished out, cutout to ID, 2 slots and csk hole in circum	Shield for 0-1817 N5815-370-1728	N17-T 350015- 0599		152593	152593	A-1373	1	0	0	
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		PARTS								C	PARE	. DA	DTC
	NAME OF PART	FUNCTION	JAN OR	STANDARD		NUFAC-		ALL CYMBOL		⊢	UIP.	1—	DCK
DESIG.	AND DESCRIPTION	AND FEDERAL STOCK NUMBER	NAVY TYPE DESIGNATION	NAVY STOCK NUMBER	300	DESIG.	TELETYPE PART NO.	ALL SYMBOL DESIGNATIONS INVOLVED	TOTAL NO.	ğ		ğ	OCAN.
- 1374	PLATE, front: type box; steel, black oxidize; irregular shaped ends, both sides formed, 2 pointed ears one side, formed ear and body ear other side, 64 rectangular perforations on face; approx 3-3/16" lg x 1" h x 13/32" wd o/a, 0.025" thk material; mts by elongated hole near ea end; "LTRS" and "FIGS" stamped on one side	Front guide plate for type pallets N5815-370-1786		N17-T 350015- 0661	СТТ	152559	152559	A-1374	1	1	1		
1375	PLATE, rear: type box; steel, black oxidize; irregular shaped ends, both sides formed, formed ear and cutout one side, two guard plates and 64 rectangular perforations on face; approx 3-3/16" lg x 1" h x 5/16" wd o/a, 0.025" thk material; mts by elongated hole near ea end	Rear guide plate for type pallets N5815-370-1787		N17-T 350015- 0662	СТТ	152560	152560	A-1375	1	1	1		
- 1376	BRACKET: irregular shape; steel, nickel pl; approx 1-1/2" lg x 1-5/8" h x 1-7/32" wd o/a, 0.095" thk material; mts by 2 elongated holes; one end forned w/body hole in cutout area, formed arm w/body hole near end and stud riveted at bend	Operates 0-2017 and 0-2006 through H-1984 N5815-370-0974		N17-T 350014- 0642	СТТ	150366	150366	A-1376	1	0	0		
- 1379	BRACKET: irregular shape, 2 formed ears on mtg end; steel, nickel pl; approx 9/16" lg x 7/8" wd x 23/32" h o/a, 0.065" thk material; mts by slot; two #6-40 holes on 3/8" mtg/c	Support for 0-2086 N5815-524-3409			стт	155042	155042	A-1379	1	0	0		
- 1380	BRACKET: irregular shape; steel, nickel pl; approx 3-19/32" lg x 2-21/32" wd x 2-1/4" h o/a, 0.095" thk material; mts by four #6-40 holes on 7/16" and 13/16" mtg/c in two formed ears; one body hole, 5 csk holes and stud irregularly located (Replaces CTT #150357)	Anchor for 0-1732, 0-1743, 0-1748, 0-1751, and 0-1755, support for 0-1740 and re- tains 0-2095 in slot of 0-2093 N5340-347-9101		N17-T 350017- 0709	СТТ	153317	153317	A-1380	1	0	0		
- 1381	BRACKET: irregular shape, one end formed w/2 ears, 2 formed ears, 2 body ears, 4 studs and 2 body holes in body; steel, nickel pl; approx 3-15/16" is x 2-13/16" h x 1-7/16" wd o/a, 0.065" thk material; mts by tapped hole in formed end	Pivot for 0-2102 and 0-2108, support for H-2113, 0-2094 and 0-2115, stop for 0-2089 and anchor for 0-2109 N5815-370-1265		N17-T 350015- 0110	СТТ	152563	152563	A-1381	1	0	0		

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A-1382	BRACKET: "U" formed; steel, nickel pl; approx 1-7/8" lg x 13/16" h x 31/32" wd o/a, 0.065" thk material; mts by 2 tapped holes in bottom of "U"; spring post and 2 studs riveted to facing sides	Retains 0-2096 and 0-2097 in slots of 0-2093 and pivot for 0-2104 and 0-2106 N5815-370-1790		N17-T 350015- 0665	СТТ	152711	152711	A-1382	1	(0	
A- 1383	BRACKET: "L" shape; steel, nickel pl; approx 1-15/32" lg x 7/8" h x 3/8" wd o/a, 0.065" thk material; mts by 2 body holes in short side; rectangular slot in lg side near end	Guide for 0-2104 N5815-370-0554	·	N17-T 350014- 0205	СТТ	150557	150557	A-1383	1	(0	
A-1384	BRACKET: irregular shape; steel, nickel pl; approx 9-1/4" lg x 2-1/4" h x 1/2" wd o/a, 0.035" thk material; mts by body hole in short ear and elongated slot in lg ear; body slants down one end and curves up on other end, formed arm on ea side w/formed mtg ear at end of ea arm	Guides and feeds paper to 0-2028 N5815-370-0702		N17-T 350014- 0368	СТТ	150840	150840	A-1384	1		0 0	
A-1385	BRACKET: "L" formed w/cutout and ear at forming, one side formed; steel, nickel pl; approx 1-1/4" lg x 9/16" h x 5/8" wd o/a, 0.035" thk material; mts by 2 holes in straight side of "L"	Clamps 0-2143 to 0-2142 and guides paper to 0-2136 N5815-370-0427		N17-T 350013- 0977	СТТ	150274	150274	A-1385	3		0 0	
A-1389	FRAME: steel, nickel pl; irregular shape, formed at 3 places, 8 irregular shaped holes -6 w/formed e ars, 7 elongated holes -2 curved, one rectangular shaped hole, 44 body holes and 21 tapped holes - one w/weld disc; approx 9-11/16" h x 8-3/8" lg x 1-11/16" wd o/a, 0.065" thk material; mts by 2 tapped holes w/weld discs in large formed wing and body hole in small formed wing, RH mtg	Right side frame for automatic typer N5815-370-1788		N17-T 350015- 0663	СТТ	152580	152580	A-1389	1		0 0	
A-1390	BRACKET: irregular shape, formed in approx ctr, ctb hole in curved end, tapped hole in straight end; steel, nickel pl; approx 7/8" h x 5/8" wd x 23/32" lg o/a, 0.095" thk material; mts by two tapped holes in curved end, RH mtg	Support for A-1324 N5815-370-0559		N17-T 350014- 0210	СТТ	150545	150545	A-1390	1		0 0	
A-1391	FRAME: steel, nickel pl; irregular shape formed at 4 places, 2 formed ears, 4 irregular shaped holes - 3 w/formed ears - one at upper formed wing, 6 elongated holes, one rectangular hole, 39 body holes and 18 tapped holes, 2 studs riveted to frame; approx 9-11/16" h x 8-3/8" lg x 1-17/32" wd o/a, 0.065" thk material; mts by 2 tapped holes w/weld discs in large formed wing and body hole in lower formed wing, LH mtg; "1" and "2" stamped in upper formed wing	Left side frame for automatic typer N5815-370-1789	·	N17-T 350015- 0664	СТТ	152581	152581	A-1391	1		0 0	
									. [

		PARTS								SP	ARE	PA	RTS
YMBOL	NAME OF PART	FUNCTION	JAN OR	STANDARD NAVY		IUFAC- IRERS	TELETYPE	ALL SYMBOL	2 Z	EQ	UIP.	STO	оск
DESIG.	AND DESCRIPTION	AND FEDERAL STOCK NUMBER	NAVY TYPE DESIGNATION	STOCK NUMBER	CODE	DESIG.	PART NO.	DESIGNATIONS INVOLVED	TOTAL NO. PER EQUIP.	BOX	QUAN.	XO8	OUAN
-1392	BRACKET: irregular shape, formed in approx ctr, ctb hole in curved end, tapped hole in straight end; steel, nickel pl; approx 7/8" h x 5/8" wd x 23/32" lg o/a, 0.095" thk material; mts by 2 tapped holes in curved end, LH mtg	Support for A-1325 N5815-370-0558		N17-T 350014- 0209	СТТ	150546	150546	A-1392	1	0	0		
2601	BRACKET: irregular shape, "U" formed; steel, nickel pl; 10-5/8" lg x 2-19/64" wd x 1-13/64" h o/a, 0.042" thk material; mts by four #6-40 holes; 3 slots ea side in line, 3 formed ears, 3 cutouts, 4 body holes and 2 elongated holes irregularly located	Guides and supports 0-2602 and 0-2605 (TT-171/UG only)		**	СТТ	153112	153112	A-2601	1	0	0		
- 2602	BRACKET: "L" shape; steel, nickel pl; $1-5/8$ " lg x $1/2$ " wd x $3/8$ " h o/a, 0.065" thk material; mts by 2 holes on 1" mtg/c; #6-40 hole in short side	Supports A-2603 by H-2611 (TT-171/UG only)		**	СТТ	151867	151867	A-2602	2	0	0		
- 2603	COVER: for keylevers; grey bakelite or Tenite II, dull satin finish on outside contour; irregular shape, dished out one side; approx 16-1/2" lg x 4-1/16" h x 1-7/16" d o/a; mts by two #6-40 holes 12-7/8" c to c in rear and 2 guide holes in recessed wells in bottom; 3 keytop guide holes and four #4-40 holes in top	Cover and guide for 0-2601 and 0-2604 (TT-171/UG only) N5815-315-3325		N17-T 350017- 0490	CTT	153117	153117	A-2603	1	0	0 ,		
- 501	MOTOR, AC: synchronous type; 1/20 hp, 3600 rpm; open frame, 2 poles; 40° C max temp rise; thermal overload; #6-40 tapped hole in shaft for pinion; approx 6-13/16" lg x 3-25/32" diam, 3/8" diam shaft protrudes 1-7/16" one end; 115v AC, 60 cyc, single ph 9 amp starting, 2 amp running 0.4 pf; CTT frame 19; clamp mtg; 2 ball type oilers on ea end cap, combination fan, handwheel, 2 internal ventilating fans; ball bearings, 30 oz inch starting torque, aluminum parts anodized, steel parts cad pl			N17-T 350015- 0873	CTT	151795	151795	B-501	1	0	0		
- 502	FAN: turbine type; elect ric motor operated; aluminum blades; approx 3-1/8" OD x 3/8" ID x 21/32" wd o/a; direct drive; mts by body hole through hub	Cools synchronous motor N5815-370-1257		N17-T 350015- 0102	СТТ	123769	123769	B-502	1	0	0		



CHANGE 2







NAVSHIPS 91713

TABLE 8-4.	COMBINED	PARTS AND	SPARE PARTS LIST

		PARTS								SF	ARE	PA	RTS
	NAME OF PART	FUNCTION	JAN OR	STANDARD	MAI	NUFAC-		ALL SYMBOL	ō ĕ.	EQ	JIP.	ST	OCK
SYMBOL DESIG.	AND DESCRIPTION	AND FEDERAL STOCK NUMBER	NAVY TYPE DESIGNATION	NAVY STOCK NUMBER	80 E	DESIG.	TELETYPE PART NO.	DESIGNATIONS INVOLVED	TOTAL NO.	xoa	DUAN.	× og	DUAN.
E- 103	INSULATOR, plate: rectangular shape; black bakelite, PS grade; approx 1-11/16" lg o/a; 5/8" wd x 1/16" thk; mts by notch in ea end	Insulator guard for J-101 N5815-370-1837		N17-T 350015- 0722	СТТ	152464	152464	E-103, E-1312	4	0	0		
-104	TERMINAL, nickel silver; narrow end formed to "U" shape, body hole in other end; approx 5/8" lg x 1/4" wd x 1/8" h g/a, 0.015" thk material; formed end tin dipped	Ground terminal for and holds Z-101 to A-105 N5815-370-1223		N17-T 350014- 0963	СТТ	151365	151365	E-104	1	0	0		
C- 109	WASHER, insulating: natural or black bakelite; round approx 9/32" OD x 3/32" ID x 0.015" thk o/a	Insulates 0-383 from H-414 N5815-370-0811		N17-T 350014- 0478	СТТ	151182	151182	E-109	1	1	1		
C-110	INSULATOR, bushing: cylindrical shape; black bakelite, grade XX w/steel sleeve over body; 5/32" lg; 1/4" OD x 3/32" ID, body 3/16" diam	Insulates 0-383 from H-413 N5815-370-0810		N17-T 350014- 0477	СТТ	151183	151183	E-110	1	1	1		
:-111	SCREW, contact: wrench drive; Hex H; steel, nickel pl; #4-40; approx 7/16" lg o/a; 3/16" lg threaded portion; head 5/32" thk x 1/4" across flats; 1/8" diam x 1/32" thk tungsten point brazed on head	Sends spacing and marking impulses through mating and breaking with 0-383 and holds E-112 to A-140 N5815-370-0817		N17-T 350014- 0484	СТТ	151173	151173	E-111	2	1	2		
- 112	TERMINAL, lug: nickel silver; approx 7/32" wd x 3/8" lg x 1/8" h o/a, 0.015" thk material; solder connects to wire; rounded end w/concentric hole, other end curved w/formed ear in cutout	Termination for conductor from Z-101 N5815-370-0813		N17-T 350014- 0480	СТТ	151179	151179	E-112	2	0	0		
C- 113	TERMINAL, lug: nickel silver approx 1-1/16" lg x 5/16" h x 3/16" wd o/a, 0.032" thk material; solder connects to wire; "V" shaped cutout one side, formed ear (tinned dipped) and rectangular cutout other side, small arm same side	Terminal for 0-383 and conductor from Z-101 N5815-370-0815		N17-T 350014- 0482	СТТ	151177	151177	E-113	1	1	1		:
C-501	ROTOR, motor: c/o rotor w/bladed shields and Teletype #122211 pull washers and #122201 ball bearings ea end; steel w/copper bars; 115v, 2 amp; 1/20 hp, 3600 rpm; approx 8-21/64" lg x 2" diam o/a; bearing centers 4-1/4"; #6-40 hole near ea end of shaft	Operates 0-265, 0-267 or 0-268 and B-501 N5815-318-5055		N17-T 350016- 0444	СТТ	128874	128874	E-501	1	0	0		
E- 502	INSULATOR, plate: rectangular w/both corners cutout on one side, PS grade, natural color bakelite; approx 2-9/16" lg o/a; 1-3/8" wd x 1/32" thk, two 1/8" diam mtg holes 2-9/32" c to c	Insulates K-501 from A-504 N5815-370-1219		*N17-T 350014- 0952	СТТ	151924	151924	E-502	1	0	0		

E-503	WASHER, flat: natural color bakelite, PS grade; round, approx 9/32" OD x 1/8" ID x 0.031" thk o/a	Insulates S-501 from mount- ing hardware N5815-412-7002		N17-T 350009- 0623	СТТ	87334	87334	E-503		4	0	0	
E-504	WASHER, flat: fibre; round, approx 11/64" ID x 3/8" OD x 0.062" thk o/a	Insulati ng w ashers for H-503		Shop Manu- facture	СТТ	153049	153049	E-504		2	0	0	
E-601	ARMATURE, motor: c/o shaft w/armature in approx ctr, pull washer and ball bearing on ea side of armature; steel w/copper wire 115v, 2 amp; 1/20 hp, 3600 rpm; approx 9" lg x 2-1/4" diam o/a; approx diam of bearing shoulders 3/4" and 1/2", bearing centers 4-7/8" apart; motor number stamped on armature; tapped hole through shaft near ea end	Operates 0-265, 0-267 or 0-268 and B-603 N5815-371-8159		N17-T 350014- 0914	СТТ	122210	122210	E-601		1	0	0	
E-602	WASHER, flat: fiber; round, approx 1-1/2" OD x 17/32" ID x 0.010" thk o/a	Insulates C-601 from O-603 N5330-186-8892	-	N17-T 350010- 0170	СТТ	91837	91837	E-602		2	0	0	
E-603	INSULATOR, plate: rectangular shape; mica; 2-1/8" ig o/a; 1-3/8" wd x 1/32" thk	Insulated R-601 from C-603 N5815-370-1567		N17-T 350015- 0426	СТТ	152058	152058	E-603,	E-606	2	0	0	
E-604	BRUSH, electrical contact: carbon, Natl Carbon grade "AY"; rectangular shape, approx 3/4" lg x 5/16" wd x 1/8" thk, shunt 1-1/4" lg; mts by hole in term plate soldered to shunt; concave contact; round groove opposite contact end	Electrical contact brush for E-612 N5815-370-0650		N17-T 350014- 0314	CTT	150882	150882	E-604,	E-605	2	1	2	
E- 605	Same as E-604	Electrical contact brush for E-611											
E-606	Same as E-603	Insulates terminals of Z-601 from H-640	,			:							
E-607	BRUSH, electrical contact: carbon brush; rectangular shape, approx 11/16" lg x 3/8" wd x 1/8" thk o/a, 1-3/4" lg spring w/term at end, pigtail connects from brush to term; mts by term; commutator end concave	Completes series circuit, electrical contact brush for E-601 N5977-296-5445	e e en la companya de	N17-T 350015- 0936	СТТ	122205	122205	E-607,	E-608	2	1	2	
E-608	Same as E-607	Completes series circuit, electrical contact brush for E-601											
E-609	SPRING: helical extention type; capacitor terminal; 0.016" diam phosphor bronze wire; 1-1/4" x 1/8" OD; approx 37 turns; 2 turns bent up ea end	Terminals for C-601 N5815-524-3410		* "Not fur occurs,	nisheo do no	t reques	151455 aintenance t replacen ed or fabri	ent unles		2	0	0	

		PARTS		***						SF	ARE	PA	RTS
SYMBOL DESIG.	NAME OF PART AND DESCRIPTION	FUNCTION AND FEDERAL STOCK NUMBER	JAN OR NAVY TYPE DESIGNATION	STANDARD NAVY STOCK NUMBER		NUFAC- IRERS DESIG.	TELETYPE PART NO.	ALL SYMBOL DESIGNATIONS INVOLVED	TOTAL NO.	EQ: XO8	UIP.	ST XO	OCK
E-611	CONTACT, governor: irregularly formed arm w/flat spring and plate riveted to one end, tungsten point brazed on other end; approx 2" lg x 7/16" h x 5/16" wd o/a; mts by hole in spring; hole in approx ctr of arm	Opens and closes resistance circuit for series motor N5815-370-0708		N17-T 350014- 0374		150856	150856	E-611	1	1	1		
E-612	SCREW, contact: wrench drive; steel, nickel pl; #6-32; approx 3/8" lg o/a; 3/16" lg threaded portion; head 3/32" thk x 1/4" across flats; 1/4" diam x 1/16" thk contact brazed on head	Contact for resistance cir- cuit of series motor N5305-391-9625		N17-T 350012- 0623	СТТ	6320	6320	E-612	1	1	1		
E-613	WASHER, flat: natural color bakelite; round, approx 1/2" OD x 1/4" ID x 1/32" thk o/a	Insulates A-617 from H-665 N5815-370-0705		N17-T 350014- 0371	стт	150849	150849	E-613, E-616, E-619	6	0	0		
E-614	INSULATOR, bushing: round; natural color grade XX bakelite; approx 1/8" lg o/a; 7/32" OD x 1/8" ID	Insulates A-617 from H-663 N5815-370-0342		N17-T 350013- 0890	стт	150868	150868	E-614, E-617 E-620	6	0	0		
E-615	INSULATOR, plate: oblong shape; natural color bakelite; approx 1-1/4" lg x 11/16" wd x 1/32" thk o/a; mts by 2 holes	Insulates A-617 from B-603 N5815-370-0706		*N17-T 350014- 0372	стт	150850	150850	E-615, E-618, E-621	3	0	0		
E-616	Same as E-613	Insulates A-618 from H-673											
-617	Same as E-614	Insulates A-618 from H-670 and H-671											
E-618	Same as E-615	Insulates A-618 from B-603											
-619	Same as E-613	Insulates A-619 from H-677											
C-620	Same as E-614	Insulates A-619 from H-674 and H-675											
E- 621	Same as E-615	Insulates A-619 from B-603											
E- 622	INSULATOR, bushing: round shoulder bushing; natural color, grade XX bakelite; approx 1/16" lg o/a; 5/16" OD x 1/8" ID	Insulates E-611 from 0-613, H-655 and H-684 N5815-370-2010		N17-T 350015- 0907	СТТ	152495	152495	E-622	2	0	0		
		SYMBOL DESIGNATIONS E-	, 751 TO E-760 1	USED ON C	Y-87	0/UG A	ID CY-871,	UG CABINETS					
E-751	LAMP, incandescent: 6-8v, 1.14 amps, 6 cp; bulb G-6 clear; 1-7/16" lg o/a; miniature bayonet base; C-2R filament; burn any position	Illuminates copy		G6240- 797-4370		82	151982	E-751, E-752, I-751	3	1	4		

i	· •		1	ı				1		1		
E-752	Same as E-751	Illuminates copy										
E-753	INSULATOR, plate: rectangular shape; , grade P, natural color bakelite; approx 16" lg x 2-7/16" h x 0.016" thk o/a; mts by six holes irregularly spaced in row; white figures "1" through "30" stamped or stenciled across lg	Insulates TB-751, TB-752 and TB-753 from cabinet shell N5815-370-1066		*N17-T 350014- 0757	СТТ	151435	151435	E- 753	1	0	0	
E- 7 58	ARMATURE: steel, nickel pl; "L" shape, c/o striker ball riveted to clapper, which is welded to arm, plate welded to other end of arm; approx 1-3/4" lg x 1/2" wd x 1-9/16" h o/a; mts by 2 notches in arm; 2 holes in arm at corner of "L"	Rings I-752 when attracted by E-759 N5815-699-3318		N17-T 350014- 0779	СТТ	151567	151567	E-758	1	0	0	
E-759	MAGNET: 190 ohms ± 10%, #34 wire, 4,000 turns, 500 vact; approx 1-1/2' ig x 1" wd x 1-3/32" h o/a; mts by tapped hole in bottom	Attracts E-758 N5999-370-0089		N17-T 350013- 0603	СТТ	247M	247M	E-759, E-1110	2	0	0	
E- 760	KNOB: "pear" shape; gray bakelite; for 1/4" diam shaft; two #8-32 slotted type set screws; approx 1-5/8" lg x 19/32" h x 3/4" wd o/a; brass insert	Operates 0-770 N5355-284-5895		N16-K 700178- 0266			151556	E-760	1	1	1	
E- 1101	INSULATOR, plate: rectangular w/curved ends; natural color bakelite; approx 4-1/16" lg x 1" wd x 1/16" thk o/a; mts by hole near ea end; characters "1" through "9" stamped ea side, equally spaced	Insulator plate for TB-1101 N5815-370-0182		*N17-T 350013- 0727	СТТ	151412	151412	E-1101, E-1103 E-1108	3	0	0	
E-1102	STRAP, terminal: nickel silver; two elongated cutouts forming three rounded ears; approx 1" $\lg x \ 9/16$ " h x 0. 020" thk o/a; mts by 3 body holes at ends of rounded ears	Connects H-1110 terminals N5815-370-1989		N17-T 350015- 0880	СТТ	152755	152755	E-1102	2	0	0	
E- 1103	Same as E-1101	Insulator plate for TB-1102								l		
E- 1108	Same as E-1101	Insulator plate for TB-1104										
E- 1109	WASHER, flat: gray fibre; round, approx 1/2" OD x 3/16" ID x 1/16" thk o/a	Insulates R-1101 from A-1108, H-1162 and H-1163 N5970-391-9624		N17-T 350005- 0764	СТТ	5816	5816	E-1109	2	0	0	
E-1110	Same as E-759	Attracts E-1112						•				
E- 1111	INSULATOR, plate: rectangular; natural color bakelite; approx 2-1/4" lg x 3/4" wd x 0.016" thk o/a; mts by hole ea end	Insulates S-1104 from A-1109 N5815-370-0179		*N17-T 350013- 0723	СТТ	151406	151406	E-1111	1	0	0	
E-1112	ARMATURE: steel w/2 bakelite insulators; c/o lg strip irregularly cutout one end w/elongated slot, formed in approx ctr, insulator riveted on ea side between irregular shaped cutout and forming, armature rive-	Operates S-1104 and S-1105 N5815-370-0189		N17-T 350013- 0734		151432	151432	E-1112	1	0	0	
	ted to other end, 2 body holes near ctr; approx 2-5/8" lg x 1" h x 1/8" wd o/a; mts by slotted ear on ea corner of wd end		:	occurs,	do no	ot reques		part. If failure nent unless the item				

		PARTS											DTC
		PARIS		I	MAI	NUFAC-			122			_	ARTS
SYMBOL DESIG.	NAME OF PART AND DESCRIPTION	FUNCTION AND FEDERAL STOCK NUMBER	JAN OR NAVY TYPE DESIGNATION	STANDARD NAVY STOCK NUMBER		DESIG.	TELETYPE PART NO.	ALL SYMBOL DESIGNATIONS INVOLVED	TOTAL NO.	EQ. XOB	OUAN.	XO	OCK OCK
-1113	PLATE, armature: iron, nickel pl; 2 rounded ends, arm one side, irregularly cutout and notched between 2 arms on other side; approx 1-11/16" lg x 1-23/32" wd x 5/64" thk o/a, 0.049" thk material; mts by notched arms; rivet swaged near ea end, body hole near ctr	Operates E-1112 N5815-091-9613		N17-T 350017- 0589	СТТ	152849	152849	E-1113	1	0			
-1301	SPRING, contact: nickel silver; one end formed w/notch on ea side, other end has irregular shaped bakelite fitting; approx 2" lg x 3/16" h x 3/8" wd o/a, 0.015" thk material; mts by round cutout near formed end; cont point riveted and soldered near bakelite fitting	Mates with E-1302 and operates E-759 N5815-412-9175		N17-T 350013- 0588	СТТ	150588	150588	E-1301	1	0	0		
- 1302	SPRING, contact: nickel silver; one end formed w/2 notches; approx 1-5/8" lg x 3/16" h x 1/8" wd o/a, 0.032" thk material; mts by round cutout near formed end; cont point riveted and soldered near straight end	Mates with E-1301 and operates E-759 N5815-412-9171		N17-T 350013- 0584	СТТ	150576	150576	E-1302	1	1	1		
- 1303	INSULATOR, bushing: tubular shape; natural color, grade XX bakelite; approx 1/4" lg o/a; 3/16" OD x 1/8" ID	Insulates E-1301 and E-1302 from H-1416 N5815-370-0371		N17-T 350013- 0921	СТТ	150553	150553	E-1303	2	0	0		
- 1304	INSULATOR, plate: rectangular shape; black, PS grade bakelite; 1-25/32" lg o/a; 1/2" wd x 0.062" thk; mts by body hole near ea end; two body holes in row w/mtg holes, all holes 7/16" c to c	Insulates E-1301 from 0-1437 and retains E-1301 in slot of E-1305 N5815-370-0548		N17-T 350014- 0199	СТТ	150571	150571	E-1304	1	0	0		
- 1305	SEPARATOR, contact: black bakelite; approx 1-25/32" lg x 1/2" wd x 7/64" thk o/a; mts by 4 holes; 4 slots across wd	Insulates E-1301 from E-1302 and retains E-1302 in slot of E-1306 N5815-370-0547		N17-T 350014- 0198	СТТ	150572	150572	E-1305	1	0	0		
- 1306	SEPARATOR, contact: black bakelite; approx 1-25/32" lg x 1/2" wd x 5/64" thk o/a; mts by 4 holes; 4 slots across wd	Insulates E-1302 from A-132; N5815-370-0546		N17-T 350014- 0197	СТТ	150573	150573	E-1306	1	0	0		
- 1307	ARMATURE: c/o iron armature, steel armature extension, copper spring and steel clamp plate riveted together; approx 1-53/64" lg x 7/8" wd x 7/32" h o/a; mts by 2 holes in spring on 19/32" mtg/c	Attracted to E-1308 and E-1309 on line impulses (Used on Units with Teletype serial numbers 11501 and higher.) N5815-524-3411			СТТ	153543	153543	E-1307	1	0	0		
1308	MAGNET: 3600 turns, #33 wire, 132 w ± 10% resistance, 500 vact; approx 1-13/16" lg x 1-1/16" h x 7/8" wd o/a; mts by ID; "250" stamped near term; supplied w/2 CTT #1028 screws and #2438 washers	Attracts E-1307 or E-1310 N5815-370-1258		N17-T 350015- 0103	СТТ	250M	250M	E-1308, E-1309	2	1	1		

E- 1309	Same as E- 1308	Attracts E-1307 or E-1310								
E- 1310	ARMATURE: c/o arm extension w/formed sides and slot, copper spring, clamp plate, and arm w/csk hole riveted together; approx 1-15/16" lg x 7/8" wd x 7/32" h o/a; mts by 2 body holes in spring	Attracted to E-1308 and E-1309 on line impulses (Used on Units with Teletype serial numbers 11500 and lower) N5815-370-1474	N17-T 350015- 0332	CTT	152422	152422	E-1310	1	1	1
E- 1311	SHIELD, terminal; natural color bakelite; rectangular shape, 4 cutouts one side; approx 2" lg x 5/8" wd x 0.047" thk o/a; mts by 2 end ears	Insulator guards for terminals of E-1308, E-1309 and W-1302 N5815-370-1249	N17-T 350014- 0993	СТТ	152458	152458	E-1311	2	0	0
E- 1312	Same as E-103	Insulator guards for J-1301								
F-1101	FUSE, cartridge: 10 amp, 135% load for one hour; 125 volts or less; one time; ceramic body; ferrule terminals; nonindicating; approx 1-1/4" lg x 1/4" diam o/a	Protects one side of power circuit N5920-284-4130	N17-F 014327- 0030	CFA	ABC	151418	F-1101, F-1102	2	1	2
F- 1102	Same as F-1101	Protects one side of power circuit								
Н- 101	SCREW, machine: slot or wrench drive; Hex H; steel, nickel pl; 1/4" - 32; approx 2" lg o/a; 7/16" lg threaded portion; head 1-9/16" lg x 5/16" across flats	Holds A-105 to cabinet N5815-370-1140	N17-T 350014- 0862	СТТ	151549	151549	н-101	4	0	0
H- 102	WASHER, lock: SS; round, approx 13/32" OD x 3/16" ID x 0.022" thk o/a; shake- proof-type, twisted external teeth	Holds A-105 to cabinet N5815-370-1201	N17-T 350014- 0929	СТТ	151572	151572	Н- 102	4	0	0
H- 103	STUD: steel, nickel pl; 49/64" lg x 5/16" diam o/a; one end threaded 9/64" lg w/#6-4p thd, other end tapered; radial hole through shoulder (Replaces CTT #151116)	Holds H-106 to A-105 and locating guide for A-1389 and A-1391 N5815-524-3412		СТТ	154699	154699	н-103	2	0	0
H-104	SCREW, machine: slot drive; FH; steel, nickel pl; #6-40; approx 7/16" lg o/a; 3/8" lg threaded portion; head 1/16" thk x 7/32" diam	Holds H-106 to A-105 N5815-370-0165	N17-T 350013- 0709	СТТ	151346	151346	H-104, H-208, H-237, H-240, H-291, H-292, H-613, H-620, H-631, H-634, H-1104, H-1398, H-1651, H-1773, H-1776, H-1779, H-1862, H-2020, H-2073, H-2078, H-2087, H-2617	38	1	10
н- 105	WASHER, lock: steel; round, approx 1/4" OD x 5/32" ID x 1/32" thk o/a; split-ring type	Holds H-106 to A-105 N5815-369-9314	N17-T 350005- 0561	СТТ	2191		H-105, H-111, H-114, H-118, H-120, H-122, H-132, H-134, H-169, H-173, H-185, H-201, H-209, H-219, H-234, H-238, H-241, H-243, H-245, H-261, H-263, H-266, H-271, H-283		1	36

CHANGE 2

		PARTS							T	SPARE	E PA	RTS
YMBOL	NAME OF PART AND	FUNCTION AND	JAN OR NAVY TYPE	STANDARD NAVY	TL	NUFAC- JRERS	TELETYPE PART NO.	ALL SYMBOL DESIGNATIONS	ĕ≳L	QUIP.	↓_	ock I z
DESIG.	DESCRIPTION	FEDERAL STOCK NUMBER	DESIGNATION	STOCK NUMBER	SOD	DESIG.	PARI NO.	INVOLVED		OUAN.	ğ	OUAN.
								H-327, H-334, H-346, H-350, H-352, H-362, H-507, H-524, H-610, H-612, H-614, H-617, H-619, H-621, H-624, H-626, H-635, H-636, H-632, H-636, H-637, H-666, H-679, H-682, H-754, H-758, H-797, H-802, H-1102, H-1105, H-1108, H-1113, H-1117, H-1131, H-1117, H-1131, H-1144, H-1150, H-1164, H-161, H-1164, H-183, H-1345, H-1338, H-1345, H-1349, H-1354, H-1363, H-1371, H-1354, H-1363, H-1371, H-1376, H-1380, H-1371, H-1354, H-1430, H-1432, H-1430, H-1432, H-1430, H-1432, H-1441, H-1443, H-1474, H-1479, H-1479, H-1479, H-1479, H-1479, H-1479, H-1479, H-1479, H-1566, H-1564, H-1557, H-1557, H-1557, H-1559, H-1564, H-1566, H-1568, H-1572, H-1560, H-1560, H-1575, H-1577, H-1580, H-1577, H-1608, H-1577, H-1608, H-1577, H-1608, H-1577, H-1608, H-1577, H-1608, H-1577, H-1608, H-1611, H-1608, H-1622, H-1625, H-1634, H-1622, H-1625, H-1634,				

NAVSHIPS 91713

TABLE 8-4.	COMBINED	PARTS	AND	SPARE	PARTS	LIST	

		PARTS								SI	PARE	PA	RTS
SYMBOL DESIG.	NAME OF PART AND	FUNCTION AND	JAN OR NAVY TYPE	STANDARD NAVY STOCK	TL	NUFAC- IRERS	TELETYPE PART NO.	ALL SYMBOL DESIGNATIONS	TOTAL NO.	EQ	UIP.	! —	OCK Z
	DESCRIPTION	FEDERAL STOCK NUMBER	DESIGNATION	NUMBER	CODE	DESIG.		INVOLVED	<u> </u>	<u></u>	OCAN.	BOX	OUAN.
ł- 107	SCREW, pilot: slot or wrench drive; Hex H; steel, nickel pl; 1/4" - 32; approx 1-1/16" lg o/a; 9/32" lg threaded portion; head 3/16" thk x 3/8" across flats; pilot 3/8" lg x 3/16" diam, tapered at end; split ring lock washer held captive between head and threaded portion	Holds A-1389 and A-1391 to A-105 N5815-370-0925		N17-T 350014- 0593	СТТ	151678	151678	н-107, н-135	8	1	2		
H- 108	SCREW, machine: slot drive; Fil H; steel, nickel pl; #6-40; approx 3/8" lg o/a; 5/16" lg threaded portion; head 1/16" thk x 1/4" diam	Terminal screw for TB-101 N5815-412-4974		N17-T 350004- 0640	СТТ	111017	111017	H-108, H-1110, H-1114, H-1158	31	1	4		
н- 109	NUT, hexagon: steel, nickel pl; #6-40; approx 3/16" thk o/a; 1/4" across flats	Holds H-108 to TB-101 N5815-370-0185		N17-T 350013- 0730	СТТ	151416	151416	H-109, H-1111, H-1115, H-1159	31	0	0		
H-110	STUD: steel, nickel pl; approx 7/8" lg x 1/4" across flats o/a; shank end threaded 1/4" lg w/#6-40 thd, head threaded 3/16" deep w/#6-40 thd; Hex H 5/16" lg	Holds TB-101 to A-105 and spaces E-102 N5815-370-0161		N17-T 350013- 0705	СТТ	151335	151335	н-110, н-756	8	0	0		
I- 111	Same as H-105	Holds TB-101 to A-105											
H- 112	NUT, hexagon: steel, nickel pl; #6-40; 3/32" thk o/a; approx 1/4" across flats	Holds TB-101 to A-105 N5310-194-8196		N17-T 350012- 0485	СТТ	3598		H-112, H-170, H-18 H-285, H-328, H-331 H-347, H-755, H-786 H-821, H-1109, H-1151, H-1157, H-165, H-1302, H-1314, H-1317, H-1489, H-1491, H-1519, H-1544, H-1547, H-1578, H-1598, H-1609, H-1612, H-1678, H-1692, H-1696, H-1791, H-1800, H-1803, H-1844, H-1803, H-1844, H-1887, H-1928, H-1932, H-1935, H-1941, H-1949, H-1970, H-1978, H-1981, H-1949, H-1970, H-1978, H-1981, H-2026, H-2032, H-2054, H-2057, H-2089, H-2095, H-2098,	5,]	1	20		

								H-2115, H-2150, H-2181, H-2183,H2199 H-2605, H-2608, H-2620			
н- 113	SCREW, machine: slot drive; FH; steel, nickel pl; #6-40; approx 5/16" lg o/a; 1/4" lg threaded portion; head 1/16" thk x 7/32" diam	Holds E-102 to H-110 N5815-370-0922		N17-T 350014- 0590	СТТ	151657		H-113, H-121, H-171, H-184, H-218, H-618, H-629, H-1137, H-1140, H-1143, H-1353, H-1362, H-1368, H-1387, H-1429, H-1431, H-1492, H-1558, H-1565, H-1643, H-1900, H-1927, H-1929, H-1960, H-1927, H-2101, H-2103, H-2101, H-2103, H-2101, H-2107, H-2111, H-2125, H-2127, H-21146, H-2172, H-2176, H-2179, H-2176, H-2179, H-2186,	78	1	15
Н-114	Same as H-105	Holds E-102 to H-110									
н- 115	LATCH, lever: steel, nickel pl; irregular shape, one end curved, cutout and formed ear below curve; approx 1-1/4" h x 7/8" lg x 3/16" wd o/a, 0.035" tlk material; mts by notth in ea side near ctr, LH mtg	Latches P-1101 to J-101 N5815-370-1836		N17-T 350015- 0721	СТТ	152463	152463	н-115, н-1482	2	0	0
н-116	LATCH, lever: steel, nickel pl; irregular shape, one end curved, cutout and formed ear below curve; approx 1-1/4" h x 7/8" lg x 3/16" wd o/a, 0.035" thk material; mts by notch in ea side near ctr; RH mtg	Latches P-1101 to J-101 N5815-370-1835		N17-T 350015- 0720	СТТ	152462	152462	н-116, н-1483	2	0	0
Н- 117	SCREW, machine: slot drive; FH; steel, nickel pl; #6-40; approx 3/8" lg o/a; 5/16" lg threaded portion; head 1/16" thk x 7/32" diam	Holds J-101 to A-101 N5815-370-0591		N17-T 350014- 0242	CTT	151658		H-117, H-133, H-200, H-260, H-264, H-361, H-616, H-627, H-1101, H-1134, H-1375, H-1473, H-1476, H-1484, H-1571, H-1621, H-1624, H-1685, H-1760, H-1945, H-1973, H-2622	40	1	10
Н- 118	Same as H-105	Holds J-101 to A-101	·								

CHANGE 2

PARTS FUNCTION JAN OR STANDARD MANUFACTURERS ALL SYMBOL								SF	ARE	PA	RT		
SYMBOL DESIG.	NAME OF PART	FUNCTION	IAN OP	SIANUARU TUDEDE			ALL SYMBOL	0 <u>=</u>	EQUIP.		. sto		
	AND DESCRIPTION	AND FEDERAL STOCK NUMBER	NAVY TYPE DESIGNATION	NAVY STOCK NUMBER	DESIG.		PART NO.	DESIGNATIONS INVOLVED	TOTAL NO.	sox	PUAN.	sos	_
I-119	SCREW, machine: slot drive; FH; steel, nickel pl; #6-40; approx 1/4" lg o/a; 3/16" lg threaded portion; head 1/16" thk x 7/32" diam	Holds A-101 to A-105 N5815-370-0926		N17-T 350014- 0594	СТТ	151692	151692	H-119, H-131, H-244, H-262, H-268, H-282, H-349, H-523, H-1304, H-1400, H-1434, H-1437, H-1440, H-1442, H-1494, H-1645, H-1647, H-1716, H-1792, H-1804, H-1807, H-2061, H-2063, H-2123, H-2151, H-2601,	52	1	4		
- 120	Same as H-105	Holds A-101 to A-105											
- 121	Same as H-113	Holds H-123 to A-105											
-122	Same as H-105	Holds H-123 to A-105											
- 123	Same as H-106	Locks A-102 to A-105											
- 124	SCREW, machine: slot drive; Hex H; steel, nickel pl; 1/4" - 32; approx 11/16" lg o/a; 1/2" lg threaded portion; head 3/16" thk x 3/8" across flats	Holds A-102 to A-105 N5815-448-2167		N17-T 350004- 0448	стт	106047	106047	н- 124	2	1	2		
- 125	WASHER, lock: steel; round, approx 1/2" OD x 1/4" ID x 0.047" thk o/a; split-ring type	Holds A-102 to A-105 N5310-391-9568		N17-T 350013- 0169	СТТ	2449	2449	н-125, н-760, н-767	10	1	4		
- 126	SCREW, set: slot drive; FH; steel, nickel pl; #4-40; approx 1/4" lg o/a; 3/16" lg threaded portion; head 1/16" thk x 3/16" diam	Holds A-103 to A-105 N5815-369-8658		N17-T 350001- 0130	СТТ	110434	110434	H-126, H-181 H-1335, H-1342, H-1346, H-1351, H-1499, H-1504, H-1506, H-1508, H-1637, H-1728, H-1888, H-1965, H-2058, H-2170, H-2184	34	1	10		
- 127	WASHER, lock: steel; round, approx 3/16" OD x 1/8" ID x 0.020" thk o/a; split-ring type	Holds A-103 to A-105 N5815-412-9041		N17-T 350013- 0388	СТТ	110743	110743	H-127, H-175, H-177, H-182, H-190, H-193, H-195, H-198, H-203, H-217, H-255, H-275, H-279, H-297, H-310, H-325, H-354, H-357, H-383, H-385, H-389, H-396, H-399, H-403, H-407, H-416, H-418,		1	10		

							H-442, H-656, H-1309 H-1340 H-1347 H-1360 H-1377 H-1411 H-1417 H-1466 H-1500 H-1505 H-1509 H-1549 H-1638 H-1656 H-1709 H-1729 H-1753 H-1829 H-1829 H-1839 H-1849 H-1881 H-1891 H-1925 H-1920 H-	H-429, H-435 H-642, H-644 H-658, H-668, H-1336, H-13343, H-1352, H-1364, H-1395, H-1414, H-1419, H-1419, H-1425, H-1507, H-1502, H-1507, H-1506, H-1615, H-1615, H-1664, H-1666, H-1705, H-167, H-1836, H-1847, H-1826, H-1836, H-1847, H-1889, H-1847, H-1889, H-1889, H-1889, H-1894, H-1922, H-1956, H-1922, H-1956, H-1004, H-2004, H-2004, H-2045, H-2066, H-2066, H-2066, H-2066, H-2141, H-2158, H-2185,				PARTS LISTS NAVSHIPS 91713
Н- 128	SCREW, machine: slot drive; Fil H; steel, nickel pl; #2-56; approx 7/16" lg o/a; 3/8" lg threaded portion; head 1/16" thk x 3/16" diam	Holds S-101 to A-103 N5815-412-9020	N17-T 350013- 0359		125181	125181	H- 128		2	1	1	
Н- 129	SCREW, machine: slot drive; FH; steel, nickel pl; #4-40; approx 1/2" lg o/a; 5/32" lg threaded portion incl neck; head 1/16" lg x 5/32" diam; shoulder 5/16" lg x 5/32" diam	Bearing for and holds 0-103 to A-103 N5815-370-0245	N17-T 350013- 0792		102057	102057	Н-129		1	1	1	
н- 130	NUT, hexagon: steel, nickel plated; #4-40; 3/32" thk o/a; approx 3/16" across flats	Holds 0-103 to A-103 N5310-194-8195	N17-T 350012- 0486	СТТ	3599	3599	H- 157, H- 187, H- 199, H- 287,	H-152, H-154, H-161, H-165, H-191, H-196, H-256, H-273 H-289, H-320, H-419, H-441,		1	10	Section 8 H-127—H-130

PARTS STANDARD MANUFAC-										_	PARE	PA	KIS
YMBOL DESIG.	NAME OF PART AND DESCRIPTION	FUNCTION AND FEDERAL STOCK NUMBER	JAN OR NAVY TYPE DESIGNATION	STANDARD NAVY STOCK NUMBER		DESIG.	TELETYPE PART NO.	ALL SYMBOL DESIGNATIONS INVOLVED	TOTAL NO.	EQ XO8	VIP.	STC XO	OCK
								H-1365, H-1378, H-1423, H-1464, H-1503, H-1527, H-1616, H-1618, H-1620, H-1662, H-1714, H-1794, H-1806, H-2156,					
- 131	Same as H-119	Holds Z-101 to A-105											
-132	Same as H-105	Holds Z-101 to A-105											
I-133	Same as H-117	Holds 0-105 to A-105				ļ							
-134	Same as H-105	Holds 0-105 to A-105											
- 135	Same as H-107	Holds A-501 or A-609 to A-105											
- 136	WASHER, flat: steel, nickel pl; round, approx 7/16" OD x 5/32" ID x 1/32" thk o/a	Holds Z-101 to A-105 N5310-285-8087		N17-T 350013- 0202	СТТ	76099	76099	н- 136	1	1	1		
- 148	SCREW, machine: slot drive; Fil H; steel, nickel pl; #2-56; approx 1/2" lg o/a; 7/16" lg threaded portion; head 1/16" thk x 1/8" diam	Holds S-104 to A-108 N5815-369-9312			СТТ	1178	1178	H-148	2	1	1		
- 149	WASHER, flat: steel, nickel pl; round, approx 3/16" OD x 3/32" ID x 0.020" thk o/a	Holds S-104 to A-108 N5310-391-9677		N17-T 350013- 0188	СТТ	71073	71073	Н-149, Н-323	4	1	1		
- 150	STUD: steel, nickel pl; 3/4" lg x 5/16" across flats; one end threaded 3/16" lg w/#4-40 thd, other end threaded 5/32" lg w/#4-40 thd; small shoulder on both sides of hex portion	Mounting shaft for 0-120 N5815-370-1458		N17-T 350015- 0316	CTT	1518 7 9	151879	Н-150	1	1	1		
I- 151	WASHER, lock: steel; round, approx 1/4" OD x 1/8" ID x 0.016" thk o/a; shake proof- type, straight internal teeth	Holds H-150 to A-108 N5310-013-8522		N43-W 006806- 5540	CAX	1204- 00	90951	H-151, H-153, H-15 H-160, H-164	6 5	1	2		
- 152	Same as H-130	Holds H-150 to A-108											
-153	Same as H-151	Holds 0-120 on H-150											
I- 154	Same as H-130	Holds 0-120 on H-150											

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H-1181, H-1184, H-1306, H-1323, H-1372, H-1402.

		PARTS								SF	ARE	PA	RTS
YMBOL DESIG.	NAME OF PART AND DESCRIPTION	FUNCTION AND FEDERAL STOCK NUMBER	JAN OR NAVY TYPE DESIGNATION	STANDARD NAVY STOCK NUMBER		NUFAC- IRERS DESIG.	TELETYPE PART NO.	ALL SYMBOL DESIGNATIONS INVOLVED	TOTAL NO.	BOX	QUAN. 3	ST XON	OCK NOC
								H-1486, H-1512, H-1530, H-1562, H-1581, H-1623, H-1626, H-1649, H-1684, H-1699, H-1724, H-1789, H-1801, H-1947, H-1996, H-2001, H-2092, H-2132, H-2178, H-2618					
- 169	Same as H-105	Holds H-167 to A-108											
- 170	Same as H-112	Holds H-167 to A-108											
- 171	Same as H-113	Holds A-108 to A-105											
- 172	Same as H-168	Holds A-108 to A-105											
- 173	Same as H-105	Holds A-108 to A-105											
- 174	SCREW, machine: slot drive; FH; steel, nickel pl; #4-40; approx 9/16" lg o/a; 1/2" lg threaded portion; head 3/16" diam x 1/16 thk	Holds 0-133 to A-109 N5815-370-0465		N17-T 350014- 0116	СТТ	150089	150089	H-174, H-211, H-1465, H-1655	6	1	5		
- 175	Same as H-127	Holds 0-133 to A-109											
- 176	SCREW, machine: slot drive; FH; steel, nickel pl; #4-40; approx 11/16" lg o/a; threaded portion 5/8" lg; head 3/16" diam x 1/16" thk	Holds 0-135, 0-136, and A-110 to A-109 N5815-370-1167		N17-T 350014- 0890	СТТ	151688	151688	H-176, H-1460, H-1846, H-1875	5	1	3		
- 177	Same as H-127	Holds 0-135, 0-136 and A-110 to A-109											
- 179	SCREW, pilot; slot drive; FH; steel nickel pl; #6-40; approx 3/4" lg o/a; 5/8" lg threaded portion; head 1/16" thk x 1/4" diam; pilot at end of threaded portion	Pivot for and mounts 0-138 on A-109 N5815-370-0785		N17-T 350014- 0451	СТТ	151090	151090	H-179	2	1	1		
I-180	Same as H-112	Locks H-179 to A-109											
- 181	Same as H-126	Holds A-112 to 0-152											
- 182	Same as H-127	Holds A-112 to 0-152											
- 183	WASHER, flat: steel, nickel pl; round, approx 1/8" ID x 1/4" OD x 1/32" thk	Holds A-112 to 0-152 N5310-392-2045		N17-T 350012- 0634	СТТ	125011	125011	H-183, H-197, H-430 H-520, H-684, H-1310, H-1421, H-1501, H-1550,	40	1	10		

							H-1754, H-1957, H-2005,	H-1712 H-1917 H-1967 H-2008 H-2060				
H-194	Same as H-113	Holds 0-152 to A-105								1		
н- 185	Same as H-105	Holds 0-152 to A-105										
Н- 186	SCREW, shoulder: slot drive; FH: steel, nickel pl; #4-40; approx 1/4" lg o/a; 7/64" lg threaded portion; head1/16" thk x 1/4" diam; slot between shoulder and threaded portion	Holds 0-149 to 0-150 N5815-370-0741	N17-T 350014- 0407	СТТ	151036	151036	Н-186,	Н-286 Н-28	8 3	1	1	
H-187	Same as H-130	Holds 0-149 to 0-150										
н- 188	SCREW, shoulder: slot drive; FH; steel, nickel pl; #4-40; approx 3/8" lg o/a; 1/4" lg threaded portion; head 1/16" lg x 1/4" diam; shoulder 1/16" lg x 5/32" diam; slot between shoulder and threaded portion	Holds 0-150 to A-111 N5815-370-0166	N17-T 350013- 0710	СТТ	151350	151350	Н-188		1	1	1	
H- 189	WASHER, flat: steel, nickel pl; round, approx 1/4" OD x 1/8" ID x 0.035" thk	Holds 0-150 to A-111 N5815-370-0009	N17-T 350012- 0744	СТТ	104807	104807	H-189		2	0	0	
н- 190	Same as H-127	Holds 0-150 to A-111	0144									
H- 191	Same as H-130	Holds 0-150 to A-111								Ì		1
Н- 192	SCREW, machine: slot drive; FH; steel, nickel pl; #4-40; approx 5/16" lg o/a; 1/4" lg threaded portion; head 1/16" thk x 3/16" diam	Holds A-111 to 0-152 N5815-370-0211	N17-T 350013- 0756	СТТ	151637	151637	H-296, H-521, H-1359, H-1410, H-1674, H-1915,	H-274, H-27 H-512, H-51! H-655, H-1394, H-1424, H-1752, H-2003, H-2613		1	7	
H- 193	Same as H-127	Holds A-111 to 0-152]		
H- 194	STUD: steel, nickel pl; approx 11/16" lg x 5/16" across flats o/a; shoulder end threaded 5/32" lg w/#4-40 thd, eccentric end threaded 7/32" lg w/#4-40 thd	Bearing for 0-153 N5815-370-1711	N17-T 350015- 0582	СТТ	152250	152250	H- 194		1	1	1	
Н- 195	Same as H-127	Holds H-194 to A-109										
Н- 196	Same as H-130	Holds H-194 to A-109										
H-197	Same as H-183	Holds 0-153 on H-194										
H- 198	Same as H-127	Holds 0-153 on H-194										
Н- 199	Same as H-130	Holds 0-153 on H-194										

TABLE 8-4.	COMBINED	PARTS	AND	SPARE	PARTS	LIST
IADLE 0-4.	COMDINED	PARIS	AND	SPARE	PARIS	LI31

		PARTS								SP/	ARE	PARTS
YMBOL DESIG.	NAME OF PART AND DESCRIPTION	FUNCTION AND	JAN OR NAVY TYPE DESIGNATION	STANDARD NAVY STOCK		NUFAC- RERS DESIG.	TELETYPE PART NO.	ALL SYMBOL DESIGNATIONS INVOLVED	PER EQUIP.	EQUI	 -	STOCK
	DESCRIPTION	FEDERAL STOCK NUMBER	DESIGNATION	NUMBER	8				<u> </u>	<u> </u>	<u> </u>	<u> </u>
I-2 00	Same as H-117	Holds A-109 to A-105	j									
I- 201	Same as H-105	Holds A-109 to A-105										
- 202	SCREW, machine: slot or wrench drive; Hex H; steel, nickel pl; #4-40; approx 1/4" lg o/a; 3/16" lg threaded portion; head 1/16" thk x 3/16" across flats	Holds 0-159 to 0-138 N5815-370-0809		N17-T 350014- 0476		151152	151152	H-202, H-309, H-384, H-395, H-420, H-428, H-434, H-639, H-641, H-643, H-657, H-667, H-1308, H-1339, H-1708	31	1	10	
I - 203	Same as H-127	Holds 0-159 to 0-138										
I-20 4	WASHER, flat: steel, nickel pl; round, approx 7/32" OD x 1/8" ID x 1/32" thk o/a	Holds 0-159 to 0-138 N5310-391-9658		N17-T 350013- 0176		42823	42823	H-204, H-355, H-1827, H-1830, H-1837, H-1840, H-1850, H-1853, H-1869, H-1882, H-1892, H-1895	24	1	10	
- 205	LATCH, lever: steel, nickel pl; irregular shape. spring notched ear at rounded end, latching ear at other end; approx 1-7/32" lg x 11/16" h x 0.050" thk o/a; mts by body hole in rounded end	Bounce suppression latch for symbols 0-140 through 0-144 N5815-320-8153		N17-T 350016- 0160	СТТ	152873	152873	Н- 205	5	0	0	
- 206	RING, retainer: steel, nickel pl; "C" shape w/2 int cutouts; approx 3/16" OD x 1/16" ID x 0.015" thk o/a	Retains H-205, 0-163 and 0-164 on 0-162 and retains 0-162 to A-114 N5340-282-07el		N17-T 350013- 0798		DES 5133-9	119648	H-206,H-207, H-329 H-344, H-401, H-405, H-433, H-1613	11	1	5	
- 207	Same as H-206	Retains 0-160 on 0-161 and retains 0-161 to A-114										
- 20 8	Same as H-104	Hoids A-109 and A-114 to A-105										
I - 2 09	Same as H-105	Holds A-109 and A-114 to A-105										
i- 210	Same as H-168	Holds A-109 and A-114 to A-105										
- 211	Same as H-174	Adjustment screw for positioning A-114										
- 212	NUT, hexagon: steel, nickel pl; #4-40; approx 1/16" thk • a: 1/4" across flats	Locks A-114 and H-211 in adjusted position N5815-369-8690		N17-T 350001- 0164	СТТ	110435	110435	H-212, H-443, H-798, H-1175, H-1178, H-1570, H-1926	9	1	2	

H-216	SCREW, pilot: wrench drive; Hex H; steel, nickel pl; #4-40; approx 9/32" lg o/a; 3/32" lg threaded portion, incl slot; head 1/16" thk x 3/16" across flats; 1/8" lg x 5/64" diam pilot	Pivot for 0-174 N5815-370-0778		N17-T 350014- 0444	СТТ	151082	151082	H-216	1	1	1	
H-217	Same as H-127	Locks H-216 to 0-173						·				
H-218	Same as H-113	Holds 0-173 to A-109										
H-219	Same as H-105	Holds 0-173 to A-109										
H-220	Same as H-168	Holds 0-173 to A-109										
H-221	SCREW, machine: slot or wrench drive; Hex H; steel, nickel pl; #10-32; approx 15/32" lg o/a; 3/8" lg threaded portion; head 3/32" thk x 5/16" across flats	Holds 0-252 to A-105 N5815-370-0934		N17-T 350014- 0602	СТТ	151723	151723	Н- 221	1	1	2	
H- 222	WASHER, lock: steel; round, approx 11/32" OD x 3/16" ID x 0.047" thk o/a; split-ring type	Holds 0-252 to A-105 ** N5310-391-9572	·	N17-T 350013- 0122	СТТ	2669	2669	H-222, H-225, H-228, H-231, H-339, H-359, H-1531, H-1641, H-1658, H-1681, H-1743, H-1755, H-1758, H-1763, H-1953, H-1989,		1	10	
								H-2068, H-2070, H-2189, H-2192				
H- 223	WASHER, flat: steel, nickel pl; round, approx 7/16" OD x 3/16" ID x 0.050" thk	Holds 0-252 to A-105 N5310-391-9586		N17-T 350005- 0622	СТТ	3438	3438	H-223, H-230, H-2621	3	1	2	
H- 224	SCREW, machine; slot or wrench drive; Hex H; steel, nickel pl; #10-32; approx 23/32" lg o/a; 5/8" lg threaded portion; head 3/32" thk x 5/16" across flats	Holds 0-253 to A-105 N5815-370-0935		N17-T 350014- 0603	СТТ	151724	151724	н- 224	2	1	2	
H- 225	Same as H- 222	Holds 0-253 to A-105										
H-226	BUTTON, pivot: steel, nickel pl; approx 1/2" OD x 3/16" ID x 5/32" thk o/a; mts by ID	Adjustment pivot for 0-253 N5815-370-0932		N17-T 350014- 0600	СТТ	151712	151712	Н- 226	2	0	0	
H-227	SCREW, machine: slot drive; FH; steel, nickel pl; #10-32; approx 27/32" lg o/a; 3/4" lg threaded portion; head approx 3/32" thk x 9/32" diam	Locks 0-253 in position N5815-370-0936		N17-T 350014- 0604	СТТ	151725	151725	Н-227, Н-229	2	1	1	
H- 228	Same as H-222	Locks 0-253 in position										
H- 229	Same as H-227	Provides adjustment for mating of 0-257 and 0-1842 through 0-253		·								
H- 230	Same as H-223	Holds 0-255 to 0-253						 				
H-231	Same as H-222	Holds 0-255 to 0-253		ı								
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TABLE 8-4.	COMBINED	PARTS	AND	SPARE	PARTS !	LIST

		PARTS								SP/	ARE	PA	RTS
SYMBOL DESIG.	NAME OF PART AND DESCRIPTION	FUNCTION AND FEDERAL STOCK NUMBER	JAN OR NAVY TYPE DESIGNATION	STANDARD NAVY STOCK NUMBER		NUFAC- IRERS DESIG.	TELETYPE PART NO.	ALL SYMBOL DESIGNATIONS INVOLVED	TOTAL NO.	£QUI	<u></u> - -	STC X Q	NA N
I-232	NUT, hexagon: steel, nickel pl; #10-32; approx 3/32" thk o/a; 5/16" across flats	Holds 0-255 to 0-253 N5815-369-9146		N17-T 350004- 0694		112626	112626	H-232, H-340, H-360, H-1532, H-1659, H-1744, H-1756, H-1759, H-1764, H-1954, H-1990, H-2190, H-2193, H-2195, H-2197		1			
- 233	SCREW, machine; slot drive; FH; steel, nickel pl; #6-40; approx 1/2" lg o/a; 7/16" lg threaded portion; head 1/16" thk x 7/32" diam	Locks A-117 to 0-255 N5815-370-0202		N17-T 350013- 0747	СТТ	151618	151618	H-233, H-1348 H-1747, H-1749, H-1765, H-1768, H-1770	9	1	2		
i - 234	Same as H-105	Locks A-117 to 0-255											
- 235	WASHER, flat: steel, nickel pl; round, approx 1/32" thk x 21/32" OD x 3/8" ID o/a	Spaces 0-260 and 0-254 N5815-370-0154		N17-T 350013- 0698	СТТ	151246	151246	н- 235	1	0	0		
- 236	Same as H-158	Retains 0-262 on A-117											
- 237	Same as H-104	Holds 0-264 to 0-275											
- 238	Same as H-105	Holds 0-264 to 0-275											
24 0	Same as H-104	Locks 0-267 or 0-268 to E-501 or E-601											
- 241	Same as H-105	Locks 0-267 or 0-268 to E-501 or E-601						\					
- 242	SCREW, machine; Slot or wrench drive; Hex H; steel, nickel pl; #6-40; approx 3/8" lg o/a; 5/16" lg threaded portion; head 1/16' thk x 1/4" across flats	Holds 0-269 or 0-270 to 0-255 N5815-370-0209		N17-T 350013- 0754	СТТ	151631	151631	H-242, H-1574	4	1	2		
I- 24 3	Same as H-105	Holds 0-269 or 0-270 to 0-255											
- 244	Same as H-119	Holds A-119 or A-120 to A-105											
- 245	Same as H-105	Holds A-119 or A-120 to A-105											
- 246	RING, retainer: steel, nickel pl; "C" shape w/two int cutouts; approx 11/32" OD x 5/32" ID x 0.025" thk o/a	Retains 0-271 to A-119 or 0-276 to A-120 N5340-265-9964		For re- placement use SNSN R0 02047-	N42-	5133- 18		H-246, H-251, H-252, H-312, H-336, H-341, H-432, H-1321,	48	1	20		

							H-1393, H-1586, H-1599, H-1601, H-1606, H-1707, H-1782, H-1910, H-1943, H-1950, H-1983, H-1991, H-1993, H-2116,	H-1358, H-1551, H-1592, H-1600, H-1602, H-1650, H-1720, H-1814, H-1942, H-1944, H-1951, H-1987, H-2002, H-2117, H-2120			, per management of the second	
H-251	Same as H-246	Retains 0-278 or 0-277 to A-121 and 0-279 on 0-278 or 0-277				i						
H-252	Same as H-246	Retains 0-283 on 0-278 or 0-277										
H-253	SCREW, machine: slot drive; FH; steel, nickel pl; #4-40; approx 13/32" lg o/a; 5/32" lg threaded portion; 5/16" diam x 3/32" thh head; 5/32" diam x 1/8" lg shoulder; slot between shoulder and threaded portion	Pivot for and holds 0-280 to 0-279 N5815-370-1781	N17-T 350015- 0656	СТТ	152122	152122	H-253		1	0	0	
H-254	WASHER, flat: steel, nickel pl; round, approx 5/16" OD x 1/8" ID x 0.060" thk o/a	Holds 0-280 to 0-279 N5815-412-4618	N17-T 350002- 0674	СТТ	85957	85957	H-254		1	0	0	
H- 255	Same as H- 127	Holds 0-280 to 0-279										
H- 256	Same as H-130	Holds 0-280 to 0-279										
H-257	Same as H-158	Retains 0-284 on stud of 0-283										
H-260	Same as H-117	Holds A-122 to A-105										
H-261	Same as H-105	Holds A-122 to A-105										-
H-262	Same as H-119	Holds A-121 to A-105										-
H-263	Same as H-105	Holds A-121 to A-105										
H-264	Same as H-117	Holds A-123 to A-105				i						
H-265	SCREW, machine: slot drive; Hex H; steel, nickel pl; #6-40; 5/16" lg o/a; 1/4" lg threaded portion; head 1/16" thk x 1/4" across flats	Holds A-124 to A-125 N5815-370-0208	N17-T 350013- 0753	CTT	15163(151630	H-1179, H-1337, H-1510, H-1521, H-1567, H-1688, H-1726, H-1873,	H-609, H-637 H-1319, H-1396, H-1515, H-1523, H-1579, H-1702, H-1843, H-1958, H-2130,	, 40	1	2	

	TABLE 8-4.	COMBINED	PARTS	AND	SPARE	PARTS	LIST
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	<u> </u>	PARTS									SF	PARE	E PA	IRTS
YMBOL DESIG.	NAME OF PART AND DESCRIPTION	FUNCTION AND FEDERAL STOCK NUMBER	JAN OR NAVY TYPE DESIGNATION	STANDARD NAVY STOCK NUMBER	MAI	NUFAC- IRERS DESIG.	TELETYPE PART NO.	DE	LL SYMBOL SIGNATIONS NVOLVED	TOTAL NO.	EQ XO	UIP.	ST X	OCK A A
I- 266	Same as H-105	Holds A-124 to A-125												
- 267	Same as H-168	Holds A-124 to A-125												
I- 26 8	Same as H-119	Holds A-125 to A-123												
I - 269	WASHER, flat: steel, nickelpl; round, approx 9/32" OD x 5/32" ID x 0.028" thk o/:	Spacer for A-123 N5815-370-0102		N17-T 350013- 0624	СТТ	91904	91904	H- 269		3	1	1		
I- 27 0	SCREW, machine: slot drive; FH; steel, nickel pl; #6-40; approx 9/16" lg o/a; 1/2" lg threaded portion; head 1/16" thk x 7/32" diam	Holds A-125 and A-123 to A-105 N5815-370-0923		N17-T 350014- 0591	СТТ	151659	151659	H-675,	H-663, H-670, H-681, , H-1979,	16	1	4		
I-271	Same as H-105	Holds A-125 and A-123 to A-105												
I - 272	SCREW, captive: slot drive; FH; steel, nickel pl; #4-40; approx 1/4" lg o/a; 3/32" lg threaded portion; 5/32" diam x 1/16" thk head; 3/32" lg x 0.058" diam neck	Spaces 0-289 (If so equipped) N5815-370-1742		N17-T 350015- 0614	СТТ	151844	151844	H-272		8	1	3		
i - 273	Same as H-130	Holds H-272 to H-273 (If so equipped)												
- 274	Same as H-192	Holds 0-287 to A-124												
i- 27 5	Same as H-127	Holds 0-287 to A-124												
t - 27 6	SCREW, pilot: slot drive; flat Fil H; steel, nickel pl; #6-40; 53/64" lg o/a; threaded portion 29/64" lg; head 3/32" thk x 1/4" diam; pilot 3/16" lg x 3/32" diam	Provides adjustment for spacing and retains 0-288 in channel formed by assembly of A-124 and 0-287		N17-T 350015- 0605	СТТ	151843	151843	н- 276		1	0	0		
t - 277	NUT, hexagon: steel, nickel pl; #6-40;1/16' thk o/a; approx 1/4" across flats	N5815-370-1733 Locks H-276 in position N5815-314-0466		N17-T 350005- 0747	СТТ	3606	3606		H-1106, , H-1142,	8	1	1		
- 278	S≘me as H-192	Holds 0-290, H-280 and H-281 to A-124												
- 27 9	Same as H-127	Holds 0-290, H-280 and H-281 to A-124												

H-280	PLATE, lock: steel, nickel pl; large end rounded, narrow end formed; approx 15/32" lg x 7/32" wd x 0.070" h o/a, 0.028" thk material; mts by hole in	Prevents operation of 0-205 N5815-370-1734	N17-T 350015- 0606	СТТ	151848	151848	H-280	1	0	0	
H-281	rounded end WASHER, flat: steel, nickel pl; round, approx 3/8" OD x 1/8" ID x 0.065" thk o/a	Spaces H-280 from A-124 N5815-370-0776	N17-T 350014- 0442	СТТ	151080	151080	H-281	2	0	0	
H-282	Same as H-119	Holds A-126 to A-125									
H- 283	Same as H-105	Holds A-126 to A-125									
H-284	SCREW, pilot: slot or wrench drive; Hex H; steel, nickel pl; #6-40; approx 1/2" lg o/a; 11/32" lg threaded portion; head 1/16" thk x 1/4" across flats; 3/32" diam x 3/32" lg pilot	Pivot 0-291 N5815-370-0134	N17-T 350013- 0678	СТТ	151224	151224	н- 284	2	1	1	
H-285	Same as H-112	Locks H-284 in position									
H- 286	Same as H-186	Pivot for and holds 0-292 to 0-291									
H- 287	Same as H-130	Holds 0-292 to 0-291									
H-288	Same as H-186	Pivot for and holds 0-293 to 0-292									
H-289	Same as H-130	Holds 0-293 to 0-292									
H- 290	SCREW, shoulder: slot drive; FH; steel, nicker pl; #4-40; approx 1/4" lg o/a; 1/16" lg threaded portion; head 1/16" thk x 7/32" diam; shoulder 1/16" lg x 5/32" diam; slot between shoulder and threaded portion	Pivots and holds 0-291 to 0-294 N5815-370-0133	N17-T 350013- 0677	СТТ	151223	151223	Н-290, Н-1909	3	1	1	
H-291	Same as H-104	Holds A-127 to A-125									
H-292	Same as H-104	Holds 0-295 to A-125									
H-293	WINDOW, plastic: clear lucite, frosted finish one side; beveled one end, over laps sides and other end; approx 2-1/8" wd x 4-7/16" lg x 1/8" thk o/a; mts by eliptical hole near one end and groove along other end	Protects data card N5815-370-1126	N17-T 350014- 0848	СТТ	151353	151353	н- 293	2	0	0	
H-294	SCREW, machine: slot drive; FH; steel, black oxide; #2-56; approx 1/2" lg o/a; 3/16" lg threaded portion; 3/16" diam x 0.043" thk head	Holds H-293 to 0-295 N5815-370-0168	N17-T 350013- 0712	СТТ	151354	151354	H-294	2	1	2	
H-295	CLAMP: cable; steel; nickel pl; one mtg hole; approx 11/16" lg x 5/16" wd x 9/32" h o/a, 0.065" thk material; accom 1/4" diam cable	Clamps 0-290 to A-124 N5815-412-8579	N17-T 350012- 0231		111343	111343	н- 295	1	0	0	

TABLE 8-4.	COMBINED	PARTS AI	ND SPARE	PARTS	LIST

		PARTS		,						SI	ARE	PA	RT
SYMBOL	NAME OF PART	FUNCTION	JAN OR	STANDARD		NUFAC- IRERS		ALL SYMBOL	0 A	EQ	UIP.	ST	oc
DESIG.	AND DESCRIPTION	AND FEDERAL STOCK NUMBER	NAVY TYPE DESIGNATION	NAVY STOCK NUMBER	CODE	DESIG.	TELETYPE PART NO.	DESIGNATIONS INVOLVED	TOTAL NO.	BOX	QUAN.	BOX	
н- 296	Same as H-192	Holds 0-287 and H-295 to A-124											
H-297	Same as H-127	Holds 0-287 and H-295 to A-124											
H-298	BUTTON, plug: grey bakelite, dull satin finish; for 33/64" diam hole; 11/16" diam x 7/16" lg o/a	Plug for unused keytop guide holes of 0-295		For Reference Only		153116	153116	Н-298, Н-2614	5	0	0		
H-299	NUT, lock: speed nut type; steel, parkerized; for 3/16" diam stud; 0.012" thk material; 41/64" lg x 3/8" wd	Lock nut for H-298 N5310-637-3649		N43-N 081013- 1610		ERMAI D C159- 012-1	117608	н-299, н-2615	5	0	0		
н-308	WASHER, flat: nickel silver; round, approv 1/4" OD x 5/32" ID x 0.016" thk o/a	Spacer and retainer for 0-333 N5815-314-1847		N17-T 350013- 0192	СТТ	73008	73008	н-308	1	0	0		
1-309	Same as H-202	Holds 0-316 to 0-315							•				
I-310	Same as H-127	Holds 0-316 to 0-315											
н-311	WASHER, flat: steel, nickel pl; round, approx 1/4" OD x 1/8" ID x 0.028" thk o/a	Holds 0-316 to 0-315 N5310-286-2874		N17-T 350005- 0722	СТТ	2034	2034	H-311, H-386, H-388 H-397, H-408, H-422 H-1173, H-1176		1	2		
I-312	Same as H-246	Retains 0-315 on H-013							1				
H-313	SCREW, pilot: slot drive; FH; steel, nickel pl; 1/4"-32; approx 1-1/8" lg o/a; 11/32" lg threaded portion; 3/32" thk x 7/16" diam head; 11/32" diam x 1/16" lg shoulder slot between shoulder and threaded portion, slot near end of 9/16" lg x 3/16" diam pilot	Pivot for 0-310 and 0.315 N5815-370-0755		N17-T 350014- 0421	СТТ	151057	151057	н-313	1	1	1		
H-315	WASHER, flat: steel, nickel pl; round, approx 1/2" OD x 1/4" ID x 0.030" thk o/a	Friction washer for 0-310 N5815-412-8625		N17-T 350012- 0310	СТТ	111767	111767	н-315	1	0,	0		
I-316	NUT, hexagon: steel, nickel pl; 1/4"-32; 3/32" thk o/a; approx 3/8" across flats	Holds H-313 to A-132 N5310-391-9588		N17-T 350005- 0740	СТТ	3595	3595	н-316	1	1	2		
I-319	SCREW, pilot: slot drive; Fil H; steel, nickel pl; #4-40; approx 5/8" lg o/a; 7/16" lg threaded portion; head 1/16" thk x 5/32" diam; pilot at end of threaded portion	Pivot for 0-318 N5815-370-0745		N17-T 350014- 0411	СТТ	151041	151041	н- 319	1	1	1		
1-320	Same as H-130	Locks H-319 to A-132											

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H-321	SCREW, machine: slot drive; flat Fil H; SS; #2-56; 1/4" lg; threaded portion 3/16" lg; head 1/16" thk x 5/32" diam	Holds 0-319 to 0-318 N5305-307-3443	N43-S 016452- 0930	СТТ	128002	128002	Н-321, Н-1918	4	0	0	
Н-322	WASHER, lock; steel; round, approx 3/16" OD x 1/8" ID x 0.010" thk o/a; shake-proof type, straight internal teeth	Holds 0-319 to 0-318 N5310-392-0020		CA- XO	1202	90791	H-322, H-414, H-1919	5	1	3	
H-323	Same as H-149	Holds 0-319 to 0-318							<u> </u>		
H-324	STUD: steel, nickel pl; approx 7/16" lg x 3/16" across flats o/a; shank end thd #4-40 3/16" lg; c/o head, hex shoulder, slot and shank	Stop for 0-315 N5815-370-0752	N17-T 350014- 0418	СТТ	151054	151054	Н-324	1	1	1	
н-325	Same as H-127	Locks H-324 to A-132									
Н-326	STUD: steel, nickel pl; approx 9/16" lg x 1/4" diam o/a; one end threaded 9/32" lg w/#6-40 thd; drive slot across threaded end, eccentric shank w/body slot other end	Pivot for 0-320 N5815-370-0913	N17-T 350014- 0581	СТТ	151213	151213	н-326	1	0	0	
н- 327	Same as H-105	Holds H-326 to A-132									
н- 328	Same as H-112	Holds H-326 to A-132									
н- 329	Same as H-206	Retains 0-320 on H-326									
H-330	RING, retainer: steel, nickel pl; "C" shape w/two int cutouts; approx $5/32$ " OD x $1/16$ " ID x 0.010" thk o/a	Retains 0-321 to 0-320 and 0-322 on 0-321 N5815-370-0250	N17-T 350013 0797	WAL	DES 5133- 6	119647	н- 330	3	1	2	
Н-331	POST, spring; steel, nickel pl; approx 5/8" lg x 1/8" diam o/a; mts by threaded end; groove near slotted end	Anchor for 0-325 N5815-126-8059	N17-T 350003- 0233	СТТ	92668	92668	н- 331	1	1	1	
н-332	POST, spring: steel, nickel pl; approx 3/8' lg x 1/8" diam o/a; mts by approx 3/32" lg threaded shank; c/o slotted head, neck, body, slot and shank	Anchor for 0-329 N5815-370-0101	N17-T 350013- 0621	СТТ	86720	86720	н-332	1	1	1	
н- 333	STUD: steel, nickel pl; approx 2-1/16" lg x 3/8" across flats o/a; one end threaded 1/4" lg w/#6-40 thd; shank w/slot one end, two slots around body	Pivot for 0-324 N5815-370-1235	N17-T 350014- 0979	CTT	151837	151837	н-333	1	1	1	
H-334	Same as H-105	Holds 0-323 and H-333 to A-132									
н-335	Same as H-112	Holds 0-323 and H-333 to A-132									
н-336	Same as H-246	Retains 0-324 on H-333									
н-337	RING, retainer: steel, nickel pi; "C" shape w/2 int cutouts; approx 1/4" OD x 3/32" ID x 0.015" thk o/a	Retains 0-327 on H-333 N5815-370-0252	N17-T 350013- 0799	WAI	DES 5133- 12	119649	H-337, H-379, H-391, H-394, H-427, H-1381, H-1388, H-1679, H-1715, H-1911, H-2110, H-2122	17	1	5	

		PARTS													
SYMBOL DESIG.	NAME OF PART AND DESCRIPTION	FUNCTION AND FEDERAL STOCK NUMBER	JAN OR NAVY TYPE DESIGNATION	STANDARD NAVY STOCK NUMBER		NUFAC- IRERS DESIG.	TELETYPE PART NO.	ALL SYMBOL DESIGNATIONS INVOLVED	TOTAL NO.	EQ	UIP.	STO	OCK		
н-338	STUD: steel, nickel pl; approx 1-7/8" lg o/a; one end threaded 3/16" lg w/#10-32 thd; hex head 5/16" across flats, shank on one end, body on other end w/groove near ea end, slot between body and cap	Pivot for 0-328 N5815-370-0911		N17-T 350014- 0579		151207	151207	н-338	1	0					
H-339	Same as H-222	Holds H-338 to A-132													
H-340	Same as H-232	Holds H-338 to A-132													
н- 341	Same as H-246	Retains 0-328 on H-338													
н- 342	STUD: steel, nickel pl; approx 15/16" lg x 5/16" diam o/a; pilot end threaded 3/16" lg w/3/16"-40 thd; drive slot across pilot, short shank w/slot other end, shoulder tapered toward short shank	Mounts 0-332 N5815-370-0744		N17-T 350014- 0410	СТТ	151039	151039	н-342	1	1	1				
н- 343	NUT, hexagon: steel, nickel pl; 3/16" -40; 3/32" thk o/a; approx 5/16" across flats	Holds H-342 to 0-328 N5815-369-9949		N17-T 350012- 0487	СТТ	5475	5475	н- 343	1	1	1				
H- 344	Same as H-206	Retains 0-332 on H-342													
H- 345	STUD: steel, nickel pl; approx 11/16" lg x 1/4" across flats o/2; one end threaded 5/32" lg w/#6-40 thd, slot in threaded shank 2 under cuts and slot in plain end	Shaft for 0-333 N5815-370-1746		N17-T 350015- 0618	СТТ	151018	151018	н-345	1	0	0				
H- 346	Same as H-105	Holds H-345 to 0-328													
H- 347	Same as H-112	Holds H-345 to 0-328													
H- 348	Same as H-158	Retains 0-333 and 0-334 on H-345													
H-349	Same as H-119	Holds 0-335 to A-105				, i									
H-350	Same as H-105	Holds 0-335 to A-105													
н-351	SCREW, machine: slot drive; FH; steel, nickel pl; #6-40; approx 13/16" lg o/a; 3/4" lg threaded portion; head 7/32" diam x 1/16" thk	Holds A-132 to A-105 N5815-370-0214		N17-T 350013- 0759	СТТ	151642		H-351, H-611, H-1831, H-1858	7	1	9				
H-352	Same as H-105	Holds A-132 to A-105													

н- 353	SCREW, machine: slot or wrench drive; Hex H; steel, nickel pl; #4-40; approx 1/4" lg o/a; 3/16" lg threaded portion; head 1/16" thk x 3/16" across flats	Holds 0-337 to 0-338 N5815-370-1091		N17-T 350014- 0785	СТТ	151 7 37	151737	H- 1838	, H-1828, , H-1851, , H-1880,	18	1	6	-
H-354	Same as H-127	Holds 0-337 to 0-338											
н-355	Same as H-204	Holds 0-337 to 0-338											
н-356	Same as H-353	Holds 0-349 to 0-337											
H-357	Same as H-127	Holds 0-349 to 0-337											
Н-358	WASHER, extruded: steel, nickel pl; round approx 1" OD x $5/16$ " ID x $5/32$ " thk o/a; extruded $3/32$ " x $5/8$ " diam	Spaces and retains 0-352 on 0-349 N5815-370-0758		N17-T 350014- 0424	СТТ	151063	151063	н- 358		1	0	0	
Н-359	Same as H-222	Holds cam clutch mechanism on 0-347											
н- 360	Same as H-232	Holds cam clutch mechanism on 0-347											
H-361	Same as H-117	Holds 0-346 to A-132											
н- 362	Same as H-105	Holds 0-346 to A-132											
н-377	STUD: steel, nickel pl; approx 1/2" lg x 3/16" across flats o/a; one end threaded 3/16" lg incl slot, w/#4-40 thd; slot near end of plain shank	Bearing for 0-367 N5815-370-0756		N17-T 350014- 0422	СТТ	151059	151059	н-377,	н-392	2	1	1	
Н-378	NUT, hexagon: steel, nickel pl; #4-40; 3/64" thk o/a; approx 3/16" across flats	Holds H-377 to A-136 N5815-448-1815		N17-T 350009- 0576	СТТ	86742	86742	н-378,	H-393	2	1	1	
н-379	Same as H-337	Retains 0-367 on H-377											
н-380	SCREW, shoulder: slot drive; FH; steel, nickel pl; #2-56; approx 1/4" lg o/a; 1/8" lg threaded portion; head 1/16" lg x 3/16" diam; shoulder 1/32" lg x 1/8" diam; slot between shoulder and threaded portion	Pivot for and holds 0-369 to 0-367 N5815-370-0804		N17-T 350014- 0471	СТТ	151145	151145	H-380		1	1	1	
H-381	NUT, shoulder: steel, nickel pl; #2-56; approx 3/16" lg o/a; shoulder 3/16" across flats x 1/16" thk, 1/8" diam body	Holds H-380 to 0-367 and stop for 0-367 N5310-303-4354		N17-T 350017- 0609	СТТ	151899	151899	H-381		1	0	0	
н-382	SCREW, pilot: slot drive; FH; steel, nickel pl; #4-40; approx 3/8" lg o/a; 3/32" lg threaded portion; 1/16" thk x 3/16" diam head; 3/32" diam x 7/32" lg pilot	Stop for 0-367 on units with Teletype serial numbers 2601 and lower N5815-448-3723	·	N17-T 350012- 0544	СТТ	6801	6801	н- 382		1	0	0	
Н- 383	Same as H-127	Locks H-382 to A-137											
H-384	S ame as H-202	Holds A-137 to A-136											
н-385	Same as H-127	Holds A-137 to A-136											
н- 386	Same as H-311	Holds A-137 to A-136						,					
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8 Section H-387—H-405

TABLE 8-4. COMBINED PARTS AND SPARE PARTS LIST

	PARTS										PARE	PA	\R1
YMBOL	NAME OF PART	FUNCTION	JAN OR	STANDARD NAVY	TL	NUFAC- RERS	TELETYPE	ALL SYMBOL	S S	EQ	UIP.	ST	oc
DESIG.	AND DESCRIPTION	AND FEDERAL STOCK NUMBER	NAVY TYPE DESIGNATION	STOCK NUMBER	CODE	DESIG.	PART NO.	DESIGNATIONS INVOLVED	TOTAL NO.	X O	OUAN.	XO8	
H-387	STUD: steel, nickel pl; approx $1/2$ " $\lg x$ $1/4$ " diam o/a, shoulder $1/16$ " $\lg x$ $1/8$ " diam; shank end #4-40 thd $3/16$ " \lg ; body has slot near end, head has 2 cutouts	Bearing for 0-371 N5815-370-0791		N17-T 350014- 0457	СТТ	151098	151098	н-387	1	1	1		
H-388	Same as H-311	Holds H-387 to A-136											
1-389	Same as H-127	Holds H-387 to A-136											
1-390	Same as H-130	Holds H-387 to A-136											
I-391	Same as H-337	Retains 0-371 on H-387								ŀ			
1-392	Same as H-377	Bearing for 0-373											
1-393	Same as H-378	Holds A-392 to A-136											
1-394	Same as H-337	Retains 0-373 on H-392											
1-395	Same as H-202	Holds 0-375 to A-136											
I-396	Same as H-127	Holds 0-375 to A-136											
1-397	Same as H-311	Holds 0-375 to A-136								l			
H- 398	STUD: steel, nickel pl; approx 3/8" lg x 3/16" across flats o/a; one end threaded 1/8" lg w/#4-40 thd; plain shank has one slot	Bearing for H-400 N5815-370-0754		N17-T 350014- 0420	СТТ	151056	151056	н-398, н-402	2	1	1		
н- 399	Same as H-127	Locks H-398 to A-136											
H- 4 00	WASHER, flat: steel; round, approx 3/16" OD x 3/32" ID x 0.042" thk o/a	Roller for 0-376 N5310-391-9706		N17-T 350012- 0655	СТТ	73844	73844	H-400, H-404	2	1	1		
H-401	Same as H-206	Retains H-400 on H-398											
i- 402	Same as H-398	Bearing for H-404											
H-403	Same as H-127	Locks H-402 to A-136					ı						
I-404	Same as H-400	Roller for 0-378											
1	Same as H-206	Retains H-404 on H-402											

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H - 406	STUD: steel, nickel pl; approx $19/32$ " lg x $3/16$ " across flats o/a ; one end threaded $9/64$ " lg w/#4-40 thd, plain shank w/slot and neck other end	Pivot for 0-380 and holds 0-375 to A-136 N5815-332-8849		N17-T 350016- 0111	CTT	152814	152814	H-406	1	. 0	0	
H-407	Same as H-127	Holds 0-375 to A-136										
H-408	Same as H-311	Holds 0-375 to A-136										
H-409	Same as H-158	Retains 0-380 on H-406								1		
H-410	Same as H-158	Retains 0-382 on 0-380										
H-411	SCREW, machine: slot drive; Fil H; steel, nickel pl; #2-56; approx 1/4" lg o/a; 3/16" lg threaded portion; head 1/16" thk x 1/8" diam	Holds 0-386 to A-138 N5815-370-0028		N17-T 350013- 0155	СТТ	1164	1164	Н-411	2	1	2	
H-412	WASHER, lock: steel; round, approx 5/32" OD x 3/32" ID x 0.015" thk o/a; split-ring type	Holds 0-386 to A-138 N5815-370-0096		N17-T 350013- 0614	СТТ	93118	93118	H-412	2	1	2	
H-413	SCREW, machine: slot drive; Fil H; steel, nickel pl; #2-56; 11/32" lg o/a; 9/32" lg threaded portion; head 3/16" diam x 1/16" thk	Holds 0-383 to A-140 N5815-412-4494		N17-T 350001- 0122	СТТ	125126	125126	H-413	1	0	0	
H-414	Same as H-322	Holds 0-383 to A-140										
H-415	SCREW, machine: slot drive; FH; steel, nickel pl; #4-40; approx 3/8" lg o/a; 5/16" lg threaded portion; head 3/16" diam x 1/16" thk	Holds A-138 and A-140 to A-141 N5305-207-7352		N43-S 068788- 0430	СТТ	151685	151685	H-415, H-1418, H-1665, H-1745, H-1793, H-1805, H-1890, H-1924, H-1955, H-2065	16	1	3	
H-416	Same as H-127	Holds A-138 and A-140 to A-141										
H-417	SCREW, machine: slot drive; FH; steel, nickel pl; #4-40; approx 15/16" lg o/a; threaded portion 7/8" lg; head 3/16" diam x 1/16" thk	Holds A-138, A-139 and A-140 to A-141 N5815-370-1164		N17-T 350014- 0887	СТΊ	151731	151731	Н-417, Н-2027	3	1	1	
H-418	Same as H-127	Holds A-138, A-139 and A-140 to A-141										
H-419	Same as H-130	Holds A-139 to H-417										
H-420	Same as H-202	Holds K-101 to A-136										
H- 421	Same as H-127	Holds K-101 to A-136										
H-422	Same as H-311	Holds K-101 to A-136										
H-426	STUD: steel, nickel pl; approx 1-3/32" $\lg x$ 3/16" across flats; one end threaded 3/32" $\lg w/\#4-40$ thd; plain shank other end	Stop for selector levers 0-404 through 0-410 N5815-370-0753		N17-T 350014- 0419	СТІ	151055	151055	H-426	1	1	1	

TABLE 8-4. COMBINED PARTS AND	SPARE PARTS LIS	T
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		PARTS	1	·	MA:	NUFAC-		1			PARE	·	
SYMBOL	NAME OF PART AND	FUNCTION AND	JAN OR NAVY TYPE	STANDARD NAVY	TU	IRERS	TELETYPE	ALL SYMBOL DESIGNATIONS	S S	EQ	UIP.	STO	оск
DESIG.	DESCRIPTION	FEDERAL STOCK NUMBER	DESIGNATION	STOCK NUMBER	CODE	DESIG.	PART NO.	INVOLVED	TOTAL NO.	õ	OUAN.	ě	NAU
H-427	Same as H-337	Retains 0-389 to 0-388								Ī			
H-428	Same as H-202	Holds 0-388 to A-136											
I-429	Same as H-127	Holds 0-388 to A-136											
I-430	Same as H-183	Holds 0-388 to A-136											
H-431	STUD: steel, nickel pl; approx 1-5/32" lg x $1/4$ " across flats o/a; shank end threaded $3/32$ " lg w/#6-40 thd; body has 2 grooves and one slot	Pivot for 0-399 N5815-370-0757		N17-T 350014- 0423	СТТ	151062	151062	н-431	1	1	1		
H-432	Same as H-246	Retains 0-399 on H-431											
н-433	Same as H-206	Retains 0-403 to 0-402											
H-434	Same as H-202	Holds 0-402 to A-136											
I-435	Same as H-127	Holds 0-402 to A-136					4						
H-436	WASHER, flat: steel, nickel pl; round, approx 1/4" OD x 1/8" ID x 0.042" thk o/a	Holds 0-402 to A-136 N5310-391-9570		N17-T 350005- 0732	стт	2597	2597	H-436	2	0	0		
I - 437	SCREW, machine: slot drive; FH; steel, nickel pl; #6-40; approx 7/16" lg o/a; 9/32" lg threaded portion incl slot; 1/16" thk x 1/4" diam head; 5/32" diam 1/8" lg shoulder	Holds A-136 to A-132 N5815-370-1184		N17-T 350014- 0907	СТТ	151832	151832	н-437	2	0	0		
H-438	WASHER, lock: steel; round, approx 9/32" OD x 5/32" ID x 1/32" thk o/a; split-ring type	Holds A-136 to A-132 N5310-391-9608		N17-T 350013- 0124	СТТ	3646	3646	H-438, H-800, H-1124, H-1169	6	1	2		
H-439	WASHER, flat: steel, nickel pl; round, approx 5/16" OD x 5/32" ID x 0.035" thk o/a	Holds A-136 to A-132 N5310-391-9560		N17-T 350005- 0725	СТТ	2247	2247	н-439	2	0	0		
I-440	SCREW, adjustment: steel, nickel pl	Adjusts position of K-101 N5815-370-0819		N17-T 350014- 0486	СТТ	151169	151169	H-440	1	1	1		
I-441	Same as H-130	Locks H-440 to A-136											
I-442	Same as H-127	Locks H- 426 to A-136											
I- 443	Same as H-212	Holds A-140 to A-138											
												,	

н-501	WASHER, extruded: steel; round, approx 13/16" OD x 13/32" ID x 1/16" thk o/a; extruded 0.016" x 1/2" OD	Pull washer for 0-504 N5310-324-9944	N43- W 099500- 0057	СТТ	122211	122211	н-501	2	0	0	14
н-502	WASHER, flat: steel, cad pl; round, approx 1-5/32" OD x 3/4" ID x 1/32" thk o/a	Support for 0-503 N5310-637-4428	N43- W 007527- 0801	СТТ	122208	122208	н-502	1	0	0	
н-503	SCREW, machine: slot drive; Fil H; steel, cad pl; #8-32; approx 4-3/4" lg o/a; 1-3/4" lg threaded portion; head 3/16" thk x 1/4" diam	Holds 0-502 to 0-501 N5305-206-3307	N43-S 068828- 1575	СТТ	122229	122229	н-503	2	0	0	
H-505	NUT, hexagon: steel, nickel pl; #8-32; 5/32" thk; 5/16" across flats	Holds 0-502 to 0-501 N5815-412-5401	N17-T 350005- 0565	СТТ	2263	2263	н-505	2	0	0	
н-506	SCREW, machine: slot drive; Fil H; steel, nickel pl; #6-40; approx 3/4" lg o/a; 5/8" lg threaded portion; head 1/8" thk x 7/32" diam	Holds B-502 to E-501 N5815-370-0035	N17-T 350013- 0165	СТТ	1179	1179	H-506, H-1126, H-1130, H-1182	9	0	0	
H-507	Same as H-105	Holds B-502 to E-501									
н-508	STRAP, mounting: motor mtg strap; steel, cad pl; approx 1-3/16" lg x 31/32" h x 9/32" wd o/a, 0.063" thk material; irregularly curved and formed, body hole at top, elongated slot at bottom extrusion near body hole	Clamps synchronous or series motor to A-501 or A-609 N5815-370-1749	N17-T 350015- 0621	СТТ	151620	151620	н-508	4	0	0	
H-509	SCREW, machine: slot drive; RH; steel, cad pl; #6-32; approx 27/32" lg o/a; 3/4" lg threaded portion; 3/32" thk x 1/4" diam head	Clamps H-508 straps N5305-208-0330	N43-S 065725- 8405	СТТ	151621	151621	н-509	2	0	0	
н-510	NUT, square: steel, nickel pl; #6-32; $7/64$ " thk; $5/16$ " sq	Locks H-508 straps in clamping position N5815-370-0201	N17-T 350013- 0746	СТТ	151622	151622	H-510	2	0	0	
Н-511	CLAMP: relay; steel; nickel pl; approx 2-17/32" lg x 1/4" wd x 1-5/16" h o/a, 0.065" thk material; accom 1-7/8" lg x 1-11/32" h relay; #4-40 tapped hole in ea formed end	Clamps K-501 to A-502 N5815-370-1373	N17-T 350015- 0225	СТТ	151925	151925	н-511	1	0	0	
H-512	Same as H-192	Holds H-511 to A-502									
H-513	WASHER, lock: steel; round, approx 7/32" OD x 1/8" ID x 1/32" thk o/a; split-ring type	Holds H-511 to A-502 N5310-194-1025	N17-T 350005- 0754	СТТ	3640	3640	H-513, H-516, H-519, H-522, H-1174, H-1177	12	0	0	
H-514	CLAMP: capacitor; steel; nickel pl; approx 1-3/8" h x 3/4" wd x 1-1/16" lg o/a, 0.065" thk material; accom 1-1/32" diam capacitor; two #4-40 tapped holes one end	Clamps C-501 to A-502 N5910-309-0399	N16-C 301927- 0918	СТТ	151922	151922	H-514	1	0	0	

TABLE 8-4.	COMBINED	PARTS	AND	SPARE	PARTS	LIST

		PARTS									SF	PARE	PA	RTS
YMBOL DESIG.	NAME OF PART AND DESCRIPTION	FUNCTION AND FEDERAL STOCK NUMBER	JAN OR NAVY TYPE DESIGNATION	STANDARD NAVY STOCK NUMBER		NUFAC- IRERS DESIG.	TELETYPE PART NO.	DES	L SYMBOL IGNATIONS IVOLVED	TOTAL NO.	BOX	OUAN.	STO XO BO	OCK
-515	Same as H-192	Holds H-514 to A-502												
-516	Same as H-513	Holds H-514 to A-502												
-517	NUT, hexagon: steel, nickel pl; #4-40; 3/8'' thk; 1/4" wd across flats	Spaces S-501 from A-502 N5815-370-1237		N17-T 350014- 0981	СТТ	151926	151926	н-517		2	0	0		
-518	SCREW, machine: slot drive; FH; steel, nickel pl; #4-40; approx 7/16" lg o/a; threaded portion 3/8" lg, head 3/16" diam x 1/16" thk	Holds S-501 to H-517 N5815-370-1168		N17-T 350014- 0891	СТТ	151686	151686	H-1462,	H-1413, H-1470, H-1921,	12	1	2		
H-519	Şame as H-513	Holds S-501 to H-517												
H-520	Same as H-183	Holds S-501 to H-517												
I-521	Same as H-192	Holds H-517 to A-502												
I-522	Same as H-513	Holds H-517 to A-502												
I-523	Same as H-119	Holds A-502 to A-501												
1-524	Same as H-105	Holds A-502 to A-501												
i - 525	Same as H-168	Holds A-502 to A-501]											
I-601	ROD: steel, cad pl; approx 3-1/2" lg x 3/16" diam o/a; both ends threaded w/ #10-32 thd 1/2" lg	Holds 0-602 and 0-603 to 0-601 N5815-370-0255		N17-T 350013- 0802	СТТ	122202	122202	H-601		2	0	0		
H-602	NUT, hexagon; brass; #10-32; approx 3/16" thk; 5/16" wd across flats	Locks 0-602 to 0-601 N5815-369-8692		N17-T 350001- 0166	СТТ	125009	125009	H-602		2	0	0		
H- 604	SCREW, machine: slot drive; FH; iron, nickel pl; #6-32; approx 3/8" lg o/a; 5/16" lg threaded portion; head 1/16" thk x 1/4" diam	Holds C-601 to 0-603 N5815-369-8657		N17-T 350001- 012 8	СТТ	125143	125143	H-604		1	0	0		
H-605	WASHER, lock: steel, cad pl; round, approx 9/32" OD x 5/32" ID x 0.019" thk o/a; straight internal teeth	Holds C-601 to 0-603		Shop Manu- facture	СТТ	150674	150674	н-605		1	0	0		
I- 606	NUT, hexagon: steel, nickel pl: #6-32;3/32" thk o/a; approx 1/4" across flats	Holds C-601 to 0-603 N5815-369-9368		N17-T 350005- 0966	СТТ	6345	6345	н-606,	H-662	2	0	0		

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н-607	HOLDER, contact brush: brass body w/bakelite insulator; two grooves around shank end, wd slot at other end; approx 1-1/4" lg x 11/16" OD x 11/32" ID o/a; mts by body; 2 slots in line through ID	Holder for E-607 or E-608 N5977-324-2354		N17-H 071773- 1911	СТТ	122206	122206	H-607	2		0	0		
н-608	SCREW, set: slot drive; headless; steel; #8-32; 1/4" lg; cup point	Set screws for H-607		Shop Manu- facture	CTT	153102	153102	H-608	2		0	0		
н-609	Same as H-265	Ground screw								l				I
н-610	Same as H-105	Locks H-609 to 0-603												١
H-611	Same as H-351	Holds A-601 to 0-603												l
H-612	Same as H-105	Holds A-601 to 0-603												١
H-613	Same as H-104	Holds A-602 to A-601												
H-614	Same as H-105	Holds A-602 to A-601												l
H-615	Same as H-168	Holds A-602 to A-601												ı
н-616	Same as H-117	Holds A-603 and terminal of E-604 to A-601												
H-617	Same as H-105	Holds A-603 and terminal of E-604 to A-601												
H-618	Same as H-113	Holds A-603 to A-601								l				
H-619	Same as H-105	Holds A-603 to A-601												ı
н-620	Same fas H-104	Holds 0-605 and A-602 to A-601												
H-621	Same as H-105	Holds 0-605 and A-602 to A-601												
H-622	Same as H-168	Holds 0-605 and A-602 to A-601												
н-623	SCREW, machine: slot drive; FH; steel, nickel pl; #6-40; approx 5/16" lg o/a; 1/4" lg threaded portion; head 1/16" thk x 7/32" diam	Holds A-601 and A-605 to 0-603 N5815-370-0924		N17-T 350014- 0592	CTT	151661	151661	H-623, H-625, H-678, H-1682	4		0	0		
H-624	Same as H-105	Holds A-601 and A-605 to 0-603												
H-625	Same as H-623	Holds A-605 to 0-603												
H-626	Same as H-105	Holds A-605 to 0-603											Ì	Ì
H-627	Same as H-117	Holds A-606 and terminal from E-605 to A-605												

		PARTS								SP	ARE	PARTS
YMBOL	NAME OF PART	FUNCTION	JAN OR	STANDARD	TU	NUFAC-	TELETYPE	ALL SYMBOL	S S S	EQU		STOCK
DESIG.	AND DESCRIPTION	AND FEDERAL STOCK NUMBER	NAVY TYPE DESIGNATION	STOCK NUMBER	GODE	DESIG.	PART NO.	DESIGNATIONS INVOLVED	TOTAL NO.	вох	OCAN.	BOX OUAN
I-628	Same as H-105	Holds A-606 and terminal from E-605 to A-605										
1-629	Same as H-113	Holds A-606 to A-605										
I-63 0	Same as H-105	Holds A-606 to A-605										
I-631	Same as H-104	Holds A-604 to A-605										
I-632	Same as H-105	Holds A-604 to A-605		İ								
I-633	Same as H-168	Holds A-604 to A-605										
H-634	Same as H- 104	Holds 0-607 and A-604 to A-605		2								
I-635	Same as H- 105	Holds 0-607 and A-604 to A-605										
H-636	Same as H-168	Holds 0-607 and A-604 to A-605										
1-637	Same as H-265	Holds A-607 to 0-603									Ì	
1-638	Same as H-105	Holds A-607 to 0-603										
I-6 3 9	Same as H-202	Holds A-608 to A-609									l	
1-640	SHIELD, cable: 1/4" braided copper shielding w/brass nipple soldered on one end and 4-1/2" strap soldered to other end; approx 3-11/16" lg x 1/2" OD x 3/8" ID o/a; mts by 1/2"-24 threaded nipple	Shields conductors of series motor N5815-370-1409		N17-T 350015- 0261	СТТ	152067	152067	H-640	1	0	0	
H-641	Same as H-202	Holds A-611 to A-610										
-642	Same as H-127	Holds A-611 to A-610										
I-643	Same as H-202	Locks A-612 to A-610										
- 644	Same as H-127	Locks A-612 to A-610										
-655	Same as H-192	Holds E-611 to 0-613										
- 656	Same as H-127	Holds E-611 to 0-613										
-657	Same as H-202	Holds E-611 to A-619										

Holds E-611 to A-619

H-658

Same as H-127

8-57

н- 659	CLAMP: steel; nickel pl; approx 3/8" lg x 1/4" wd x 5/32" h o/a, 0.035" thk material; mts by body hole	Clamps E-611 to A-619 N5815-370-0709	N17-T 350014- 0375	стт	150857	150857	н-659	1	0	0		
H-660	Same as H- 168	Holds E-612 to A-618						1				
H-661	Same as H- 105	Holds E-612 to A-618						١				
H-662	Same as H-606	Holds E-612 to A-618						1				-
H-663	Same as H-270	Holds A-617 to B-603										
H-664	Same as H-105	Holds A-617 to B-603						ı		İ		
н-665	Same as H-168	Holds A-617 to B-603						١				1
н- 666	SCREW, machine: slot drive; FH; steel, nickel pl; #4-40; approx 1-1/8" lg o/a; 27/32" lg threaded portion; 3/32" lg x 3/16" diam head; 1/32" thk x 1/4" diam shoulder	Adjusts tension of and holds 0-613 to A-617 'N5815-370-0712	N17-T 350014- 0378	СТТ	150865	150865	H~666	1	0	0		-
н-667	Same as H-202	Holds H-669 to A-617										
H-668	Same as H-127	Holds H-669 to A-617									1	
н-669	CLAMP: steel; nickel pl; approx 1/2" lg x 5/16" wd x 3/32" h o/a,_0.050" thk material; formed at one end, round at other, mts by large and small body hole	Friction clamp for H-666 N5815-370-0713	N17-T 350014- 0379	СТТ	150866	150866	н-669	1	1	1		
H-670	Same as H- <u>2</u> 70	Holds A-618 to B-603										ı
H-671	POST, spacing: steel, nickel pl; hex body, threaded shank one end, tapped hole in other end; approx 1-1/8" lg x 1/4" across flats o/a; mts by #6-40 threaded shank	Mounting post for A-620 and holds A-618 to B-603 N5815-370-0715	N17-T 350014- 0381	СТТ	150872	150872	Н-671, Н-674	2	0	0	}	
н-672	Same as H-105	Holds A-618 to B-603						Į				į
н-673	Same as H- 168	Holds A-618 to B-603										
H-674	Same as H-671	Mounting post for A-620 and holds A-619 to B-603	a ^r					l				
H-675	Same as H-270	Holds A-619 to B-603						ı				İ
H-676	Same as H- 105	Holds A-619 to B-603										
H-677	Same as H-168	Holds A-619 to B-603				İ		l				
н-678	Same as H-623	Holds 0-614 to B-603										
н-679	Same as H- 105	Holds 0-614 to B-603						١				
H-680	Same as H-168	Holds 0-614 to B-603										
H-681	Same as H-270	Holds B-603 to E-601										
L			 							\perp		

		PARTS								SF	PARE	PA	RT:
SYMBOL	NAME OF PART	FUNCTION AND	JAN OR NAVY TYPE	STANDARD NAVY	TL	NUFAC- IRERS	TELETYPE	ALL SYMBOL DESIGNATIONS	TOTAL NO. PER EQUIP.		UIP.		OCK
DESIG.	DESCRIPTION	FEDERAL STOCK NUMBER	DESIGNATION	STOCK NUMBER	CODE	DESIG.	PART NO.	INVOLVED	PER	MOX	OCAN.	BOX	7
I-682	Same as H-105	Holds B-603 to E-601											ł
I-683	SCREW, machine: slot drive; FH; iron, nickel pl; #4-40; approx 1/4" lg o/a; 7/32" lg threaded portion; head 1/32" thk x 7/32" diam	Holds A-620 to H-671 and H-674 N5305-392-0438		N43-S 068889- 0420	СТТ	98712	98712	н-683	2	0	0		
I-684	Same as H-183	Holds E-611 to 0-613		:									1
H-685	SCREW, self-tapping: slot drive; RH; aluminum; #4-40; 9/32" lg; blunt unslotted point; 3/32" thk x 1/4" diam head	Series Motor nameplate screws		**	СТТ	153103	153103	н-685	2	0	0		
I-686	GROMMET: neoprene; fits 1/4" diam hole; 5/32" hole diam x 1/8" wd groove, 17/64" wd x 11/32" diam o/a	Grommet for series motor leads		**	СТТ	153101	153101	н-686	1	0	0		
	SYMBO	L DESIGNATIONS H-701 TO	H-703 INCL US	ED ON CY-	870	UG CAB	NET ONL	Y					
I-701	SCREW, machine: wrench drive; Hex H; steel, nickel pl; 3/8"-16; approx 2-9/32" lg o/a; threaded portion 1-1/4" lg; head 9/32" thk x 9/16" across flats	Holds A-701 to CY-870/UG N5815-370-0728		N17-T 350014- 0394	СТТ	86433	86433	н-701	4	0	0		
I-702	WASHER, lock: steel; round, approx 11/16' OD x 3/8" ID x 0.070" thk o/a; split-ring type	Holds A-701 to CY-870/UG N5310-391-9576		N17-T 350005- 0735	СТТ	2920	2920	н-702	4	0	0		
703	NUT, hexagon: iron, nickel pl; 3/8"-16; 1/4" thk; 5/8" across flats	Holds A-701 to CY-870/UG N5815-448-2112		N17-T 350012- 0693	стт	103612	103612	н-703	4	0	0		
	SYMBO	L DESIGNATIONS H-751 TO I	I I-821 INCL US	ED ON CY-	870/	UG AND	CY-871/U	I G CABINETS					
I-751	WINDOW: homalite; one beveled edge; approx 11-5/16" lg x 3-3/8" h x 3/16" thk o/a; mts by edges slid in place	Copy window for cabinet dome N5815-370-1071		N17-T 350014- 0762	стт	151510	151510	н-751	1	0	0		
- 752	SCREW, machine: slot drive; Hex H; steel, nickel pl; #6-40; approx 11/32" lg o/a; 1/4" lg threaded portion; head 3/32" thk x 1/4" across flats	Holds XE-751 and XE-752 to cabinet dome N5815-448-4007		N17-T 350002- 0257	СТТ	80444	80444	н-752, н-818	3	0	0		
- 753	Same as H-168	Holds XE-751 and XE-752 to cabinet dome											

Holds XE-751 and XE-752 to cabinet dome

H-754

Same as H-105

н-755	Same as H-112	Holds XE-751 and XE-752 to cabinet dome									
H-756	Same as H-110	Holds TB-751 through TB-753 to cabinet and mounting post for A-754									
н-757	SCREW, machine: slot drive; Fil H; steel, nickel pl; #6-40; approx 5/16" lg o/a; 1/4" lg threaded portion; head 1/16" thk x 1/4" diam	Holds A-754 to H-756 N5815-448-4088	N17-T 350006- 0753	СТТ	8543	8543	н-757		3 0	0	
H-758	Same as H-105	Holds A-754 to H-756									
н-759	STUD: steel, nickel pl; approx 1-11/16" lg x 1/2" across flats o/a; one end threaded 13/16" lg, other end threaded 5/16" lg w/1/4"-32 thd	Holds side cradle rail and H-766 to A-752 and A-753 or A-702 N5815-370-1074	N17-T 350014- 0765	СТТ	151521	151521	н-759		1 0	0	
H-760	Same as H-125	Holds H-759 to A-752 and A-753 or A-702									
H-761	NUT, hexagon: steel, nickel pl; 1/4"-32; 3/32" thk o/a; approx 7/16" across flats	Holds H-759 to A-752 and A-753 or A-702 N5815-369-8686	N17-T 350001- 0159	СТТ	125218	125218	н-761, н-768	1	3 0	0	
н-762	SCREW, machine: slot drive; RH; iron, nickel pl; #10-32; approx 1/2" lg o/a; 3/8" lg threaded portion; head 1/8" thk x 11/32" diam	Holds A-752 and A-753 or A-702 to cabinet N5815-448-4054	N17-T 350006- 0703	СТТ	8333	8333	н-762	1	3 0	0	
н-763	WASHER, lock: steel; round, approx 11/32" OD x 3/16" ID x 1/16" thk o/a; split-ring type	Holds A-752 and A-753 or A-702 to cabinet N5310-391-9605	N17-T 350005- 0753	СТТ	3639	3639	H-763, H-788, H-791, H-794, H-810, H-813, H-817		3 0	0	
H-764	NUT, hexagon: iron, nickel pl; #10-32; approx 1/8" thk o/a; 3/8" across flats	Holds A-752 and A-753 or A-702 to cabinet N5815-369-8691	N17-T 350001- 0165	СТТ	125231	125231	H-764, H-792, H-811, H-814	1	9 0	0	
H-765	WASHER, flat: steel, nickel pl; round, approx 1/2" OD x 1/4" ID x 1/32" thk o/a	Spaces side cradle rail from A-752 and A-753 or A-702 N5815-314-1031	N17-T 350007- 0582	СТТ	71858	71858	н-765	2	0	0	
н-766	GUIDE, cable: steel; $9/16$ " diam cable; approx 1-3/4" lg x 1" wd x 0.065" thk o/a; one elongated mtg hole	Front guide for W-1101 N5815-370-1179	N17-T 350014- 0902	СТТ	151955	151955	н-766	2	0	0	
H-767	Same as H-125	Holds W-1101 and side cradle rail to H-759									
н-768	Same as H-761	Holds W-1101 and side cradle rail to H-759									
			**Low Fai if requir from ES NavShip	red re	equisitio erencing						

TABLE 8-4. COMBINED PARTS AND SPARE PARTS LIST

		PARTS								SF	ARE	PA	RTS
YMBOL DESIG.	NAME OF PART AND DESCRIPTION	FUNCTION AND FEDERAL STOCK NUMBER	JAN OR NAVY TYPE DESIGNATION	STANDARD NAVY STOCK NUMBER		NUFAC- IRERS DESIG.	TELETYPE PART NO.	ALL SYMBOL DESIGNATIONS INVOLVED	TOTAL NO.	EQ XO8	UIP.	ST X	OCK NOCK
I-769	SCREW, shoulder: slot drive; FH; steel, nickel pl; #10-32; approx 7/16" lg o/a; 3/16" lg threaded portion; head 3/32" thk x 3/8" diam; shoulder 3/32" thk x 1/4" diam	Pivot for and holds 0-753 to cabinet N5815-370-1078		N17-T 350014- 0769		151534	151534		1	0	0		
I- 77 0	GUIDE, cable: steel; 9/16" diam cable; approx 4" lg x 1-1/2" h x 0.065" thk o/a; two mtg holes in curved end	Rear guide for W-1101 N5815-370-1173		*N17-T 350014- 0896	СТТ	151956	151956	н-770	2	0	0		
I-771	Same as H-168	Provides securing surface for H-756											
I-772	NUT, lock: push on type; steel, nickel pl; 0.016" thk; approx 1" lg x 13/16" wd; hex hole, curved surface	Holds I-753 to cabinet dome N5310-637-4064				erman D C1529	151558 -1	H-772	3	0	0		
I-783 .**	SCREW, shoulder: slot drive; FH; steel, nickel pl; #6-40; approx 5/8" lg o/a; threaded portion 7/32" lg; head 1/8" lg x 9/32" diam; shoulder 1/4" lg x 3/16" diam; slot between head and shoulders	Holds 0-766 and 0-767 to cabinet dome N5815-448-1587		N17-T 350007- 0862	СТТ	74011	74011	н-783	2	0	0		
I-784	WASHER, flat: steel, nickel pl; round, approx $11/32$ " OD x $3/16$ " 1D x $1/32$ " thk o/a	Pressure support for 0-767 N5815-369-9504		N17-T 350006- 0840	СТТ	34432	34432	н-784	2	0	0		
I- 7 85	WASHER, lock: steel, nickel pl; round, approx 5/16 OD x 5/32" ID x 0.018" thk o/a; shake proof type, straight external teeth	Holds 0-766 to cabinet dome N5815-370-1194		N17-T 350014- 0922	СТТ	107116	107116	н-785	2	0	0		
- 786	Same as H-112	Holds 0-766 to cabinet dome											
i-787	SCREW, machine: slot drive; FH; SS; #10-32; approx 5/8" lg o/a; threaded portion 9/32" lg; head 3/32" lg x 3/8" diam; shoulder 1/8" lg x 1/4" diam	Pivot for and holds 0-768 to cabinet dome lid N5815-370-1564		N17-T 350015- 0423	СТТ	100184	100184	Н-787, Н-790, Н-809	3	0	0		
I- 7 88	Same as H-763	Holds 0-768 to cabinet dome lid											
I-789	NUT, hexagon: steel, nickel pl; #10-32; 3/8" thk; 1/2" wd across flats; 5/16" thk round part	Holds 0-768 to cabinet dome lid N5815-370-0729		N17-T 350014- 0395	СТТ	102751	102751	H-789	1	0	0		
I- 7 90	Same as H-787	Pivot for and holds 0-768 and 0-769 to A-758											

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н-791	Same as H-763	Holds 0-768 to A-758									
н-792	Same as H-764	Holds 0-768 to A-758									
н-793	SCREW, machine: slot or wrench drive; Hex H; steel, nickel pl; #10-32; approx 5/8" lg o/a; 1/2" lg threaded portion; head 1/8" thk x 5/16" across flats	Holds H-795 and T-751 to cabinet N5815-448-3719	N17-T 350012- 0644	СТТ	6745	6745	H-793, H-2067, H-2069	5	0	0	
H-794	Same as H-763	Holds H-795 and T-751 to cabinet									
н-795	CLAMP: cable clamp; steel; nickel pl; approx 1" lg x 1/2" wd x 11/32" h o/a, 0.032" thk meterial; accom 5/16" diam cable	Clamps W-751 to cabinet N5975-391-9643	*N17-T 350006- 0297	СТТ	8254	8254	н-795	1	0	0	
н-796	SCREW, machine: slot drive; Fil H; brass; #4-40; approx 5/16" lg o/a; 7/32" lg threaded portion; head 1/16" thk x 1/4" diam	Stop for E-758 N5815-448-3579	N17-T 350013- 0133	СТТ	1028	1028	н-796	1	0	0	
н-797	Same as H-105	Holds H-796 to A-759									
H-798	Same as H-212	Holds H-796 to A-759									
н-799	SCREW, machine: slot drive; Fil H; iron, nickel pl; #8-32; approx 1/2" lg o/a; 3/8" lg threaded portion; head 3/32" thk x 1/4" diam	Holds E-759 to A-759 N5815-448-1492	N17-T 350001- 0597	СТТ	55219	55219	н-799	1	0	0	
H-800	Same as H-438	Holds E-759 to A-759									
н-801	SCREW, machine: slot drive; Fil H; steel, nickel pl; #6-40; approx 1/2" lg o/a; 3/8" lg threaded portion; head 1/8" thk x 7/32" diam	Holds I-752 and 0-771 to cabinet N5815-448-3578	N17-T 350012- 0638	СТТ	1026	1026	н-801	1	0	0	
H-802	Same as H-105	Holds I-752 and O-771 to cabinet									
H-803	WASHER, flat: steel, nickel pl; round, approx 5/32" ID x 3/8" OD x 1/32" thk	Holds I-752 and O-771 cabinet N5310-392-2049	N17-T 350012- 0636	СТТ	125015	125015	H-803, H-1475, H-1912, H-2075, H-2080, H-2109, H-2142	11	1	2	
H-804	CLAMP: cable clamp; steel; cad pl; two screws employed; approx 1-15/16" lg x 1-1/4" h x 1-3/8" wd o/a; accom 9/16" diam cable; mts by 1/2" pipe thd and bond nut one end, curved 90°	Clamps power and line cables to Z-751 and Z-752 N5815-369-8934	N17-T 350003- 0368		LETON 73802	94660	H-804	2	0	0	
			occurs,	do n	ot reque		e part. If failure ment unless the item d.''				
							·				

		PARTS								SF	PARE	PA	RTS
YMBOL DESIG.	NAME OF PART AND DESCRIPTION	FUNCTION AND FEDERAL STOCK NUMBER	JÅN OR NAVY TYPE DESIGNATION	STANDARD NAVY STOCK NUMBER		NUFAC- IRERS DESIG.	TELETYPE PART, NO.	ALL SYMBOL DESIGNATIONS INVOLVED	TOTAL NO.	EQ XO8	UIP.	ST C	OCK N A D
I-805	SCREW, machine: slot drive; Fil H; steel, nickel pl; #8-32; approx 7/16" lg o/a; threaded portion 5/16" lg; head 17/64" diam x 1/8" thk	Holds Z-751 and Z-752 to cabinet N5815-369-8668	*	N17-T 350001- 0141		125170	125170	н-805	4	0		60	<u></u>
- 806	WASHER, lock: steel, nickel pl; round, approx 3/8" OD x 11/64" ID x 0.020" thk o/a; shake-proof type, straight external teeth	Holds Z-751 and Z-752 to cabinet		**	CA- XO	1108- 00	92527	н-806, н-1123	5	0	0		
- 807	NUT, hexagon: brass, nickel pl; #8-32; approx 1/8" thk o/a; 3/8" across flats	Holds Z-751 and Z-752 to cabinet N5815-448-1450		N17-T 350006- 0929	СТТ	49514	49514	Н-807, Н-1125	6	0	0		
- 808	SCREW, thumb: knurled thumb head; steel, nickel pl; #10-32; approx 1-11/16" lg o/a; 1-5/16" lg threaded portion; oval end; head 3/16" thk x 1/2" diam, shoulder 3/16" thk x 5/16" diam	Holds cross bar to cabinet N5815-370-0593		N17-T 350014- 0244	стт	151526	151526	н-808	2	0	0		
-809	Same as H-787	Pivet for and holds 0-775 to cabinet											
-810	Same as H-763	Holds 0-775 to cabinet											
811	Same as H-764	Holds 0-775 to cabinet											
- 812	SCREW, shoulder: slot drive; FH; steel, nickel pl; #10-32; approx 5/8" lg o/a; 11/32' lg threaded portion incl slot; head 3/32" thk x 1/2" diam; shoulder 3/16" lg x 1/4" diam	Pivot for and holds 0-775 and 0-776 to cabinet dome N5815-370-1568		N17-T 350015- 0427	СТТ	85529	85529	н-812	1	0	0		
- 813	Same as H-763	Holds 0-775 to cabinet dome		For									٠
-814	Same as H-764	Holds 0-775 to cabinet dome		For Replace-									
H-815	CLAMP: cable; nylon; approx 3/4" lg x 1/2" wd x 5/16" h o/a, 1/16" thk material; 13/64" diam mtg hole; accom 3/16" diam cable	Clamps cable from XI-751 to cabinet N5340-257-0039		ment Use N17-C 780767- 0838		mercial ics Co. CPC- 1953-3	121243	H-815, H-1412, H-1472	3	0	0		
-816	SCREW, machine: slot drive; Hex H; steel, nickel pl; #10-32; approx 1/2" lg o/a; 3/8" lg threaded portion; head 1/8" thk x 5/16" across flats	Holds H-815 to cabinet dome N5815-448-3726		N17-T 350012- 0646	СТТ	6810	6810	н-816	1	0	0		
-817	Same as H-763	Holds H-815 to cabinet dome		ĺ									
-818	Same as H-752	Holds XI-751 to cabinet dome							,				

		1						1							
H-819	Same as H-168	Holds XI-751 to cabinet dome									-				1
H-820	Same as H-105	Holds XI-751 to cabinet dome													
H-821	Same as H-112	Holds XI-751 to cabinet dome													
H-1101	Same as H-117	Holds 0-1101 to A-1101									١			1	
H-1102	Same as H-105	Holds 0-1101 to A-1101]
H-1103	Same as H-168	Holds 0-1101 to A-1101									ı				Ì
H-1104	Same as H-104	Holds J-1101 to 0-1101									ł				Ì
н- 1105	Same as H-105	Holds J-1101 to 0-1101									l		-		ļ
H-1106	Same as H-277	Holds J-1101 to 0-1101									l				
H-1107	STUD: steel, nickel pl; approx 1-31/32" lg x 1/4" across flats o/a; one end threaded 1/4" lg w/#6-40 thd, other end threaded 1/4" deep w/#6-40 thd	Spaces TB-1101 from 0-1101 N5815-370-1990		N17-T 350015- 0881	СТТ	152760	152760	H-1107,	H-1149		4	0	0		
H-1108	Same as H-105	Holds H-1107 to 0-1101													
H-1109	Same as H-112	Holds H-1107 to 0-1101									- [1
H-1110	Same as H-108	Terminal screw for TB-1101									١			١	
H-1111	Same as H-109	Holds H-1110 to TB-1101										.	. }	-	
H-1112	SCREW, machine: slot drive; FH; steel, nickel pl; #6-40; approx 11/16" lg o/a; 1/4" lg threaded portion; head 7/32" diam x 1/16" thk	Holds E-1101 and TB-1101 to H-1107 N5815-370-0946		N17-T 350014- 0614	CTT	150040	150040	H-1160, H-1783, H-1810, H-1854,	H-1116, H-1311, H-1795, H-1841, H-1870, H-1896,	A STATE OF THE STA	18	1.	2		
H-1113	Same as H-105	Holds E-1101 and TB-1101 to H-1107								ļ					
H-1114	Same as H-108	Terminal screw for TB-1102									١	.			
H-1115	Same as H-109	Holds H-1114 to TB-1102								-	1				
H-1116	Same as H-1112	Holds E-1103 and TB-1102 to H-1149										.		-	
H-1117	Same as H-105	Holds E-1103 and TB-1102 to H-1149													1.
H-1118	Same as H-168	Holds H-1107 to 0-1101	 								j				
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NAVSHIPS 91713

PARTS LISTS

Section **&** H-619—H-1118

		PARTS		·· · · · · · · · · · · · · · · · ·					····				D.A.	070
SYMBOL	NAME OF PART	FUNCTION	JAN OR	STANDARD		NUFAC-	TELETYPE	ALI	SYMBOL	AL NO.		UIP.)CK
DESIG.	AND DESCRIPTION	AND FEDERAL STOCK NUMBER	NAVY TYPE DESIGNATION	NAVY STOCK NUMBER	CODE	DESIG.	PART NO.		GNATIONS IVOLVED	TOTAL PER EQ	BOX	QUAN.	вох	OUAN
H- 1120	CLAMP: cable; nylon; approx 15/16" lg x 1/2" wd x 1/2" h o/a, 1/16" lg thk material 13/64" diam mtg hole; accom 3/8" cable	Clamps part of W-1101 to both ends of A-1101 N5340-598-0138		For Replace- ment Use N17-C 781108- 0951	Com	mercial ics Co CPC- 1953-6	121246	H-1120		2	0	0		
-1121	SCREW, machine: slot drive; Fil H; iron, nickel pl; #8-32; approx 5/8" lg o/a; 1/2" lg threaded portion; head 1/8" thk x1/4" diam	Holds H-1120 to A-1101 N5815-369-9202		N17-T 350005- 0130	СТТ	1157	1157	H-1121		2	0	0		
I-1122	WASHER, flat: steel, nickel pl; round, approx 3/8" OD x 5/32" ID x 1/16" thk o/a	Holds H-1120 to A-1101 N5815-412-8941		N17-T 350013- 0181	СТТ	44048	44048	н-1122,	H-1170	3	0	0		
- 1123	Same as H-806	Locks ground lead from W-1101 to A-1101												
I-1124	Same as H-438	Holds lead from W-1101 and H-1120 to A-1101												
- 1125	Same as H-807	Holds lead from W-1101 and H-1120 to A-1101												
- 1126	Same as H-506	Holds 0-1103 to A-1101												
- 1127	Same as H-105	Holds 0-1103 to A-1101												
- 1128	Same as H-168	Holds 0-1103 to A-1101]										
I-1129	WASHER, flat: steel, nickel pl; round, approx $1/4$ " OD x $5/32$ " ID x 0. 050" thk o/a	Holds 0-1103 to A-1101 N5815-412-7210		N17-T 350009- 0897	СТТ	90789		H-1129, H-1185	Н-1133,	8	0	0		
-1130	Same as H-506	Holds 0-1104 to A-1101												
-1131	Same as H-105	Holds 0-1104 to A-1101												
-1132	Same as H-168	Holds 0-1104 to A-1101												
- 1133	Same as H-1129	Holds 0-1104 to A-1101												
- 1134	Same as H-117	Holds 0-1105 to A-1101												
- 1135	Same as H-105	Holds 0-1105 to A-1101												
- 1136	Same as H-168	Holds 0-1105 to A-1101												

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н- 1137	Same as H-113	Holds K-1101 to A-1104											ŀ
Н-1138	Same as H-105	Holds K-1101 to A-1104											ı
н- 1139	Same as H-277	Holds K-1101 to A-1104											
H-1140	Same as H-113	Holds A-1104 to 0-1105											l
H-1141	Same as H-105	Holds A-1104 to 0-1105											1
H-1142	Same as H-277	Holds A-1104 to 0-1105											
H-1143	Same as H-113	Holds A-1105 to A-1104											
H-1144	Same as H-105	Holds A-1105 to A-1104											
H-1145	Same as H-168	Holds A-1105 to A-1104											İ
Н- 1146	CLAMP: cable; steel; cad pl; 2 bolts employed; approx 1-3/16" lg x 1-3/16" wd x 1-1/8" h o/a; holds from 1/4" to 1/2" cable	Clamps W-1101, keyboard power supply breakout to 0-1105 and automatic typer power supply breakout to 0-1101		N17-C 781534- 0216	СНИ	112	151801	Н-1146	2	0	0		
H-1147	WASHER, extruded: steel, nickel pl; round, approx 1-1/4" OD x 7/8" ID x 3/32" thk o/ α extruded 3/64" h x 1-1/16" OD	N5975-644-3091 Clamp washer for H-1146 N5815-370-0846	·	N17-T 350014- 0514	стт	115508	115508	Н- 1147	2	0	0		
H-1148	STUD: steel, nickel pl; approx 3-9/16" lg x 3/8" diam o/a; one end threaded 7/16" lg w/1/4"-20 thd; drive slot across other end	Holds power distribution panel to cabinet N5815-370-0190		N17-T 350013- 0735	СТТ	151437	151437	Н-1148	2	0	0		
H-1149	Same as H-1107	Spaces TB-1102 and 0-1105											
H-1150	Same as H-105	Holds H-1149 to 0-1105											
H-1151	Same as H-112	Holds H-1149 to 0-1105											ı
Н-1152	Same as H-168	Holds H-1149 to 0-1105											
н- 1155	STUD: steel, nickel pl; 1-3/8" lg x $1/4$ " across flats o/a; shank end threaded $1/4$ " lg w/#6-40 thd, other end threaded $1/4$ " d w/#6-40 thd	Spaces TB-1104 and A-1108 N5815-370-2006		N17-T 350015- 0897	СТТ	152761	152761	Н-1155	2	0	0		
H-1156	Same as H-105	Holds H-1155 to A-1108											
н-1157	Same as H-112	Holds H-1155 to A-1108		l .								.	
н-1158	Same as H-108	Terminal screw for TB- 1104		·									
н- 1159	Same as H-109	Holds H-1158 to TB-1104											
н-1160	Same as H-1112	Holds TB-1104 to H-1155								1			
н-1161	Same as H-105	Holds TB-1104 to H-1155		,									

TABLE 8-4. COMBINED PARTS AND SPARE PARTS LIST

		PARTS								SP	ARE	PA	RTS
YMBOL DESIG.	NAME OF PART AND DESCRIPTION	FUNCTION AND FEDERAL STOCK NUMBER	JAN OR NAVY TYPE DESIGNATION	STANDARD NAVY STOCK		NUFAC- IRERS DESIG.	TELETYPE PART NO.	ALL SYMBOL DESIGNATIONS INVOLVED	TOTAL NO.	EQ XOS	O UAN.	×	OCK
- 1162	SCREW, machine: slot drive; Fil H; steel, nickel pl; #6-40; approx 1-9/16" lg o/a; 1/2" lg threaded portion; head 1/8" thk x 7/32" diam	Holds R-1101 to A-1108 N5815-448-1696		N17-T 350008- 0718		80854	80854	H-1162	1	0	0 01	08	na ·
- 1163	Same as H-168	Holds R-1101 to A-1108											
- 1164	Same as H-105	Holds R-1101 to A-1108		,									
- 1165	Same as H-112	Holds R-1101 to A-1108											
- 1166	WASHER, spring: steel, nickel pl; round, approx 3/4" OD x 3/8" ID x 0.010" thk o/a; dished to 9/64"	Applies pressure to L-1101 and L-1102 N5310-637-4368		N43 - W 007520- 5275		3502- 20	121125	H-1166	2	0	0		
-1167	NUT, hexagon: steel, nickel pl; 5/16"-32; approx 1/8" thk; 7/16" across flats	Holds 0-1112 to A-1108 N5310-199-6954		N17-T 350012- 0484	стт	2201	2201	H-1167	2	0	0		
- 1168	SCREW, machine: slot drive; Fil H; steel, nickel pl; #8-32; approx 9/16" lg o/a; 7/16" lg threaded portion; head 1/8" thk x 1/4" diam	Holds E-1110 to A-1109 N5815-448-3600		N17-T 350013- 0144	стт	1093	1093	H-1168	1	0	0		
- 1169	Same as H-438	Holds E-1110 to A-1109											
1170	Same as H-1122	Holds E-1110 to A-1109											
- 1171	WASHER, flat; steel, nickel pl; round, approx 5/16" OD x 3/16" ID x 0.058" thk o/a	Spaces E-1110 and A-1109 N5815-314-1836		N17-T 350012- 0991	стт	125390	125390	H-1171	1	0	0	-	
- 1172	STUD: steel, nickel pl; approx 1-3/8" lg x 1/4" across flats o/a; body end threaded 1/4" lg w/#4-40 thd, shank end threaded 3/8" lg w/#4-40 thd	Mounting shaft for S-1104 and S-1105 N5815-370-0192		N17-T 350013- 0737	стт	151440	151440	н- 1172	2	0	0		
- 1173	Same as H-311	Holds H-1172 to A-1109											
1174	Same as H-513	Holds H-1172 to A-1109											
1175	Same as H-212	Holds H-1172 to A-1109											
1176	Same as H-311	Holds S-1104, S-1105 and 0-1118 on H-1172											
1177	Same as H-513	Holds S-1104, S-1105 and 0-1118 on H-1172											

H- 1178	Same as H-212	Holds S-1104, S-1105 and 0-1118 on H-1172										
н- 1179	Same as H-265	Holds A-1109 to A-1108										
н- 1180	Same as H-105	Holds A-1109 to A-1108										
н- 1181	Same as H-168	Holds A-1109 to A-1108										
H-1182	Same as H-506	Holds A-1108 to A-1101										
н- 1183	Same as H-105	Holds A-1108 to A-1101										
н- 1184	Same as H-168	Holds A-1108 to A-1101										
H- 1185	Same as H-1129	Holds A-1108 to A-1101										
H-1301	STUD: steel, nickel pl; approx 15/16" lg x 1/4" diam o/a; one end threaded 7/32" lg w/#6-40 thd; drive slot and body slot other end, shoulder between body and shank	Pivot for 0-1302 and 0-1306, and holds A-1302 to A-1301 or A-1314 N5815-370-0948	N17-T 350014- 0616	СТТ	150064	150064	Н-1301		1	1	1	
н- 1302	Same as H-112	Locks H-1301 to A-1301 or A-1314										
H- 1303	Same as H-158	Retains 0-1302 and 0-1306 on H-1301		-								
H-1304	Same as H-119	Holds A-1302 to A-1301 or A-1314										
H- 1305	Same as H-105	Holds A-1302 to A-1301 or A-1314										
н- 1306	Same as H-168	Holds A-1302 to A-1301 or A-1314										
н- 1307	Same as H-158	Retains 0-1314 and 0-1312 on A-1301 or A-1314										
H- 1308	Same as H-202	Holds 9-1315 to A-1303										
H- 1309	Same as H-127	Holds 0-1315 to A-1303										
H-1310	Same as H-183	Holds 0-1315 to A-1303										
H-1311	Same as H-1112	Holds A-1303, H-1312 and symbols 0-1316 through 0-1319 to A-1301 (If so equipped. See H-1326)	r									
H-1312	WASHER, flat: steel, nickel pl; round, apprex 15/32" OD x 1/8" ID x 0.042" thk	Spacer for and guides 0-1317 on A-1359 N5815-370-0199	N17-T 350013- 0744	стт	151610	151610	Н-1312, І	H-1328	3	1	2	
н- 1313	Same as H-105	Holds A-1303, H-1312 and symbols 0-1316 through 0-1319 to A-1301 or A-1314			,	٠						

TABLE 8-4. COMBINED PARTS AND SPARE PARTS LIST	TABLE	8-4.	COMBINED	PARTS	AND	SPARE	PARTS LIST
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- 1	· 	PARTS			M A -	NUFAC-		1	-		ARE	_	
SYMBOL	NAME OF PART AND	FUNCTION AND	JAN OR NAVY TYPE	STANDARD NAVY	TL	RERS	TELETYPE	ALL SYMBOL	N S	EQ	UIP.	ST	ОСК
DESIG.	DESCRIPTION	FEDERAL STOCK NUMBER	DESIGNATION	STOCK NUMBER	CODE	DESIG.	PART NO.	DESIGNATIONS INVOLVED	TOTAL NO.	š	OUAN.	ŏ	2
I- 1314	Same as H-112	Holds A-1303, H-1312 and symbols 0-1316 through 0-1319 to A-1301 or A-1314			۰								
- 1315	SCREW, shoulder: slot drive; FH; steel, nickel pl; #6-40; approx 5/8" lg o/a; 9/32" lg threaded portion; head 15/32" diam x 0.047" thk; shoulder 1/16" lg x 3/16" diam; body 3/16" lg x 1/8" diam	Shoulder bearing for 0-1320 and mounts 0-1321 and 0-1322 (If so equipped. See H-1327) N5815-370-0476		N17-T 350014- 0127	CTT	150063	150063	н-1315	1	1	1		
I- 1316	Same as H-105	Holds lower roller parts to A-1301 or A-1314											
I-1317	Same as H-112	Holds lower roller parts to A-1301 or A-1314											
I- 1318	Same as H-158	Retains A-1304 on A-1301 or A-1314						,					
- 1319	Same as H-265	Holds 0-1324 to 0-1323	·										
- 1320	Same as H-105	Holds 0-1324 to 0-1323											
- 1321	Same as H-246	Retains 0-1323 on A-1301 or A-1314											
- 1322	Same as H-246	Retains 0-1323 on 0-1326	,										
- 1323	Same as H-168	Holds H-1315 to A-1301						4					
I- 1324	Same as H-105	Locks H-1301 to A-1301 or A-1314											
I-1325	WASHER, cup: clock spring steel; round, approx 1/4" OD x 5/32" ID x 1/16" thk o/a; 0.006" thk material; cupped on 1/8" rad	Takes up play between 0-1306 and 0-1302 N5815-412-7558	~	N17-T 350010- 0533	CTT	94674	94674	н- 1325	1	0	0		
I - 1326	SCREW, machine: slot drive; Hex H; steel, nickel pl; #6-40; 11/16" lg o/a; threaded portion 5/8" lg; head 1/4" across flats x 1/16" thk	Holds A-1303, H-1312 and symbols 0-1316 through 0-1319 to A-1314 (If so equipped. See H-1311) N5815-309-2807		N17-T 350017- 0664	СТТ	153839	153839	H-1326, H-1327, H-1480	4	0	0		
I - 1327	Same as H-1326	Holds lower roller parts to A-1314 (If so equipped. See H-1315)											
I- 1 32 8	Same as H-1312	Spacer for and guides 0-1320 on A-1359	i										

H-1333 WASHEP, lock: steet, nickel pi; round approx 3/16" OD x7/64" ID x 0.020" this; holds 0-1350 to A-1300 N530-524-3413 H-1334 Same as H-1333 Holds 0-1358 to A-1308 Holds A-1305 to 0-1340 Holds A-1305 to 0-1340 Holds A-1305 to 0-1340 Holds A-1305 to 0-1340 Holds A-1305 to 0-1340 Holds A-1305 to 0-1340 Holds A-1305 to 0-1340 Holds A-1305 to 0-1340 Holds A-1305 to 0-1340 Holds A-1305 to 0-1340 Holds A-1305 to 0-1340 Holds A-1305 to 0-1340 Holds A-1308 Same as H-265 Holds A-1306 to 0-1349 Holds A-1306 to 0-1349 Holds A-1306 to 0-1349 Holds A-1306 to 0-1349 Holds A-1306 to 0-1349 Holds A-1306 to 0-1349 Holds A-1306 to 0-1350 to A-1307 N5315-412-5733 N5315-41	н-1329	WASHER, flat: steel, nickel pl; round, approx 1/8" ID x 1/4" OD x 1/32" thk o/a	Holds 0-1324 to 0-1323 (If so equipped) N5815-285-8091		N17-T 350006- 0300	СТТ	8330	8330	H-1554, H-1775,	H-1529, H-1762, H-1778, H-1785, H-1812	10	1	4	
H-1335 Same as H-126	н-1333	approx $3/16$ " OD x $7/64$ " ID x 0.020" thk;				СТТ	153819	153819	н-1333,	H-1334	3	0	0	
H-1336 Same as H-127 H-1337 Same as H-265 H-1338 Same as H-265 H-1338 Same as H-105 H-1338 Same as H-105 H-1340 to A-1307 and A-1308 H-1339 Same as H-202 H-1340 Same as H-127 H-1341 ScREW, machine: slot drive: FH; steel, nickle pi; 43-48; approx 5/16" kg o/a; 1/4" kg threaded portion; head 1/16" thk x 5/32" H-1341 Same as H-127 H-1343 Same as H-127 H-1343 Same as H-127 H-1344 Same as H-127 H-1345 Same as H-127 H-1346 Holds 0-1357 to A-1307 H-1347 Same as H-127 H-1348 Same as H-126 H-1349 Same as H-126 H-1340 Same as H-126 H-1340 Same as H-126 H-1341 Same as H-126 H-1343 Same as H-126 H-1345 Same as H-126 H-1346 Same as H-127 H-1348 Same as H-127 H-1349 Same as H-127 H-1349 Same as H-127 H-1340 Same as H-127 H-1340 Same as H-127 H-1341 Same as H-127 H-1342 Same as H-127 H-1343 Same as H-127 H-1345 Same as H-127 H-1346 Same as H-127 H-1347 Same as H-127 H-1348 Same as H-127 H-1349 Same as H-127 H-1349 Same as H-127 H-1349 Same as H-127 H-1349 Same as H-127 H-1349 Same as H-127 H-1340 Same as H-128 H-1351 Same as H-128 H-1351 Same as H-128 H-1353 Same as H-127 H-1353 Same as H-127 H-1353 Same as H-127 H-1353 Same as H-127 H-1353 Same as H-128 H-1353 Same as H-131	Н- 1334	Same as H-1333	Holds 0-1358 to A-1308											
H-1337 Same as H-265 H-1338 Same as H-105 H-1338 Same as H-202 H-1340 Same as H-27 H-1341 SCREW, machine: slot drive: FH; steel, and ight threaded portion; head 1/16" this x 5/32" diam H-1348 Same as H-127 H-1344 Same as H-127 H-1345 Same as H-127 H-1346 Same as H-127 H-1347 Same as H-126 H-1348 Same as H-127 H-1349 Same as H-126 H-1349 Same as H-126 H-1349 Same as H-126 H-1340 Same as H-126 H-1341 Same as H-126 H-1343 Same as H-126 H-1345 Same as H-126 H-1346 Same as H-127 H-1347 Same as H-126 H-1348 Same as H-127 H-1349 Same as H-127 H-1349 Same as H-127 H-1340 Same as H-127 H-1341 Same as H-127 H-1343 Same as H-127 H-1345 Same as H-127 H-1346 Same as H-127 H-1347 Same as H-127 H-1348 Same as H-127 H-1349 Same as H-127 H-1349 Same as H-127 H-1349 Same as H-126 H-1350 Same as H-126 H-1351 Same as H-126 H-1352 Same as H-127 H-1353 Same as H-127 H-1353 Same as H-127 H-1353 Same as H-127 H-1353 Same as H-127 H-1353 Same as H-127 H-1353 Same as H-127 H-1353 Same as H-131 H-1353 Same as H-131 H-1353 Same as H-131 H-1354 Same as H-127 H-1355 Same as H-127 H-1355 Same as H-127 H-1356 Same as H-127 H-1357 Same as H-128 H-1358 Same as H-131 H-1359 Same as H-130	н- 1335	Same as H-126	Holds A-1305 to 0-1340											
H-1338 Same as H-105	H-1336	Same as H-127	Holds A-1305 to 0-1340											
H-1338 Same as H-202 Holds A-1306 to 0-1349 H-1340 Same as H-127 Holds A-1306 to 0-1349 H-1341 SCREW, machine: slot drive; FH; steel, nickel pl; s3-48; approx \$/16" ig o/a; 1/4" ig threaded portion; head 1/16" thk x 5/32" diam H-1342 Same as H-126 Holds 0-1357 to A-1307 H-1343 Same as H-127 Holds 0-1357 to A-1307 H-1344 Same as H-131 Holds A-1307 to A-1389 H-1345 Same as H-105 Holds A-1307 to A-1389 H-1346 Same as H-127 Holds 0-1360 to A-1309 H-1347 Same as H-127 Holds 0-1360 to A-1309 H-1348 Same as H-127 Holds 0-1360 to A-1309 H-1349 Same as H-105 Holds A-1309 to A-1308 H-1349 Same as H-105 Holds A-1309 to A-1308 H-1350 Same as H-1341 Holds 0-1358 to A-1308 H-1351 Same as H-126 Holds 0-1359 to A-1308 H-1352 Same as H-127 Holds 0-1359 to A-1308 H-1353 Same as H-127 Holds 0-1359 to A-1308 H-1353 Same as H-127 Holds 0-1359 to A-1308 H-1353 Same as H-127 Holds 0-1359 to A-1308 H-1353 Same as H-127 Holds 0-1359 to A-1308 H-1353 Same as H-127 Holds 0-1359 to A-1308 H-1353 Same as H-127 Holds 0-1359 to A-1308 H-1353 Same as H-127 Holds 0-1359 to A-1308	н- 1337	Same as H-265												
H-1340 Same as H-127 H-1341 SCREW, machine: slot drive; FH; steel, nickel pl; 43-48; approx 5/16" lg o/a; 1/4" lg threaded portion; head 1/16" thk x 5/32" diam H-1342 Same as H-126 H-1343 Same as H-127 H-1344 Same as H-113 H-1345 Same as H-126 H-1346 Same as H-126 H-1347 Same as H-126 H-1348 Same as H-126 H-1349 Same as H-127 H-1349 Same as H-126 H-1340 Same as H-127 H-1340 Same as H-127 H-1341 Same as H-126 H-1342 Same as H-126 H-1343 Same as H-126 H-1344 Same as H-126 H-1345 Same as H-126 H-1346 Same as H-126 H-1347 Same as H-127 H-1348 Same as H-127 H-1349 Same as H-127 H-1349 Same as H-127 H-1340 Same as H-127 H-1341 Holds A-1309 to A-1308 H-1350 Same as H-1341 Holds A-1309 to A-1308 H-1351 Same as H-126 Holds A-1308 to A-1308 H-1352 Same as H-127 Holds A-1308 to A-1308 H-1353 Same as H-127 Holds A-1308 to A-1308 H-1353 Same as H-113 Holds A-1308 to A-1308 Holds A-1308 to A-1308 Holds A-1308 to A-1308	Н-1338	Same as H-105												
H-1341 SCREW, machine: slot drive; FH; steel, nickel pl; #3-48; approx 5/16" lg o/a; 1/4" lg threaded portion; head 1/16" thk x 5/32" diam H-1342 Same as H-126 Holds 0-1357 to A-1307 H-1343 Same as H-127 Holds 0-1357 to A-1307 H-1344 Same as H-113 Holds A-1307 to A-1389 H-1345 Same as H-105 Holds 0-1360 to A-1309 H-1347 Same as H-127 Holds 0-1360 to A-1309 H-1348 Same as H-127 Holds 0-1360 to A-1309 H-1349 Same as H-233 Holds A-1309 to A-1308 H-1350 Same as H-105 Holds 0-1358 to A-1308 H-1350 Same as H-126 Holds 0-1359 to A-1308 H-1351 Same as H-126 Holds 0-1359 to A-1308 H-1352 Same as H-127 Holds 0-1359 to A-1308 H-1353 Same as H-113 Holds A-1308 to A-1308 H-1353 Same as H-127 Holds 0-1359 to A-1308 H-1353 Same as H-127 Holds 0-1359 to A-1308	н- 1339	Same as H-202	Holds A-1306 to 0-1349						,					
nickel pl; #3-48; approx 5/16" lg o/a; 1/4" lg threaded portion; head 1/16" thk x 5/32" diam H-1342 Same as H-126 Holds 0-1357 to A-1307 H-1343 Same as H-127 Holds 0-1357 to A-1307 H-1344 Same as H-113 Holds A-1307 to A-1389 H-1345 Same as H-105 Holds 0-1360 to A-1309 H-1346 Same as H-127 Holds 0-1360 to A-1309 H-1347 Same as H-233 Holds A-1309 to A-1308 H-1348 Same as H-05 Holds 0-1360 to A-1308 H-1350 Same as H-126 Holds 0-1358 to A-1308 H-1351 Same as H-126 Holds 0-1359 to A-1308 H-1352 Same as H-127 Holds 0-1359 to A-1308 H-1353 Same as H-127 Holds 0-1359 to A-1308 H-1353 Same as H-127 Holds 0-1359 to A-1308 H-1353 Same as H-127 Holds 0-1359 to A-1308	н- 1340	Same as H-127	Holds A-1306 to 0-1349											
H-1343 Same as H-127 Holds 0-1357 to A-1307 H-1344 Same as H-113 Holds A-1307 to A-1389 H-1345 Same as H-105 Holds A-1307 to A-1389 H-1346 Same as H-126 Holds 0-1360 to A-1309 H-1347 Same as H-127 Holds 0-1360 to A-1309 H-1348 Same as H-233 Holds A-1309 to A-1308 H-1349 Same as H-105 Holds A-1309 to A-1308 H-1350 Same as H-1341 Holds 0-1358 to A-1308 H-1351 Same as H-126 Holds 0-1359 to A-1308 H-1352 Same as H-127 Holds '0-1359 to A-1308 H-1353 Same as H-113 Holds A-1308 to A-1308	H-1341	nickel pl; #3-48; approx $5/16$ " lg o/a; $1/4$ " lg threaded portion; head $1/16$ " thk x $5/32$ "			350006-	СТТ	42827	42827	н-1341,	H-1350	3	0	0	
H-1344 Same as H-113	H-1342	Same as H-126	Holds 0-1357 to A-1307											
H-1345 Same as H-105 Holds A-1307 to A-1389 H-1346 Same as H-126 Holds 0-1360 to A-1309 H-1347 Same as H-127 Holds 0-1360 to A-1309 H-1348 Same as H-233 Holds A-1309 to A-1308 H-1349 Same as H-105 Holds 0-1358 to A-1308 H-1350 Same as H-1341 Holds 0-1358 to A-1308 H-1351 Same as H-126 Holds 0-1359 to A-1308 H-1352 Same as H-127 Holds 0-1359 to A-1308 H-1353 Same as H-113 Holds A-1308 to A-1391	H-1343	Same as H-127	Holds 0-1357 to A-1307											
H-1346 Same as H-126 Holds 0-1360 to A-1309 H-1347 Same as H-127 Holds 0-1360 to A-1309 H-1348 Same as H-233 Holds A-1309 to A-1308 H-1349 Same as H-105 Holds A-1309 to A-1308 H-1350 Same as H-1341 Holds 0-1358 to A-1308 H-1351 Same as H-126 Holds 0-1359 to A-1308 H-1352 Same as H-127 Holds 0-1359 to A-1308 H-1353 Same as H-113 Holds A-1308 to A-1391	H- 1344	Same as H-113	Holds A-1307 to A-1389											
H-1347 Same as H-127 Holds 0-1360 to A-1309 H-1348 Same as H-233 Holds A-1309 to A-1308 H-1349 Same as H-105 Holds A-1308 to A-1308 H-1350 Same as H-1341 Holds 0-1358 to A-1308 H-1351 Same as H-126 Holds 0-1359 to A-1308 H-1352 Same as H-127 Holds '0-1359 to A-1308 H-1353 Same as H-113 Holds A-1308 to A-1391	H-1345	Same as H-105	Holds A-1307 to A-1389											
H-1348 Same as H-233	H-1346	Same as H-126	Holds 0-1360 to A-1309	·										
H-1349 Same as H-105 Holds A-1309 to A-1308 H-1350 Same as H-1341 Holds 0-1358 to A-1308 H-1351 Same as H-126 Holds 0-1359 to A-1308 H-1352 Same as H-127 Holds 0-1359 to A-1308 H-1353 Same as H-113 Holds A-1308 to A-1391	H-1347	Same as H-127	Holds 0-1360 to A-1309											
H-1350 Same as H-1341 Holds 0-1358 to A-1308 H-1351 Same as H-126 Holds 0-1359 to A-1308 H-1352 Same as H-127 Holds 0-1359 to A-1308 H-1353 Same as H-113 Holds A-1308 to A-1391	H-1348	Same as H-233	Holds A-1309 to A-1308		-									
H-1351 Same as H-126 Holds 0-1359 to A-1308 H-1352 Same as H-127 Holds '0-1359 to A-1308 H-1353 Same as H-113 Holds A-1308 to A-1391	H-1349	Same as H-105	Holds A-1309 to A-1308											
H-1352 Same as H-127 Holds 0-1359 to A-1308 H-1353 Same as H-113 Holds A-1308 to A-1391	H-1350	Same as H-1341	Holds 0-1358 to A-1308											
H-1353 Same as H-113 Holds A-1308 to A-1391	H-1351	Same as H-126	Holds 0-1359 to A-1308											
	н-1352	Same as H-127	Holds 0-1359 to A-1308											
H-1354 Same as H-105 Holds A-1308 to A-1391	H-1353	Same as H-113	Holds A-1308 to A-1391											
	H-1354	Same as H-105	Holds A-1308 to A-1391											

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		PARTS								SI	PARI	E PA	RTS
YMBOL DESIG.	NAME OF PART AND DESCRIPTION	FUNCTION AND FEDERAL STOCK NUMBER	JAN OR NAVY TYPE DESIGNATION	STANDARD NAVY STOCK NUMBER		DESIG.	TELETYPE PART NO.	ALL SYMBOL DESIGNATIONS INVOLVED	TOTAL NO.	EQ XOS	OUP.	ST XO	OCK V V
I- 1355	RING, retainer: steel, nickelpl; "C" shape w/2 int cutouts; approx 17/32" OD x 7/32" ID x 0.025" thk o/a	Retains symbols 0-1370 through 0-1373 on 0-1365 and 0-1365 on A-1310 N5340-205-4725		For re- placement use SNSN R002047-0	N42-	5133-	119653	H-1355, H-1390, H-1594, H-1660, H-1687, H-2039, H-2129	8	1	5		
I- 1356	Same as H-158	Retains A-1311 on 0-1364 and 0-1364 on 0-1365											
I- 1357	Same as H-158	Retains 0-1369 on A-1310											
I- 1358	Same as H-246	Retains A-1310 and 0-1377 on A-1312											
I- 1359	Same as H-192	Holds 0-1366 and 0-1367 to A-1310											
H-1360	Same as H-127	Holds 0-1366 and 0-1367 to A-1310											
I-1361	Same as H-158	Retains 0-1380 on A-1313											
I- 1362	Same as H-113	Holds 0-1381, 0-1382 and 0-1383 to A-1312					·						
I- 1363	Same as H-105	Holds 0-1381, 0-1382 and 0-1383 to A-1312											
I-1364	Same as H-127	Holds 0-1391 on 0-1384											
I- 1365	Same as H-130	Holds 0-1391 on 0-1384											
I-1368	Same as H-113	Holds A-1313 to A-1312								1			
н- 1369	Same as H-105	Holds A-1313 to A-1312								l			
н- 1370	SCREW, machine: slot drive; FH; steel, nickel pl; #6-40; approx 5/8" lg o/a; threaded portion 9/16" lg; head 7/32" diam x 1/16" thk	Holds A-1313 and A-1312 to A-1391 N5815-370-1197		N17-T 350014- 0925	CTT	151693	151693	H-1370, H-1856 H-1860	7	1	2		
H-1371	Same as H-105	Holds A-1313 and A-1312 to A-1391											
н- 1372	Same as H-168	Holds A-1313 and A-1312 to A-1391											
н- 1373	Same as H-158	Retains 0-1384 to A-1312					-						

н- 1374	SCREW, machine: slot drive; Fil H; steel, nickel pl; #4-40; approx 3/16" lg o/a; 1/8" lg threaded portion; head 1/16" thk x 5/32" diam	Locks 0-1385 on 0-1384 N5815-448-3649	N17-T 350013- 0120	СТТ	1293	1293	H-1374	2	1	1	
н-1375	Same as H-117	Holds 0-1386, 0-1387 and 0-1388 to A-1389									
н- 1376	Same as H-105	Holds 0-1386, 0-1387 and 0-1388 to A-1389									
н- 1377	Same as H-127	Holds 0-1390 on 0-1384								ŀ	
H- 1378	Same as H-130	Holds 0-1390 on 0-1384									
н- 1379	Same as H-270	Holds A-1312 to A-1391									
H- 1380	Same as H-105	Holds A-1312 to A-1391									
н- 1381	Same as H-337	Retains 0-1378 to A-1310									
н- 1387	Same as H-113	Holds A-1320 to A-1389									
н- 1388	Same as H-337	Retains 0-1400 to A-1318									
н- 1389	STUD: steel, nickel pl; approx 2-3/16" lg x 5/16" across flats o/a; one end threaded 5/32" deep w/#6-40 internal thd; shoulder near threaded end, slot near other end	Pivot for and mounts A-1318 and 0-1411 N5815-370-1544	N17-T 350015- 0403	СТТ	152648	152648	н- 1389	1	0	0	
н- 1390	Same as H-1355	Retains symbols 0-1403 through 0-1406 on 0-1401 and 0-1401 on A-1318									
н- 1391	Same as H-158	Retains A-1319 on 0-1402 and 0-1402 on 0-1401									
н- 1392	Same as H-158	Retains 0-1408 on A-1318									
н- 1393	Same as H-246	Retains A-1318 on H-1389									
H- 1394	Same as H-192	Holds 0-1409 and 0-1410 to A-1318									
н- 1395	Same as H-127	Holds 0-1409 and 0-1410 to A-1318									
н- 1396	Same as H-265	Holds H-1389 to A-1389									
H- 1397	Same as H-105	Holds H-1389 to A-1389				-					
H- 1398	Same as H-104	Holds symbols 0-1411 through 0-1414 to A-1389									
н- 1399	Same as H-105	Holds symbols 0-1411 through 0-1414 to A-1389									
H- 1400	Same as H-119	Holds A-1320 to A-1389									

		PARTS								CE	ADE	PART
SYMBOL	NAME OF PART	FUNCTION	JAN OR	STANDARD		NUFAC-		ALL SYMBOL	Š.		UIP.	STOC
DESIG.	AND DESCRIPTION	AND FEDERAL STOCK NUMBER	NAVY TYPE DESIGNATION	NAVY STOCK NUMBER	CODE	DESIG.	TELETYPE PART NO.	DESIGNATIONS INVOLVED	TOTAL NO.	NO8	OUAN.	вох
H- 1401	Same as H-105	Holds A-1320 to A-1389										
H- 140 2	Same as H-168	Prevents H-1401 from slip- ping through large mtg hole in A-1320										
H- 1405	Same as H-158	Retains 0-1415 on A-1320										
H-1406	SCREW, machine: slot drive; Fil H; steel, nickel pl; #2-56; approx 5/16" lg o/a; 1/4" lg threaded portion; head 1/8" diam x 0.068' thk	Holds 0-1422 to A-1321 N5815-369-9339		N17-T 350005- 0763	СТТ	5740	5740	н- 1406	3	1	3	-
H- 1407	SCREW; machine: slot drive; FH; steel, nickel pl; #3-48; approx 1/2" lg o/a; threaded portion 9/32" lg; head 1/16" thk x 5/32" diam	Holds 0-1423 to A-1321 N5815-370-0562		N17-T 350014- 0213	СТТ	150543	150543	H- 1407	7	l	2	
H- 1408	SCREW, machine: slot drive; Hex H; steel, nickel pl; #4-40; approx 27/32" lg o/a; 1/2" lg threaded portion; head 3/16" across flats x 3/32" thk	Renders 0-1456 inoperative N5815-412-7437		N17-T 350010- 0399	СТТ	93507	93507	H-1408	1	0	0	
H-1409	NUT, hexagon: steel, nickel pl; #4-40; approx $13/32$ " lg w/ $3/32$ " lg threaded portion; $3/16$ " across flats	Locks H-1408 in position N5815-370-0929		N17-T 350014- 0597	СТТ	151702	151702	H- 1409	1	0	0	
I- 1410	Same as H-192	Holds 0-1424 to 0-1423										*
I-1411	Same as H-127	Holds 0-1424 to 0-1423										
I-1412	Same as H-815	Clamp for W-1301										
H- 1413	Same as H-518	Holds H-1412 to 0-1423										
H- 1414	Same as H-127	Holds H-1412 to 0-1423										
H- 1415	WASHER, flat: steel; round, approx 3/8" OD x 1/8" ID x 0.046" thk o/a	Holds H-1412 to 0-1423 N5815-314-1856		N17-T 350013- 0209	сĠ	3514897	80530	H-1415	1	0	0	
I-1416	SCREW, machine: slot drive; FH; steel, nickel pl; #4-40; approx 1/2" lg o/a; 7/16" lg threaded portion; head 3/16" diam x 1/16' thk	Holds 0-1437 to A-1322 N5815-370-1259		N17-T 350015- 0104	СТТ	151687	151687	н- 1416	2	0	0	
I- 1417	Same as H-127	Holds 0-1437 to A-1322										
I - 1418	Same as H-415	Holds A-1322 to 0-1423										

H- 1419	Same as H-127	Holds A-1322 to 0-1423										- 1
н- 1420	STUD: steel, nickel pl; approx 11/16" lg x 1/4" across flats o/a; one end threaded 5/32" lg w/#6-40, thd, opposite end threaded 3/16" lg w/#4-40 thd	Holds Letters-Figures Shift Mechanism to 0-1423 (Used on Units with Teletype serial numbers 12969 and lower) N5815-370-1920	N17-T 350015- 0808	СТТ	152656	152656	Н- 1420	2	0	0		
H-1421	Same as H-183	Holds Letters-Figures Shift Mechanism to H-1420 or H-1444										
н- 1422	Same as H-127	Holds Letters-Figures Shift Mechanism to H-1420 or H-1444										
H-1423	Same as H-130	Holds Letters-Figures Shift Mechanism to H-1420 or H-1444										
H-1424	Same as H-192	Holds 0-1444 to A-1323 (Used on Units with Teletype serial numbers 12969 and lower)										
Н- 1425	Same as H-127	Holds 0-1444 to A-1323 (Used on units with Teletype serial numbers 12969 and lower)									-	
H-1429	Same as H-113	Holds A-1324 to A-1321										
H- 1430	Same as H-105	Holds A-1324 to A-1321										l
H- 1431	Same as H-113	Holds A-1325 to A-1321										
Н- 1432	Same as H-105	Holds A-1325 to A-1321										
н- 1433	HANDLE: steel, nickel pl; "V" formed strip; approx 8-1/2" lg x 1/2" wd x 3/8" h o/a; mts by body hole ea end; 2 tapped holes in one side	Handle for Function Box Mechanism N5815-370-0560	N17-T 350014- 0211	СТТ	150544	150544	H-1433, H-1436	2	0	0		
H- 1434	Same as H-119	Holds H-1433 to A-1324 and A-1325										
H- 1435	Same as H-105	Holds H-1433 to A-1324 and A-1325										
н- 1436	Same as H-1433	Handle for Function Box Mechanism										
H- 1437	Same as H-119	Holds H-1436 to A-1324										
H-1438	SCREW, machine: wrench drive; Hex H; SS; #6-40; approx 1/4" lg o/a; 3/16" lg threaded portion; head 1/16" thk x 1/4" across flats; "AC" stamped in head	Holds H-1436 to A-1325 and identifies Function Box arrangement N5815-370-1398	N17-T 350015- 0250	СТТ	151739 AC	151739AC	Н-1438	1	0	0		
				L								

		PARTS								SF	ARE	PA	RTS
SYMBOL	NAME OF PART AND	FUNCTION	JAN OR NAVY TYPE	STANDARD NAVY	TU	NUFAC- IRERS	TELETYPE	ALL SYMBOL DESIGNATIONS	OUS.	EQ	UIP.	ST	OCK
DESIG.	DESCRIPTION	AND FEDERAL STOCK NUMBER	DESIGNATION	STOCK NUMBER	CODE	DESIG.	PART NO.	INVOLVED	TOTAL NO.	Š	QUAN	BOX	OUAN.
н- 1439	Same as H-105	Holds H-1436 to A-1324 and A-1325			1			·					
H- 1440	Same as H-119	Holds A-1324 to A-1390											
H- 1441	Same as H-105	Holds A-1324 to A-1390		*									
H-1442	Same as H-119	Holds A-1325 to A-1392											
H- 1443	Same as H-105	Holds A-1325 to A-1392											
H-1444	STUD: steel, nickel pi; 43/64" lg x 1/4" across flats o/a; one end threaded 13/64" ig w/#6-40 thd, opposite end threaded 3/16" lg w/#4-40 thd	Holds Letters-Figures Shift Mechanism to 0-1423 (Used on Units with Teletype serial numbers 12970 and higher)			СТТ	153644	153644	Н-1444	2	0	0		
н- 1457	POST, spacing; SS; approx 7/8" lg x 3/16" across flats o/a; mts by 1/2" lg shank threaded 5/16" lg w/#4-40 thd	Holds one side of 0-1485 to A-1330 and spaces Rangefinder mechanism (Used on Units with Teletype serial numbers 11501 and higher)			СТТ	153184	153184	н- 1457	1	0	0		
H- 1458	SCREW, machine: slot drive; Fil H; brass; #4-40; 1/4" lg; threaded portion 3/16" lg; head 1/16" thk x 1/4" diam (Replaces CTT #1028)	Holds terminals from W-1302 to E-1308 and E-1309 N5815-369-8816		N17-T 350002- 0313	СТТ	81778	81778	н- 1458	4	0	0		
н- 1459	*	Holds terminals from W-1302 to E-1308 and E-1309 N5310-286-2875		N17-T 350005- 0731	СТТ	2438	2438	н-1459	4	0	0		
H- 1460	Same as H-176	Holds 0-1485 to A-1330											
H- 1461	Same as H-127	Holds 0-1485 to A-1330											
H- 1462	Same as H-518	Holds A-1331 and 0-1485 together											
H- 1463	Same as H-127	Holds A-1331 and 0-1485 together											
H-1464	Same as H-130	Holds A-1331 and 0-1485 together											
H-1465	Same as H-174	Holds 0-1485 to A-1329 or A-1330 (Used with H-1457 on Units with Teletype serial numbers 11501 and higher)											

H-1466 Same as H-127

PARTS LISTS

5/32" diam o/a; one end threaded 5/32" ig							١.
#6-40 full ig, 2 flats 1/2" ig w/csk hole near end; approx 21/32 ig o/a; mts by threaded portion H-1465 NUT, lock: elastic stop nut type; steel, cad pl; #6-40; 3/16" thk o/a; 5/16" across flats H-1470 Same as H-518 H-1471 Same as H-127 H-1472 Same as H-127 H-1473 Same as H-127 H-1474 Same as H-155 Clamp for W-1302 H-1475 Same as H-105 H-1476 Same as H-105 H-1477 Same as H-105 H-1478 Same as H-105 H-1479 Same as H-105 H-1479 Same as H-105 H-1470 Same as H-105 H-1471 H-1471 Same as H-105 H-1472 H-1473 Same as H-105 H-1474 H-1475 Same as H-105 H-1476 Same as H-105 H-1477 Same as H-105 H-1478 Same as H-105 H-1478 Same as H-105 H-1479 Same as H-105 H-1480 Same as H-105 H-1480 Same as H-105 H-1481 Same as H-105 H-1482 Same as H-105 H-1483 Same as H-116 H-1484 Same as H-117 H-1485 Same as H-116 H-1485 Same as H-117 H-1485 Same as H-116 H-1486 Same as H-117 H-1487 Same as H-116 H-1488 Same as H-117 H-1489 Same as H-1105 H-1480 Same as H-1105 H-1481 Same as H-1105 H-1482 Same as H-1105 H-1483 Same as H-1105 H-1484 Same as H-1105 H-1485 Same as H-105 H-1485 Same as H-105 H-1486 Same as H-105 H-1487 Same as H-116 H-1488 Same as H-117 H-1488 Same as H-1105 H-1489 Same as H-1105 H-1480 Same as H-1105 H-1481 Same as H-1105 H-1482 Same as H-1105 H-1483 Same as H-1105 H-1484 Same as H-105 H-1485 Same as H-105 H-1485 Same as H-105 H-1486 Same as H-105 H-1486 Same as H-105 H-1487 Same as H-105 H-1488 Same as H-105 H-1488 Same as H-105 H-1488 H-1489 Same as H-105 H-1480 Same as	H- 1	1467	w/#4-40 thd; neck between head and thread-	A-1330	r	350015-	С
Pi; #6-40; 3/16" thk o/a; 5/16" across flats H-1468	H-1		#6-40 full lg, 2 flats 1/2" lg w/csk hole near end; approx 21/32 lg o/a; mts by			350014-	C
H-1471 Same as H-127	H- 1	469	NUT, lock: elastic stop nut type; steel, cad pl; #6-40; 3/16" thk o/a; 5/16" across flats			***	E N
E-1307 or E-1310 to A-1329 or A-1330 H-1472 Same as H-815 Clamp for W-1302 Holds H-1472 to A-1389 Holds H-1472 to A-1389 Holds H-1472 to A-1389 Holds H-1472 to A-1389 Holds H-1472 to A-1389 Holds H-1472 to A-1389 Holds H-1472 to A-1389 Holds J-1301 to A-1333 Holds J-1301 to A-1333 Holds J-1301 to A-1333 Holds J-1301 to A-1333 Holds J-1301 to A-1333 Holds J-1301 to A-1333 Holds J-1301 to A-1333 Holds J-1301 to A-1333 Holds J-1301 to A-1333 Holds J-1301 to A-1333 Holds A-1333 to A-1389 N17-T 350016-0401 N17-T 350016-0401 Holds A-1333 to A-1389 Holds A-1333 to A-1389 Holds A-1333 to A-1389 Holds A-1333, 0-2068 and 0-2070 to A-1389 Holds A-1333, 0-2068 and 0-2070 to A-1389 Holds A-1333, 0-2068 and 0-2070 to A-1389 Holds A-1329 or A-1301 Holds A-1329 or A-1330 to A-1330 to A-1338 Holds A-1329 or A-1330 to A-1330 to A-1338 Holds A-1329 or A-1330 to A-1330 to A-1338 Holds A-1329 or A-1330 to A-1330 to A-1338 Holds A-1329 or A-1330 to A-1330 to A-1338 Holds A-1329 or A-1330 to A-1338	H-14	470	Same as H-518	E-1307 or E-1310 to A-1329			
H-1473 Same as H-117 H-1474 Same as H-105 H-1475 Same as H-803 H-1476 Same as H-117 H-1476 Same as H-105 H-1477 Same as H-105 H-1478 Same as H-105 H-1479 Same as H-105 H-1479 SCREW, machine: slot drive; Hex H; steel, nickel pl; #6-40; 1/4" lg o/a; 3/16" lg threaded portion; head 1/16" thk x 1/4" across flats H-1479 Same as H-105 H-1480 Same as H-105 H-1481 Same as H-105 H-1482 Same as H-116 H-1483 Same as H-116 H-1484 Same as H-117 Holds A-1329 or A-1330 to A-1330 H-1485 Same as H-105 Holds A-1329 or A-1330 to A-1338 H-1485 Same as H-105 Holds A-1329 or A-1330 to A-1338 H-1485 Same as H-105 Holds A-1329 or A-1330 to A-1338 H-1485 Same as H-105 Holds A-1329 or A-1330 to A-1338 H-1485 Same as H-105 Holds A-1329 or A-1330 to A-1338 ***Procured	H- 1	1471	Same as H-127	E-1307 or E-1310 to A-1329			
H-1474 Same as H-105 H-1475 Same as H-803 H-1476 Same as H-117 H-1477 Same as H-105 H-1477 Same as H-105 H-1478 SCREW, machine: slot drive; Hex H; steel, nickel pl; #6-40; 1/4" lg o/a; 3/16" lg threaded portion; head 1/16" thk x 1/4" across flats H-1479 Same as H-105 H-1480 Same as H-105 H-1481 Same as H-105 H-1482 Same as H-116 H-1483 Same as H-116 H-1484 Same as H-117 H-1485 Same as H-116 H-1485 Same as H-105 Holds A-1329 or A-1330 to A-1330 to A-1338 H-1485 Same as H-105 Holds A-1329 or A-1330 to A-1330 to A-1338 H-1485 Same as H-105 Holds A-1329 or A-1330 to A-1338 ***Procured	H- 14	472	Same as H-815	Clamp for W-1302			
H-1475 Same as H-803 H-1476 Same as H-117 H-1477 Same as H-105 H-1478 SCREW, machine: slot drive; Hex H; steel, nickel pl; #6-40; 1/4" lg o/a; 3/16" lg threaded portion; head 1/16" thk x 1/4" across flats H-1479 Same as H-105 H-1480 Same as H-105 H-1481 Same as H-105 H-1482 Same as H-116 H-1483 Same as H-116 H-1484 Same as H-116 H-1485 Same as H-117 H-1485 Same as H-105 H-1486 Same as H-117 H-1487 Same as H-118 H-1488 Same as H-118 H-1488 Same as H-119 H-1489 Same as H-1106 H-1489 Same as H-1107 H-1480 Same as H-1108 H-1481 Same as H-1109 H-1482 Same as H-1109 H-1483 Same as H-1109 H-1484 Same as H-1109 H-1485 Same as H-117 H-1485 Same as H-117 H-1485 Same as H-105 H-1486 Same as H-105 H-1487 Same as H-105 H-1488 Same as H-105 H-1488 Same as H-105 H-1488 Same as H-105 H-1489	H-1	473	Same as H-117	Holds H-1472 to A-1389			
H-1476 Same as H-117 H-1477 Same as H-105 H-1478 SCREW, machine: slot drive; Hex H; steel, nickel pl; #6-40; 1/4" lg o/a; 3/16" lg threaded portion; head 1/16" thk x 1/4" across flats H-1479 Same as H-105 H-1480 Same as H-105 H-1481 Same as H-105 H-1482 Same as H-115 H-1483 Same as H-116 H-1484 Same as H-116 H-1485 Same as H-117 Holds J-1301 to A-1333 Holds J-1301 to A-1333 Holds J-1301 to A-1389 N5305-332-8882 N17-T N5305-332-8882 N17-T N5305-332-8882 N17-T N5305-332-8882 N17-T N5305-332-8882 N17-T N5306-332-8882 T N5306-3338 N17-T N5306-33	H-1	474	Same as H-105	Holds H-1472 to A-1389			
H-1477 Same as H-105 H-1478 SCREW, machine: slot drive; Hex H; steel, nickel pl; #6-40; 1/4" lg o/a; 3/16" lg threaded portion; head 1/16" thk x 1/4" H-1479 Same as H-105 H-1480 Same as H-105 H-1481 Same as H-105 H-1482 Same as H-115 H-1483 Same as H-116 H-1484 Same as H-117 H-1485 Same as H-105 Holds A-1333, 0-2068 and 0-2070 to A-1389 H-1484 Same as H-116 H-1485 Same as H-117 Holds A-1329 or A-1330 to A-1330 to A-1338 H-1485 Same as H-105 Holds A-1329 or A-1330 to A-1338 H-1485 Same as H-105 Holds A-1329 or A-1330 to A-1338 H-1485 Same as H-105 Holds A-1329 or A-1330 to A-1338 ***Procured	H- 14	475	Same as H-803	Holds H-1472 to A-1389			
H-1476 SCREW, machine: slot drive; Hex H; steel, nickel pl; #6-40; 1/4" lg o/a; 3/16" lg threaded portion; head 1/16" thk x 1/4" across flats H-1479 Same as H-105 Holds A-1333 to A-1389 H-1480 Same as H-1326 Holds A-1333, 0-2068 and 0-2070 to A-1389 H-1481 Same as H-105 Holds A-1333, 0-2068 and 0-2070 to A-1389 H-1482 Same as H-115 Latches P-1102 to J-1301 H-1483 Same as H-116 Latches P-1102 to J-1301 H-1484 Same as H-117 Holds A-1329 or A-1330 to A-1338 H-1485 Same as H-105 Holds A-1329 or A-1330 to A-1338 H-1485 Same as H-105 Holds A-1329 or A-1330 to A-1338	H- 14	476	Same as H-117	Holds J-1301 to A-1333			
nickel pl; #6-40; 1/4" lg o/a; 3/16" lg threaded portion; head 1/16" thk x 1/4" across flats H-1479 Same as H-105 H-1480 Same as H-1326 H-1481 Same as H-105 H-1482 Same as H-115 H-1483 Same as H-116 H-1484 Same as H-117 H-1485 Same as H-105 Holds A-1329 or A-1330 to A-1330 to A-1338 H-1485 Same as H-105 Holds A-1329 or A-1330 to A-1338 H-1485 Same as H-105 Holds A-1329 or A-1330 to A-1338 H-1485 Same as H-105 Holds A-1329 or A-1330 to A-1338 H-1485 Same as H-105 Holds A-1329 or A-1330 to A-1338	H- 14	477	Same as H-105	Holds J-1301 to A-1333			
H-1480 Same as H-1326 Holds A-1333, 0-2068 and 0-2070 to A-1389 H-1481 Same as H-105 Holds A-1333, 0-2068 and 0-2070 to A-1389 H-1482 Same as H-115 Latches P-1102 to J-1301 H-1483 Same as H-116 Latches P-1102 to J-1301 Holds A-1329 or A-1330 to A-1338 H-1485 Same as H-105 Holds A-1329 or A-1330 to A-1338 ***Procured	H- 14		nickel pl; #6-40; 1/4" lg o/a; 3/16" lg threaded portion; head 1/16" thk x 1/4"			350016-	Cī
H-1481 Same as H-105 Holds A-1333, 0-2068 and 0-2070 to A-1389 H-1482 Same as H-115 Latches P-1102 to J-1301 H-1483 Same as H-116 Latches P-1102 to J-1301 H-1484 Same as H-117 Holds A-1329 or A-1330 to A-1338 H-1485 Same as H-105 Holds A-1329 or A-1330 to A-1338 ***Procured	H- 14	479	Same as H-105	Holds A-1333 to A-1389			
H-1482 Same as H-115 Latches P-1102 to J-1301 H-1483 Same as H-116 Latches P-1102 to J-1301 H-1484 Same as H-117 Holds A-1329 or A-1330 to A-1338 H-1485 Same as H-105 Holds A-1329 or A-1330 to A-1338 ***Procured	H- 14	48d	Same as H-1326				
H-1483 Same as H-116 Latches P-1102 to J-1301 H-1484 Same as H-117 Holds A-1329 or A-1330 to A-1338 H-1485 Same as H-105 Holds A-1329 or A-1330 to A-1338 ***Procured	H- 14	481	Same as H-105				
H-1484 Same as H-117 Holds A-1329 or A-1330 to A-1338 H-1485 Same as H-105 Holds A-1329 or A-1330 to A-1338 ***Procured	H- 14	182	Same as H-115	Latches P-1102 to J-1301			
H-1485 Same as H-105 Holds A-1329 or A-1330 to A-1338 ***Procured	H- 14	183	Same as H-116	Latches P-1102 to J-1301			
A-1338 ***Procured	H- 14	184	Same as H-117				
	H- 14	185	Same as H-105				

Holds 0-1485 to A-1329 or A-1330

N17-T 350015- 0107	СТТ	152415	152415	H-1467	1	0	0	
N17-T 350014- 0995	CTT	152425	152425	Н- 1468	1	0	0	
***	ES- NA	22M-60	152423	Н-1469	1	0	0	
•								
N17-T	СТТ	151722	151722	Н-1478, Н-1722	5	0	0	
350016- 0401				,				
						-		
***Procur	ed on	demand	by neares	st				
Navais	nore	Supply A	Activity.				_	

		PARTS								SF	PARE	PA	RTS
SYMBOL DESIG.	NAME OF PART AND DESCRIPTION	FUNCTION AND FEDERAL STOCK NUMBER	JAN OR NAVY TYPE DESIGNATION	STANDARD NAVY STOCK NUMBER		DESIG.	TELETYPE PART NO.	ALL SYMBOL DESIGNATIONS INVOLVED	TOTAL NO.	EQ XO8	UIP.	ST Š	OCK NA OCK
H- 1486	Same as H-168	Holds A-1329 or A-1330 to A-1338											
i- 1487	STUD; steel, nickel pl; approx 15/16" diam x 15/16" lg o/a, 1/4" diam shoulder; one end threaded 5/32" lg w/#6-40 thd; 24 equidistant teeth around beveled circum of head	Locks I-1301 in position and holds I-1301, 0-1493 and 0-1494 to A-1334 (If so equipped. See 0-1523.) N5815-370-1716		N17- T 350015- 0587	СТТ	152435	152435	Н- 1487	1	0	0		
I- 1489	Same as H-112	Holds I-1301, 0-1493 and 0-1494 to A-1334 (If so equipped. See H-1532)			1								
H- 1490	Same as H-105	Holds A-1334 or A-1339 to 0-1500											
H- 1491	Same as H-112	Holds A-1334 or A-1339 to 0-1500											
H- 1492	Same as H-113	Holds A-1334 or A-1339 to H-1514 and 0-1507											
I- 1493	Same as H- 105	Holds A-1334 or A-1339 to H-1514 and 0-1507		-						 			
I-1494	Same as H-119	Holds 0-1492, H-1496 and H-1497 to A-1334 or A-1339											
I- 1495	WASHER, lock: steel; round, 5/32" ID x 1/4" OD x 1/32" thk; split-ring type	Holds 0-1492, H-1496 and H-1497 to A-1334 or A-1339 N5815-313-5388		N17-T 350016- 0292	СТТ	124177	124177	H-1495	2	0	0		
I-1496	WASHER, spring: steel; round, approx 3/8" OD x 3/16" ID x 1/32" wd o/a; 0.010" thk m sterial	Applies pressure to H-1497 N5310-391-9718		N17-T 350008- 0110	СТТ	74283	74283	H-1496	2	0	0		
I-1497	WASHER, flat: steel, nickel pl; round, approx 13/32" OD x 3/16" ID x 0.018" thk o/a	Retains 0-1491 on 0-1492 N5815-370-1482		N17-T 350015- 0340	СТТ	152441	152441	H-1497	2	0	0		
I- 149 8	LATCH, lever: steel, nickel pl; irregular shape, spring notch one end, other end irregularly formed, hub welded to ctr; approx 1-3/4" lg x 1-7/32" h x 7/32" wd o/a; 0.042" thk material; mts by ID of hub	Prevents selector clutch from reversing by latching 0-1793 N5815-370-1475		N17-T 350015- 0333	СТТ	152427	152427	н- 1498	1	1	1		
- 1499	Same as H-126	Holds 0-1497 to 0-1496						·					
- 1500	Same as H-127	Holds 0-1497 to 0-1496						·					

H-1501	Same as H-183	Holds 0-1497 to 0-1496		ĺ					I			
Н- 1502	Same as H-127	Holds 0-1521 to 0-1496							ļ			
Н- 1503	Same as H-130	Holds 0-1521 to 0-1496							١			
H-1504	Same as H-126	Holds A-1335 to A-1338							١			
Н- 1505	Same as H-127	Holds A-1335 to A-1338							- 1			
H-1506	Same as H-126	Holds A-1336 to A-1338										
H-1507	Same as H-127	Holds A-1336 to A-1338							}	!		
H-1508	Same as H-126	Holds A-1337 to A-1338							1			
н- 1509	Same as H-127	Holds A-1337 to A-1338							1			
н- 1510	Same as H-265	Holds 0-1520 to A-1338										
Н- 1511	Same as H-105	Holds 0-1520 to A-1338							ı			
н- 1512	Same as H-168	Holds 0-1520 to A-1338							١			
н-1513	SCREW, shoulder: slot drive; FH; steel, nickel pl; #4-40; approx $5/16$ " lg o/a; $3/16$ " lg threaded portion incl slot; head $1/16$ " thk x $5/16$ " diam; shoulder $1/16$ " lg x $5/32$ " diam	Pivot for 0-1520 N5815-370-0242	N17-T 350013- 0789	СТТ	96717	96717	H-1513		1	1	2	
Н-1514	POST: steel, nickel pl; hex shape; approx $1-5/32$ " $\lg x \ 1/4$ " across flats; mts by tapped hole in ea end	Spaces A-1334 or A-1339 and A-1338 N5815-370-0340	N17-T 350013- 0888	СТТ	150687	150687	H-1514		1	0	0	
Н- 1515	Same as H-265	Holds A-1338 to H-1517 and H-1520										
Н- 1516	Same as H-105	Holds A-1338 to H-1517 and H-1520										
H- 1517	STUD: steel, nickel pl, approx 25/32" lg x 5/16" across flats o/a; one end threaded 7/32" lg w/#6-40 thd, other end threaded 1/4" d w/#6-40 thd; 1/4" diam body	Spaces A-1338 from A-1389 N5815-370-0871	N17-T 350014- 0539	СТТ	150479	150479	H-1517, H-1520 H-1525),	3	0	0	
Н-1518	Same as H-105	Holds H-1517 to A-1389							١			
н- 1519	Same as H-112	Holds H-1517 to A-1389							Ì			
H-1520	Same as H-1517	Spaces A-1338 from A-1389 and holds A-1338 and A-1380 to A-1389										
H- 1521	Same as H-265	Holds 0-1500 to A-1338										
Н- 1522	Same as H-105	Holds 0-1500 to A-1338							į			
Н-1523	Same as H-265	Holds H-1514 to A-1338							ĺ			

CHANGE 2

		PARTS								SP	ARE	PA	RT
	NAME OF PART	FUNCTION	JAN OR	STANDARD		NUFAC- JRERS		ALL SYMBOL	o e	EQI	UIP.	STO	OCK
YMBOL DESIG.	AND DESCRIPTION	AND FEDERAL STOCK NUMBER	NAVY TYPE DESIGNATION	NAVY STOCK NUMBER	3000	DESIG.	TELETYPE PART NO.	DESIGNATIONS INVOLVED	TOTAL NO.	BOX	DUAN.	¥08	
- 1524	Same as H-105	Holds H-1514 to A-1338											
- 1525	Same as H-1517	Holds 0-1507 to A-1338 and spaces A-1338 from A-1389											
- 1526	Same as H-127	Locks H-1513 to A-1338											
- 1527	Same as H-130	Locks H-1513 to A-1338											
- 1528	Same as H-105	Holds I-1301, 0-1493 and 0-1494 to A-1334 (If so equipped. See H-1531)											
- 1529	Same as H-1329	Holds A-1334 to 0-1507									.		
- 1530	Same as H-168	Holds 0-1500 to A-1338											
- 1531	Same as H-222	Holds I-1301, 0-1493 and 0-1523 to A-1339 (If so equipped. See H-1528)											
- 1532	Same as H-232	Holds I-1301, 0-1493 and 0-1523 to A-1339 (If so equipped. See H-1489)											
1540	STUD: steel, nickel pl; approx 7/8" lg x 1/4" across flats o/a; threaded 1/8" lg w/#6-40 thd next to hex shoulder, shank at ea end	Mounting shaft for 0-1536, 0-1537, 0-1538 and 0-1541 N5815-370-0701		N17-T 350014- 0367	СТТ	151669	151669	н- 1540	1	1	1		
- 1541	Same as H-277	Holds H-1540 to 0-1535											
I- 1542	STUD: steel, nickel pl; 31/32" lg x 5/16" across flats; short shank threaded 7/32" lg w/#6-40 thd, lg shank threaded 3/16" lg w/#6-40 thd; slot next to shoulder on lg shank	Mounting shaft for 0-1542 N5815-370-0868		N17-T 350014- 0536	СТТ	150471	150471	H-1542	1	0	0		
- 1543	Same as H-105	Holds A-1346 and H-1542 to A-1344											
- 1544	Same as H-112	Holds A-1346 and H-1542 to A-1344											
- 1545	WASHER, flat: steel, nickel pl; round, approx 9/32" OD x 5/32" ID x 0.028" thk o/a	Holds 0-1539 on shank of 0-1542 N5310-391-9610		N17-T 350005- 0755	СТТ	3649	3649	H-1545	1	0	0		
- 1546	Same as H-105	Holds 0-1539, 0-1540 and 0-1542 on H-1542		0135									

H- 1547	Same as H-112	Holds 0-1539, 0-1540 and 0-1542 on H-1542									
H- 1548	SCREW, machine: slot drive; Hex H; steel, nickel pl; #4-40; 5/16" lg o/a; threaded portion 1/4" lg; head 3/16" across flats x 1/16" thk	Holds A-1347 to A-1344		CTT	152893	152893	Н-1548, Н-2006	5	0	0	
H- 1549	Same as H-127	Holds A-1347 to A-1344									
H- 1550	Same as H-183	Holds A-1347 to A-1344									
H- 1551	Same as H-246	Retains 0-1543 and 0-1544 on 0-1535									
H- 1552	SCREW, machine: slot or wrench drive; Hex H; steel, nickel pl; #6-40; approx 13/16" lg o/a; 3/4" lg threaded portion; head 1/16" thk x 1/4" across flats	Locks 0-1544 to 0-1563 N5815-370-0933	N17-T 350014- 0601	СТТ	151721	151721	Н-1552, Н-2076	3	1	1	
H- 1553	Same as H-105	Locks 0-1544 to 0-1563									
H-1554	Same as H-1329	Locks 0-1544 to 0-1563									
H- 1555	NUT, lock: nut has arm 1/8" lg x 1/8" wd; steel, nickel pl; #6-40; 3/32" thk; approx 3/8" lg x 1/4" wd	Locks 0-1544 to 0-1563 N5815-370-0207	N17-T 350013- 0752	СТТ	151629	151629	H-1555, H-1786, H-1798, H-1813	5	1	5	
н- 1556	SCREW, machine: slot drive; FH; steel, nickel pl; #6-40; approx 1-3/16" lg o/a; 3/4" lg threaded portion; head 1/16" thk x 7/32" diam	Holds A-1346 and 0-1546 to A-1344 N5815-370-0690	N17-T 350014- 0356	СТТ	150978	150978	Н-1556	1	1	1	
н- 1557	Same as H-105	Holds A-1346 and 0-1546 to A-1344									
H-1558	Same as H-113	Holds A-1345 and 0-1555 to A-1344									
H- 1559	Same as H-105	Holds A-1345 and 0-1555 to A-1344									
H- 1560	Same as H-113	Holds A-1345 to A-1344									
H- 1561	Same as H-105	Holds A-1345 to A-1344									
H-1562	Same as H-168	Holds A-1345 to A-1344									
н-1563	Same as H-113	Holds A-1344 to 0-1562									
H-1564	Same as H-105	Holds A-1344 to 0-1562									
н- 1565	Same as H-113	Holds A-1346 to 0-1555									
H- 1566	Same as H-105	Holds A-1346 to 0-1555									
H-1567	Same as H-265	Holds A-1346 to A-1389									
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		PARTS							-	SF	ARE	E PA	RTS
YMBOL	NAME OF PART	FUNCTION AND	JAN OR NAVY TYPE	STANDARD NAVY	TL	NUFAC- JRERS	TELETYPE	ALL SYMBOL DESIGNATIONS	TOTAL NO.		UIP.	╁	OCK
DESIG.	DESCRIPTION	FEDERAL STOCK NUMBER	DESIGNATION	STOCK NUMBER	CODE	DESIG.	PART NO.	INVOLVED	TOTA	Š	OUAN.	ğ	OUAN.
I- 1568	Same as H-105	Holds A-1346 to A-1389											
I- 1569	PLATE, lock: steel, nickel pl; oblong; 21/32" lg x 5/16" wd x 0.095" thk o/a; mts by 2 tapped holes	Nut plate for H-1556 and 0-1545 N5815-370-0873		N17-T 350014- 0541	СТТ	150482	150482	Н- 1569	1	0	0		
- 1570	Same as H-212	Locks 0-1545 to H-1569											
- 1571	Same as H-117	Holds H-1573 to A-1338											
I- 15 7 2	Same as H-105	Holds H-1573 to A-1338											
I- 1573	HOLDER, wick: steel, nickel pl; cylindrical w/formed ear at one end, cutout through out lg; approx 1-1/8" lg x 7/16" OD x 3/8" ID o/a; mts by body hole in formed ear	Holder for 0-1561 N5815-370-1832		N17-T 350015- 0716	стт	152456	152456	н- 1573	1	0	0		
- 1574	Same as H-242	Holds 0-1562 to A-1389]										
I- 15 7 5	Same as H-105	Holds 0-1562 to A-1389											
- 1576	STUD: steel, nickel pl; approx 1/2" lg x 3/16" diam o/a; one end threaded 1/4" lg w/#6-40 thd; drive slot across other end	Pivot for and connects 0-1808 to 0-1563 N5815-370-0478		N17-T 350014- 0129	стт	150055	150055	Н-1576, Н-2055	2	1	2		
- 1577	Same,as H-105	Holds H-1576 to 0-1563	}				-						
- 1578	Same as H-112	Holds H-1576 to 0-1563	}										
- 1579	Same as H-265	Holds A-1348 to 0-1565								١.			
- 1580	Same as H-105	Holds A-1348 to 0-1565											
- 1581	Same as H-168	Holds A-1348 to 0-1565											
- 1582	STUD: steel, piston finish; approx 1/2" lg x 1/4" diam o/a; one end threaded 3/16" lg w/#6-40 thd; slot between head and body, drive slot across head	Pivot for 0-1578 N5815-370-0402		N17-T 350013- 0952	СТТ	150748	150748	H-1582, H-1588, H-1595, H-1596	6	1	3		
- 1584	Same as H-105	Holds H-1582 to A-1349											
- 1585	Same as H-112	Holds H-1582 to A-1349											
- 1586	Same as H-246	Retains 0-1578 on H-1582											
- 1588	Same as H-1582	Pivot for 0-1578											
- 1590	Same as H-105	Holds H-1588 to 0-1565										1	

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н- 1591	Same as H-112	Holds H-1588 to 0-1565										1	
H- 1592	Same as H-246	Retains 0-1578 on H-1588								ĺ			
H-1594	Same as H-1355	Retains 0-1580 and 0-1581 on 0-1565											
Н- 1595	Same as H-1582	Pivot for 0-1566 or 0-1604											
н- 1596	Same as H-1582	Pivot for 0-1572 or 0-1607											
н- 1597	Same as H-105	Holds H-1595 and H-1596 to 0-1565											
н- 1598	Same as H-112	Holds H-1595 and H-1596 to 0-1565											
H-1599	Same as H-246	Retains 0-1566 or 0-1604 on H-1595											
н- 1600	Same as H-246	Retains 0-1572 or 0-1607 on H-1596											
H- 1601	Same as H-246	Retains 0-1572 or 0-1607 and 0-1603 on 0-1600				٠							
н- 1602	Same as H-246	Retains 0-1566 or 0-1604 and 0-1602 on 0-1599									 		
H-1603	Same as H-158	Retains 0-1584 on 0-1565	.*										
H- 1604	Same as H-158	Retains 0-1586 on 0-1565											
н- 1605	STUD: steel, nickel pl; approx 1-5/32" lg x 3/8" diam o/a; one end threaded 1/4" deep w/#10-32 thd; slot around approx ctr and drive slot at end of shank	Pivot for 0-1588, 0-1589 and shaft for 0-1590 N5815-370-1112		N17-T 350014- 0834	СТТ	150175	150175	н-1605	1	0	0		· ·
H- 1606	Same as H-246	Retains 0-1588, 0-1589 and 0-1590 on H-1605											
н- 1607	SCREW, machine: wrench or slot drive; Hex H; steel, nickel pl; #6-40; approx 7/16" lg o/a; 3/16" lg threaded portion, head 1/16" thk x 5/16" across flats; shoulder 5/32" lg x 7/32" diam; neck between shoul- der and threaded portion	Shaft for 0-1592 N5815-370-0927		N17-T 350014- 0595	СТТ	151700	151700	н- 1607	1	1	1		
н- 1608	Same as H-105	Holds H-1607 to 0-1588											
н- 1609	Same as H-112	Holds H-1607 to 0-1588											
H- 1610	STUD: steel, nickel pl; approx $3/4$ " lg x $1/4$ " across flats o/a; one end threaded $3/16$ " lg w/#6-40 thd, shank and pilot w/slot on other end	Shaft for 0-1595 N5815-370-0407		N17-T 350013- 0957	СТТ	150755	150755	н-1610	1	1	1		
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		PARTS						· · · · · · · · · · · · · · · · · · ·		G	ARE	. 94	PTS
				STANDARD	MA	NUFAC-			lo e		UIP.	_	OCK
SYMBOL DESIG.	NAME OF PART AND DESCRIPTION	FUNCTION AND FEDERAL STOCK NUMBER	JAN OR NAVY TYPE DESIGNATION	NAVY STOCK NUMBER	1000 E	DESIG.	TELETYPE PART NO.	ALL SYMBOL DESIGNATIONS INVOLVED	TOTAL NO. PER EQUIP.	XOS.	NANO		1
H-1611	Same as H-105	Holds H-1610 to 0-1589											
H- 1612	Same as H-112	Holds H-1610 to 0-1589								ĺ			
H- 1613	Same as H-206	Retains 0-1595 on H-1610											
H- 1614	STUD: steel, nickel pl; approx 1/2" lg x 3/16" across flats; one end threaded 1/8" lg w/#4-40 thd, 3/32" diam plain shank other end	Positions 0-1589 and shaft for 0-1596 N5815-370-0405		N17-T 350013- 0955	СТТ	150752	150752	H- 1614	1	1	1		
H- 1615	Same as H-127	Holds H-1614 to 0-1597 or 0-1610											
H- 1616	Same as H-130	Holds H-1614 to 0-1597 or 0-1610											
H- 1617	Same as H-127	Holds 0-1569, 0-1597 or 0-1610 and H-1718 to 0-1686											
H- 1618	Same as H-130	Holds 0-1569, 0-1597 or 0-1610 and H-1718 to 0-1686											
H- 1619	Same as H-127	Holds 0-1575, 0-1597 or 0-1610 and H-1719 to 0-1686											
H- 1620	Same as H-130	Holds 0-1575, 0-1597 or 0-1610 and H-1719 to 0-1686											
H- 1621	Same as H-117	Holds 0-1599 and 0-1600 to A-1355											
H- 1622	Same as H-105	Holds 0-1599 and 0-1600 to A-1355											
H- 1623	Same as H-168	Holds 0-1599 and 0-1600 to A-1355											
I-1624	Same as H-117	Holds 0-1601 to 0-1599 and 0-1600											
H- 1625	Same as H-105	Holds 0-1601 to 0-1599 and 0-1600											
I- 1626	Same as H-168	Holds 0-1601 to 0-1599 and 0-1600											
I- 1634	Same as H-105	Locks H-1642 to A-1355											

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н- 1637	Same as H-126	Holds 0-1670 and 0-1671 spare shims to A-1355											
H- 163 8	Same as H-127	Holds 0-1670 and 0-1671 spare shims to A-1355											
н- 1639	Same as H-183	Holds 0-1670 and 0-1671 spare shims to A-1355											
H-1640	SCREW, machine: slot or wrench drive; Hex H; steel; #10-32; approx 11/32" lg; threaded portion 1/4" lg; head 3/32" thk x 5/16" across flats	Holds A-1355 to A-1389 and A-1391 N5815-370-0195		N17-T 350013- 0740	СТТ	151606	151606	н-1640,	Н-1680	5	0	0	
н- 1641	Same as H-222	Holds A-1355 to A-1389 and A-1391											
н-1642	STUD: steel, nickel pl; 7/16" lg x 1/4" across flats o/a; one end threaded 1/8" lg w/#6-40 thd, 5/32" diam x 7/32" lg plain shank opposite end; groove in plain shank (Replaces CTT #85935)	Anchor for 0-1593 N5815-524-3416			CTT	155081	155081	н- 1642		1	0	0	
н-1643	Same as H-113	Holds 0-1613, 0-1611 and 0-1615 to A-1355											
H- 1644	Same as H-105	Holds 0-1613, 0-1611 and 0-1615 to A-1355											
н- 1645	Same as H-119	Holds A-1356 to A-1355											
н- 1646	Same as H-105	Holds A-1356 to A-1355											
н- 1647	Same as H-119	Holds 0-1625 to 0-1621											
H- 1648	Same as H-105	Holds 0-1625 to 0-1621											
H- 1649	Same as H-168	Holds 0-1625 to 0-1621											
H- 1650	Same as H-246	Retains 0-1621, 0-1624 and 0-1625 on A-1356											
H- 1651	Same as H-104	Holds A-1357 and 0-1667 to A-1355						 - 					
н- 1652	Same as H-105	Holds A-1357 and 0-1667 to A-1355											
н- 1653	Same as H-518	Locks 0-1626 to 0-1668									l		
H- 1654	Same as H-127	Locks 0-1626 to 0-1668											
i- 1655	Same as H-174	Holds 0-1627, 0-1630 and 0-1633 to 0-1626											
H- 1656	Same as H-127	Holds 0-1627, 0-1630 and 0-1633 to 0-1626	-										

		PARTS								SI	PARE	PA	RTS
YMBOL DESIG.	NAME OF PART AND	FUNCTION AND	JAN OR NAVY TYPE	STANDARD NAVY STOCK		NUFAC- JRERS	TELETYPE	ALL SYMBOL DESIGNATIONS	TOTAL NO.	ΕQ	UIP.	₩	ock
DE310 .	DESCRIPTION	FEDERAL STOCK NUMBER	DESIGNATION	NUMBER	CODE	DESIG.	PART NO.	INVOLVED	<u> </u>	š	OUAN	Š	OUAN.
I- 165 7	STUD: steel, nickel pl; approx 1-17/32" lg x 1/2" across flats o/a; one end threaded 3/16" lg w/#10-32 thd, drive slot across other end; 4 slots and 3 grooves irregularly spaced	Shaft for 0-1636 and 0-1637 N5815-370-0385		N17-T 350013- 0935	СТТ	150667	150667	н- 1657	1	0	0		
- 1658	Same as H-222	Holds H-1657 to A-1355											
- 1659	Same as H-232	Holds H-1657 to A-1355											
I- 1660	Same as H-1355	Retains 0-1636 and 0-1637 on H-1657 and 0-1634 on on 1636 and 0-1637											
I-1661	SCREW, machine: slot drive; Hex H; steel, nickel pl; #4-40; 7/16" lg o/a; threaded portion 1/8" lg; head 3/16" across flats x 1/16" thk	Holds symbols 0-1638 through 0-1641 to 0-1634 N5305-514-7391			СТТ	153817	153817	Н-1661, Н-1704	4	0	0		
I- 1662	Same as H-130	Holds symbols 0-1638 through 0-1641 to 0-1634											
I- 1663	SCREW, set: slot drive; headless; steel, nickel pl; #10-32; 13/32" lg; cup point	Adjusts air release from 0-1642 by applying pressure to 0-1643		N17-T 350014- 0924	стт	1214	1214	н- 1663	1	0	0		
- 1664	NUT, hexagon: steel, nickel pl; #10-32; 3/32" thk; 1/4" across flats	N5815-370-1196 Locks H-1663 in position N5815-448-4121		N17-T 350012- 0507	СТТ	89897	89897	н-1664	1	0	0		
- 1665	Same as H-415	Holds 0-1650, 0-1651, 0-1652 and H-1667 to A-1355											
[-1666	Same as H-127	Holds 0-1650, 0-1651, 0-1652 and H-1667 to A-1355											
I- 1667	WASHER, flat: steel, nickel pl; round, approx 1/8" ID x 3/8" OD x 1/32" thk	Spaces 0-1651 and 0-1652 N5310-286-2877		N17-T 350005- 0442	стт	125802	125802	Н-1667, Н-2046	30	1	1		
- 1668	STUD: steel, nickel pl; approx 9/16" lg x 3/16" across flats o/a; one end threaded 1/8" lg w/#6-40 thd; other end has slot	Guides and mts 0-1653, and 0-1656 N5815-370-0391		N17-T 350013- 0941	СТТ	150693	150693	Н-1668	2	1	1		
- 1669	WASHER, flat: steel, nickel pl; round, approx 5/16" OD x 3/16" ID x 0.028" thk o/a	Front Friction washers for 0-1653 and 0-1656 N5815-370-0394		N17-T 350013- 0944	стт	150711	150711	н-1669	2	0	0		

H-1670	Same as H-158	Retains 0-1653 or 0-1656 on H-1668									
н- 1672	WASHER, flat: steel, nickel pl; round, approx 15/32" OD x 5/32" ID x 0.034" thk o/a	Rear friction washers for 0-1653 and 0-1656 N5815-318-5058	N17-T 350016- 0452	СТТ	152890	152890	н-1672	2	0	0	
н- 1674	Same as H-192	Holds 0-1645 to A-1355							l		
H-1675	Same as H-127	Holds 0-1645 to A-1355									
H- 1676	Same as H-183	Holds 0–1645 to A–1355 at elongated slot only									
н- 1677	Same as H-105	Holds H-1668 and H-1671 to A-1355									
н- 1678	Same as H-112	Holds H-1668 to A-1355									
H-1679	Same as H-337	Retains 0-1659, 0-1661 and 0-1663 on A-1355									
н- 1680	Same as H- 1640	Holds H-1605 to A-1355									
н- 1681	Same as H-222	Holds H-1605 to A-1355									
н- 1682	Same as H-623	Holds 0-1666 to A-1355									
н- 1683	Same as H-105	Holds 0-1666 to A-1355									
H- 1684	Same as H-168	Holds 0-1666 to A-1355 and 0-1664 and 0-1665 on 0-1666									
H- 1685	Same as H-117	Locks 0-1669 to 0-1668									
H-1686	Same as H-105	Locks 0-1669 to 0-1668									. 1
н- 1687	Same as H-1355	Retains 0-1668 in position in 0-1667									
н- 1688	Same as H-265	Holds 0-1642 to A-1355									
н- 1689	Same as H-105	Holds 0-1642 to A-1355									
H- 1690	Same as H-113	Holds 0-1673 and 0-1672 to A-1358									
H- 1691	Same as H-105	Holds 0-1673 and 0-1672 to A-1358									
H-1692	Same as H-112	Holds 0-1673 and 0-1672 to A-1358									
н- 1693	SCREW, machine: wrench drive; Hex H; steel, nickel pl; #6-40; approx 3/8" lg o/a; threaded portion 7/32" lg; head 3/64" thk x 5/16" across flats; shoulder 1/16" lg x 7/32" diam	Pivot for and holds 0-1675 and H-1694 to A-1358 N5815-370-0664	N17-T 350014- 0328	СТТ	150909	150909	н- 1693	1	1	1	

		PARTS								SF	PARE	: PA	RTS
SYMBOL DESIG.	NAME OF PART AND DESCRIPTION	FUNCTION AND FEDERAL STOCK NUMBER	JAN OR NAVY TYPE DESIGNATION	STANDARD NAVY STOCK NUMBER		NUFAC- IRERS DESIG.	TELETYPE PART NO.	ALL SYMBOL DESIGNATIONS INVOLVED	TOTAL NO.	BOX B	UIP.	ST X	OCK NAV
I-1694	WASHER, flat: steel, nickel pl; round, approx 5/32" ID x 7/16" OD x 1/16" thk o/a	Spaces 0-1675 and A-1358 N5310-285-8088		N17-T 350013- 0206		76461	76461	н- 1694	1	1			
- 1695	Same as H-105	Holds H-1693 to A-1358										l	
I- 1696	Same as H-112	Holds H-1693 to A-1358											
H- 1697	SCREW, machine: slot or wrench drive; Hex H; steel, nickel pl; #6-40; approx 7/16" lg o/a; 3/8" lg threaded portion; head 1/16" thk x 1/4" across flats	Holds H-1706 and A-1359 to A-1358 N5815-370-0210		N17-T 350013- 0755	СТТ	151632	151632	H-1697, H-1937, H-1994, H-1999	7	1	2		
H- 1698	Same as H-105	Holds H-1706 and A-1359 to A-1358											
H- 1699	Same as H-168	Holds H-1706 and A-1359 to A-1358											
н- 1700	SCREW, machine: slot drive; FH; steel, nickel pl; #6-40; approx 1-5/16" lg o/a; 1/2" lg threaded portion; head 1/16" lg x 7/32" diam	Holds A-1359, 0-1676 and 0-1707 to A-1355 N5815-370-0393		N17-T 350013- 0943	СТТ	150710	150710	н- 1700	2	1	2		
H-1701	Same as H-105	Holds A-1359, 0-1676 and 0-1707 to A-1355											
H- 1702	Same as H-265	Holds A-1359 to 0-1688 and 0-1689											
H- 1703	Same as H-105	Holds A-1359 to 0-1688 and 0-1689		1									
H-1704	Same as H-1661	Holds 0-1679 and 0-1680 to A-1359											
H- 1705	Same as H-127	Holds 0-1679 and 0-1680 to A-1359											
H- 1706	STUD: steel, nickel pl; approx 3/8" across flats x 5/8" lg o/a; one end threaded 1/4" deep w/#6-40 thd; shank w/slot other end	Shaft for 0-1677 N5815-370-0629		N17-T 350014- 0281	СТТ	150800	150800	н- 1706	2	0	0		
H- 1707	Same as H-246	Retains 0-1677 and 0-1678 or H-1706											

PARTS LISTS	NAVSHIPS 91713	Section 8 H-1708—H-172
0	1	
0	1	
1	2	
1711	1718, H-1719	
152505	150219	
152505	150219	
СТТ	СТТ	
N17-T 350015- 0345	N17-T 350014- 0140	

H- 1708	Same as H-202	Holds A-1360 and A-1361 to 0-1681
H-1709	Same as H-127	Holds A-1360 and A-1361 to 0-1681
H-1710	Same as H-183	Holds A-1360 and A-1361 to 0-1681
Н-1711	STUD: steel, nickel pl; approx 15/32" lg x 1/4" diam o/a; one end threaded 5/32" lg w/#4-40 thd, other end unthreaded; 5/32" diam shoulder w/2 flats near threaded portion	Connects 0-1681 with 0-1664 N5815-370-1486
H-1712	Same as H-183	Holds H-1711 to 0-1681
н- 1713	Same as H-127	Holds H-1711 to 0-1681
H- 1714	Same as H-130	Holds H-1711 to 0-1681
H-1715	Same as H-337	Retains 0-1685 on 0-1681
н-1716	Same as H-119	Holds 0-1688 and 0-1689 to A-1355
H-1717	Same as H-105	Holds 0-1688 and 0-1689 to A-1355
H-1718	SCREW, machine: wrench drive, sq head; steel, nickel pl; #4-40; approx $9/16$ " lg o/a; $1/8$ " lg threaded portion; $1/4$ " sq x $3/32$ " thk head	Shaft for 0-1569 N5815-370-0489
H-1719	Same as H-1718	Shaft for 0-1575
H-1720	Same as H-246	Retains 0-1691 and 0-1694 on 0-1686 or 0-1707 and 0-1710 on 0-1713
H-1721	Same as H-158	Retains 0-1692 on 0-1691 and 0-1695 on 0-1694 or 0-1708 on 0-1707 and 0-1711 on 0-1710
H-1722	Same as H-1478	Holds 0-1692 and 0-1695 or 0-1708 and 0-1711 to 0-1697
H- 1723	Same as H-105	Holds 0-1692 and 0-1695 or 0-1708 and 0-1711 to 0-1697
H- 1724	Same as H-168	Holds 0-1695 or 0-1711 to 0-1697
H- 1725	Same as H-158	Retains 0-1697 and 0-1700 on 0-1702 and 0-1703
H- 1726	Same as H-265	Holds 0-1701 to A-1355

		PARTS								SI	PARI	E PA	RTS
SYMBOL DESIG.	NAME OF PART AND DESCRIPTION	FUNCTION AND FEDERAL STOCK NUMBER	JAN OR NAVY TYPE DESIGNATION	STANDARD NAVY STOCK NUMBER		NUFAC- IRERS DESIG.	TELETYPE PART NO.	ALL SYMBOL DESIGNATIONS INVOLVED	TOTAL NO.	EQ XO	UIP.		OCK
- 1727	Same as H-105	Holds 0-1701 to A-1355											
I- 1728	Same as H-126	Holds A-1362 to 0-1705											
- 1729	Same as H-127	Holds A-1362 to 0-1705										ŀ	
I- 17 4 2	STUD: steel, nickel pl; approx 1-13/16" lg x 3/8" across flats o/a; both ends threaded w/#10-32 thd, one end 7/32" lg, other end 1/4" lg; lg shoulder and shank one end	Shaft for 0-1715 and 0-1721 N5815-370-0491		N17-T 350014- 0142	ctt	150197	150197	Н-1742, Н-1757	2	1	1		
I- 17 4 3	Same as H-222	Holds H-1742 to A-1355											
- 1744	Same as H-232	Holds H-1742 to A-1355											
I - 174 5	Same as H-415	Holds 0-1716 to 0-1715								İ			
I- 17 4 6	Same as H-127	Holds 0-1716 to 0-1715											
I- 17 4 7	Same as H-233	Holds 0-1718 to 0-1715											
- 1748	Same as H-105	Holds 0-1718 to 0-1715											
- 1749	Same as H-233	Holds W-1306 to 0-1715										1	
I- 1750	Same as H-105	Holds W-1306 to 0-1715											
I- 1752	Same as H-192	Holds 0-1720 to 0-1715											
I- 1753	Same as H-127	Holds 0-1720 to 0-1715											
I- 1754	Same as H-183	Holds 0-1720 to 0-1715											
I- 1755	Same as H-222	Holds A-1358, 0-1715 and 0-1721 on 0-1742											
I- 1756	Same as H-232	Holds A-1358, 0-1715 and 0-1721 on 0-1742											
I- 1757	Same as H-1742	Shaft for 0-1722											
I- 1758	Same as H-222	Holds H-1757 to A-1355											
- 1759	Same as H-232	Holds H-1757 to A-1355											
- 1760	Same as H-117	Holds 0-1723 to 0-1722											
I-1761	Same as H-105	Holds 0-1723 to 0-1722											



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H- 1762	Same as H-1329	Holds 0-1723 to 0-1722												
H-1763	Same as H-222	Holds A-1358, 0-1722 and 0-1725 on H-1757				\	٠							į.
H- 1764	Same as H-232	Holds A-1358, 0-1722 and 0-1725 on H-1757												
H- 1765	Same as H-233	Holds W-1306 to 0-1722												
н- 1766	Same as H- 105	Holds W-1306 to 0-1722												1
H- 1768	Same as H-233	Holds 0-1727 to 0-1722												
H- 1769	Same as H-105	Holds 0-1727 to 0-1722												
H-1770	Same as H-233	Holds W-1307 to 0-1722												
H- 1771	Same as H-105	Holds W-1307 to 0-1722												
H- 1773	Same as H-104	Holds 0-1728 to 0-1722												
H- 1774	Same as H-105	Holds 0-1728 to 0-1722											l	
H- 1775	Same as H-1329	Holds 0-1728 to 0-1722												
H- 1776	Same as H-104	Holds 0-1729 to 0-1722												
H-1777	Same as H-105	Holds 0-1729 to 0-1722												
H-1778	Same as H-1329	Holds 0-1729 to 0-1722												ĺ
H- 1779	Same as H-104	Holds 0-1728 and 0-1729 to 0-1722												
H- 1780	Same as H-105	Holds 0-1728 and 0-1729 to 0-1722												
H-1781	Same as H-1329	Holds 0-1728 and 0-1729 to 0-1722								-	i			
H- 1782	Same as H-246	Retains 0-1731 and 0-1734 on 0-1730												
H- 1783	Same as H-1112	Locks 0-1734 to 0-1730												- 1
H- 1784	Same as H-105	Locks 0-1734 to 0-1730												
H-1785	Same as H-1329	Locks 0-1734 to 0-1730												
H- 1786	Same as H-1555	Locks 0-1734 to 0-1730												
H- 1787	WASHER, lock: steel; round, approx 9/16" OD x 3/8" ID x 1/32" thk o/a; split-ring type	Holds 0-1736 to A-1389 N5310-391-9697		N17-T 350013- 0195	СТТ	73175			H-1808, H-2050	4	1	2		

TABLE 8-4.	COMBINED	PARTS	AND	SPARE	PARTS	LIST	

		PARTS								SI	PARE	PA	RTS
MBOL DESIG.	NAME OF PART AND DESCRIPTION	FUNCTION AND FEDERAL STOCK NUMBER	JAN OR NAVY TYPE DESIGNATION	STANDARD NAVY STOCK NUMBER		NUFAC- IRERS DESIG.	TELETYPE PART NO.	ALL SYMBOL DESIGNATIONS INVOLVED	TOTAL NO.	EQ XOS	VIP.	ST X	OCK
- 1788	NUT, hexagon: steel, nickel pl; 3/8"-32; approx 1/8" thk o/a; 1/2" across flats	Holds 0-1736 to A-1389 N5815-448-3662		N17-T 350001- 0357		2539	2539	H-1788, H-1809, H-2049, H-2051		1	1		
1789	Same as H-168	Holds 0-1737 to 0-1730		ļ									
1790	Same as H-105	Holds 0-1737 to 0-1730											
1791	Same as H-112	Holds 0-1737 to 0-1730											
- 1792	Same as H-119	Locks 0-1741 to 0-1740											
1793	Same as H-415	Positions 0-1745 in relation to 0-1860											
1794	Same as H-130	Locks H-1793 in position											
1795	Same as H-1112	Locks 0-1743 to 0-1740		İ									
1796	Same as H-105	Locks 0-1743 to 0-1740											
1797	Same as H-1329	Locks 0-1743 to 0-1740											
1798	Same as H-1555	Locks 0-1743 to 0-1740											
1799	SCREW, shoulder: slot drive; FH; steel, nickel pl; #6-40; approx 15/32" lg o/a; 1/4" lg threaded portion; head 9/32" diam x 3/32" thk; shoulder 3/16" diam x 1/8" thk; neck between head and shoulder	Shaft for 0-1759 and holds 0-1757, 0-1758 and 0-1759 to 0-1754 N5815-448-3722		N17-T 350005- 0771	СТТ	6800	6800	н-1799	1	0	0		
1800	Same as H-112	Locks H-1799 to 0-1754											
1801	Same as H-168	Holds 0-1754 to 0-1740 and 0-1740 to A-1380											
1802	Same as H-105	Holds 0-1754 to 0-1740 and 0-1740 to A-1380											
1803	Same as H-112	Holds 0-1754 to 0-1740 and 0-1740 to A-1380											
1804	Same as H-119	Locks 0-1760 to 0-1740											
1805	Same as H-415	Positions 0-1761 in relation to 0-1878											
1806	Same as H-130	Locks H-1805 in position											

H-1810 Same as H-1112 Locks 0-1773 to 0-1740 H-1811 Same as H-105 Locks 0-1773 to 0-1740 H-1812 Same as H-1329 Locks 0-1773 to 0-1740 H-1813 Same as H-1555 Locks 0-1773 to 0-1740 H-1814 Same as H-246 Retains 0-1774and0-1776 on 0-1740 H-1823 CLAMP: steel; nickel pl; one #4-40 screw employed; 21/32" OD x 1/2" ID x 29/64" lg o/a; accom 1/2" diam collar (If so equipped. See H-1485) N5815-524-3417															
H-1809 Same as H-1788	H-1807	Same as H-119	Locks 0-1768 to 0-1740						1		İ	1			1
H-1810 Same as H-1112 H-1811 Same as H-105 Locks 0-1773 to 0-1740 Locks 0-1773 to 0-1740 Locks 0-1773 to 0-1740 H-1812 Same as H-1329 Locks 0-1773 to 0-1740 Locks 0-1773 to 0-1740 Locks 0-1773 to 0-1740 Locks 0-1773 to 0-1740 H-1813 Same as H-1255 Locks 0-1773 to 0-1740 Locks 0-1773 to 0-1740 Locks 0-1773 to 0-1740 Locks 0-1773 to 0-1740 Locks 0-1773 to 0-1740 Locks 0-1773 to 0-1740 Locks 0-1773 to 0-1740 Locks 0-1773 to 0-1740 Locks 0-1773 to 0-1740 Locks 0-1773 to 0-1740 Locks 0-1773 to 0-1740 Locks 0-1773 to 0-1740 Locks 0-1773 to 0-1740 Locks 0-1773 to 0-1740 Locks 0-1773 to 0-1740 Locks 0-1773 to 0-1740 Locks 0-1773 to 0-1740 Locks 0-1773 to 0-1740 Locks 0-1773 to 0-1740 Locks 0-1773 to 0-1791 Locks 0-1773 to 0-1792 Locks 0-1773 to 0-1792 Locks 0-1773 to 0-1792 Locks 0-1773 to 0-1792 Locks 0-1773 to 0-1793 Locks 0-1773 to 0-1793 Locks 0-1773 to 0-1793 Locks 0-1773 to 0-1793 Locks 0-1773 to 0-1793 Locks 0-1773 to 0-1793 Locks 0-1773 to 0-1793 Locks 0-1773 to 0-1793 Locks 0-1801 to 0-1793 Locks 0-1801 to 0-1791 Lock	H-1808	Same as H-1787	Holds 0-1770 to A-1391												
H-1811 Same as H-105 H-1812 Same as H-1329 Locks 0-1773 to 0-1740 H-1813 Same as H-1329 Locks 0-1773 to 0-1740 H-1814 Same as H-246 Retains 0-1744ando-1776 on 0-1740 H-1825 CLAMP: steel; nickel pl; one #4-40 screw employed; 21/32" OD x 1/2" ID x 29/44" lg o/a; accom 1/2" diam collar h-1826 Same as H-204 H-1827 Same as H-353 H-1828 Same as H-353 H-1828 Same as H-353 H-1829 Same as H-353 H-1829 Same as H-353 H-1829 Same as H-353 H-1820 Same as H-364 H-1821 Same as H-364 H-1828 Same as H-365 H-1828 Same as H-364 H-1829 Same as H-364 H-1829 Same as H-365 H-1829 Same as H-364 H-1830 Same as H-365 H-1848 Same as H-127 H-1850 Same as H-106 H-1851 Same as H-107 H-1852 Same as H-107 H-1853 Same as H-106 H-1853 Same as H-107 H-1853 Same as H-106 H-1853 Same as H-107 H-1853 Same as H-107 H-1853 Same as H-107 H-1853 Same as H-107 H-1853 Same as H-107 H-1853 Same as H-107 H-1853 Same as H-107 H-1853 Same as H-107 H-1853 Same as H-107 H-1853 Same as H-107 H-1853 Same as H-108 H-1854 Same as H-107 H-1855 Same as H-108 H-1855 Same as H-106 H-1855 Same as H-106 H-1855 Same as H-106 H-1855 Same as H-106 H-1855 Same as H-106 H-1855 Same as H-106 H-1855 Same as H-106 H-1855 Same as H-106 H-1855 Same as H-106 H-1855 Same as H-106 H-1855 Same as H-106 H-1855 Same as H-107 H-1855 Same as H-106 H-1855 Same as H-106 H-1855 Same as H-107 H-1856 Same as H-107 H-1857 Same as H-107 H-1857 Same as H-10	H-1809	Same as H-1788	Holds 0-1770 to A-1391												
H-1812 Same as H-1329 Locks 0-1773 to 0-1740 H-1813 Same as H-1266 H-1814 Same as H-246 R-1815 Same as H-127 Locks 0-1773 to 0-1740 R-1815 Same as H-127 H-1826 Same as H-127 H-1827 Same as H-127 H-1828 Same as H-127 H-1829 Same as H-127 H-1820 Same as H-127 H-1821 Same as H-204 H-1823 Same as H-127 H-1823 Same as H-127 H-1824 Same as H-127 H-1825 Same as H-127 H-1826 Same as H-127 H-1827 Same as H-127 H-1828 Same as H-127 H-1829 Same as H-127 H-1829 Same as H-127 H-1820 Same as H-127 H-1821 Same as H-204 H-1822 Same as H-127 H-1823 Same as H-127 H-1824 Same as H-127 H-1825 Same as H-127 H-1826 Same as H-127 H-1827 Same as H-127 H-1828 Same as H-127 H-1829 Same as H-127 H-1829 Same as H-127 H-1829 Same as H-127 H-1829 Same as H-127 H-1820 Same as H-127 H-1821 Same as H-127 H-1822 Same as H-127 H-1823 Same as H-127 H-1824 Same as H-127 H-1825 Same as H-127 H-1826 Same as H-127 H-1827 Same as H-127 H-1828 Same as H-127 H-1829 Same as H-127 H-1829 Same as H-127 H-1829 Same as H-127 H-1820 Same as H-127 H-1820 Same as H-127 H-1821 Same as H-128 H-1824 Same as H-128 H-1825 Same as H-128 H-1826 Same as H-128 H-1827 Same as H-128 H-1828 Same as H-128 H-1829 Same as H-128 H-1829 Same as H-128 H-1830 Same as H-128 H-1830 Same as H-128 H-1830 Same as H-128 H-1830 Same as H-128 H-1830 Same as H-128 H-1830 Same as H-128 H-1830 Same as H-128 H-1830 Same as H-128 H-1830 Same as H-127 H-1830 Same as H-128 H-1830 Same as H-127 H-1830 Same as H-127 H-1830 Same as H-127 H-1830 Same as H-127 H-1830 Same as H-127 H-1830 Same as H-128 H-1830 Same as H-127 H-1830 Same as H-127 H-1830 Same as H-128 H-1	H-1810	Same as H-1112	Locks 0-1773 to 0-1740						}						
H-1813 Same as H-1555	H- 1811	Same as H-105	Locks 0-1773 to 0-1740												
H-1814 Same as H-246 H-1823 CLAMP: steel; nickel ol; one #4-40 crew amployed: 21/32" OD x 1/3" ID x 29/64" ig o/a; accom 1/2" diam collar inckel pl; #4-40; 13/16" ig o/a; 3/4" ig threaded portion; 1/16" thk x 3/16" diam head H-1824 SCREW, machine: slot drive; Fill H, steel, nickel pl; #4-40; 13/16" ig o/a; 3/4" ig threaded portion; 1/16" thk x 3/16" diam head H-1825 Same as H-353 Holds 0-1793 to 0-1792 H-1826 Same as H-27 Holds 0-1793 to 0-1792 H-1827 Same as H-353 Holds 0-1795 to 0-1793 H-1828 Same as H-351 H-1829 Same as H-351 Locks 0-1801 to 0-1791 Locks 0-1801 to 0-1791 Locks 0-1801 to 0-1791 Locks 0-1801 to 0-1791 H-1830 Same as H-105 H-1833 Same as H-112 H-1838 SCREW, machine: slot drive; Hex H; steel, plortion 1/4" ig; head 5/32" across flats x 1/16" thk (Feplaces CTT #15287) H-1830 Same as H-204 H-1831 Same as H-204 H-1833 Same as H-127 H-1834 Same as H-127 H-1835 SCREW, machine: slot drive; Hex H; steel, plortion 1/4" ig; head 5/32" across flats to 1-1807 H-1836 Same as H-204 H-1837 Same as H-204 H-1837 Same as H-204 H-1837 Same as H-204 H-1838 Same as H-204 H-1839 Same as H-204 H-1830 Same as H-204 H-1830 Same as H-204 H-1830 Same as H-204 H-1830 Same as H-204 H-1830 Same as H-127 H-1830 Same as H-127 H-1830 Same as H-204 H-1831 Same as H-204 H-1833 Same as H-105 Locks 0-1801 to 0-1791 Locks 0-1801 to 0-1791 H-1830 Same as H-204 H-1830 Same as H-204 H-1835 SCREW, machine: slot drive; Hex H; steel, plortion 1/4" ig; head 5/32" across flats to 1-1807 H-1830 Same as H-204 H-1831 Same as H-204 H-1833 Same as H-204 H-1835 Same as H-204 H-1836 Same as H-204 H-1837 Same as H-204 H-1838 Same as H-204 H-1839 Same as H-204 H-1830 Same as H-204 H-1830 Same as H-204 H-1831 Same as H-204 H-1832 Same as H-204 H-1833 Same as H-204 H-1834 Same as H-205 Locks 0-1801 to 0-1791 Locks 0-1801 Same as H-204 H-1835 Same as H-204 H-1836 Same as H-204 H-1837 Same as H-204 H-1838 Same as H-204 H-1839 Same as H-204 H-1830 Same as H-204 H-1830 Same as H-205 H-1830	H-1812	Same as H-1329	Locks 0-1773 to 0-1740												
H-1823 CLAMP: steel; nickel pl; one #4-40 Steep Steel; nickel pl; one #4-40 Steep	H- 1813	Same as H-1555	Locks 0-1773 to 0-1740												-
Screw employed; 21/32" OD x 1/2" ID x 20/4" 3	H- 1814	Same as H-246													
H-1824 SCREW, machine: slot drive; Fil H; steet, in cb-1719 (if se equipped. Sche H-1825 and 0-1790 to 0-1719 (if se equipped. Sche H-1826) Same as H-353 Holds 0-1793 to 0-1792 Holds 0-1793 to 0-1792 Holds 0-1793 to 0-1792 Holds 0-1793 to 0-1792 Holds 0-1793 to 0-1792 Holds 0-1793 to 0-1792 Holds 0-1793 to 0-1792 Holds 0-1793 to 0-1792 Holds 0-1793 to 0-1792 Holds 0-1795 to 0-1793 Holds 0-1795 to 0-1791 Holds 0-1804 to 0-1804 Holds 0-1804 to 0-1804 Holds 0-1804 to 0-1804 to 0-1805 to 0-1807 Holds 0-1805 to 0-1807 Holds 0-1805 to 0-1807 Holds 0-1805 to 0-1807 Holds 0-1806, and 0-1808 Holds 0-1806, and 0-1808 to 0-1807 Holds 0-1806, and 0-1808 Holds 0-1806, and 0-1808 to 0-1807 Holds 0-1806, and 0-1808	H-1823	screw employed; 21/32" OD x 1/2" ID x	(If so equipped. See H-1485)			СТТ	153824	153824	H-1823		1	0	0		
H-1826 Same as H-127	H-1824	nickel pl; #4-40; 13/16" lg o/a; 3/4" lg threaded portion; 1/16" thk x 3/16" diam	Locks H-1823 and 0-1790 to 0-1791 (If so equipped. See H-1846)		350014-	СТТ	151689	151689		H-2154	11	0	0		
H-1827 Same as H-204 H-1828 Same as H-353 Holds 0-1795 to 0-1793 H-1829 Same as H-127 Holds 0-1795 to 0-1793 H-1830 Same as H-204 H-1831 Same as H-351 Locks 0-1801 to 0-1791 Locks 0-1801 to 0-1791 H-1832 Same as H-105 Locks 0-1801 to 0-1791 Locks 0-1801 to 0-1791 Locks 0-1801 to 0-1791 Locks 0-1801 to 0-1791 H-1835 SCREW, machine: slot drive; Hex H; steel, nickel pl; #4-40; 17/32" ig o/a; threaded portion 1/4" ig; head 5/32" across flats x 1/16" thk (Replaces CTT #152887) H-1836 Same as H-204 H-1837 Same as H-204 H-1837 Same as H-204 H-1838 Same as H-204 H-1839 Same as	H-1825	Same as H-353	Holds 0-1793 to 0-1792												
H-1828 Same as H-353	H-1826	Same as H-127	Holds 0-1793 to 0-1792												
H-1829 Same as H-127	H-1827	Same as H-204	Holds 0-1793 to 0-1792									İ			
H-1830 Same as H-204 H-1831 Same as H-351 Locks 0-1801 to 0-1791 H-1832 Same as H-105 Locks 0-1801 to 0-1791 Locks 0-1801 to 0-1791 H-1833 Same as H-105 Locks 0-1801 to 0-1791 Locks 0-1801 to 0-1791 H-1834 Same as H-112 Locks 0-1801 to 0-1791 H-1835 SCREW, machine: slot drive; Hex H; steel, nickel pl; #4-40; 17/32" lg o/a; threaded portion 1/4" lg; head 5/32" across flats x 1/16" thk (Replaces CTT #f52887) H-1836 Same as H-127 Holds 0-1802, 0-1803 0-1804, 0-1806, and 0-1808 to 0-1807 H-1837 Same as H-204 Holds 0-1802, 0-1803, 0-1808, and 0-1808 to 0-1807	H-1828	Same as H-353	Holds 0-1795 to 0-1793												
H-1831 Same as H-351 Locks 0-1801 to 0-1791 Locks 0-1801 to 0-1791 Locks 0-1801 to 0-1791 Locks 0-1801 to 0-1791 Locks 0-1801 to 0-1791 Locks 0-1801 to 0-1791 Locks 0-1801 to 0-1791 Locks 0-1801 to 0-1791 Locks 0-1801 to 0-1791 Locks 0-1801 to 0-1791 Locks 0-1801 to 0-1791 Locks 0-1801 to 0-1791 Locks 0-1801 to 0-1791 Locks 0-1801 to 0-1791 Locks 0-1801 to 0-1791 Locks 0-1801 to 0-1791 Locks 0-1801 to 0-1791 Locks 0-1801 to 0-1791 Locks 0-1803, 0-1804, 0-1808, and 0-1808 to 0-1807 N5305-514-7392 Holds 0-1802, 0-1803, 0-1804, 0-1806, and 0-1808 to 0-1807 Holds 0-1802, 0-1803, 0-1804, 0-1806, and 0-1808 to 0-1807	H-1829	Same as H-127	Holds 0-1795 to 0-1793												
H-1832 Same as H-105 H-1833 Same as H-105 Locks 0-1801 to 0-1791 Locks 0-1801 to 0-1791 Locks 0-1801 to 0-1791 Locks 0-1801 to 0-1791 Locks 0-1801 to 0-1791 Locks 0-1801 to 0-1791 Locks 0-1801 to 0-1791 Locks 0-1801 to 0-1791 CTT 155046 H-1835 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	H- 1830	Same as H-204	Holds 0-1795 to 0-1793												
H-1833 Same as H-105 H-1834 Same as H-112 Locks 0-1801 to 0-1791 H-1835 SCREW, machine: slot drive; Hex H; steel, nickei pl; #4-40; 17/32" lg o/a; threaded portion 1/4" lg; head 5/32" across flats x 1/16" thk (Replaces CTT #152887) H-1836 Same as H-127 Holds 0-1802, 0-1803, 0-1804, 0-1806, and 0-1808 to 0-1807 H-1837 Same as H-204 Holds 0-1802, 0-1803, 0-1804, 0-1806, and 0-1808 to 0-1807 Holds 0-1802, 0-1803, 0-1804, 0-1806, and 0-1808 to 0-1807	H- 1831	Same as H-351	Locks 0-1801 to 0-1791												
H-1834 Same as H-112 H-1835 SCREW, machine: slot drive; Hex H; steel, nickel pl; #4-40; 17/32" lg o/a; threaded portion 1/4" lg; head 5/32" across flats x 1/16" thk (Replaces CTT #152887) H-1836 Same as H-127 H-1837 Same as H-204 Locks 0-1801 to 0-1791 Holds 0-1803, 0-1803, 0-1804, 0-1806, and 0-1808 to 0-1807 Holds 0-1802, 0-1803, 0-1804, 0-1806, and 0-1808 to 0-1807 Holds 0-1802, 0-1803, 0-1804, 0-1806, and 0-1808 to 0-1807	H-1832	Same as H-105	Locks 0-1801 to 0-1791		,										İ
H-1835 SCREW, machine: slot drive; Hex H; steel, nickél pl; #4-40; 17/32" lg o/a; threaded portion 1/4" lg; head 5/32" across flats x 1/16" thk (Replaces CTT #152887) H-1836 Same as H-127 Holds 0-1802, 0-1803, 0-1804, 0-1808 to 0-1807 H-1837 Same as H-204 Holds 0-1802, 0-1803, 0-1804, 0-1808, and 0-1808 to 0-1807 H-1837 Same as H-204 Holds 0-1802, 0-1803, 0-1804, 0-1806, and 0-1808 to 0-1807	H-1833	Same as H-105	Locks 0-1801 to 0-1791												
nickel pl; #4-40; 17/32" lg o/a; threaded portion 1/4" lg; head 5/32" across flats x 1/16" thk (Replaces CTT #152887) H-1836 Same as H-127 Holds 0-1802, 0-1803 0-1804, 0-1806, and 0-1808 to 0-1807 H-1837 Same as H-204 Holds 0-1802, 0-1803 0-1804, 0-1806, and 0-1808 to 0-1807	H- 1834	Same as H-112	Locks 0-1801 to 0-1791												
H-1837 Same as H-204	H-1835	nickél pl; #4-40; 17/32" lg o/a; threaded portion 1/4" lg; head 5/32" across flats	0-1804, 0-1806, and 0-1808 to 0-1807			СТТ	155046	155046	H-1835		2	0	0		
0-1804, 0-1806, and 0-1808 to 0-1807	н- 1836	Same as H-127	0-1804, 0-1806, and 0-1808												
H-1838 Same as H-353 Holds 0-1809 to 0-1808	H- 1837	Same as H-204	0-1804, 0-1806, and 0-1808												
	H- 1838	Same as H-353	Holds 0-1809 to 0-1808												
												L			

TABLE 8-4. COMBINED PARTS AND SPARE PARTS LIS	RTS LIST
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		PARTS								SI	PARE	E PA	RTS
SYMBOL	NAME OF PART	FUNCTION	JAN OR NAVY TYPE	STANDARD NAVY	TL	NUFAC- RERS	TELETYPE	ALL SYMBOL DESIGNATIONS	S S			_	оск
DESIG.	AND DESCRIPTION	AND FEDERAL STOCK NUMBER	DESIGNATION	STOCK NUMBER	CODE	DESIG.	PART NO.	INVOLVED	TOTAL NO.	ě	OC AR.	š	OUAN.
H-1839	Same as H-127	Holds 0-1809 to 0-1808											
H-1840	Same as H-204	Holds 0-1809 to 0-1808											
H- 1841	Same as H-1112	Locks 0-1816 to 0-1791											
I- 1842	Same as H-105	Locks 0-1816 to 0-1791											
H-1843	Same as H-265	Holds 0-1818 and H-1525 to A-1389											
I- 1844	Same as H-105	Holds 0-1818 and H-1525 to A-1389											
Ĥ- 1845	CLAMP: bearing and collar; steel; nickel pl; one screw employed; approx 5/8" OD x 1/2" lg o/a; accom approx 15/32" diam material; 2 sides cutout in back of face	Clamps 0-1819 to 0-1791 (If so equipped. See H-1823) N5815-370-1485		N17-T 350015- 0344	СТТ	152455	152455	н- 1845	1	0	0		
H- 1846	Same as H-176	Locks H-1845 and 0-1819 to 0-1791 (If so equipped. See H-1824)	·										
H- 1847	Same as H-127	Locks H-1845 and 0-1819 or H-1823 and 0-1790 to 0-1791											
H- 1848	SCREW, machine: slot or wrench drive; Hex H; steel, nickel pl; #4-40; 1/2" lg o/a; 7/16" lg threaded portion; head 1/16" thk x 5/32" across flats	Holds symbols 0-1822 through 0-1826 to 0-1827 N5815-318-5039		N17-T 350016- 0400	СТТ	152888	152888	Н-1848	2	1	4		
I- 1849	Same as H-127	Holds symbols 0-1822 through 0-1826 to 0-1827											
H- 1850	Same as H-204	Holds symbols 0-1822 through 0-1826 to 0-1827											
H- 1851	Same as H-353	Holds 0-1828 to 0-1827											
I- 1852	Same as H-127	Holds 0-1828 to 0-1827											
H- 1853	Same as H-204	Holds 0-1828 to 0-1827											
I- 1854	Same as H-1112	Locks 0-1839 to 0-1791										-	
I - 1855	Same as H-105	Locks 0-1839 to 0-1791	1										
I- 1856	Same as H-1370	Holds 0-1840 to 0-1841											

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H- 1857	Same as H-105	Holds 0-1840 to 0-1841										
H- 1858	Same as H-351	Locks 0-1841 to 0-1791										
н- 1859	Same as H-105	Locks 0-1841 to 0-1791	i									
н- 1860	Same as H-1370	Holds 0-1842 to 0-1841										
н- 1861	Same as H- 105	Holds 0-1842 to 0-1841										
н- 1862	Same as H- 104	Locks 0-1843 to 0-1791										
H-1863	Same as H-105	Locks 0-1843 to 0-1791										
H- 1864	SCREW, machine: slot drive; Hex H; steel, nickel pl; #4-40; 9/16" lg o/a; 1/2" lg threaded portion; head 1/16" thk x 5/32" across flats	Holds symbols 0-1844 through 0-1847 to 0-1848 N5815-333-2580	N17-T 350016- 0399	СТТ	152887	152887	H-1864,	н-1877	4	1	8	
н- 1866	WASHER, curved: steel, black oxide finish; round, 1-1/16" OD, 9/16" ID w/2 flats, 0.050" thk material; curved on 5-45/64" rad, 2 mtg holes on 47/64" mtg/c	Holds symbols 0-1844 through 0-1847 to 0-1848 N5815-370-1260	N17-T 350015- 0105	СТТ	151794	151794	н-1866,	н-1879	2	0	0	
н- 1867	Same as H-353	Holds 0-1849 to 0-1848										
н- 1868	Same as H-127	Holds 0-1849 to 0-1848										
н- 1869	Same as H-204	Holds 0-1849 to 0-1848										
H- 1870	Same as H-1112	Locks 0-1860 to 0-1791										
н- 1871	Same as H-105	Locks 0-1860 to 0-1791										
H- 1872	CLAMP: ball bearing; steel; nickel pl; 2 screws employed; approx 2-1/16" lg x 1-11/16" wd x 0.095" thk o/a; accom approx 1-1/8" diam material	Clamps 0-1861 to A-1391 N5815-370-1503	N17-T 350015- 0362	СТТ	152537	152537	H-1872		1	0	0	
H- 1873	Same as H-265	Holds H-1872 to A-1391										
н- 1874	Same as H-105	Holds H-1872 to A-1391										
H- 1875	Same as H-176	Locks 0-1861 to 0-1791										
H- 1876	Same as H-127	Locks 0-1861 to 0-1791										
н- 1877	Same as H-1864	Holds symbols 0-1862 through 0-1865 to 0-1866										
н- 1879	Same as H-1866	Holds symbols 0-1862 through 0-1865 to 0-1866						•				
H- 1880	Same as H-353	Holds 0-1867 to 0-1866										
H- 1881	Same as H-127	Holds 0-1867 to 0-1866										
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TABLE O II COMBINED TAKES AND STAKES LIST	TABLE 8-4.	COMBINED	PARTS A	AND	SPARE	PARTS	LIST
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		PARTS								SF	ARE	PA	PTS
SYMBOL DESIG.	NAME OF PART AND	FUNCTION AND	JAN OR NAVY TYPE	STANDARD NAVY STOCK	TU	NUFAC- JRERS	TELETYPE PART NO.	ALL SYMBOL DESIGNATIONS	TOTAL NO.	EQ	UIP.	STO	оск
	DESCRIPTION	FEDERAL STOCK NUMBER	DESIGNATION	NUMBER	30 OE	DESIG.		INVOLVED	7 A	BOX	OUAN.	BOX	OUAN.
н- 1882	Same as H-204	Holds 0-1867 to 0-1866				,							
I- 1883	Same as H-1112	Locks 0-1878 to 0-1791		,									
1- 1884	Same as H-105	Locks 0-1878 to 0-1791											
I- 1885	STUD, eccentric: steel, nickel pl; approx 11/16" lg x 5/16" across flats o/a; shank end threaded 3/16" lg w/#6-40 thd; slot next to hex shoulder, drive slot across end of body	Pivot for 0-1879 N5815-370-0972		N17-T 350014- 0640	СТТ	150364	150364	H-1885	1	1	1		
H- 1886	Same as H-105	Holds H-1885 to A-1376											
H- 1887	Same as H-112	Holds H-1885 to A-1376											
H- 1888	Same as H-126	Holds 0-1882 to 0-1881											
H- 1889	Same as H-127	Holds 0-1882 to 0-1881								1			
H- 1890	Same as H-415	Holds 0-1883 to 0-1881							İ				
I- 1891	Same as H-127	Holds 0-1883 to 0-1881											
I- 1892	Same as H-204	Holds 0-1883 to 0-1881											
I- 1893	Same as H-353	Holds 0-1884 to 0-1883											
I- 1894	Same as H-127	Holds 0-1884 to 0-1883											
I- 1895	Same as H- 204	Holds 0-1884 to 0-1883							i				
I- 1896	Same as H-1112	Locks 0-1891 to 0-1791											
I- 1897	Same as H-105	Locks 0-1891 to 0-1791											
I- 1907	NUT, hexagon: steel, nickel pl; #4-40; 1/16" thk; 3/16" across flats	Holds H-1908 to A-1368 N5310-514-7394			СТТ	151880	151880	H-1907, H-1923	3	0	0		
I- 1908	SCREW, adjustment: steel, nickel pl	Adjusts a lignment of 0-1943			СТТ	153532	153532	H- 1908	1	0	0		
I- 1909	Same as H-290	Locks arm of A-1370 in adjusted position (If so equipped. See H-1915)											
I- 1910	Same as H-246	Retains 0-1905 to A-1369 or A-1370											
I- 1911	Same as H-337	Retains 0-1905 to 0-1705											

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н- 1912	Same as H-803	Retains 0-1918 on 0-1922											
H- 1915	Same as H-192	Locks arm of A-1370 in adjusted position (If so equipped. See H-1909)											
H-1916	Same as H-127	Locks arm of A-1370 in adjusted position (If so equipped. See H-1909)											
H-1917	Same as H-183	Locks arm of A-1370 in adjusted position (If so equipped. See H-1909)				-							
H- 1918	Same as H-321	Holds 0-1907 to A-1370 or 0-1904 to A-1369											
H- 1919	Same as H-322	Holds 0-1907 to A-1370 (If so equipped, See A-1368)											
H-1920	NUT, hexagon: steel, nickel pl; #2-56; approx 1/16" thk o/a; 3/16" across flats	Holds 0-1907 to A-1370 (If so equipped. See A-1368) N5815-369-9147		N17-T 350004- 0695	СТТ	112627	112627	H- 1920		2	1	2	
H-1921	Same as H-518	Holds 0-1908, 0-1911 and 0-1912 to A-1369 or A-1370											
H-1922	Same as H-127	Holds 0-1908, 0-1911, and 0-1912 to A-1369 or A-1370						1					
H- 1923	Same as H-1907	Holds 0-1908, 0-1911, and 0-1912 to A-1369 or A-1370											
H-1924	Same as H-415	Holds 0-1913, 0-1916, and 0-1917 to A-1369 or A-1370											
H- 1925	Same as H-127	Holds 0-1913, 0-1916, and 0-1917 to A-1369 or A-1370											
H- 1926	Same as H-212	Holds 0-1913, 0-1916, and 0-1917 to A-1369 or A-1370											
H-1927	Same as H-113	Holds A-1371 to 0-1918								-		.	
H- 1928	Same as H-112	Holds A-1371 to 0-1918	1										
H- 1929	Same as H-113	Holds A-1371 to 0-1998											
н- 1930	SCREW, machine: slot or wrench drive; Hex H; steel, nickel pl; #6-40; approx 19/32" lg o/a; 1/4" lg threaded portion; head 1/16" thk x 5/16" across flats; shoulder 3/32" lg x 5/32" diam	Holds 0-1919 and 0-1920 to A-1389 and retains 0-1918 on 0-1919 N5815-370-0991		N17-T 350014- 0659	СТТ	150395	150395	Н-1930, Н-19	76	2	1	1	
H- 1931	Same as H-105	Holds 0-1919 and 0-1920 to A-1389											
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. 1		PARTS			- AA A I	NUFAC-		T	T	<u> </u>	PARE	Ė	
SYMBOL DESIG.	NAME OF PART AND DESCRIPTION	FUNCTION AND FEDERAL STOCK NUMBER	JAN OR NAVY TYPE DESIGNATION	STANDARD NAVY STOCK NUMBER		DESIG.	TELETYPE PART NO.	ALL SYMBOL DESIGNATIONS INVOLVED	TOTAL NO. PER EQUIP.	EQ XO8	UIP.	STO X Q	OCK NAU
H- 1932	Same as H-112	Holds 0-1919 and 0-1920 to A-1389											
н-1933	Same as H-1112	Holds 0-1922, 0-1923 and 0-1924 to A-1389											
н-1934	Same as H-105	Holds 0-1922, 0-1923 and 0-1924 to A-1389											
н- 1935	Same as H-112	Holds 0-1922, 0-1923 and 0-1924 to A-1389											
н- 1936	Same as H-158	Retains 0-1918 on 0-1928											
н- 1937	Same as H-1697	Holds A-1372 to 0-2017											
н- 1938	Same as H-105	Holds A-1372 to 0-2017											
н- 1939	STUD: steel, nickel pl; approx 17/32" lg x 5/16" across flats o/a; one end threaded 3/16" lg w/#6-40 thd, eccentric shank w/ slot other end	Pivot for 0-1933 N5815-370-1008		N17-T 350014- 0676	стт 	150429	150429	Н-1939, Н-1984	2	1	1		
H-1940	Same as H-105	Holds H-1939 to A-1372											
H-1941	Same as H-112	Holds H-1939 to A-1372											
H- 1942	Same as H-246	Retains 0-1929 and 0-1930 on 0-1928											
I- 1943	Same as H-246	Retains 0-1929 on A-1318	<u> </u>										
H-1944	Same as H-246	Retains 0-1928 on 0-1933											
H-1945	Same as H-117	Holds 0-1931 and 0-1932 to 0-1928											
i-1946	WASHER, flat: CHS; round, 3/8" OD x 9/64" ID x 0.065" thk o/a (Replaces CTT 125015)	Retains 0-1931 on 0-1932 N5815-412-7185		N17-T 350009-	СТТ	90432	90432	H-1946, H-1995	2	0	0		
H- 1947	Same as H-168	Holds 0-1931 and 0-1932 to 0-1928		0855									
H- 1948	Same as H-105	Holds 0-1931 and 0-1932 to 0-1928											
ł- 1949	Same as H-112	Holds 0-1931 and 0-1932 to 0-1928											
1-1950	Same as H-246	Retains 0-1928 on H-1952	[1	1				1	I	l	l	I

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н- 1951	Same as H-246	Retains 0-1933 on H-1939											
Н- 1952	STUD: steel, nickel pl; approx 3/4" lg x 5/16" across flats o/a; one end threaded 3/16" lg w/#10-32 thd; neck and slot around other end	Pivot for 0-1928 N5815-370-0984		N17-T 350014- 0652	СТТ	150380	150380	H-1952	1	1	1		
н- 1953	Same as H-222	Holds H-1952 to A-1389											
H- 1954	Same as H-232	Holds H-1952 to A-1389											- 1
Н- 1955	Same as H-415	Holds 0-1935 and 0-1936 to 0-1937											
н- 1956	Same as H-127	Holds 0-1935 and 0-1936 to 0-1937											
н- 1957	Same as H-183	Holds 0-1935 and 0-1936 to 0-1937											
H-1958	Same as H-265	Holds 0-1938 to A-1389	-										
н- 1959	Same as H-105	Holds 0-1938 to A-1389											
H- 1960	Same as H-113	Holds 0-1941 to A-1389											l
н- 1961	Same as H-105	Holds 0-1941 to A-1389											į
H- 1962	Same as H-113	Holds A-1373 to A-1389											
н- 1963	Same as H-105	Holds A-1373 to A-1389											
Н-1964	SCREW, machine: wrench drive; Hex H; SS; #4-40; approx 1/4" lg o/a; 3/16" lg threaded portion; head 1/16" thk x 3/16" across flats; "RN" stamped in head	Holds A-1374 to A-1375 and identifies type arrangement N5815-370-1187		N17-T 350014- 0910	СТТ	151738 RN	151738 RN	H-1964	1	0	0		
H- 1965	Same as H-126	Holds A-1374 to A-1375											Ī
H- 1966	Same as H-127	Holds A-1374 to A-1375								l	-		ı
H- 1967	Same as H-183	Holds A-1374 to A-1375											
H- 1968	NUT, shoulder: SS; #4-40; approx 5/32" thk o/a; 1/4" across flats; c/o hex head, shoulder and shank	Locks A-1374 to A-1375 N5815-370-0470		N17-T 350014- 0121	СТТ	150078	150078	H-1968	1	1	1		
Н- 1969	STUD: SS; approx 13/32" lg x 1/4" across flats o/a; short shanked end threaded 3/16" deep w/#4-40 thd	Locks A-1374 to A-1375 and handle for removing and guide for positioning type box N5815-370-0360		N17-T 350013- 0910	СТТ	150079	150079	н- 1969	1	1	1		
H- 1970	Same as H-112	Holds A-1371 to 0-1998											
н- 1971	CLAMP: bearing; steel; nickel pl; mts by 2 screws; approx 1-15/32" h x 1-1/8" wd x 3/32" thk o/a; accom approx 1" diam bearing	Clamps 0-1997 to A-1391 N5815-370-1727		N17-T 350015- 0598	СТТ	152589	152589	н- 1971	1	0	0		

		PARTS								SF	ARE	PA	RTS
SYMBOL	NAME OF PART AND	FUNCTION AND	JAN OR NAVY TYPE	STANDARD NAVY	TL	NUFAC- JRERS	TELETYPE	ALL SYMBOL DESIGNATIONS	2 K		UIP.		оск
DESIG.	DESCRIPTION	FEDERAL STOCK NUMBER	DESIGNATION	STOCK NUMBER	COD	DESIG.	PART NO.	INVOLVED	PER EQ	ğ	DUAN.	NOW	OC.
H- 1972	CLAMP: bearing; steel; nickel pl; mts by 2 screws; approx 3/4" lg x 11/16" h x 1/8" wd o/a, 0.035" thk material; accom approx 1" diam bearing; irregularly formed, cutout one side	Clamps H-1971 and 0-1997 to A-1391 N5815-370-1722		N17-T 350015- 0593	СТТ	152550	152550	н-1972	1	0	0	·	
н- 1973	Same as H-117	Holds H-1971, H-1972 and H-1975 to A-1391											
H- 1974	Same as H-105	Holds H-1971, H-1972 and H-1975 to A-1391											
н- 1975	CLAMP: bearing; steel; nickel pl; approx 3/4" lg x 11/16" h x 1/8" wd o/a, 0.065" thk material; accom approx 1" diam bearing; upper half formed w/curved cutout at top, 2 tapped mtg holes in lower half	Clamps 0-1997 to A-1391 N5815-370-0996		N17-T 350014- 0664	СТТ	150 4 01	150401	н-1975	1	0	0		
н- 1976	Same as H-1930	Holds 0-1999 and 0-2002 to A-1391 and retains 0-1998 on 0-1999											
H- 1977	Same as H-105	Holds 0-1999 and 0-2002 to A-1391											
H- 1978	Same as H-112	Holds 0-1999 and 0-2002 to A-1391											
н- 1979	Same as H-270	Holds 0-2000, 0-2001 and 0-2002 to A-1391											
H-1980	Same as H-105	Holds 0-2000, 0-2001 and 0-2002 to A-1391											
H- 1981	Same as H-112	Holds 0-2000, 0-2001 and 0-2002 to A-1391											
н- 1982	Same as H-158	Retains 0-2007 on 0-1998											
H- 1983	Same as H-246	Retains 0-2007 on 0-2006											
H- 1984	Same as H-1939	Pivot for 0-2006											
H- 1985	Same as H-105	Holds H-1984 to A-1376								1			
H- 1986	Same as H-112	Holds H-1984 to A-1376											
H- 1987	Same as H-246	Retains 0-2006 on H-1984											
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н- 1988	STUD: steel, nickel pl; approx $19/32$ " lg x $5/16$ " across flats $0/a$; one end threaded $3/16$ " lg w/#10-32 thd; other end has neck and slot	Pivot for 0-2007 N5815-370-0998	N17-T 350014- 0666	СТТ	150410	150410	H-1988		1	1	1		
н- 1989	Same as H-222	Holds H-1988 to A-1391											
H- 1990	Same as H-232	Holds H-1988 to A-1391											ĺ
H- 1991	Same as H-246	Retains 0-2007 on H-1988											l
н- 1992	Same as H-246	Retains 0-2009 on 0-2007											l
н- 1993	Same as H-246	Retains 0-2009 on A-1310											
H- 1994	Same as H-1697	Holds 0-2010 and 0-2011 to 0-2007		-									
н- 1995	Same as H-1946	Retains 0-2011 on 0-2010											
н- 1996	Same as H-168	Holds 0-2010 and 0-2011 to 0-2007											
н- 1997	Same as H-105	Holds 0-2010 and 0-2011 to 0-2007											
н- 1998	Same as H-112	Holds 0-2010 and 0-2011 to 0-2007											
н- 1999	Same as H-1697	Holds A-1376 to 0-2017											
H- 2000	Same as H-105	Holds A-1376 to 0-2017											ĺ
н- 2001	Same as H-168	Holds A-1376 to 0-2017								l			ļ
н- 2002	Same as H-246	Retains 0-2012 and 0-2013 or A-1391											
H-2003	Same as H-192	Holds 0-2015 to 0-2014											l
H-2004	Same as H-127	Holds 0-2015 to 0-2014											ĺ
H- 2005	Same as H-183	Holds 0-2015 to 0-2014											ĺ
H-2006	Same as H-1548	Holds 0-2018 to 0-2017								Ì			l
H-2007	Same as H-127	Holds 0-2018 to 0-2017								l			l
H-2008	Same as H-183	Holds 0-2018 to 0-2017											
H-2009	SCREW, machine: slot drive; Hex H; steel, nickel pl; #6-40; 5/8" lg o/a; threaded portion 9/16" lg; head 1/4" across flats x 1/16" thk	Holds A-1349 to 0-2017		CTT	153841	153841	H-2009,	H-2071	2	0	0		
H-2010	Same as H-105	Holds A-1349 to 0-2017							-				
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		PARTS								SF	PARE	PA	RTS
YMBOL	NAME OF PART	FUNCTION	JAN OR	STANDARD		NUFAC- IRERS	TELETYPE	ALL SYMBOL DESIGNATIONS	5 5	EQ	UIP.	STO	оск
DESIG.	AND DESCRIPTION	AND FEDERAL STOCK NUMBER	NAVY TYPE DESIGNATION	STOCK NUMBER	CODE	DESIG.	PART NO.	INVOLVED	TOTAL NO. PER EQUIP.	BOX	OU AN.	š	OU AN.
I- 202 0	Same as H-104	Holds 0-2030 and 0-2031 to 0-2028											
- 2021	Same as H-105	Holds 0-2030 and 0-2031 to 0-2028											
- 2022	Same as H-104	Locks 0-2033 on 0-2028											
- 2023	Same as H-105	Locks 0-2033 on 0-2028											
- 2024	SCREW, machine: slot drive; flat Fil H; steel, nickel pl; #6-40; approx 1-1/4" lg o/a; 9/32" lg threaded portion; 3/16" thk x 9/32" diam head; 3/16" diam x 3/4" lg shoulder	Shaft for 0-2034 and holds 0-2035, 0-2036 and 0-2037 to A-1391 N5815-370-0666		N17-T 350014- 0330	СТТ	150912	150912	H-2024	1	0	0		
- 2025	Same as H-105	Holds 0-2035, 0-2036 and 0-2037 to A-1391					•						
I - 2026	Same as H-112	Holds 0-2035, 0-2036 and 0-2037, to A-1391	,										
(- 2027	Same as H-417	Holds 0-2034 to 0-2035											
I- 20 2 8	Same as H-127	Holds 0-2034 to 0-2035											
I- 2029	SCREW, machine: slot or wrench drive; Hex H; steel, nickel pl; #6-40; approx 15/32" lg o/a; 5/32" lg threaded portion; head 3/32" thk x 5/16" across flats; shoulder 1/16" lg x 7/32" diam	Shaft for and holds 0-2039 and H-2030 to A-1391 N5815-370-0958		N17-T 350014- 0626	СТТ	150342	150342	H-2029	1	1	1		
I- 2030	WASHER, flat: steel, nickel pl; round approx 5/16" OD x 5/32" ID x 0.060" thk o/a	Retains 0-2039 on shoulder of H-2029 N5310-391-9735		N17-T 350013- 0200	СТТ	74722	74722	н- 2030	1	0	0		
I-2031	Same as H-105	Holds 0-2039 and H-2030 to A-1391											
I - 2032	Same as H-112	Holds 0-2039 and H-2030 to A-1391											
I - 2033	SCREW, machine: slot drive; FH; steel, nickel pl; #6-40; approx 1/4" lg o/a; threaded portion 1/8" lg; head 1/16" lg x 5/16" diam; shoulder 1/16" lg x 3/16" diam	Pivot for and holds 0-2040 to A-1391 N5815-370-0539		N17-T 350014- 0190	стт	150646	150646	н-2033	1	1	1.		

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H-2034	STUD: steel, nickel pl; approx $13/16$ " lg x $5/16$ " diam o/a; shoulder end threaded $1/4$ " deep $w/\#6-40$ thd, drive slot and body slot other end	Shaft for 0-2048 N5815-370-0446		N17-T 350013- 0996	СТТ	150318	150318	H-2034	1	0	0	
H- 2035	Same as H-113	Holds H-2034 to A-1391										
H-2036	Same as H-105	Holds H-2034 to A-1391										
H-2037	SCREW, machine: slot drive; FH; steel, nickel pl; #4-40; approx 5/8" lg o/a; threaded portion 1/4" lg; head 1/16" lg x 5/32" diam	Locks 0-2042, 0-2044, 0-2045, 0-2047 and 0-2048 to 0-2049 N5815-370-0379		N17-T 350013- 0929	СТТ	150652	150652	H-2037	2	1	2	
H-2038	Same as H-127	Locks 0-2042, 0-2044, 0-2045, 0-2047 and 0-2048 to 0-2049										
H-2039	Same as H-1355	Retains 0-2048 on H-2034									*	
H-2040	SCREW, machine: slot drive; flat Fil H; steel, nickel pl; #4-40; 7/32" lg; threaded portion 5/32" lg; head 1/16" lg x 11/64" diam	Holds 0-2050 to A-1391 N5815-318-5368		N17-T 350017- 0520	СТТ	151073	151073	H-2040, H-2042	3	0	0	
H-2041	Same as H-127	Holds 0-2050 to A-1391										
H-2042	Same as H-2040	Holds 0-2051 to A-1389										
H-2043	Same as H-127	Holds 0-2051 to A-1389	,									
H- 2044	Same as H-192	Holds H-2046, H-2047 and 0-2051 to A-1389										
H-2045	Same as H-127	Holds H-2046, H-2047 and 0-2051 to A-1389										
H-2046	Same as H-1667	Guide and stop for 0-2129										
H-2047	Same as H-183	Spaces H-2046 from 0-2051										
H- 2048	Same as H-1787	Holds 0-2053 to A-1389				ř						
H-2049	Same as H-1788	Holds 0-2053 to A-1389										
H-2050	Same as H-1787	Holds 0-2055 to A-1391										
H- 2051	Same as H-1788	Holds 0-2055 to A-1391										
H-2052	SCREW, machine: slot drive; FH; steel, nickel pl; #6-40; approx 7/16" lg o/a; 9/32" lg threaded portion incl slot; head 3/32" thk x 1/4" diam; shoulder 1/16" lg x 3/16" diam	Pivot for and holds 0-2057 and 0-2058 to 0-2061 N5815-448-1350		N17-T 350013- 0106	СТТ	1196	1196	H-2052	2	1	1	
H-2053	Same as H-105	Holds 0-2057 and 0-2058 to 0-2061										
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		PARTS							SF	PARE	PA	RTS
SYMBOL DESIG.	NAME OF PART AND DESCRIPTION	FUNCTION AND FEDERAL STOCK NUMBER	JAN OR NAVY TYPE DESIGNATION	STANDARD NAVY STOCK NUMBER	NUFAC- IRERS DESIG.	TELETYPE PART NO.	ALL SYMBOL DESIGNATIONS INVOLVED	TOTAL NO. PER EQUIP.		ON AN	ST X On	S A A
I - 2054	Same as H-112	Holds 0-2057 and 0-2058 to 0-2061										
- 2055	Same as H-1576	Pivot for and connects 0-1821 to 0-2052		:								
I-2056	Same as H-105	Holds 0-2055 to 0-2052										
I- 2057	Same as H-112	Holds 0-2055 to 0-2052										
I - 2058	Same as H-126	Holds 0-2062 to 0-2061										
I-2 059	Same as H-127	Holds 0-2062 to 0-2061									Ì	
I- 2 060	Same as H-183	Holds 0-2062 to 0-2061										
I- 2061	Same as H-119	Holds 0-2063 to A-1389										
I-2062	Same as H-105	Holds 0-2063 to A-1389										
I- 2063	Same as H-119	Holds 0-2064 to A-1391	1									
I- 2 064	Same as H-105	Holds 0-2064 to A-1391	1								ļ	
I- 2 065	Same as H-415	Locks 0-2065 in 0-2063 and 0-2064										
I- 2066	Same as H-127	Locks 0-2065 in 0-2063 and 0-2064						1				
I - 2067	Same as H-793	Holds 0-2067 to A-1389						Ì				
H- 2 068	Same as H-222	Holds 0-2067 to A-1389										
H-2069	Same as H-793	Holds 0-2067 to A-1391										
H- 207 0	Same as H-222	Holds 0-2067 to A-1391										
H- 207 1	Same as H-2009	Holds H-2075, 0-2068, and 0-2070 to A-1389										
I-2072	Same as H-105	Holds H-2075, 0-2068 and 0-2070 to A-1389										
I-2073	Same as H-104	Holds 0-2068 to A-1389										
H-2074	Same as H-105	Holds 0-2068 to A-1389										

8-103

H- 2075	Same as H-803	Retains 0-2070 on 0-2071 and 0-2072			1								
H- 2076	Same as H-1552	Holds H-2080, 0-2073 and 0-2075 to A-1391											
H-2077	Same as H-105	Holds H-2080, 0-2073 and 0-2075 to A-1391											
H-2078	Same as H-104	Holds 0-2073 to A-1391											1
H- 2079	Same as H-105	Holds 0-2073 to A-1391										l	
H-2080	Same as H-803	Retains 0-2075 on 0-2076		1									- }
H- 2087	Same as H-104	Holds A-1379 to 0-2093											ł
H- 2088	Same as H-105	Holds A-1379 to 0-2093											
H-2089	Same as H-112	Holds A-1379 to 0-2093											- 1
H-2090	Same as H-265	Holds 0-2086 to A-1379											
H- 2091	Same as H-105	Holds 0-2086 to A-1379	-										
H-2092	Same as H-168	Holds 0-2086 to A-1379 at large hole											
H-2093	STUD: steel; approx $3/8$ " lg x $3/16$ " diam o/a; one end threaded $5/32$ " lg w/#6-40 thd; drive slot across other end	Pivot for 0-2089 N5815-370-0622	N17-T 350014- 0274	СТТ	150781	150781	н-2093,	H-2096	2	0	0		
H- 2094	Same as H-105	Holds H-2093 to A-1389											
H- 2095	Same as H-112	Holds H-2093 to A-1389											
H-2096	Same as H-2093	Pivot for 0-2089										j	
H- 2097	Same as H-105	Holds H-2093 to A-1391								j			1
H-2098	Same as H-112	Holds H-2093 to A-1391											
H-2099	Same as H-113	Holds 0-2093 to A-1389											
H-2100	Same as H-105	Holds 0-2093 to A-1389											
H-2101	Same as H-113	Holds 0-2093 to A-1391											
H-2102	Same as H-105	Holds 0-2093 to A-1391											l
H-2103	Same as H-113	Holds A-1380 to 0-2093											
H-2104	Same as H-105	Holds A-1380 to 0-2093											
H-2105	Same as H-113	Holds A-1381 to 0-2093										Ì	
H-2106	Same as H-105	Holds A-1381 to 0-2093											.
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		PARTS	<u></u>							SF	PARE	PA	RTS
YMBOL DESIG.	NAME OF PART AND DESCRIPTION	FUNCTION AND FEDERAL STOCK NUMBER	JAN OR NAVY TYPE DESIGNATION	STANDARD NAVY STOCK NUMBER		NUFAC- RERS DESIG.	TELETYPE PART NO.	ALL SYMBOL DESIGNATIONS INVOLVED	TOTAL NO. PER EQUIP.	BOX BOX	UIP.	STC X Q	OCK .
I- 2107	Same as H-113	Holds A-1382 to 0-2093		-	_ <u></u>				-	_			
I-2108	Same as H-105	Holds A-1382 to 0-2093											
- 2109	Same as H-803	Retainer and guide for 0-2094											
I-2110	Same as H-337	Retains 0-2094 and H-2109 on A-1381											
I-2111	Same as H-113	Holds A-1380 to A-1389											
I-2112	Same as H-105	Holds A-1380 to A-1389											
I-2113	STUD: steel, nickel pl; approx 1-3/4" Ig x 5/16" across flats o/a; one end threaded 3/16" Ig w/#6-40 thd; shoulder and shank w/slot and 2 grooves on other end	Pivot for 0-2099 N5815-370-0483		N17-T 350014- 0134	СТТ	150214	150214	H-2113	1	0	0		
I-2114	Same as H-105	Holds H-2113 to A-1381											
I-2115	Same as H-112	Holds H-2113 to A-1381											
I-211 6	Same as H-246	Retains 0-2099 and 0-2100 or H-2113											
I-2117	Same as H-246	Retains 0-2102 and 0-2103 on A-1381											
- 2118	Same as H-246	Retains 0-2104 on A-1382											
I-2119	Same as H-158	Retains 0-2106 in position on A-1382											
I- 2120	Same as H-246	Retains 0-2108 and 0-2111 on A-1381		ı									
I- 2121	Same as H-158	Retains 0-2107 on 0-2016	[
I- 2122	Same as H-337	Retains 0-2112 and 0-2113 to 0-2108											
- 2123	Same as H-119	Holds A-1383 to A-1391											
-2124	Same as H-105	Holds A-1383 to A-1391											
- 2125	Same as H-113	Holds 0-2115 to A-1381											
- 2126	Same as H-105	Holds 0-2115 to A-1381	1										

H-2127	Same as H-113	Holds 0-2115 to A-1389		ľ			1				
H-2128	Same as H-105	Holds 0-2115 to A-1389		-							
H-2129	Same as H-1355	Retains symbols 0-2116 through 0-2120 on one side of 0-2115									
н-2130	Same as H-265	Holds 0-2118 to 0-2116									
H-2131	Same as H-105	Holds 0-2118 to 0-2116									
н- 2132	Same as H-168	Holds 0-2118 to 0-2116									
H-2133	SCREW, set: slot drive; headless; steel, nickel pl, special hardness; #6-40; 1/8" lg; cup point	Locks 0-2123 on 0-2122 N5815-448-3780	N17-T 350001- 0689	СТТ	73894	73894	H-2133	4	0	0	
H-2134	Same as H-518	Holds 0-2124 and 0-2125 to A-1389 and A-1391									
H-2135	Same as H-127	Holds 0-2124 and 0-2125 to A-1389 and A-1391									
H-2136	Same as H-183	Retains 0-2124 on 0-2125					<u>.</u>				
H-2137	Same as H-113	Holds 0-2127 and 0-2128 to A-1389									
H-2138	Same as H-105	Holds 0-2127 and 0-2128 to A-1389									
H- 2139	PIN: SS; round head and shank; approx 3/16" lg x 1/8" diam o/a; mts by shank	Bearing surface for 0-2129 at A-1391 N5815-370-1090	N17-T 350014- 0784	СТТ	151703	151703	н- 2139	1	0	0	
H-2140	STUD: steel, nickel pl; approx 3/8" lg x 3/16" diam o/a; one end threaded 3/32" lg w/#4-40 thd, drive slot across other end	Stop for 0-2124 N5815-370-0696	N17-T 350014- 0362	СТТ	150992	150992	H-2140	2	0	0	
H-2141	Same as H-127	Locks H-2140 to A-1389 and A-1391									
H-2142	Same as H-803	Bearing surface for and spaces 0-2127 from A-1389									
H-2144	Same as H-158	Retains 0-2134 on 0-2127									
H- 2145	Same as H-158	Retains 0-2134 on 0-2141									
H-2146	Same as H-113	Holds 0-2142 to A-1389 and A-1391									
H-2147	Same as H-105	Holds 0-2142 to A-1389 and A-1391									
H-2148	Same as H-113	Holds A-1384 to 0-2135		i							

	•	PARTS			1						PARE	PA	RTS
SYMBOL	NAME OF PART	FUNCTION	JAN OR	STANDARD NAVY	TL	NUFAC-	TELETYPE	. ALL SYMBOL	Š.	EQ	UIP.	ST	OCK
DESIG.	AND DESCRIPTION	AND FEDERAL STOCK NUMBER	NAVY TYPE DESIGNATION	STOCK NUMBER	CODE	DESIG.	PART NO.	DESIGNATIONS INVOLVED	TOTAL NO.	ğ	QUAN.	BOX	NA NA
H-2149	Same as H-105	Holds A-1384 to 0-2135											
H-2150	Same as H-112	Holds A-1384 to 0-2135											
H-2151	Same as H-119	Holds 0-2135 to A-1389 and A-1391											
H- 2152	Same as H-105	Holds 0-2135 to A-1389 and A-1391											
I- 2153	CLAMP: steel; nickel pl; one screw employed; approx $9/16$ " lg x $7/16$ " h x $1/8$ " wd o/a, 0.035" thk material; accom $3/16$ " diam shaft	Clamps 0-2140 to 0-2142 N5815-370-0423		N17-T 350013- 0973	СТТ	150267	150267	н-2153	4	0	0		
i- 2154	Same as H-1824	Holds H-2153 and 0-2144 to 0-2142											
I-2155	Same as H-127	Holds H-2153 and 0-2144 to 0-2142											
I-2156	Same as H-130	Holds H-2153 and 0-2144 to 0-2142											
H-2157	Same as H-1824	Holds A-1385 to 0-2142											
H-2158	Same as H-127	Holds A-1385 to 0-2142											
H-2159	Same as H-130	Holds A-1385 to 0-2142											
H- 2170	Same as H-126	Holds 0-2155 to A-1389											
H-2171	Same as H-127	Holds 0-2155 to A-1389											
H-2172	Same as H-113	Holds A-1390 to A-1389	·										
H-2173	Same as H-105	Holds A-1390 to A-1389											
H-2174	Same as H-265	Holds 0-2157 to A-1391											
I-2175	Same as H-105	Holds 0-2157 to A-1391		-									
I-2176	Same as H-113	Holds 0-2160 and 0-2161 to A-1391 (If so equipped. See H-2198 and H-2199)											
I-2177	Same as H-105	Holds 0-2160 and 0-2161 to A-1391 (If so equipped. See H-2198 and H-2199)											

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H-2178	Same as H-168	Retains 0-2160 on 0-2161 (If so equipped. See H-2198 and H-2199)										
H-2179	Same as H-113	Holds 0-2159 to A-1391										
H-2180	Same as H-105	Holds 0-2159 to A-1391										
H-2181	Same as H-112	Holds 0-2159 to A-1391										
H-2182	Same as H-113	Positions 0-2107 by 0-2160 and 0-2016										
H-2183	Same as H-112	Locks H-2182 in position										
H-2184	Same as H-126	Holds 0-2162 to A-1391										
H-2185	Same as H-127	Holds 0-2162 to A-1391										
H-2186	Same as H-113	Holds A-1392 to A-1391										
H-2187	Same as H-105	Holds A-1392 to A-1391										
H-2188	POST, spring: steel, nickel pl; shank ea end w/2 grooves in ea, hex shoulder and threaded body at ctr; approx 2-5/16" lg x 1/4" across flats o/a; mts by body threaded 7/32" lg w/#10-32 thd	Anchor for 0-1772, 0-1775, 0-1763 and 0-1766 N5815-370-0957		N17-T 350014- 0625	СТТ	150341	150341	H-2188	1	0	0	
H-2189	Same as H-222	Holds H-2188 to A-1391										
H-2190	Same as H-232	Holds H-2188 to A-1391										
H-2191	STUD: steel, nickel pl; approx 1" $\lg x 1/4$ " across flats o/a; both ends threaded 5/16" \lg and 17/32" \lg w/#10-32 thd	Mounts H-2194 and H-2196 N5815-370-0964		N17-T 350014- 0632	СТТ	150353	150353	н- 2191	1	0	0	
H-2192	Same as H-222	Holds H-2191 to A-1391										
H-2193	Same as H-232	Holds H-2191 to A-1391										
H-2194	POST, eccentric: steel, nickel pl; hex body w/off ctr shank one end; approx 13/16" lg x 1/4" across flats o/a; mts by #10-32 tapped hole in one end of body	Adjustable stop for 0-1761 N5815-370-0864	·	N17-T 350014- 0532	СТТ	150351	150351	H-2194, H-2196	2	0	0	
H-2195	Same as H-232	Locks H-2194 in position								l		
H-2196	Same as H-2194	Adjustable stop for 0-1771										
H-2197	Same as H-232	Locks H-2196 in position										
H-2198	SCREW, machine: slot drive; cheese H; steel, nickel pl; #6-40; approx 9/32" lg o/a; threaded portion 1/8" lg; head 3/32" lg x 1/4" diam; shoulder 1/16" lg x 3/16" diam	Pivot for and holds 0-2160 to A-1391 (If so equipped. See H-2176 and 0-2160) N5815-448-3568		N17-T 350005- 0507	СТТ	1010	1010	H-2198	1	0	0	
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		PARTS								SF	ARE	PA	RTS
YMBOL	NAME OF PART	FUNCTION AND	JAN OR NAVY TYPE	STANDARD NAVY	TL	NUFAC- JRERS	TELETYPE	ALL SYMBOL DESIGNATIONS	TOTAL NO.	EQ	JIP.	├-	OCK
DESIG.	DESCRIPTION	FEDERAL STOCK NUMBER	DESIGNATION	STOCK NUMBER	CODE	DESIG.	PART NO.	INVOLVED	101 A	ğ	OC A	ğ	DUAN.
I- 219 9	Same as H-112	Locks H-2198 to A-1391 (If so equipped. See H-2177 and H-2178)											
I- 2601	Same as H-119	Holds A-2601 to A-105 (TT- 171/UG only)											
H- 2602	Same as H-105	Holds A-2601 to A-105 (TT- 171/UG only)								-			
H-2603	STUD: SS; $11/32'' \log x 3/16'' \text{diam o/a}$; one end threaded $3/16'' \log w/\#6-40 \text{ thd}$; drive slot across head, neck between shank and head	Support and pivot for 0-2602 and 0-2605 (TT-171/UG only)			СТТ	100149	100149	н-2603, н-2611	4	0	0		
I-2604	Same as H-105	Holds H-2603 to A-2601 (TT- 171/UG only)											
H- 2605	Same as H-112	Holds H-2603 to A-2601 (TT- 171/UG only)											
I- 2606	SCREW, Machine: slot drive; flat Fil H; steel, nickel pl; #6-40; 13/32" lg; threaded portion 3/16" lg; head 1/16" lg x 9/32" diam, shoulder 5/32" lg x 3/16" diam	Pivot for and holds 0-2601 to 0-2602 and 0-2604 to 0-2605 (TT-171/UG only) N5815-412-5365		N17-T 350005- 0514	СТТ	1047	1047	н- 2606	2	0	0		
I- 26 07	Same as H-105	Holds 0-2601 to 0-2602 and 0-2604 to 0-2605 (TT-171/UG only)											
I- 26 08	Same as H-112	Holds 0-2601 to 0-2602 and 0-2604 to 0-2605 (TT-171/ UG only)											
I- 2609	Same as H-270	Holds A-2602 to A-105 (TT- 171/UG only)											
I-2610	Same as H-105	Holds A-2602 to A-105 (TT- 171/UG only)											
I- 2611	Same as H-2603	Guide for and helps retain A-2603 to A-105 (TT-171/ UG only)											
i-2612	WINDOW: cover for label set; molded lucite; rectangular shape; 2-19/32" lg x 1-5/32" wd x 1/16" thk o/a; mts by 2 ctb holes on 2-1/8" mtg/c; frosted finish and beveled edges on top	Covers for instruction sheets (TT-171/UG only)		''Shop Manufactu		153118	153118	н-2612	2	0	0		

H- 2613	Same as H-192	Holds H-2612 to A-2603			1								
H-2614	Same as H- 298	Plug for center keylever guide hole of A-2603											
H-2615	Same as H-299	Locks H-2614 to A-2603											
H-2616	CLAMP: cable; nylon; approx 13/16" lg x 1/2" wd x 3/8" h o/a, 1/16" thk material, 13/64" diam mtg hole; accom 1/4" cable	Clamp for W-2601 N5340-222-8562		For Replace- ment Use N17-C 780913- 0901	Plas CPC	mercial tics Co. - 1953-4		H-2616		1	0	0	
H-2617	Same as H-104	Holds H-2616 to Base											
H-2618	Same as H-168	Holds H-2616 to Base											
H- 2619	Same as H-105	Holds H-2616 to Base										i	
H- 2620	Same as H-112	Holds H-2616 to Base											
H- 2621	Same as H-223	Spacer for 0-278 to prevent play											
H- 2622	Same as H-117	Holds A-2603 to A-123											
	SYMI	BOL DESIGNATIONS I-751 ANI	 I-752 USED O	N CY-870/	 /UG / 	ND CY-	871/UG C	ABINETS					
I-751	Same as E-751	Pilot light for end of line indication						=	•				
I-752	GONG: steel, nickel pl; curved on one side, dished out on other side; approx 3" diam x 1" lg o/a, 0.072" thk material; mts by body hole w/2 cutouts in ctr of gong	Signal bell for the attendent N5815-448-3691	·	N17-T 350006- 0899	СТТ	43954	43954	I- 7 52		1	0	0	
I-753	LENS, indicator light: red; push on type; 3/4" diam x 3/8" lg tenite; 5/8" diam x 1/4" lg shank	Lens for I-751 N5815-370-1083		N17-T 350014- 0776	СТТ	151557	151557	I-753		3	0	0	
I- 1301	DIAL: aluminum, plain anodize; irregular shape, 10 equidistant depressions around circum of head, 30 beveled teeth one end, gear w/18 teeth other end, shoulder between gear and head; approx 1-1/4" OD x 1/4" ID x 3/4" Ig o/a; mts by ID; 12 Ig and 12 short equidistant lines stamped on circum of shoulder, figures "0 10 20 30 40 50 60 70 80 90 100 110" stamped opposite Ig lines	Dial for selecting range scale N5815-370-1717		N17-T 350015- 0588	СТТ	152436	152436	I- 1301		1	0	0	
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		PARTS									PARE	PA	RTS
YMBOL	NAME OF PART	FUNCTION	JAN OR	STANDARD NAVY	τι	NUFAC- JRERS	TELETYPE	ALL SYMBOL	ž Š	EQ	UIP.	STO	OCK
DESIG.	AND DESCRIPTION	AND FEDERAL STOCK NUMBER	NAVY TYPE DESIGNATION	STOCK NUMBER	CODE	DESIG.	PART NO.	DESIGNATIONS INVOLVED	TOTAL NO.	Š	OCAN.	BOX	OUAN.
-101	CONNECTOR, receptacle: 20 round male contacts; straight; approx 2-3/32" lg x 3/4" wd x 3/4" h o/a; rectangular, black phenolic body; mts by 2 body holes on 1-27/32" x 7/32" mtg ctrs; guide pin hole in face	Termination for W-101 N5815-370-1985		N17-T 350015- 0876	СТТ	152467	152467	J-101, J-1301	2	0	0		
1101	CONNECTOR, receptacle: 2 flat parallel blades; straight type; approx 1-1/8" lg x 1-1/2" wd x 9/16" thk o/a; 110 v; mts by 2 body holes in shoulder	Convenience receptacle N5935-173-7285		N17-C 073137- 1875	CMG	12844	151422	J-1101	1	0	0		
- 1301	Same as J-101	Termination for W-1302											
- 101	CONTACT ASSEMBLY: c/o terminals, box, cover, bracket, toggle, guide, toggle extension, spring, toggle link, base and cont screws; base screw across approx ctr of box, guide mtd one end, 2 contact screws mtd one side of base w/term connected to ea, toggle link connected by spring to term on other side of base, link holds toggle in position over cont, extension toggle assembled to toggle and extends through guide and through slot in side of box, cover screwed to top of box, bracket formed on one end, w/elongated slot, mtg on bottom of box; approx 1-3/4" h x 2-1/2" lg x 1-1/8" wd o/a; mts by two elongated holes in adjusting bracket	Receives incoming signals and sets up selector code on the Automatic Typer N5815-370-1065		N17-T 350014- 0756	CTT	151170	151170	K-101	1	0	0		
- 501	RELAY, motor starting: SPST, normally open; single winding, 6.1 amps AC operating current, 5.2 amps AC release current, insulated; solder lug terminals on coil and cont; approx 1-27/32" lg x 1-1/4" wd x 1-1/16" h o/a; clamp mtd; fast acting; dust proof cover	Starting relay for the synchronous motor N5815-370-1220		N17-T 350014- 0953	СТТ	151923	151923	K-501	1	0	0		
- 1101	RELAY, armature: DPDT, one set normally closed, one set normally open; cont rating 8 amps, 115v AC; palladium clad cont, approx 3/16" diam; single winding, 115 v AC, 60 cyc, insulated coil; solder lug term on coil and cont; approx 2-9/16" lg x 2-3/16' wd x 1-3/4" h o/a; mts by 2 body holes, approx 1/4" diam on 2-1/4" mtg/c; fast acting	S-1101 is in off position N5945-237-1139			CA RE	MR- 1301	151808	K-1101	1	0	0		

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L-1101	COIL, solenoid: copper wire, baked enamel coated; 500 vact, 200 ohm ± 10% resistance, 4980 turns #33 AWG wire; approx 1-9/16" lg x 1" wd x 1-3/8" d o/a, coil 1"OD x 3/8" ID; mts by ID; 2 solder lug term	Attracts E-1113 N5950-302-6447		N17-T 350017- 0598		252M	252M	L-1101, L-1102	2	0	0	
L-1102	Same as L-1101	Attracts E-1113										
O-101	PLATE, spacer; steel, nickel pl; rounded ends; approx 1-5/16" lg x 5/8" wd x 0.065" thk o/a; mts by one large and one small body hole	Spacer for automatic typer N5815-370-0797		N17-T 350014- 0463		151118	151118	0-101	4	0	0	
0-102	SPRING: helical extension type; 0.029" diam music wire; approx 1-1/2" lg x 3/16" OD o/a; approx 39 turns; parallel loop terminals; mts by terminals	Applies tension to H-115 and H-116 N5340-448-1819		N17-T 350002- 0774		86835	86835	0-102, 0-1490, 0-158	3	1	1	
0-103	LEVER: steel, nickel pl; irregular "V" shape, both ends formed, curved body ear one side, hub welded at point of "V" approx 1-23/32" lg x 1-7/16" h x 1/2" wd o/a, 0.035" thk, material; mts by ID of hub	Operates S-101 N5815-370-0163		N17-T 350013- 0707	CTT	151341	151341	0-103	1	0	0	
0-104	SPRING: helical extension type; 0. 016" diam music wire; 11/16" lg x 5/32" QD o/a; approx 26 turns; parallel hook term	Applies tension to 0-103 N5340-448-3713		N17-T 350007- 0399	СТТ	55669	55669	0-104	1	0	0	
0-105	STRIP: steel, nickel pl; tapped hole near ea end; approx 3-1/4" lg x 1/2" wd x 1/8" thk o/a; mts by tapped hole in ctr	Nut plate for A-505 or A-609 N5815-370-0761		N17-T 350014- 0427	СТТ	151113	151113	0-105	2	0	0	. [
0-119	PLATE, nut: steel, nickel pl; approx 7/8" lg x 5/32" wd x 0.042" thk o/a; mts by two tapped holes	Locks S-104 to A-108 N5815-370-1408		N17-T 350015- 0260	СТТ	151885	151885	0-119	1	0	0	
0-120	HUB: steel, nickel pl; approx 9/32" lg x 1/2" OD x 1/8" ID o/a; mts by ID; 3/32" wd shoulder between two 3/32" wd shanks	Bearing for 0-121 and 0-122 N5815-370-0144		N17-T 350013- 0688	СТТ	151236	151236	0-120	1	1	1	
0-121	RATCHET: natural molded nylon; 28 teeth on circum, ID ctb in face, shoulder w-cam depression other side; approx 7/8" OD x 11/32" ID x 1/8" thk o/a; mts by ID	Operates 0-125 and 0-130 N5815-370-0142		N17-T 350013- 0686	СТТ	151235	151235	0-121	1	1	1	
0-122	RATCHET: natural molded nylon; 27 teeth on circum, ID ctb in face, shoulder w/cam depression other side, approx 7/8" OD x 11/32" ID x 1/8" thk o/a; mts by ID	Operates 0-125 and 0-130 N5815-370-0143		N17-T 350013- 0687	СТТ	151234	151234	0-122	1	1	1	
0-123	SPRING: flat type; 0.010" thk nickel silver; approx $3/4$ " lg x $3/4$ " h x $1/32$ " wd o/a; mts by hole in ctr; three equidistant blades	Applies pressure to 0-121 and 0-122 N5815-370-0145		N17-T 350013- 0689	СТТ	151237	151237	0-123	2	1	1	
0-124	WASHER, felt: hard, white felt; round, 7/32" ID x 3/8" OD x 1/16" thk	Lubricates 0-125 N5815-370-0247		N17-T 350013- 0794	СТТ	109757	109757	0-124, 0-127, 0-129, 0-1570, 0-1571, 0-1576, 0-1577, 0-1598, 0-1663	9	1	5	

8-111

CHANGE 2

TABLE 8-4.	COMBINED	PARTS	AND	SPARE	PARTS	LIST

		PARTS			44.4.	NUFAC-			ı 		PARI	-,	
YMBOL DESIG.	NAME OF PART	FUNCTION AND	JAN OR NAVY TYPE	STANDARD NAVY	TU	IRERS	TELETYPE	ALL SYMBOL DESIGNATIONS	AL NO.	EQ	UIP.		OCK
DESIG.	DESCRIPTION	FEDERAL STOCK NUMBER	DESIGNATION	STOCK NUMBER	CODE	DESIG.	PART NO.	INVOLVED	PER	ğ	QUAN.	ě	MAUO
-125	PAWL: steel, nickel pl; irregularly shaped curved body; approx 13/16" lg x 11/16" wd x 0.083" thk o/a; mts by large body hole in rounded p/o body; body hole csk both sides near one end	Operates 0-128 N5815-370-0148		N17-T 350013- 0692	СТТ	151240	151240	0-125	1	0	0		
-126	SPRING: helical extension type; 0.016" diam music wire; approx 1/2" ig x 5/32" OD x 1/8" ID o/a; approx 14 turns; parallel hook term ea end; mts by terms	Applies tension to 0-125 N5340-448-3693		N17-T 350006- 0407	CTT	45104	45104	0-126	1	1	2		
-127	Same as 0-124	Lubricates 0-128								l			
0-128	LEVER: steel, nickel pl; irregular shape w-rounded ear; approx13/16" g x 15/16" wd x 0.083" thk o/a; mts by large hole in rounded p/o body, csk one side; body hole csk both sides in ear	Stop for 0-130 N5815-370-0149		N17-T 350013- 0693	СТТ	151241	151241	0-128	1	0	Ó		
-129	Same as 0-124	Lubricates 0-130											
- 130	PAWL: steel, nickel pl; irregular shape, two arms w-elongated rise between on one side; approx 2-3/16" lg x 3/4" wd x 0.083" thk o/a; mts by large hole, csk one side, below largest arm; body hole csk both sides in rounded end	Actuates S-104 N5815-370-0147		N17-T 350013- 0691	СТТ	151239	151239	0-130	1	0	0		
-131	SPRING: helical extension type; 0, 014" diam music wire; approx 27/32" lg x 5/32" OD x 1/8" ID o/a; approx 44 turns; parallel hook term ea end; mts by terms	Applies tension to 0-128 and 0-130 N5340-448-1417		N17-T 350012- 0708	СТТ	31636	31636	0-131, 0-317, 0-330	3	1	2		
-132	GUIDE, code bar: steel, nickel pl; rectangular shape, one side formed, ear w/body hole at one end, elongated cutout in body w/two connecting strips across and 10 teeth on ea side; approx 1-13/32" lg x 1-3/16" h x 1/4" wd o/a, 0.028" thk material; mts by 2 elongated holes	Right end guide for symbols 0-139 through 0-145 N5815-370-0734		N17-T 350014- 0400	CTT	151023	151023	0-132, 0-135	2.	0	0		
)-133	PLATE: steel, nickel pl; rectangular; ap- prox 1-1/2" lg x 13/32" wd x 3/32" thk o/a; mts by two tapped holes	Locks 0-132 to A-109 N5815-370-0747		N17-T 350014- 0413	СТТ	151043	151043	0-133	1	0	0		
-134	SPRING: helical extension type; 0.012" diam music wire; approx 1/2" lg x 5/32" OD o/a; approx 20 turns; parallel hook term ea end; mts by terms	Applies tension to 0-132 N5340-448-3942		N17-T 350006- 0396	СТТ	7618	7618	0-134	1	0	0		

0-135 Same as 0-132	l i			1		I	l i				1	l	l	
Department Dep	0-135	Same as 0-132						i						
Sion welded to ball and 5 wil slote in one side, 6 narrow slote in other side, formed lip on both sides, plate staked to ea end; approx 8-1/8" by x-1/8" wd x-0.035" the o/a; mts by 2 csk holes in line in end plates	0-136	prox 1-1/2" lg x 13/32" wd x 1/8" thk o/a;			350014-	СТТ	151091	151091	0-136		1	0	0	
8-7/8" x 1/2" wd x 0.035" (the /a; mts by both ends; "C": stamped near mig hole; two cutouts on upper side, 22 teeth irregularly spaced in lig cutout lower side, cutout and body hole one end, 2 body holes other end; approx 9" g x 1/2" wd x 0.035" (the /a; mts by both ends; "C" stamped near straight end 0-141 CODE BAR: steel, nickel pl; two cutouts upper side, 22 teeth irregularly spaced in lig cutout lower side, cutout and body hole one end, 2 body holes other end; approx 9" g x 1/2" wd x 0.035" (the /a; mts by both ends; '1" stamped near straight end 0-142 CODE BAR: steel, nickel pl; two cutouts upper side, 22 teeth irregularly spaced in lig cutout lower side, cutout and body hole one end, 2 body holes other end; approx 9" g x 1/2" wd x 0.035" (the /a; mts by both ends; '2" stamped near straight end 0-142 CODE BAR: steel, nickel pl; two cutouts upper side, 22 teeth irregularly spaced in lig cutout lower side, 2 to the steep should approx 9" g x 1/2" wd x 0.035" (the /a; mts by both ends; '2" stamped near straight end 0-143 CODE BAR: steel, nickel pl; two cutouts upper side, 22 teeth irregularly spaced in lig cutout lower side, cutout and body hole one end, 2 body holes other end; approx 9" g x 1/2" wd x 0.035" (the /a; mts by both ends; "3" stamped near straight end 0-143 CODE BAR: steel, nickel pl; two cutouts upper side, 22 teeth irregularly spaced in lig cutout lower side, cutout and body hole one end, 2 body holes other end; approx 9" g x 1/2" wd x 0.035" (the /a; mts by both ends; "4" stamped near straight end 0-144 CODE BAR: steel, nickel pl; two cutouts upper side, 22 teeth irregularly spaced in lig cutout lower side, cutout and body hole one end, 2 body holes other end; approx 9" g x 1/2" wd x 0.035" (the /a; mts by both ends; "4" stamped near straight end 0-144 CODE BAR: steel, nickel pl; two cutouts upper side, 22 teeth irregularly spaced in lig cutout lower side, cutout and body hole one end, 2 body holes other end; approx 9" g x 1/2" wd x 0.035" (the /a; mts by both ends; "	0-138	sion welded to bail and 5 wd slots in one side, 6 narrow slots in other side, formed lip on both sides, plate staked to ea end; approx 8-1/8" lg x 1-1/8" wd x 7/8" h o/a;	operation completed		350015-	СТТ	151840	151840	0-138		1	0	0	
upper side, 22 teeth irregularly spaced in lig cutout lower side, cutout and body hole one end, 2 body holes other end; approx 9" lig x 1/2" wd x 0.035" thk o/a; mts by both ends; "1" stamped near straight end	0-139	8-7/8" lg x 1/2" wd x 0.035" thk o/a; mts by both ends; "C" stamped near mtg hole; two cutouts on upper side, one lg cutout along most of the lower side, body hole at			350014-	СТТ	151084	151084	0-139		1	0	0	
upper side, 22 teeth irregularly spaced in lig cutout lower side, cutout and body hole one end, 2 body holes other end; approx 9" lg x 1/2" wd x 0. 035" thk o/a; mts by both ends; "2" stamped near straight end 0-142 CODE BAR: steel, nickel pl; two cutouts upper side, 22 teeth irregularly spaced in lig cutout lower side, cutout and body hole one end, 2 body holes other end; approx 9" lg x 1/2" wd x 0. 035" thk o/a; mts by both ends; "3" stamped near straight end 0-143 CODE BAR: steel, nickel pl; two cutouts upper side, 22 teeth irregularly spaced in lig cutout lower side, cutout and body hole one end, 2 body holes other end; approx 9" lg x 1/2" wd x 0. 035" thk o/a; mts by both ends; "4" stamped near straight end 0-144 CODE BAR: steel, nickel pl; two cutouts upper side, 22 teeth irregularly spaced in lig cutout lower side, cutout and body hole one end, 2 body holes other end; approx 9" lg x 1/2" wd x 0. 035" thk o/a; mts by both ends; "4" stamped near straight end 0-144 CODE BAR: steel, nickel pl; two cutouts upper side, 22 teeth irregularly spaced in lig cutout lower side, cutout and body hole one end, 2 body holes other end; approx 9" lg x 1/2" wd x 0. 035" thk o/a; mts by both ends; "4" stamped near straight end 0-145 CODE BAR: steel, nickel pl; two cutouts upper side, 22 teeth irregularly spaced in lig cutout lower side, cutout and body hole one end, 2 body holes other end; approx 9" lg x 1/2" wd x 0. 035" thk o/a; mts by both ends; "4" stamped near straight end 0-146 CODE BAR: steel, nickel pl; two cutouts upper side, 22 teeth irregularly spaced in lig cutout lower side, cutout and body hole one end, 2 body holes other end; approx 9" lg x 1/2" wd x 0. 035" thk o/a; mts by both ends; "4" stamped near straight end 0-147 CTT 151086 151086 0-142	0-140	upper side, 22 teeth irregularly spaced in lg cutout lower side, cutout and body hole one end, 2 body holes other end; approx 9" lg x 1/2" wd x 0.035" thk o/a; mts by both			350014-	СТТ	151089	151089	0-140		1	0	0	
upper side, 22 teeth irregularly spaced in lg cutout lower side, cutout and body hole one end, 2 body holes other end; approx 9" lg x 1/2" wd x 0.035" thk o/a; mts by both ends; "3" stamped near straight end O-143 CODE BAR: steel, nickel pl; two cutouts upper side, 22 teeth irregularly spaced in lg cutout lower side, cutout and body hole one end, 2 body holes other end; approx 9" lg x 1/2" wd x 0.035" thk o/a; mts by both ends; "4" stamped near straight end O-144 CODE BAR: steel, nickel pl; two cutouts upper side, 22 teeth irregularly spaced in lg cutout lower side, cutout and body hole one end, 2 body holes other end; approx 9" lg x 1/2" wd x 0.035" thk o/a; mts by both ends; "4" stamped near straight end O-144 CODE BAR: steel, nickel pl; two cutouts upper side, 22 teeth irregularly spaced in lg cutout lower side, cutout and body hole one end, 2 body holes other end; approx 9" lg x 1/2" wd x 0.035" thk o/a; mts by both	0-141	upper side, 22 teeth irregularly spaced in lg cutout lower side, cutout and body hole one end, 2 body holes other end; approx 9" lg x 1/2" wd x 0.035" thk o/a; mts by both			350014-	СТТ	151088	151088	0-141		1	0	0	
upper side, 22 teeth irregularly spaced in lg cutout lower side, cutout and body hole one end, 2 body holes other end; approx 9" lg x 1/2" wd x 0.035" thk o/a; mts by both ends; "4" stamped near straight end 0-144 CODE BAR: steel, nickel pl; two cutouts upper side, 22 teeth irregularly spaced in lg cutout lower side, cutout and body hole one end, 2 body holes other end; approx 9" lg x 1/2" wd x 0.035" thk o/a; mts by both	0-142	upper side, 22 teeth irregularly spaced in lg cutout lower side, cutout and body hole one end, 2 body holes other end; approx 9" lg x 1/2" wd x 0.035" thk o/a; mts by both			350014-	СТТ	151087	151087	0-142	. :	1	0	0	
upper side, 22 teeth irregularly spaced in lg cutout lower side, cutout and body hole one end, 2 body holes other end; approx 9" lg x 1/2" wd x 0.035" thk o/a; mts by both	0-143	upper side, 22 teeth irregularly spaced in lg cutout lower side, cutout and body hole one end, 2 body holes other end; approx 9" lg x 1/2" wd x 0.035" thk o/a; mts by both	•		350014-	CTT	151086	151086	0-143		1	0	0	
	0-144	upper side, 22 teeth irregularly spaced in lg cutout lower side, cutout and body hole one end, 2 body holes other end; approx 9" lg x 1/2" wd x 0.035" thk o/a; mts by both	,		350014-	СТТ	151085	151085	0-144		1	0	0	
			,											

TABLE 8-4. COMBINED PARTS AND SPARE PARTS LIST

		PARTS								SF	ARE	: P/	ARTS
V448.01	NAME OF PART	FUNCTION	JAN OR	STANDARD		NUFAC-		ALL SYMBOL	Š.		UIP.	·	оск
YMBOL DESIG.	AND DESCRIPTION	AND FEDERAL STOCK NUMBER	NAVY TYPE DESIGNATION	NAVY STOCK NUMBER	CODE	DESIG.	TELETYPE PART NO.	DESIGNATIONS INVOLVED	TOTAL NO.	×o g	QUAN.	XO8	QUAN.
-145	BAR, locking: steel, nickel pl; irregular shape cutout and wd cutout on top, 37 irregularly spaced teeth and pointed ear along inside of cutout along most of length on bottom; approx 8-13/16" lg x 9/16" wd x 0.035" thk o/a; mts by elongated hole one end and body hole other end; character "L" stamped near body hole	Locks 0-138 N5815-370-0169		N17-T 350013- 0713	СТТ	151355	151355	0-145	1	0	0		·
146	SPRING: helical extension type; 0. 014" diam music wire; approx 15/32" lg x 5/32" OD x 1/8" ID o/a; approx 16 turns; parallel hook term ea end; mts by terms	Applies tension to 0-139 and 0-145 N5340-448-3936		N17-T 350006- 0393	CTI	7603	7603	0-146, 0-213, 0-1115 0-1684	41	1	5		
-147	SPRING: helical extension type; 0. 010" diam music wire; approx 7/16" lg x 1/8" OD x 3/32" ID o/a; approx 20 turns; parallel hook term ea end; mts by terms	Applies tension to symbols 0-140 through 0-144 N5340-448-1433		N17-T 350006- 0406	CTI	42661	42661	0-147, 0-1374, 0-1407	7	1	1		
-149	LEVER: steel, nickel pl; irregular shape, one side straight, other side has cutout and 2 body ears, one end curved and rounded, csk hole in ctr; approx 3-3/32" lg x 11/32" h x 0.050" thk o/a; mts by body hole in rounded ear	Operates 0-150 N5815-370-1735		N17-T 350015- 0607	CTI	151845	151845	0-149	1	0	0		
-150	BELL CRANK: steel, nickel pl; irregular "L" shape, csk hole near upper end, tapped hole near lower end; approx 1-3/8" lg x 13/16" h x 0.050" thk o/a; mts by body hole at corner	Operates 0-153 N5815-370-0739		N17-T 350014- 0405	СТТ	151032	151032	0-150	1	0	0	-	
-151	SPRING: helical extension type; 0.012" diam music wire; approx 15/32" lg x 5/32" OD x 1/8" ID o/a; approx 14 turns; hook term ea end, indexed 90°	Applies tension to 0-149 N5340-448-1406		N17-T 350006- 0398	CTI	7655	7655	0-151	1	0	0		
152	PLATE: steel, nickel pl; irregular shape, formed near one end, cutout on one side; approx 1-5/8" wd x 3-3/32" lg x 1/8" thk o/a; 0.065" thk material; mts by 2 holes on ea end, holes on one end tapped; two elongated holes in ear	Supports A-111 and A-112 N5815-370-0174		N17-T 350013- 0718	СТЗ	151367	151367	0-152	1	0	0		

0-153	LEVER: steel, nickel pl; one end irregular shaped, other end round w/elongated arm w/csk body hole, two ears on body; approx 3-5/32" kg x 7/8" h x 5/32" wd o/a, 0.050" thk material; mts by ID of bushing welded to round end	Holds 0-138 in lock position through 0-159 until opera- tion completed N5815-370-0897	N17-T 350014- 0565	СТТ	151008	151008	0-153	1	0	0	
0-154	SPRING: helical extension; 0.014" music wire; 1" lg x 5/32" OD o/a; 47 turns; hook terms; mts by hook ends	Applies tension to 0-153 N5815-412-5841	N17-T 350007- 0458	СТТ	70388	70388	0-154, 0-1738	2	1	1	
0-155	WICK: hard, white felt; approx 1-3/4" lg x 3/32" diam o/a	Lubricates 0-154 N5815-126-4176	N17-T 350001- 0418	СТТ	4809	4809	0-155	1	0	0	
0-156	SHAFT: steel, nickel pl; approx 8-3/4" lg x 3/16" OD; mts by ends; one end tapered; shank on other end w/groove near shank	Pivot for symbols 0-175 through 0-212 N5815-370-0738	N17-T 350014- 0404	СТТ	151030	151030	0-156	1	0	0	
0-157	CLIP: retaining; steel; approx 1" lg x 3/8" wd o/a, 0.040" diam music wire; approx 9/16" jaw opening	Retains 0-156 to A-109 N5815-370-0765	N17-T 350014- 0431	СТТ	151104	151104	0-157	2	1	1	
0-158	GUIDE, code bar: steel, nickel pl; 13 elongated slots equally spaced one side, cutout both lower corners; approx 1-3/8" lg x 5/8" h x 0.028" thk o/a; mts by lower part of body	Guide for code bars N5815-370-0793	N17-T 350014- 0459	CTT	151101	151101	0-158	1	0	0	
0-159	EXTENSION, bail; steel, nickel pl; irregular shape, one end rounded, small ear near rounded end; approx 15/16" lg x 15/32" h x 0.050" thk o/a mts by body hole and tapped hole in wd p/o body	Provides adjustment for operating 0-138 N5815-092-1417	N17-T 350016- 0109	CTI	151889	151889	0-159	1	0	0	
0-160	BAIL: steel, nickel pl; "U" formed, cutout in bottom, curved arm formed at end on one end of body; approx 1-11/16" lg x 5/8" h x 1-1/16" wd o/a, 0.042" thk material; mts by 2 holes in line in rounded ears	Disengages H-205 from symbols 0-140 through 0-144 N5815-320-8081	N17-T 350016- 0154	СТТ	152877	152877	0-160	1	0	0	
0-161	SHAFT: steel, nickel pl; approx 31/32" lg x 3/32" diam o/a; mts by body and slot near ea end	Pivot for 0-160 N5815-320-8234	N17-T 350016- 0157	СТТ	152874	152874	0-161, 0-162	2	0	0	
0-162	Same as 0-161	Pivot for H-205 latches	į							1	
0-163	SPACER: steel, nickel pl; approx 3/16" OD x 3/32" ID x 0.050" thk o/a; mts by ID	Spaces H-205 latches N5815-092-1432	N17-T 350016- 0156	СТІ	152875	152875	0-163	7	0	0	
0-164	SPRING: helical compression type; 0.012" diam music wire; approx 7/32" lg x 5/32" diam o/a; approx 7 turns; squared ends; mts by ID	Keeps H-205 latches in line with respective code bars N5340-448-3935	N17-T 350016- 0173	CTI	7602	7602	0-164	1	0	0	

		PARTS								SI	PARE	PA	RT
YMBOL DESIG.	NAME OF PART AND DESCRIPTION	FUNCTION AND FEDERAL STOCK NUMBER	JAN OR NAVY TYPE DESIGNATION	STANDARD NAVY STOCK NUMBER		NUFAC- IRERS DESIG.	TELETYPE PART NO.	ALL SYMBOL DESIGNATIONS INVOLVED	TOTAL NO.	<u> </u>	UIP.	ST X	OCK
-165	SPRING: helical extension type; 0.009" diam music wire; approx 1" lg x 3/32" diam o/a; approx 90 turns; parallel hook terminals	Applies tension to H-205 latches N5815-092-1430		N17-T 350016- 0164	_	152839	152839	0-165	5	0	0	_	
166	BAR, upstop: steel, nickel pl; flat rectangular bar, 2 small cutouts in upper edge, one lg cutout in lower edge w/tooth near one end; approx 8-11/16" lg x 1/2" h x 0.035" thk o/a; mts by ends	Upstop for function levers N5815-370-2008		N17-T 350015- 0899	СТТ	151830	151830	0-166	1	0	0		
173	GUIDE, code lever: steel, nickel pl; irregular shape, both sides formed, 43 slots in ea side in line, 42 body holes in row on one side, one end formed w/cutout and 13 body holes, three rectangular shaped cutouts and 42 body holes in row in bottom, elongated slot near ea end, two body ears, one w/weld disc and tapped hole, other w/body hole; approx 9-11/16" lg x 1-15/16" wd x 1-3/32" h o/a, 0.035" thk material; mts by 2 oval shaped holes at ea end	Guide for symbols 0-175 through 0-212 and anchor for 0-146 and 0-147 N5815-370-1452		N17-T 350015- 0310	СТТ	151849	151849	0-173	1	0	0		
174	PAWL: steel, nickel pl; irregular shape round one end, squared cutout near other end, rounded ear formed at end on curve of body; approx 1-3/16" lg x 3/4" h x 3/32" wd o/a; 0.028" thk material; mts by hole in round end	Latches 0-145 in lock position N5815-370-0763		N17-T 350014- 0429	СТТ	151102	151102	0-174	1	0	0		
175	LEVER: steel, nickel pl; irregular shape, stud riveted to one end, elongated ear near stud end, csk hole in approx ctr; approx 5-3/4" lg x 5/8" h x 1/8" wd o/a, 0.042" thk material; mts by body hole between ear and csk hole	Sets up code for Figs shift N5815-370-1453		N17-T 350015- 0311	СТТ	151851	151851	0-175 through 0-205	31	0	0		
176	Same as 0-175	Sets up code for 1 and Q											
177	Same as 0-175	Sets up code for - and A											
178	· Same as 0-175	Sets up code for " and Z	Ì										
179	Same as 0-175	Sets up code for 2 and W	1										
180	Same as 0-175	Sets up code for BELL and S											
-180 -181	Same as 0-175 Same as 0-175	Sets up code for BELL and S Sets up code for / and X											

1											- 1	1
0-182	Same as 0-175	Sets up code for 3 and E										
0-183	Same as 0-175	Sets up code for \$ and D										
0-184	Same as 0-175	Sets up code for : and C							į			
0-185	Same as 0-175	Sets up code for 4 and R							۱			
0-186	Same as 0-175	Sets up code for ! and F							1			
0-187	Same as 0-175	Sets up code for ; and V							-			
0-188	Same as 0-175	Sets up code for 5 and T							-			
0-189	Same as 0-175	Sets up code for & and G										
0-190	Same as 0-175	Sets up code for ? and B							١			
0-191	Same as 0-175	Sets up code for 6 and Y										
0-192	Same as 0-175	Sets up code for blank and H										
0-193	Same as 0-175	Sets up code for , and N					•					
0-194	Same as 0-175	Sets up code for 7 and U										
0-195	Same as 0-175	Sets up code for ' and J										
0-196	Same as 0-175	Sets up code for . and M							İ			
0-197	Same as 0-175	Sets up code for 8 and I							ı			
0-198	Same as 0-175	Sets up code for (and K							1			
0-199	Same as 0-175	Sets up code for LTRS shift							ı			
0-200	Same as 0-175	Sets up code for 9 and 0							Į			
0-201	Same as 0-175	Sets up code for/) and L									.	
0-202	Same as 0-175	Sets up code for LINE FEED										
0-203	Same as 0-175	Sets up code for Ø and P										
0-204	Same as 0-175	Operates 0-272										
0-205	Same as 0-175	Sets up code for blank										
0-206	LEVER: steel, nickel pl; irregular shape, stud riveted near one end, csk hole near ctr; approx 5-1/16" ig x 3/4" h x 1/8" wd o/a, 0.042" thk material; mts by body hole near ctr	Operates 0- 174 N5815- 370-1455	N17-T 350015- 0313	СТТ	151853	151853	0-206, 0-207		2	0	0	
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			,									
<u> </u>			<u></u>	<u> </u>	<u> </u>							

		PARTS						_		SF	ARE	PA	RTS
SYMBOL DESIG.	NAME OF PART AND	FUNCTION AND	JAN OR NAVY TYPE	STANDARD NAVY		NUFAC- IRERS	TELETYPE	ALL SYMBOL DESIGNATIONS	TOTAL NO.	EQ	UIP.		ock
DESIG.	DESCRIPTION	FEDERAL STOCK NUMBER	DESIGNATION	STOCK NUMBER	8	DESIG.	PART NO.	INVOLVED	PER	õ	QUAN.	BOX	QUAN.
-207	Same as 0-206	Operates 0-382											
)-208	LEVER: steel, nickel pl; irregular shape, one end squared and turned up, other end tapered w/rounded point and turned down, csk hole near center; approx 5-1/16" lg x 3/4" h x 1/8" wd o/a, 0.042" thk material; mts by body hole near ctr	Unlocks keyboard by un- latching 0-145 from 0-174 N5815-370-1457		N17-T 350015- 0315	СТТ	151855	151855	0-208, 0-209	2	0	0		
- 209	Same as 0-208	Sets up code for Repeat											
0-210	LEVER: steel, nickel pl; elongated body ear slot and stud riveted to one end, other end irregular shape, csk hole near ctr; approx 4-21/32" lg x 5/8" h x 1/8" wd o/a, 0.042" thk material; mts by large body hole near csk hole	Sets up code for Space N5815-370-1454		N17-T 350015- 0312	СТТ	151852	151852	0-210	1	0	0		
-211	LEVER: steel, nickel pl; one end straight w-corner cutoff, other end irregular shape w/stud and elongated body ear, csk hole near straight end; approx 5-1/16" lg x 11/16" h x 1/8" wd o/a, 0.042" thk material; mts by body hole near ctr	Operates 0-283 N5815-370-1456		N17-T 350015- 0314	СТТ	151854	151854	0-211, 0-212	2	0	0		
-212	Same as 0-211	Operates 0-272					-						
-213	Same as 0-146	Applies tension to symbols 0-175 through 0-212											
)-214	WASHER, felt: hard, white felt; round, 7/32" ID x 7/16" OD x 3/32" thk	Lubricates 0-156 and symbols 0-175 through 0-212 N5815-370-0244		N17-T 350013- 0791	СТТ	101796	101796	0-214, 0-313,0-331 0-1327, 0-1654, 0-1657, 0-1665, 0-1930, 0-2103, 0-2111	18	1	2		
215	KEYLEVER: steel, nickel pl; lever w/cellulose acetate butyrate (tenite II) top; irregular shape, round keytop, concave on top and tapered to point on bottom, pressed on one end of lever; approx 2-3/4" lg x 2" wd x 0.042" thk material o/a, 1/2" diam keytop; mts by irregular shape elongated slot in lower end of lever; red keytop w/white characters "LOC, LF"	Operates 0-211 N5815-370-0519		N17-T 350014- 0170	СТТ	151286	151286	0-215	1	0	0		
-216	Same as 0-215 except characters "LOC, CR"	Operates 0-212 N5815-370-0520		N17-T 350014- 0171	CTT	151287	151287	0-216	1	0	0		

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0-217	Same as 0-215 except characters 'KBD, UNLK''	Operates 0-208 N5815-370-0521		N17-T 350014- 0172	СТТ	151288	151288	0-217	1	0	0		
0-218	Same as 0-215 except characters "KBD, LOCK"	Operates 0-206 N5815-370-0522		N17-T 350014- 0173	CTT	151289	151289	0-218	1	0	0		
0-219	Same as 0-215 except characters "BREAK"	Operates 0-207 N5815-370-0518		N17-T 350014- 0169	CTT	151290	151290	0-219	1	0	0		
0-220	Same as 0-215 except characters "REPT"	Operates 0-209 N5815-370-0523		N17-T 350014- 0174		151291	151291	0-220	1	0	0		
0-221	KEYLEVER: steel, nickel pl lever w/cellulose acetate butyrate (tenite II) top; irregular shape, round keytop, concave on top and tapered to point on bottom, pressed on one end of lever; approx 2-1/2" lg x 1-1/4" wd x 0.042" thk material o/a, 1/2" diam keytop; mts by irregular shape elongated slot in lower end of lever; green keytop w/white characters "1, Q"	Operates 0-176 N5815-370-0524		N17-T 350014- 0175	СТТ	151292	151292	0-221	1	0	0		
0-222	Same as 0-221 except characters "2, W"	Operates 0-179 N5815-370-0525		N17-T 350014- 0176	CTT	151293	151293	0-222	1	0	0		
0-223	Same as 0-221 except characters "3, E"	Operates 0-182 N5815-370-0526		N17-T 350014- 0177	СТТ	151294	151294	0-223	1	0	0		
0-224	Same as 0-221 except characters "4, R"	Operates 0-185 N5815-370-0600		N17-T 350014- 0251	CTT	151295	151295	0-224	1	0	0		
0-225	Same as 0-221 except characters "5, T"	Operates 0-188 N5815-370-0527		N17-T 350014- 0178	СТТ	151296	151296	0-225	1	0	0		
0-226	Same as 0-221 except characters '6, Y''	Operates 0-191 N5815-370-0528		N17-T 350014- 0179	СТТ	151297	151297	0-226	1	0	0		
0-227	Same as 0-221 except characters "7, U"	Operates 0-194 N5815-370-0529		N17-T 350014- 0180	СТТ	151298	151298	0-227	1	0	0		
0-228	Same as 0-221 except characters "8, I"	Operates 0-197 N5815-370-0530		N17-T 350014- 0181	СТТ	151299	151299	0-228	1	0	0		
0-229	Same as 0-221 except characters '9, O'	Operates 0-200 N5815-370-0531		N17-T 350014- 0182	СТТ	151300	151300	0-229	1	0	0		

		PARTS								SI	PARE	PA	RT
YMBOL DESIG.	NAME OF PART	FUNCTION AND	JAN OR NAVY TYPE	STANDARD NAVY	TL	NUFAC- JRERS	TELETYPE	ALL SYMBOL DESIGNATIONS	FOUR.	EQ	UIP.	ST	_
	DESCRIPTION	FEDERAL STOCK NUMBER	DESIGNATION	STOCK NUMBER	300E	DESIG.	PART NO.	INVOLVED	TOTAL PER EQU	ğ	QUAN.	BOX	_
)-230	Same as 0-221 except characters "Ø, P"	Operates 0-203 N5815-370-0532	-	N17-T 350014- 0183	СТІ	151301	151301	0-230	1	0	0		
)-231	KEYLEVER: steel, nickel pl lever w/cellulose acetate butyrate (tenite II) top;irregular shape, round keytop concave on top & tapered to point on bottom, pressed on one end of lever; approx $2-1/4$ " $\lg x 1/2$ " diam keytop o/a, 0.042" thk material; mts by irregular shape elongated slot in lower end of lever; green keytop w/white characters "-, A"	Operates 0-177 N5815-370-0533		N17-T 350014- 0184		151302	151302	0-231	1	0	0		
-232	Same as 0-231 except characters "BELL, S"	Operates 0-180 N5815-370-0534		N17-T 350014- 0185	СТТ	151303	151303	0-232	1	0	0		
-233	Same as 0-231 except characters "\$, D"	Operates 0-183 N5815-370-0535		N17-T 350014- 0186	СТТ	151304	151304	0-233	1	0	0		
- 23 4	Same as 0-231 except characters "!, F"	Operates 0-186 N5815-370-0536		N17-T 350014- 0187	СТТ	151305	151305	0-234	1	0	0		
-235	Same as 0-231 except characters "&, G"	Operates 0-189 N5815-370-0577		N17-T 350014- 0228	СТТ	151306	151306	0-235	1	0	0		
)-236	Same as 0-231 except characters "blank, H"	Operates 0-192 N5815-370-0578		N17-T 350014- 0229	СТТ	151307	151307	0-236	1	0	0		
)-237	Same as 0-231 except characters "' , J"	Operates 0-195 N5815-370-0579		N17-T 350014- 0230	СТТ	151308	151308	0-237	1	0	. 0		
-238	Same as 0-231 except characters " (, K"	Operates 0-198 N5815-370-0460		N17-T 350014- 0111	СТТ	151309	151309	0-238	1	0	0		
-239	Same as 0-231 except characters "), L"	Operates 0-201 N5815-370-0459		N17-T 350014- 0110	СТТ	151310	151310	0-239	1	0	0		

0-240	Same as 0-231 except characters "CAR RET"	Operates 0-204 N5815-370-0458		N17-T 350014- 0109	стт	151311	151311	0-240		1	0	0	
0-241	KEYLEVER: steel, nickel pl lever w/cellulose acetate butyrate (tenite II) top; irregular shape, round keytop concave on top & tapered to point on bottom, pressed on one end of lever; approx 1-5/8" lg x 1-1/4" wd x 0.042" thk material o/a, 1/2" diam keytop; mts by irregular shape elongated slot in lower end of lever; green keytop w/white characters "FIGS"	Operates 0-175 N5815-370-0457	÷	N17-T 350014- 0108	CTI	151312	151312	0-241		1	0	0	
0-242	Same as 0-241 except characters "", Z"	Operates 0-178 N5815-370-0456		N17-T 350014- 0107	СТІ	151313	151313	0-242		1	0	0	
0-243	Same as 0-241 except characters "/, X"	Operates 0-181 N5815-370-0455		N17-T 350014- 0106	СТТ	151314	151314	0-243	,	1	0	0	
0-244	Same as 0-241 except characters ": , C"	Operates 0-184 N5815-370-0454		N17-T 350014- 0105	СТТ	151315	151315	0-244		1	0	0	
0-245	Same as 0-241 except characters ";, V"	Operates 0-187 N5815-370-0453		N17-T 350014- 0104	СТТ	151316	151316	0-245		1	0	0	
0-246	Same as 0-241 except characters "?, B"	Operates 0-190 N5815-370-0452		N17-T 350014- 0103	СТТ	151317	151317	0-246		1	0	0	
0-247	Same as 0-241 except characters ", , N"	Operates 0-193 N5815-370-0451		N17-T 350014- 0102	СТТ	151318	151318	0-247		1	0	0	
0-248	Same as 0-241 except characters ". , M"	Operates 0-196 N5815-370-0450		N17-T 350014- 0101	СТТ	151319	151319	0-248		1	0	0	
0-249	Same as 0-241 except characters "LTRS"	Operates 0-199 N5815-370-0599		N17-T 350014- 0250	СТТ	151320	151320	0-249		1	0	0	
0-250	Same as 0-241 except characters "LINE FEED"	Operates 0-202 N5815-370-0598		N17-T 350014- 0249	СТТ	151321	151321	0-250		1	0	0	
0-251	Same as 0-241 except no characters	Operates 0-205 N5815-370-0597		N17-T 350014- 0248	CTT	151322	151322	0-251		1	0	0	

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		PARTS								SI	PARE	E PA	ARTS
YMBOL DESIG.	NAME OF PART AND DESCRIPTION	FUNCTION AND FEDERAL STOCK NUMBER	JAN OR NAVY TYPE DESIGNATION	STANDARD NAVY STOCK NUMBER		NUFAC- IRERS DESIG.	TELETYPE PART NO.	ALL SYMBOL DESIGNATIONS INVOLVED	TOTAL NO.	EQ X Og	UIP.	sī X Q	OCK
- 252	PLATE: steel, nickel pl; cutout one side, elongated slot one end, one elongated body hole & three tapped holes irregularly spaced; approx 4-7/16" lg x 2-1/4" wd x 0.095" thk o/a; mts by one tapped hole	Nut plate for 0-253 N5815-370-1041		N17-T 350014- 0710	СТТ	151219	151219	0-252	1	0	0		
- 253	BEARING, bail: single row radial; light duty; approx 3/4" OD x 5/16" ID x 1/4" thk bearing pressed into approx 4" lg x 1-23/32" h x 1-15/16" wd o/a "U" shaped bracket; 8 balls, packed w/std slush grease; std fit; A. F. B. M. A. spectol	Bearing and support for 0-255 or 0-275 N5815-370-0138		N17-T 350013- 0682	СТТ	151228	151228	0-253	1	0	0		
- 254	BEARING, ball: single row radial; plain; medium duty; approx 3/8" bore x 7/8" OD x 7/32" wd; 8 balls; packed w/std slush grease; standard fit; standard tolerance	Bearing for 0-255 or 0-275		G3110- 155-9645	Nor- ma- Hoff	S-3R	104827	0-254	1	0	0		
- 255	SHAFT: steel, nickel pl; head w/flange w/2 tapped holes one end, shoulder and threaded shank other end, tapped hole through body; approx 2-3/32" lg x 1" diam o/a; mts by 9/32" lg threaded shank	Drives 0-257 and 0-258 through A-117 and 0-262 N5815-330-9052		N17-T 350016- 0162	СТТ	151896	151896	0-255	1	0	0		
257	GEAR: spur type; steel, nickel pl; helical teeth; RH; 48 teeth; 26 pitch, 1.92" PD; 2" OD, 15/32" bore, 5/16" thk; concave face; hub 9/16" diam x 13/32" lg; mts by bore	Drives 0-1843 when engaged with 0-262 N5815-092-1418		N17-T 350016- 0169	СТТ	151894	151894	0-257	1	0	0		
258	BUSHING: steel, nickel pl; female; approx 9/16" lg x 3/4" OD x 3/8" ID o/a, short eccentric shank on one side of shoulder	Drives 0-260 N5815-320-8110		N17-T 350016- 0163	стт	151895	151895	0-258	1	0	0		
259	WASHER, felt: hard, white felt; round, approx 1/8" thk x 1" OD x 3/4" ID o/a	Lubricates 0-258 and 0-260 N5815-370-0153		N17-T 350013- 0697	СТТ	151245	151245	0-259	1	1	1		
260	PAWL; steel, nickel pl; irregular shape, one end curved and formed, other end large and rounded w/lg thin arm, rounded ear w/body hole in approx ctr of body; approx 5-1/2" lg x 1-1/4" h x 7/16" wd o/a, 0.050" thk material; mts by body hole in rounded end	Steps 0-121 and 0-122 N5815-370-0151	·	N17-T 350013- 0695	СТТ	151243	151243	0-260	1	0	0		

8-123

PARTS LISTS

0-261	SPRING: helical extension type; 0.018" diam music wire; approx 5/8" lg x 5/32" OF o/a; approx 21 turns; parallel hook terminals; mts by terminals	Applies tension to 0-260 N5815-369-9397	·	N17-T 350006- 0310	СТТ	110436	110436	0-261,	0-1620	2	1	1,	
0-262	LEVER: steel, nickel pl; irregular shape, slot in thin end; approx 1-9/16" lg x 11/16" h x 0.095" thk o/a; mts by body hole	Drives 0-257 when engaged, disengages when 0-257 is overloaded N5815-092-1419	.·	N17-T 350016- 0161	СТТ	151897	151897	0-262		1	0	0,	
0-263	SPRING: helical extension type; 0.031" diam music wire; approx 1" lg x 3/16" diam o/a; approx 20 turns; hook terminals, indexed 90°			N17-T 350016- 0155	СТТ	151898	151898	0-263		1	0	0	
0-264	GEAR: spur type; steel, nickel pl; helical teeth; RH; 48 teeth; 26 pitch, 1.92" PD; approx 2" OD x 3/8" ID x 9/16" thk o/a; straight face; hub 9/16" OD; mts by 12	Drives 0-1843 N5815-370-0800		N17-T 350014- 0466	СТТ	151129	151129	0-264		1	0	0	
0-265	GEAR: spur type; steel; helical teeth; LH; 17 teeth; 30 pitch, 0.62" PD; approx 11/16" OD x 3/8" ID x 1-1/16" lg o/a; straight face; hub 17/32" OD x 9/16" lg; mts by ID and ctb hole in hub; "151132" stamped in hub	Drives 0-266 at 75 wpm N5815-320-8136		N17-T 350016- 0107	СТТ	151132	151132	0-265		1	0	Ö	
0-266	GEAR: spur type; natural color bakelite; helical teeth; RH; 93 teeth; 30 pitch, 3.39" PD; approx 3-15/32" OD x 1/2" ID x 5/16" thk o/a; concave face; mts by ID and 2 body holes "151133" stamped in face	Drives 0-255 or 0-275 N5815-320-8134		N17-T 350016- 0108	СТТ	151133	151133	0-266		1	0	0	
0-267	GEAR: spur; steel, helical teeth; LH; 14 teeth; 30 pitch, 0.51" PD; approx 9/16" OD x 3/8" ID x 1-1/16" lg o/a; straight face; hub 17/32" diam x 9/16" lg; mts by ID and ctb hole in hub; "151130" stamped on hub	Drives 0-269 at 60 wpm N5815-370-0801		N17-T 350014- 0467	СТТ	151130	151130	0-267		1	0	0	
0-268	GEAR: spur; steel; helical teeth; LH; 20 teeth; 28 pitch, 0.77" PD; approx 27/32" OD x 3/8" ID x 1-1/16" lg o/a; straight face; hub 9/16" lg x 17/32" ID; mts by hub and ctb body hole; "151134" stamped on hub	Drives 0-270 at 100 wpm N5815-370-0773		N17-T 350014- 0439	СТТ	151134	151134	0-268		1	0,	0	
0-269	GEAR: spur; natural color bakelite; helical teeth; RH; 96 teeth; 30 pitch; 3.50" PD; approx 3-9/16" OD x 1/2" ID x 5/16" thk o/a; concave face; mts by ID and two body holes "151131" stamped on face	Drives 0-255 or 0-275 N5815-370-0802		N17-T 350014- 0468	CTI	151131	151131	0-269		1	0	0	
0-270	GEAR: spur; natural color bakelite; helical teeth; RH; 84 teeth; 28 pitch, 3. 24" PD; approx 3-5/16" OD x 1/2" ID x 5/16" thk o/a; concave face; mts by ID & two body holes "151135" stamped on face	Drives 0-255 or 0-275 N5815-320-8133	v	N17-T 350014- 0469	CTI	151135	151135	0-270		1,	0	0	

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TABLE 8-4.	COMBINED	PARTS AND	SPARE	PARTS L	.IST
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		PARTS								SI	PARE	PA	RTS
YMBOL DESIG.	NAME OF PART AND DESCRIPTION	FUNCTION AND FEDERAL STOCK NUMBER	JAN OR NAVY TYPE DESIGNATION	STANDARD NAVY STOCK NUMBER		NUFAC- IRERS DESIG.	TELETYPE PART NO.	ALL SYMBOL DESIGNATIONS INVOLVED	TOTAL NO.	EQ	NIP.		OCK OCK
-271	SHAFT: steel, nickel pl; approx 1-11/32" lg x 3/16" OD o/a; mts by two slots near one end	Pivot for 0-272 (If so equipped. See 0-276) N5815-370-1136		N17-T 350014- 0858		151112	151112	0-271	1	0			
272	BAIL: steel, nickel pl; irregular shape, "U" formed, lg side extends horiz, short side extends vert, both ends formed, csk hole in base; approx 3-1/8" lg x 2-13/32" h x 1-15/32" wd o/a, 0.050" thk material; mts by 2 body holes in line	Operates 0-2118 N5815-370-1736		N17-T 350015- 0608	СТТ	151857	151857	0-272	1	0	0		
- 273	SPRING: helical extension; 0. 022" diam music wire; approx 1-1/32" lg x 7/32" diam o/a; approx 27 turns; hook terminals, indexed 90°	Applies tension to 0-272 N5815-370-1048		N17-T 350014- 0720	СТТ	76299	76299	0-273	1	1	1		
-274	SPACER: steel, nickel pl; approx 1/2" OD x 3/8" ID x 1/4" lg o/a; mts by ID	Spaces 0-264 and bearing of 0-253 N5815-370-0798		N17-T 350014- 0464	СТТ	151126	151126	0-274	1	0	0		
-275	SHAFT: steel, nickel pl; c/o head w/flange in middle, body, shoulder and shank; approx 2-1/8" lg x 1" diam o/a; mts by thd shank; flange has 2 tapped holes, tapped hole in body	Drives 0-264 and 0-258 N5815-370-0799		N17-T 350014- 0465	СТТ	151127	151127	0-275	1	0	0		
-276	SHAFT: steel, nickel pl; approx 3-17/32" lg x 3/16" diam o/a; mts by body; 6 slots around circum	Pivot for 0-272 (If so equipped, See 0-271) N5815-320-8232		N17-T 350017- 0506	СТТ	153264	153264	0-276	1	0	0		
277	SHAFT: steel, nickel pl; 3-57/64" lg x 3/16" diam o/a; mts by body; 6 slots around circum	Pivot for 0-279 and 0-283 (If so equipped. See 0-278) N5815-318-5360		N17-T 350017- 0511	СТТ	153244	153244	0-277	1	0	0		
-278	SHAFT: steel, nickel pl; approx 2-1/32" lg x 3/16" diam o/a; mts by 2 slots one end; 2 slots near ctr	Pivot for 0-279 and 0-283 (If so equipped. See 0-277) N5815-370-1738		N17-T 350015- 0610	СТТ	151863	151863	0-278	1	0	0		
- 279	BAIL: steel, nickel pl; irregular shape, "U" formed, both sides extended in oppo- site directions, rounded end w/body hole and csk hole in ctr one side, other side has formed end; approx 1-17/32" lg x 21/32" h x 7/16" wd o/a, 0.042" thk material; mts by 2 body holes in line	Operates 0-206 N5815-370-1785		N17-T 350015- 0660	СТТ	151861	151861	0-279	1	0	0		

0-280	PLUNGER: steel, nickel pl; irregular shape cutout on both sides, body ear one side, one end straight, other end rounded; approx 1-17/32" lg x 7/16" h x 0.065" thk o/a; mts by elongated hole in rounded end	Operates 0-279 N5815-370-0762	N17-T 350014- 0428	СТТ	151115	151115	0-280	1	0	0	
0-281	SPRING: helical extension type; 0.012" diam music wire; approx 9/16" lg x 5/32" OD x 1/8" ID o/a; approx 26 turns; paral- lel hook term ea end; mts by terms	Applies pressure to 0-280 N5340-448-1691	For replacement	t use	SNSN	4703	0-281, 0-770, 0-1436	13	1	3	
0-282	SPRING: flat; 0. 022" thk nickel silver; approx 1-3/8" h x 1" lg x 5/16" wd o/a; mtd by open slot curved end & closed slot straight end; "U" shaped w/formed ear at one end	Applies tension to 0-279 N5815-370-0167	N17-T 350013- 0711	CTI	151352	151352	0-282	1	0	0	
0-283	BAIL: steel, nickel pl; irregular shape, "U" formed at approx ctr, one end formed, stud riveted to other end; approx 3" lg x 2-21/32" h x 21/32" wd o/a, 0.050" thk material; mts by 2 body holes in line	Operates 0-284 N5815-370-1783	N17-T 350015- 0658	CTI	151858	151858	0-283	1	0	0	
0-284	LINK: steel, nickel pl; irregular shape, one end slants up and formed, other end rounded, csk hole in wd p/o body; approx 3-13/16" lg x 27/32" h x 17/32" wd o/a, 0.042" thk material; mts by body hole in rounded end	Operates 0-1761 N5815-370-1784	N17-T 350015- 0659	CTI	151859	151859	0-284	1	0	0	
0-285	SPRING: helical extension type; 0.018" diam music wire; approx 11/16" lg x 3/16" OD x 5/32" ID; approx 24 turns; hook term ea end, indexed 90°; mts by terms	Applies tension to 0-284 N5815-369-9389	N17-T 350006- 0301	СТТ	112630	112630	0-285	1	1	1	
0-286	SPACER: steel, nickel pl; approx 1/4" OD x 1/8" ID x 1/16" lg o/a; mts by ID	Spaces A-123 and A-125 N5815-370-0162	N17-T 350013- 0706	CTI	151338	151338	0-286	4	0	0	
0-287	RETAINER, ball: steel, nickel pl; elongated thin strip w/formed ear one end, elongated slot near ea end; approx 8-17/32" lg x 15/32" h x 7/32" wd o/a; 0.050" thk material; mts by five equidistant body holes along bottom	Retains 0-288 in channel of A-124 N5815-370-1732	N17-T 350015- 0604	стт	151842	151842	0-287	1	0	0	
0-288	BALL, bearing: steel; spheričal; approx 3/16" diam	Prevents two keylevers from operating at the same time	G3110- 100-6176	СТТ	104710	104710	0-288	43	1	6	
0-289	WEDGE, lock; steel, nickel pl; one end round, other end pointed; approx 1/2" lg x 3/16" wd x 0.050" thk o/a; mts by body hole csk both sides in rounded ends	Locks 0-288 balls until operation completed N5815-370-0775	N17-T 350014- 0441	СТТ	151076	151076	0-289	34	1	2	

		PARTS								SF	PARE	. P.A	RTS
SYMBOL DESIG.	NAME OF PART AND DESCRIPTION	FUNCTION AND FEDERAL STOCK NUMBER	JAN OR NAVY TYPE DESIGNATION	STANDARD NAVY STOCK NUMBER		DESIG.	TELETYPE PART NO.	ALL SYMBOL DESIGNATIONS INVOLVED	TOTAL NO. PER EQUIP.		UIP.	ST X Q	OCK NA OCK
-290	RETAINER, wedge: steel, nickel pl; formed throughout lg near bottom, 42 slots in top, one corner round; approx 8-3/4" lg x 9/16" h x 5/32" wd o/a, 0.035" thk material; mts by body hole near ea end	Retains 0-289 on symbols 0-175 through 0-205 and 0-210 through 0-211 N5815-370-0777		N17-T 350014- 0443	СТТ	151081	151081	0-290	1	0	0		
-291	BAIL: steel, nickel pl; narrow strip, formed both ends w/curved ear, formed at end, extending from side, tapped hole in ear and in both ends of body; approx 3-5/8" lg x 1-1/16" h x 11/16" wd o/a, 0.065" thk material; mts by two body holes in line	Operates 0-292 N5815-370-0731		N17-T 350014- 0397	СТТ	151013	151013	0-291	1	0	0		
- 292	LINK: steel, nickel pl; irregularly curved w/round ends, tapped hole in one end; approx $3-3/16$ " $\lg x \ 1/2$ " h x 0.050" thk o/a; mts by body hole in one end	Operates 0-293 N5815-370-0732		N17-T 350014- 0398	СТТ	151014	151014	0-292	1	0	0		
)-293	LEVER: steel, nickel pl; irregular shaped elongated cutout one end w/formed ear near end, other end rounded; approx 1-7/16" lg x 5/8" h x 1/8" wd o/a, 0.042" thk material; mts by hole in rounded end	Operates 0-210 N5815-370-0766		N17-T 350014- 0432	СТТ	151105	151105	0-293	1	0	0		
-294	BAR, space: cellulose acetate butyrate (tenite II) w/aluminum extensions; irregular shape w/one elongated cutout in ctr and small cutout near ea end, extension mtd in ea end between small and large cutouts; approx 4-1/2" lg x 2" h x 1/2" wd o/a; mts by two holes in line at end of extensions	Operates 0-291 N5815-370-0748	3	N17-T 350014- 0414	СТТ	151045	151045	0-294	1	0	0		
0-295	PLATE, guide: grey bakelite; rectangular shape, 42 keytop guide holes, 2 body holes, 2 ctb holes and 2 slots; approx 12-5/16" lg x 4-1/2" wd x 3/8" thk o/a; mts by 2 ctb holes at ea end	Guide for symbols 0-215 through 0-251 N5815-370-1792		N17-T 350015- 0667	СТТ	151834	151834	0-295	1	0	0		
- 296	STRIP: steel, nickel pl; lg narrow body w/wide ears at ea end; approx 15-1/16" lg x 1-5/16" h x 0.065" thk o/a; mts by elongated hole in ea end ear; 10 tapped holes	Nut plate for A-123 and A-125 N5815-370-0136		N17-T 350013- 0680	СТТ	151226	151226	0-296	1	0	0		
-310	BAIL: steel, nickel pl; "U" formed body, irregularly formed arm extends from base, formed arm w/csk hole extends from largest side; approx 1-1/4" lg x 1-1/16" h x 13/16" wd o/a, 0.065" thk material; mts by 2 holes in line	Completely disengages keyboard clutch N5815-370-2007		N17-T 350015- 0898	СТТ	152493	152493	0-310	1	0	0		

	1										
0-311	SPRING: helical extension type; 0.014" diam music wire; approx 3/4" lg x 3/16" OD o/a; approx 32 turns; hooked terms, indexed 90°	Applies tension to 0-310 N5340-448-4122	N17-T 350004- 0927	СТТ	90260	90260	0-311	1	1	1	
0-313	Same as 0-214	Lubricates H-313, 0-310 and 0-315									
0-314	WASHER, felt: hard, white felt; round, approx 1/16" thk x 3/4" OD x 7/16" ID o/a	Lubricates H-313 and 0-310 N5815-370-0135.	N17-T 350013- 0679	СТТ	151225	151225	0-314	1	1	1	
0-315	BAIL: steel, nickel pl; "U" formed, formed arm one side, small body ear and tapped hole other side, arm w/csk hole on bottom; approx 1-9/16" lg x 17/32" h x 1" wd o/a, 0.050" thk material; mts by ID of hub welded to one side and body hole in line in other side	Operates 0-316 N5815-370-0904	N17-T 350014- 0572		151189	151189	0-315	1	1	1	
0-316	LEVER: steel, nickel pl; irregular shape w/one formed end and two square ears on other end; approx 1-9/16" lg x 7/8" h x 1/4" wd o/a, 0.050" thk material; mts by large hole in rounded p/o body; small body hole below ears	Engages and disengages 0-339 N5815-370-0912	N17-T 350014- 0580		151211	151211	0-316	. 1	0	0	
0-317	Same as 0-131	Applies tension to 0-315						-			
0-318	BAIL: steel, nickel pl: irregular shape, formed all four sides, curved formed arm one side, two rounded ears in line, irregular shaped hole in ctr w/formed wing w/squared cutout one side, 2 tapped holes in wing; approx 1-7/16" lg x 1-7/32" wd x 1/2" h o/a, 0.035" thk material; mts by 2 body holes in line in rounded ears	Operates 0-319 N5815-370-0770	N17-T 350014- 0436	СТТ	151066	151066	0-318	1	0	0	
0-319	EXTENSION, rocker: steel, nickel pl; "L" formed, one side irregularly curved, other side has body ear at end; approx 3/4" lg x 9/16" h x 7/16" wd o/a, 0.035" thk material; mts by one large and one small body hole on straight side of "L"	Disengages 0-376 and 0-378 from 0-371 N5815-370-0792	N17-T 350014- 0458	СТТ	151099	151099	0-319	1	1	1	
0-320	DETENT: steel, nickel pl; irregular shape, rounded arm w/csk hole near rounded end, other end irregular shape w/cutout and body hole; approx 1-3/16" lg x 5/8" wd x 0.050" thk o/a; mts by body hole in rounded end	Mounts 0-321 and stop for 0-318 N5815-370-0348	N17-T 350013- 0896		151216	151216	0-320	1	0	0	
0-321	SHAFT: steel; approx 1/4" lg x 3/32" diam o/a; c/o shank w/slot near end, narrow head, shoulder and body w/two slots	Bearing shaft for 0-322 N5815-370-0914	N17-T 350014- 0582		151215	151215	0-321	1	0	0	
0-322	ROLLER, bail: steel; approx 3/16" OD x 1/16" ID x 1/16" thk o/a; mts by ID	Detent rollers for 0-318 N5815-370-0349	N17-T 350013- 0897		151217	151217	0-322	2	0	0	

		PARTS								SF	ARE	PA	RTS
MBOL	NAME OF PART AND	FUNCTION AND	JAN OR NAVY TYPE	STANDARD NAVY	TU	IUFAC- RERS	TELETYPE	ALL SYMBOL DESIGNATIONS	TOTAL NO. PER EQUIP.	EQ	UIP.	-l	оск І з
ESIG.	DESCRIPTION	FEDERAL STOCK NUMBER	DESIGNATION	STOCK NUMBER	CODE	DESIG.	PART NO.	INVOLVED	TOTA PER 6	BOX	OUAN.	õ	QUAN.
323	SPACER: aluminum; approx 7/16" OD x 5/32" ID x 9/16" lg o/a; mts by ID	Spacer for shaft of H-333 N5815-412-7302		N17-T 350010- 0159	СТТ	91765	91765	0-323	1	0			
324	LEVER: steel, nickel pl; irregular shape, rounded one end, split in two arms other end, hub welded to rounded end, csk hole in round ear; approx 1-5/8" lg x 21/32" h x 13/32" wd o/a, 0.065" thk material; mts by ID of hub	Detent and latch for 0-328 N5815-370-1234		N17-T 350014- 0978	СТТ	151835	151835	0-324	1	0	0		
325	SPRING: helical extension type; 0.014" diam music wire; approx 1/2" lg x 3/16" OD o/a; approx 16 turns; parallel hook terminals	Applies tension to 0-324 N5340-448-2191		N17-T 350006- 0701	СТТ	111342	111342	0-325	1	0	0		
326	WASHER, felt: hard, white felt; round, 7/32" ID x 1/2" OD x 3/64" thk	Lubricates 0-324 N5815-412-9211		N17-T 350013- 0626	СТТ	90679	90679	0-326, 0-1536, 0-2090	5	1	1		
327	LINK: steel, nickel pl; cutout one side, rounded ends; approx 1-5/32" lg x 5/16" wd x 0.042" thk o/a; mts by body hole in ea end	Support link for 0-398 N5815-370-1178		*N17-T 350014- 0901	СТТ	151831	151831	0-327	1	0	0		
328	BAIL: steel, nickel pl; irregular shape, formed all four sides w/two rounded arms extending up, one arm extending past side and rounded ear; approx 1-11/16" lg x 1-15/16" h x 7/8" wd o/a, 0.065" thk material; mts by two body holes in line and tapped hole in ear; body hole csk both sides in ea rounded arm and body hole opposite side of mtg ear, large rectangular hole in ctr of bail	Resets symbols 0-139 through 0-145 and operates 0-149 N5815-370-0771		N17-T 350014- 0437	СТТ	151067	151067	0-328	1	0	0		
329	SPRING: helical extension type; 0.016" diam music wire; approx 23/32" lg x 5/32" OD x 1/8" ID o/a; approx 26 turns; parallel hook term ea end; mts by terms	Applies tension to 0-328 N5340-448-3698		N17-T 350012- 0711	СТТ	49420	49420	0-329, 0-1313	2	1	2		
-330	Same as 0-131	Applies tension to 0-328 and 0-352											
331	Same as 0-214	Lubricates 0-328 and H-338											
332	PLATE, guide: steel, nickel pl; one end round, elongated slot in other end; approx 7/16" lg x 1/4" wd x 0.035" thk o/a; mts by hole in rounded end	Guides 0-352 N5815-370-0743		N17-T 350014- 0409	СТТ	151038	151038	0-332	1	0	0		

0-333	BEARING, roller: single row radial; light duty needle type; cylindrical rollers; 5/32" bore, 9/32" OD, 1/4" wd; packed w/std slush grease; std fit; open end	Detent bearing for 0-324	G3110- 159- 9530	Tori B-2	ington 1/2 4X	151016	0-333	1	0	0	
0-335	PLATE: steel, nickel pl; approx 1-3/4" lg x 3/8" h x 0.083" thk o/a; mts by three tapped holes	Locks back end of A-132 to keyboard base N5815-370-0767	N17-T 350014- 0433	СТТ	151106	151106	0-335	1	0	0	
0-336	SLEEVE, gear: for signal generator; oilite drum, steel nickel pl sleeve and iron drum; sleeve w/24 tooth gear press fitted one end and clutch drum press fitted other end; approx 4-13/16" lg x 1-5/8" OD 5/16" ID o/a; mts by ID; Teletype #151201 lubricating wick inserted in sleeve	Operates keyboard clutch when 0-342 and 0-343 are in engaged position N5815-370-0700	N17-T 350014- 0366	СТТ	151154	151154	0-336	1	0	0	
0-337	DISK: steel, nickel pl; irregular circular shape; approx 1-13/16" largest diam x 5/16" wd o/a, 0.065" thk material; mts by elongated hole and 2 tapped holes in approx ctr; three cutouts and one formed ear on circum, five irregular shaped holes and two elongated slots in disk, one spring post riveted to disk	Drives 0-349 N5815-370-0940	N17-T 350014- 0608	СТТ	150028	150028	0-337, 0-1793, 0-1883	3	1	1	
0-338	ARM: steel, nickel pl; irregular "C" shaped; approx 1-1/4" lg x 1-3/16" wd x 1/4" h o/a, 0.065" thk material; mts by two tapped holes; two cutouts and formed ear inside of "C", body ear one end of "C"	Drives 0-337 N5815-370-0937	N17-T 350014- 0605	СТТ	150013	150013	0-338, 0-1795, 0-1809, 0-1884	4	1	1	
0-339	LEVER: steel, nickel pl; irregular shape, two ears "U" formed one end, other end formed; approx 1-11/16" ig x 13/16" h x 7/32" wd o/a, 0.042" thk material; mts by "U" formed end; csk hole in rise on lever, body hole near "U" formed end	Engages and disengages 0-342 and 0-343 N5815-370-0939	N17-T 350014- 0607	СТТ	150026	150026	0-339, 0-1810, 0-1886	3	1	2	
0-340	SPRING: helical extension type; 0.017" diam music wire; approx 13/16" lg x 1/8" OD o/a; approx 34 turns; hook terms, indexed 90°; mts by terms	Applies tension to 0-339 N5815-370-1198	N17-T 350014- 0926	СТТ	151728	151728	0-340, 0-1794, 0-1811, 0-1885	4	1	4	
0-341	WICK: lubrication wick, hard, white felt; approx 5/8" lg x 9/32" wd x 1/32" thk o/a; slit in ctr, elongated arm tapered on end on one side of body	Lubricates keyboard clutch mechanism N5815-697-9389	N17-T 350013- 0813	СТТ	150029	150029	0-341, 0-1797, 0-1812 0-1832, 0-1855, 0-1873, 0-1887	7	1	2	
0-342	SHOE, clutch: steel; irregularly cutout on one edge, other edge straight w/heel near one end, irregularly dished out on both sides; approx 1-1/4" lg x 5/8" wd x 1/16" thk o/a; mts by cutout edge; one body hole csk both sides, primary shoe	Permits 0-343 to drive 0-338 when in engaged position N5815-370-1060	N17-T 350014- 0749			150044	0-342, 0-1799, 0-1814, 0-1837, 0-1858, 0-1876, 0-1889	7	1	1	
			If failt replac	re oc emen	curs, do	naintenance not reque the item c ed."	est				

TABLE 8-4. COMBINED PA	TS AND SPARI	PARTS LIST
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		PARTS								_	ARE	PA	RTS
MBOL DESIG.	NAME OF PART AND DESCRIPTION	FUNCTION AND FEDERAL STOCK NUMBER	JAN OR NAVY TYPE DESIGNATION	STANDARD NAVY STOCK NUMBER		DESIG.	TELETYPE PART NO.	ALL SYMBOL DESIGNATIONS INVOLVED	TOTAL NO.	EQ:		STO X O	OCK NAW
343	SHOE, clutch; steel; irregularly cutout and notched on one edge, other edge straight w/heel at one end, irregularly dished out on both sides; approx 1-5/16" Ig x 5/8" wd x 1/16" thk o/a; mts by cutout edge; one body hole csk both sides, secondary shoe	Drives 0-338 when in engaged position N5815-370-1059		N17-T 350014- 0748	CTI	150043	150043	0-343, 0-1798, 0-1813, 0-1836, 0-1857, 0-1875, 0-1888	7				
-344	SPRING: helical extension type; 0.018" diam music wire; approx 9/16" lg x 1/8" OD x 3/32" ID o/a; approx 17 turns; parallel hook term ea end	Applies tension to 0-342 and 0-343 N5815-370-0950		N17-T 350014- 0618	СТІ	150241	150241	0-344, 0-1800, 0-1815, 0-1838, 0-1859, 0-1877, 0-1890	7	1	4		
- 34 5	WASHER, felt: hard, white felt; round, approx 3/4" OD x 9/16" ID x 3/32" thk o/a	Lubricates 0-336 and 0-347 N5815-370-1057		N17-T 350014- 0746	сті	120824	120824	0-345	1	1	1		
-346	PLATE: steel, nickelpl; irregular shape w/round cutout on bottom; approx 1-19/32" lg x 1-3/16" h x 0.065" thk o/a; mts by two body holes in two lower corners; large body hole in rounded upper part	Mounts back end of 0-347 and retains 0-336 on 0-347 N5815-370-0759		N17-T 350014- 0425	СТТ	151064	151064	0-346	1	0	0		
-347	SHAFT: steel; approx 7-5/8" lg x 5/16" diam o/a; mts by #10-32 threaded shank ea end	Mounting shaft for 0-336 and 0-349 N5815-370-0826		N17-T 350014- 0493	стт	151157	151157	0-347	1	0	0		
- 348	WASHER, felt: hard, white felt; round, 1/2" ID x 11/16" OD x 1/16" thk	Lubricates H-358 and 0-347 N5815-448-3763		N17-T 350012- 0719	сті	72563	72563	0-348	1	1	1		
349	CAM ASSEMBLY: steel; eccentric cam and shield one end, other end cut flat on two sides w/two slots and shield, 11 cams irregularly spaced and shaped between shields, bushing pressed in place ea end of ID; approx 2-1/4" lg x 1-1/16" OD x 5/16" ID o/a; mts by ID; two body holes in thicker shield	Drives 0-352 and operates 0-310, 0-371 and symbols 0-404 through 0-410 N5815-370-0808		N17-T 350014- 0475	CTI	151151	151151	0-349	1	0	0		
-350	WICK: oil wick; hard, white felt; approx 2-1/8" lg x 5/16" wd x 1/16" thk o/a	Lubricates 0-349 N5815-370-0160		N17-T 350013- 0704	СТІ	151333	151333	0-350	1	0	0		
351	SPRING: helical extension type; 0. 014" diam music wire; approx 1-7/8" lg x 1/8" OD x 3/32" ID; approx 118 turns; parallel hook term ea end; mts by term	Retains 0-350 on 0-349 N5340-260-3498		N17-S 046762- 1032	СТТ	109631	109631	0-351	1	1	1		

0-352 FOLLOWER, eccentric: steel, nickel pi;

Resets 0-328 through 0-332

CTT 151068 151068

0-352

N17-T

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		PARTS								SF	ARE	E PA	RTS
SYMBOL DESIG.	NAME OF PART AND	FUNCTION AND	JAN OR NAVY TYPE	STANDARD NAVY STOCK	TU	NUFAC- IRERS	TELETYPE PART NO.	ALL SYMBOL DESIGNATIONS	TOTAL NO.		UIP.	-	OCK
	DESCRIPTION	FEDERAL STOCK NUMBER	DESIGNATION	NUMBER	CODE	DESIG.		INVOLVED	PET	¥ S	OUAN.	ğ	OUAN
0-375	PLATE: steel, nickel pl; one end formed, other end rounded, one body ear, stud riveted to plate; approx 15/16" lg x 3/16" h x 3/8" wd o/a, 0.035" thk material; mts by two elongated holes; two holes csk one side in formed end, stud has slot w/cutout	Pivot for 0-376 and 0-378 and anchor for 0-377 and 0-379 N5815-370-0909		N17-T 350014- 0577	СТТ	151205	151205	0-375	1	0	0		
-376	LEVER: steel, nickel pl; irregular shape w/two cutouts and two ears; approx 1-3/8" lg x 9/16" h x 0.031" thk o/a; mts by body hole csk both sides	Operates 0-373 N5815-370-0749		N17-T 350014- 0415	СТТ	151051	151051	0-376, 0-378	2	1	2		
0-377	SPRING: helical extension type; 0. 012" diam music wire; approx 1/8" diam x 1/2" lg o/a; approx 19 turns; hook terms, indexed 90°; mts by terms	Applies tension to 0-376 N5815-370-1566		N17-T 350015- 0425	СТТ	151395	151395	0-377, 0-379	2	1	1		
0-378	Same as 0-376	Operates 0-373	<u> </u> 										
0-379	Same as 0-377	Applies tension to 0-378											
)-380	LEVER: steel, nickelpl; irregular shape, 2 ears one end, formed arm w/csk hole near other end, stud riveted and hub welded to body, approx 2" lg x 2-1/4" h x 11/32" wd o/a; 0.065" thk material; mts by ID of hub	Operates 0-373 on "BREAK" N5815-332-8850		N17-T 350016- 0112	СТТ	152815	152815	0-380	1	0	0		
0-381	SPRING: helical extension type; 0, 014" diam music wire; approx 21/32" lg x 5/32" OD x 1/8" ID o/a; approx 24 turns; parallel hook term ea end; mts by terms	Applies tension to 0-380 N5340-448-1691		N17-T 350006- 0523	СТТ	80581	80581	0-381, 0-2038, 0-2114	3	1	1		
0-382	ROD, break: steel, nickel pl; bent in approx ctr, eye loop one end; approx 2-3/16" lg x 9/16" wd x 0.078" diam o/a; mts by straight end	Operates 0-380 N5815-370-0915		N17-T 350014- 0583	СТТ	151218	151218	0-382	1	0	0		
0-383	TOGGLE: steel, nickel pl; irregular shape, one end rounded, other end formed to hook; approx 2-9/16" lg x 3/4" wd x 3/8" h o/a, 0.050" thk material; mts by hole in rounded end; "V" shaped cutout on end of rectangular cutout and 2 tungsten points brased on 2 ears at formed end	Sends spacing and marking impulses by making and breaking with E-111 contact screws N5815-370-0818		N17-T 350014- 0485	СТТ	151171	151171	0-383	1	0	0		

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0-384	LINK, toggle: steel, nickel pl; irregular shape w/ear on ea end; approx 1-1/16" lg x 5/16" h x 5/16" wd o/a, 0.042" thk material; mts by ears; formed both ends, 2 body holes	Holds 0-383 in position to make and break with E-111 N5815-370-0812		N17-T 350014- 0479	СТТ	151180	151180	0-384	1	1	1
0-385	SPRING: helical extension type; 0.020" diam music wire; approx 23/32" lg x 1/8" OD o/a; approx 23 turns; hook terms, indexed 90°; mts by terms	Applies tension to 0-384 N5815-370-1162		N17-T 350014- 0885	CTT	151820	151820	0-385	1	1	1
0-386	GUIDE: steel, nickel pl; "L" shaped; approx 9/16" lg x 11/32" h x 11/32" wd o/a; 0.035" thk m.terial; mts by 2 tapped holes; rectangular cutouts on side	Guide for 0-387 N5815-370-0901		N17-T 350014- 0569	СТТ	151185	151185	0-386	1	0	0
0-387	EXTENSION, toggle: steel, nickel pl; irregular shape w/one curved and one hook shaped end; approx 1-7/16" ig x 9/32" h x 0.042" thk o/a; mts by tapped hole in one end and hook section on other end; 2 elongated cutouts on one side	Operates 0-383 N5815-370-0900		N17-T 350014- 0568	СТТ	151184	151184	0-387	1	0	0
0-388	GUIDE, lever: steel, nickel pl; both ends formed, wing on both sides, 8 body holes and three cutouts w/8 slots one end, 8 slots in other end, 8 slots and one rectangular shaped hole in body, three body holes in larger wings approx 1-11/16" lg x 1-1/32" wd x 7/8" h o/a, 0.035" thk material; mts by two holes in line in formed wings	Guide for symbols 0-390 through 0-396 and 0-404 through 0-410 and spring anchor for 0-397 N5815-370-0517		N17-T 350014- 0168	СТТ	151188	151188	0-388	1	0	0
0-389	SHAFT: steel, nickel pl; approx $1/8$ " diam x 1-1/8" lg o/a; mts by 2 grooves near one end	Pivot and stop for symbols 0-390 through 0-396 N5815-370-0822		N17-T 350014- 0489	СТТ	151161	151161	0-389	1	0	0
0-390	LEVER: steel, nickel pl; irregular shape w/two cutouts, pointed ear one end, thickened section other end; approx 2-1/16" lg x 7/16" h x 5/64" wd o/a, 0.042" thk material; mts by irregular shaped cutout near pointed ear; body hole csk both sides near thk end	Positions 0-404 N5815-370-0751		N17-T 350014- 0417	СТТ	151053	151053	0-390 through 0-396	7	0	0
0-391	Same as 0-390	Positions 0-405									
0-392	Same as 0-390	Holds 0-406 in position									
0-393	Same as 0-390	Positions 0-407									
0-394	Same as 0-390	Positions 0-408									
0-395	Same 25 0-390	Positions 0-409				i					
0-396	Same as 0-390	Holds 0-410 in position						Į.			
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Section >-397—0.

SPARE PARTS

TABLE 8-4. COMBINED PARTS AND SPARE PARTS LIST

PARTS

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0-407	Same as 0-404	Operates 0-318							Í.			
0-408	Same as 0-404	Operates 0-318							i			-
0-409	Same as 0-404	Operates 0-318										1
0-410	Same as 0-404	Operates 0-318										
0-411	SPRING: helical extension type; 0.0009" diam music wire; approx 21/32" lg x 3/32" diam o/a; approx 54 turns; hook terminals, indexed 900	Applies tension to symbols 0-404 through 0-410 N5340-312-8970		N17-S 046761- 6791	СТТ	151397	151397	0-411	7	1	7	
0-501	STATOR, motor: steel, cad pl shell; approx 4-1/8" lg x 3-3/4" OD x 2" ID o/a; mts by rims at both ends and two body holes through stator core; twelve elongated slots and body hole w/raised rim one end, 13 elongated slots other end	Operates E-501 N5815-370-0261		N17-T 350013- 0808	СТТ	122251	122251	0-501	1	0	0	
0-502	END-BELL: aluminum; irregular shape, front has four irregular shaped holes and boss on lower half, two rounded rises w/ball oiler at end in upper half, vibration mount extends in front, back irregular shape w/baffle; approx 3-7/8" OD x 7/16" ID x 1-3/8" Ig o/a; mts by body hole in ea of two depressions	End bells for 0-501 N6150-260-5637		N17- E 039047- 4401	СТТ	122252	122252	0-502	2	0	0	
0-503	SPRING: motor type; 0.086" diam steel wire approx 1/2" lg x 1-1/8" OD x 5/8" ID o/a; three turns; square ends; coil diam increases from first to last turn	Applies pressure to E-501 or E-601 N5340-448-3751		N17-T 350007- 0593	СТТ	71999	71999	0-503	1	0	0	
0-504	BEARING, ball; single row radial; single shield; light duty; 0.3937" bore, 1.1811" OD, 0.3543" wd; 7 balls; packed w/beacon 325 grease; std fit; ABEC-1 std tol	Rotor bearings for 0-502 or armature bearing for 0-602 and 0-603		G3110- 144-8990		122201	122201	0-504	2	0	0	
0-601	STATOR, motor: steel, cad pl shell; two windings in ID; approx 3-1/8" lg x 3-7/8" OD x 2-5/8" ID o/a; mts by rims and two body holes through core	Operates E-601 N5815-370-0847		N17-T 350014- 0515	СТТ	122221	122221	0-601	1	0	0	
0-602	END-BELL: irregular shape, front has four irregular shaped holes and boss on lower half; two rounded extrusions w/ball oilers in ea on upper half, vibration mount extends in front, electrostatic shield w/#40 brass screen on back; approx 3-13/16" OD x 7/16" ID x 1-3/16" Ig o/a; mts by elongated hole in ea of two opposite cutouts; body hole near ID	End bell for 0-601 N6150-260-5638	,	N17-E 039047- 4501	СТТ	122253	122253	0-602	1	0	O	

		PARTS								SF	ARE	PA	RTS
YMBOL DESIG.	NAME OF PART AND DESCRIPTION	FUNCTION AND FEDERAL STOCK NUMBER	JAN OR NAVY TYPE DESIGNATION	STANDARD NAVY STOCK		NUFAC- IRERS DESIG.	TELETYPE PART NO.	ALL SYMBOL DESIGNATIONS INVOLVED	TOTAL NO. PER EQUIP.	EQ XO8	UIP.	ST XO	OCK NAV
	END-BELL: aluminum; round, 3 irregular shape holes, 3 bosses, #153030 cushion ring, 2 cutouts and two #153101 grommets in front, 2 internal rises at rear, two #122206 brush holders retained by two #153102 set screws, two #122220 oil cups and #153031 bushing on circum; approx 2-9/16" lg x 3-7/8" OD x 3/8" ID; mts by two #8-32 holes from rear; tapped and drilled to accom name plate and motor parts	End bell for 0-601 and mounts A-601, A-605, H-607 and part of series circuit N6150-370-1365		N17-T 350015- 0215		122200	122200	0-603	1	0		<u> </u>	<u>no</u>
	CAP: brass w/bakelite insulator; 3/4" - 24 internal thread one-half length, knurled other half, slot in ctr; approx 5/16" lg x 3/4" OD x 5/8" ID in threaded end only; mts by threaded portion; bakelite disc inserted inside cap	Retains E-607 and E-608 in H-607 N5815-370-0256		N17-T 350013- 0803	СТТ	122204	122204	0-604	2	0	0		
	SPRING: torsion type; 0.022" diam music wire; approx 1" lg x 1/8" h x 3/8" wd o/a; 4 turns; right hand turns; ends extended, one curved; mts by ends	Applies pressure to E-604 N5815-370-0719		N17-T 350014- 0385	CTT	150880	150880	0-605	1	1	1		
-606	SPACER: steel, nickel pl; approx 3/8" lg x 5/16" OD x 1/8" ID o/a; mts by ID	Spaces one end of A-605 from 0-603 N5815-370-0716		N17-T 350014- 0382	СТТ	150873	150873	0-606	1	0	0		
-607	SPRING: torsion type; 0.022" diam music wire; approx 1" lg x 1/8" h x 3/8" wd o/a; 4 turns; left hand turns, ends extended, one curved; mts by ends	Applies pressure to E-605 N5815-370-0649		N17-T 350014- 0313	СТТ	150881	150881	0-607	1	1	1	-	
-608	SPRING: flat type; 0.010" thk nickel silver; approx 1-3/4" lg x 5/8" wd x 1/4" h o/a; 5 equally spaced ripples	Applies pressure to and spaces C-603 and Z-601 N5815-370-1239		N17-T 350014- 0983	СТТ	152078	152078	0-608	1	0	0		
	SPRING: helical extension type; 0.051" diam music wire; approx 1-1/4" lg x 1/2" OD x 3/8" ID o/a; approx 23 turns; mts by tapped hole in anchor soldered to ea end	Applies tension to E-611 N5815-370-0714		N17-T 350014- 0380	СТТ	150869	150869	0-613	1	1	1		
)-614	BUSHING: adjustment setting for contact; bakelite; male and female; approx 5/8" lg x 3/8" OD x 1/8" ID 1/16" off ctr	Adjustable stop for E-611 N5815-370-0707		N17-T 350014- 0373	СТТ	150853	150853	0-614	1	0	0		
	RING, cushion; neoprene cushion, steel, brass pl rings; approx 1-13/16" OD x 1-7/32" ID x 11/32" wd o/a; mts by ID; 3 equidistant cutouts in one side of cushion, groove in circum	B-601 vibration mount N5815-332-4600		N17-T 350016- 0729	СТТ	153030	153030	0-615	2	0	0		

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	CUP, oil: brass; approx 5/16" lg x 5/16" diam o/a; 9/32" lg shank; drive type, 1/4" diam shaft; regulated by ball	B-601 oiler	**	Gits oil- cup	521	122220	0-616	2	0	0		
0-617	BUSHING: for motor leads; steel, cad pl; male; approx 5/16" lg x 5/8" wd across flats x 3/8" ID o/a, 1/2" -24 threaded shank 3/16" lg	Bushing for B-601 leads N5975-644-2893	N17- 3500 0754	16-	153031	153031	0-617	1	0	0		
1	symbo	L DESIGNATIONS 0-751 THRO	OUGH 0-777 USED ON	CY-870/	UG AND	CY-871/U	G CABINETS					
0-751	SHIELD, light: nickel silver; "U" formed spring clamp welded on ea end of a narrow slightly curved strip; approx 8-1/4" lg x 11/16" wd x 7/8" h; mts by spring clamps	Shield for E-751 and E-752 N5815-370-1175	N17- 3500 0898	14-	151983	151983	0-751	2	0	0		
ł	SPRING: torsion type; 0.067" diam music wire; approx 1-1/16" lg x 11/16" wd x 7/16" h o/a; approx 9 turns; LH turns; one hook and one straight term; straight ends; mts by term	Applies pressure to dome lid N5815-370-0919	N17- 3500 0587	14-	151538	151538	0-752	2	1	2		
0-753	ARM: steel, nickel pl; irregular shape, one end curved, irregular shaped cutout near other end; approx 8" lg x 3/4" wd x 0.062" thk o/a; mts by hole near curved end	Supports back end of keyboard base when raised N5815-370-1073	N17- 3500 0764	14-	151519	151519	0-753	2	0	0		
0-754	GASKET: cabinet dome; black neoprone sponge rubber; approx 65" lg (spliced to form circle) x 7/16" h x 3/16" thk	Noise seal for dome N5815-370-1069	*N17- 3500 0760	14-	151505	151505	0-754	1	0	0		
0-755	GASKET: black neoprone sponge rubber; irregular shape; approx 35" lg w/5/16" base, one side 9/32" h, other side 1/8" h; slot in center entire length	Noise seal for dome lid N5815-370-1068	*N17- 3500 0759	14-	151504	151504	0-755	1	0	0		
0-766	COPYHOLDER: SS; approx 12" lg x 2-3/4" h x 7/16" wd o/a, material 0.050" thk; mts by slots in formed up ears at each end of base; "TELETYPE" etched in 1/4" characters on base and filled with gray lacquer; top formed over, center cutout 2-1/4" h x 11-1/8" lg	Holds copy to cabinet dome N5815-351-3048	N17- 3500 0771	14-	151537	151537	0-766	1	0	0		
	SPRING: helical compression type; 0.026" diam music wire; approx 3/8" lg x 1/4" OD x 3/16" ID o/a; 4 turns; flat ends; mts on ID	Applies pressure to 0-766 N5815-370-1081	N17- 3500 0774	14-	151548	151548	0-767	2	0	0		
0-768	ARM: steel, nickel pl; c/o two irregularly formed arms riveted together; approx 5" lg x $7/16$ " wd x $5/8$ " h o/a; mts by body hole on ea end	Holds dome lid open N5815-370-1087	N17- 3500 0781	14-	151576	151576	0-768	1	0	0		
			If f	ailure oc	curs, do t unless	naintenanc not reque the item c ed."	st annot be	requii	ed : ESO	requ ref	tem - isition erencia 180A.	

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	- IAI	BLE 8-4. COMBINED	TAKIS AIT	JEAR		KIJ L				-			_
	1	PARTS	1	1	MAI	NUFAC-		ı	1	⊢	ARE	_	
SYMBOL DESIG.	NAME OF PART AND DESCRIPTION	FUNCTION AND FEDERAL STOCK NUMBER	JAN OR NAVY TYPE DESIGNATION	STANDARD NAVY STOCK NUMBER		DESIG.	TELETYPE PART NO.	ALL SYMBOL DESIGNATIONS INVOLVED	TOTAL NO.	BOX B	OIP.	ST OX	OCK
	SPRING: torsion type; 0.045" diam music wire; approx 2-1-16" lg x 1/2" h x 1-1/16" wd o/a; 5 turns; PH turns; 2 hook term; straight ends; mts by terms	Applies pressure to 0-768 N5815-370-1141		N17-T 350014- 0863	СТТ	151547	151547	0-769	1	1	1		
-770	Same as 0-281	Applies tension to E-758											
)-771	BUSHING: steel, nickel pl; male and female; approx 1/8" lg x 3/8" OD x 5/32" ID o/a, 3/16" diam shoulder	Bushing for I-752 N5815-370-1085		N17-T 350014- 0778	СТТ	151565	151565	0-771	1	0	0		
	PAD, silencing: fiber glass; rectangular shape, cutout in one corner, one round and two rectangular cutouts in center; approx 15-1/2" lg x 11" wd x 1" thk o/a	Silencing pad N5815-370-1077		N17-T 350014- 0768	СТТ	151533	151533	0-772	1	0	0		
)-773	SHAFT: steel, nickel pl; c/o shaft w/two pronged formed arms welded to cutout near head end, cutout on other end; approx 14-7/8' lg x 1/2" wd x 1" h o/a; mts by slot and cutout at ends	Operates S-1101 N5815-370-1079		N17-T 350014- 0772	СТТ	151541	151541	0-773	1	0	0		
	SPRING: helical extension type; 0. 040" diam music wire; approx 1" lg x 3/8" OD x 9/32" ID o 'a; approx 10 turns; hook term on ea end; mts by terms	Applies tension to 0-773 N5340-307-8711		N17-S 046710- 9634	СТТ	151559	151559	0-774	1	1	1		
-77 5	ARM: steel, nickel pl; c/o two arms riveted together, formed end of one fits in cutout of other, other ends curved; approx 10-1/8" lg x 7/16" wd x 3/8" h o/a, 0.095" thk material; mts by hole at ea end	Holds cabinet dome open N5815-370-1086		N17-T 350014- 0780	СТТ	151575	151575	0-775	1	0	0		
)-776	SPRING: torsion type; 0.045" diam music wire; approx 2-1/16" lg x 3/4" h x 7/32" wd o/a; 1 turn; PH turn; one hook and one straight term; straight ends; mis by terms	Applies pressure to 0-775 N5815-370-0918		N17-T 350014- 0586	СТТ	151528	151528	0-776	1	1	1		
	SPRING: helical extension type; 0.024" diam music wire; approx 7/32" OD x 1 7/32" lg o/a; 34 turns; hook terminals; straight ends; mts by terms	Applies tension to dome latch N5340-448-3881		N17-T 350006- 0455	СТТ	74712	74712	0-777, 0-1755	3	1	3		
	PLATE: aluminum, plain anodized; approx 4-19/32" lg x 2-5/8" wd x 0.064" thk o/a; mts by body hole near ea end; 1/8" h characters "ON, MAINT. ON, OFF LIGHT"; eight round holes, one w/tooth and two w/flat section, one rectangular hole and one cutout rounded at end	Support for J-1101, S-1102 XF-1101, XF-1102 and TB-1101 N5815-370-0186		N17-T 350013- 0731	СТТ	151421	151421	0-1101	1	0	0		

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	PLATE, cover: aluminum, plain anodized; formed on 4 sides, small cutout ea corner; approx 4-13/16" lg x 2-3/4" wd x 3/8" h o/a, 0.064" thk material; 2 body holes ea end	Blank cover for A-1101 N5815-370-0594		N17-T 350014- 0245	СТТ	151441	151441	0-1103		2	0	0	
	PLATE: aluminum, plain anodized; formed on four sides, small cutout on ea corner; approx 4-13/16" lg x 3-3/4" wd x 3/8" h o/a, 0.064" thk material; mts by two elongated slots near ends	Cover for A-1101 and spaces A-1108 and 0-1105 N5815-370-0595	e.	N17-T 350014- 0246	СТТ	151426	151426	0-1104		1	0	0	
	PLATE: aluminum, plain anodized; rectangular shape; approx 4-19/32" lg x 2-7/8" wd x 0.064" thk o/a; mts by body hole at both ends, seven body holes and one elongated cutout w/rounded end	Support for K-1101 and TB-1102 N5815-370-0187		N17-T 350013- 0732	СТТ	151423	151423	0-1105		1	0	0	
	CORE: iron, nickel pl; c/o head, body threaded shank w/slotted end; approx $2-1/16$ " lg x $1/2$ " diam o/a; mts by $5/16$ " - 32 threaded shank	Core for and holds L-1101 and L-1102 to A-1108 N5815-370-0177		N17-T 350013- 0721	СТТ	151402	151402	0-1112		2	0	0	
	SPRING: helical extension type; 0.018" diam music wire; approx 9/16" lg x 1/8" OD o/a; approx 16 turns; parallel hook term ea end	Applies tension to E-1113 N5340,448-3902		N17-T 350006- 0465	СТТ	74882	74882	0-1113, 0-	- 1903	2	0	0	
	LEVER: steel, nickel pl; irregular shaped w/three wings, 2 wings w/cutouts, 3rd wing irregular "L" shaped w/formed ear on end; approx 1-11/16" lg x 1" h x 1/4" wd o/a, 0.050" thk material; mts by two wings w/cutouts; body hole between two wings	Guide for E-1112 N5815-370-0219		N17-T 350013- 0764	СТТ	151408	151408	0-1114		1	0	0	
0-1115	Same as 0-146	Applies tension to 0-1114											
	CLIP, retainer: nickel silver; approx 1" lg x 15/16" h x 3/32" wd o/a, 0.025" thk material; approx 5/8" max, jaw opening; "U" shaped w/formed ear on bottom and cutout on each side	Retains E-1112 to A-1109 N5815-370-0181		N17-T 350013- 0725	СТТ	151410	151410	0-1116, 0-	-1117	2	0	0	
0-1117	Same as 0-1116	Retains E-1113 and 0-1114 to A-1109											
	SPACER: brass tubing; approx 1/4" OD x 1/8" ID x 11/16" lg o/a; mts by ID	Spaces 5-1104 and S-1105 N5815-370-0180		N17-T 350013- 0724	СТТ	151407	151407	0-1118		2	0	0	
	SPRING: helical extension type; 0.014" diam music wire; approx 11/16" lg x 5/32" OD x 1/8" ID o/a; approx 28 turns; hook term ea end, indexed 90°; mts by terms	Applies tension to E-1112 N5340-448-1367		N17-T 350006- 0358	СТТ	3870	3870	0-1119		1	0	0	

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		PARTS								SF	PARE	PA	RTS
YMBOL DESIG.	NAME OF PART AND	FUNCTION AND	JAN OR NAVY TYPE	STANDARD NAVY	TL	NUFAC- RERS	TELETYPE	ALL SYMBOL DESIGNATIONS	TOTAL NO.	EQ	UIP.		оск
DESIG.	DESCRIPTION	FEDERAL STOCK NUMBER	DESIGNATION	STOCK NUMBER	30 OE	DESIG.	PART NO.	INVOLVED	PER	Š	OUAN.	Š	OUAN.
	BAIL: steel, nickel pl; irregularly shaped and formed, "U" shaped one end, hammer welded to other end, two spring notched formed ears; approx 2-7/16" lg x 3/4" h x 7/8" wd o/a, 0.042" thk material; mts by two holes in line in sides of "U"	Supports 0-1303 N5815-370-9859		N17-T 350014- 0527	СТТ	150059	150059	0-1302	1	0	0		
	HEAD, hammer: steel, nickel pl; irregular shape, shank in front, body partly tapered toward shank, curved, flat ear at back; approx 1/2" lg x 7/32" diam o/a; mts by csk hole in ear	Strikes symbols 0-1946 through 0-1995 N5815-370-1145		N17-T 350014- 0867	СТТ	150061	150061	0-1303	1	1	2		
-1304	SPRING: helical extension type; 0.016" diam music wire; approx 3/8" lg x 1/8" OD o/a; approx 10 turns; parallel hook terminals; mts by terminals	Applies tension to 0-1303 N5815-369-9399		N17-T 350006- 0313	СТТ	112633	112633	0-1304	1	1	1		
	WICK: lubricating wick; hard, white felt w/o spring; approx 9/32" lg x 3/32" diam o/a	Lubricates 0-1304 N5815-125-4807		N17-T 350003- 0326	СТТ	93729	93729	0-1305	1	0	0		
	BAIL: operates printing hammer; steel, nickel pl; "V" shape, "U" formed at point of "V", 3 formed ears, one end formed w/slot, roller and washer on other end; approx 1-23/32" lg x 1-19/32" wd x 11/16" h o/a, 0.050" thk material; mts by 2 holes in line	Operates 0-1303 by 0-1302 N5815-370-IIII		N17-T 350014- 0833	СТТ	150054	150054	0-1306	1	0	0		
- 1307	Same as 0-370	Lubricates H-1301, 0-1302 and 0-1306											
	SPRING: helical extension type; 0.022" diam music wire; 1-1/4" lg x 3/16" OD o/a; approx 41 turns; parallel hook terms (Replaces CTT #74760)	Applies tension to 0-1306 N5815-524-3420			СТТ	154638	154638	0-1308	1	0	0		
-1309	WICK: hard, white felt; approx 1" lg x 1/8" diam	Lubricates 0-1308 N9390-174-0970		N17-T 350013- 0907	СТТ	108199	108199	0-1309, 0-1594, 0-1756	3	1	1		
-1310	SPRING: helical extension type 0.012" diam music wire; approx 3/8" lg x 1/8" OD o/a; 12 turns; parallel hook terminals	Applies tension to 0-1302 N5340-370-2009		N17-T 350015- 0900	СТТ	152129	152129	0-1310	1	0	0		
1311	SHIM: steel; approx 5/16" OD x 5/32" ID x 0.008" thk o/a; mts by ID	Adjusts striking level of 0-1303 by spacing H-1301 and A-1302 N5815-370-0845		N17-T 350014- 0513	СТТ	90599	90599	0-1311	4	0	0		

0-1312	LATCH: steel, nickel pl; irregular shape w/three arms, longest arm has small cutout w/rise on side; approx 1-7/32" lg x 23/32" h x 0.065" thk o/a; mts by hole in ctr of body; csk hole in rounded arm	Latches 0-1306 in striking position N5815-370-0945	N17-T 350014- 0613		150038	150038	0-1312		1	1	1	
0-1313	Same as 0-329	Applies tension to 0-1312										
0-1314	WASHER, felt: hard, white felt; round, approx 1/2" OD x 1/4" ID x 1/16" thk o/a	Lubricates 0-1312 N5815-370-0668	N17-T 350014- 0332	СТТ	150923	150923	0-1314, 0-1757	0-1580,	3	1	1	The second secon
0-1315	PLATE: steel, nickel pl; rectangular w/rounded corners; approx 5/8" lg x 3/8" wd x 1/16" thk o/a; mts by two tapped holes	Clamps W-1307 to A-1303 N5815-370-0363	N17-T 350013- 0913	СТТ	150230	150230	0-1315		1	0	0	and the same of th
0-1316	BUSHING: steel, piston finish; male; approx 1/16" thk x 3/16" OD x 1/8" ID o/a	Bearing roller for 0-1317 N5815-370-0200	N17-T 350013- 0745	СТТ	151611	151611	0-1316, 0-2161	0-1328,	4	0	0	
0-1317	ROLLER, bearing: steel; approx 3/8" OD x 3/16" ID x 1/16" thk o/a; mts by ID	Upper roller for printing carriage mechanism on A-1359 N5815-370-1360	N17-T 350015- 0207		150030	150030	0-1317,	0-1320	3	1	3	
0-1318	SPACER: steel, nickel pl; approx 1/4" thk o/a, w/15/32" OD and 1/8" ID; mts by ID; rounded from approx 9/32" diam shoulder to 0.031" thk head	Spacer for and guides 0-1317 on A-1359 N5815-370-1908	N17-T 350015- 0794	CTT	151612	151612	0-1318,	0-1321	3.	0	0	
0-1319	WASHER, felt: hard, white felt; round, approx 7/16" OD x 1/4" ID x 1/8" thk o/a	Lubricates 0-1316 and 0-1317 N5815-448-1962	N17-T 350003- 0322	СТТ	93356	93356	0-1325, 0-1603, 0-1744, 0-1752, 0-1767, 0-1776,	0-1322, 0-1602, 0-1733, 0-1747, 0-1764, 0-1769, 0-1880, 0-2054, 0-2066	24	1	5	
0-1320	Same as 0-1317	Lower roller for printing carriage mechanism on A-1359										
0-1321	Same as 0-1318	Spacer for and guides 0-1320 on A-1359										
0-1322	Same as 0-1319	Lubricates lower roller parts										
	ARM: steel, nickel pl; irregular shape w/two arms, one arm curved and formed at end, other arm has two rounded ears on one side w/body hole near ea ear, hub butt welded to ea end; approx 2-13/16" lg x 2-13/16" h x 7/16" wd o/a, 0.050" thk material; mts by ID of hubs	Trips 0-1306 by disengaging 0-1312 and 0-1306 and latches 0-1306 with 0-1312 through 0-1324 N5815-370-1061	N17-T 350014- 0750	CTT	150068	150068	0-1323		1	0	0	

TABLE 8-4. COMBINED PARTS AND SPARE PARTS LIST

		PARTS								SI	PARI	E P/	ARTS
SYMBOL	NAME OF PART	FUNCTION	JAN OR	STANDARD	TU	NUFAC- IRERS	TELETYPE	ALL SYMBOL	S S	EQ	UIP.	51	тоск
DESIG.	AND DESCRIPTION	AND FEDERAL STOCK NUMBER	NAVY TYPE DESIGNATION	STOCK NUMBER	CODE	DESIG.	PART NO.	DESIGNATIONS INVOLVED	TOTAL NO.	BOX	QUAN	Š	QUAN
0-1324	ARM: steel, nickel pl; irregularly shaped, one end rounded, two tapped body holes, two curved cutouts one side; approx 1-11/32" lg x 5/16" wd x 0.065" thk o/a; mts by tapped body holes	Latches 0-1306 with 0-1312 N5815-370-1131		N17-T 350014- 0853	СТТ	151709	151709	0-1324	1	0	0		
0-1325	Same as 0-1319	Lubricates 0-1323											
0-1326	SLIDE: steel, nickel pl; cylindrical body w/rectangular head; approx 1/2" lg x 3/8" wd x 3/16" h o/a; mts by body diam; neck groove at one end of body, slot in head	Pivot for and operates 0-1323 by A-1348 N5815-370-0267		N17-T 350013- 0815	СТТ	150039	150039	0-1326	1	1	1		
0-1327	Same as 0-214	Lubricates 0-1323 and 0-1326											
0-1328	Same as 0-1316	Bearing roller for 0-1320											
0-1329	ECCENTRIC: steel, nickel pl; approx 5/16" across flats x 1/8" lg o/a; mts by 9/64" ID; ID 1/64" off ctr. shoulder 13/64" diam x 1/16" lg, chamfer on one corner of hex	Tightens A-1314 on A-1359 N5815-308-2808		N17-T 350017- 0665	СТТ	151443	151443	0-1329	1	0	0		
	CODE BAR: steel, nickel pl; irregular shape, 43 sq edge teeth one side, ear and slot other side, notch, cutout and 2 pointed teeth one end; approx 11-39/64" ig x 15/16" h x 0.042" thk o/a; mts by small elongated hole near ea end; 2 large elongated holes and csk hole in body	Vertically positions type box by 0-1918 and blocks and permits function bars to be selected; #1 code bar. Used on units with Teletype serial numbers 8700 and up N5815-320-8116		N17-T 350016- 0612	СТТ	152256	152256	0-1333, 0-1334, 0-1335	3	0	0		
0-1334	Same as 0-1333	Vertically positions type box by 0-1918 and blocks and permits function bars to be selected; #2 code bar. Used on units with Teletype serial numbers 8700 and up											
0 - 1335	Same as 0-1333	Vertically positions type box by 0-1918 and blocks and permits function bars to be selected; common code bar. Used on units with Teletype serial numbers 8700 and up											
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0-1336	BAR: shifts code bars; steel, nickel pl; irregular shape, one end pointed, 2 forked ears and body ear w/csk hole other end; approx 5-7/32" lg x 1/2" h x 9/64" wd o/a 0.044" thk material; mts by body between ears and body curve	Shifts 0-1333 by 0-1539 and 0-1540 when positioned. Used on units with Teletype serial numbers 8700 and up N5815-313-8804	·	N17-T 350016- 0726	СТТ	152255	152255	0-1336, 0-1338	0-1337,	3 .	0	0	
0-1337	Same as 0-1336	Shifts 0-1334 by 0-1539 and 0-1540 when positioned. Used on units with Teletype serial numbers 8700 and up											
0-1338	Same as 0-1336	Shifts 0-1335 by 0-1539 and 0-1540 when positioned. Used on units with Teletype serial numbers 8700 and up											
0-1339	SPRING: helical extension type; for code bars; 0.017" diam music wire; approx 11/16" lg x 1/8" diam o/a;12 turns; extended parallel hook terminals	Applies tension to 0-1336, 0-1337 and 0-1338. Used on units with Teletype serial numbers 8700 and up N5340-309-0809		N17-T 350016- 0762	СТТ	152257	152257	0-1339		3	0	0	
0-1340	BAR, tie: steel, nickel pl; approx 9-15/16" $\lg x 1/2$ " h x 3/16" wd o/a, 0.050" thk material; mts by elongated hole one end and body hole at other end; formed lip one side w/cutout on ea end in body, two elongated holes and two body holes	Tie bar for A-1307 and A-1308 and supports A-1305 N5815-370-0584		N17-T 350014- 0235	СТТ	150285	150285	0-1340		1	0	0	
0-1341	CODE BAR: steel, nickel pl; irregular shape, 43 sq edged teeth one side, one cutout and 4 pointed teeth at one end, rectangular shaped cutout, stud and rectangular shaped hole at other end, large elongated slot in approx ctr; approx 11-27/32" lg x 29/32" h x 19/32" wd o/a, 0.042" thk material; mts by small elongated slot near ea end	Vertically positions type box by 0-1918 and blocks and permits function bars to be selected; suppression code bar N5815-370-1729		N17-T 350015- 0600	СТТ	152721	152721	0-1341		1	0	0	
0-1342	CODE BAR: steel, nickel pl; irregular shape 43 sq edged teeth one side, 2 ears and cutout other side, 2 cutouts and 4 pointed ears one end, large body ear on other end, 2 large elongated slots in body; approx 11-7/16" lg x 29/32" h x 0.042" thk o/a; mts by small elongated slot near ea end	Operates 0-1617 which determines the selection of one row from four vertical rows in type box and blocks and permits function bars to be selected; #4 code bar N5815-370-1507		N17-T 350015- 0366	СТТ	152551	152551	0-1342,	0-1344	2	0	0	
0-1343	CODE BAR: steel, nickel pl; irregular shape, 43 sq edge teeth one side, 2 cutouts and 4 pointed teeth one end, body ear and cutout other end, 2 large elongated slots in body; approx 11-19/32" lg x 29/32" h x 0.042" thk o/a; mts by small elongated slot near ea end	Vertically positions type box by 0-1918 and blocks and permits function bars to be selected; #1 code bar. Used,on units with Teletype serial numbers 8699 and lower N5815-320-8116		For replacement 350016-06	nt use		152549 NI7-T	0-1343, 0-1347	0-1345,	3	0		
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	PARTS								SPARE P			PARTS	
SYMBOL DESIG.	NAME OF PART AND DESCRIPTION	FUNCTION	JAN OR	STANDARD			TELETYPE	ALL SYMBOL	Š.	EQ	UIP.	STOCK	
		AND FEDERAL STOCK NUMBER	NAVY TYPE DESIGNATION	NAVY STOCK NUMBER	D CODE	DESIG.	PART NO.	DESIGNATIONS INVOLVED	TOTAL NO.	BOX	OUAN.	ВОХ	OUAN.
-1344	Same as 0-1342	Operates 0-1619, deter- mines the selection of one row from 4 vertical rows in type box and blocks and per- mits function bars to be selected; #5 code bar									-		
- 1345	Same as 0-1343	Vertically positions type box by 0-1918 and blocks and permits function bars to be selected; #2 code bar. Used on units with Teletype serial numbers 8699 and lower						·					
	CODE BAR: steel, nickel pl; irregular shape, 43 sq edged teeth one side, cutout and pointed ear other side near one end, 2 cutouts and 4 pointed teeth one end, large body ear other end, 2 large elongated slots in body; approx 11-7/16" lg x 1-3/16" h x 0.042" thk o/a; mts by small elongated slot near ea end Same as 0-1343	Operates 0-1664, determines whether selection is made from left 4 vertical rows or right 4 vertical rows in letters or figures end of type box and blocks and permits function bars to be selected; #3 code bar N5815-370-1508 Vertically positions type box by 0-1918 and blocks and permits function bars to be selected; common code bar. Used on units with Teletype serial numbers		N17-T 350015- 0367	СТТ	152552	152552	0-1346	1	0	0		
- 1348	CODE BAR; steel, nickel pi; irregular shape, 2 teeth one side, cutout and formed ear w/cutout in end on other side, elongated body ear ea end, 2 large elongated cutouts in body; approx 10-21/32" lg x 29/32" h x 9/32" wd o/a, 0.042" thk material; mts by small elongated slot near each end	Operates automatic carriage return and line feed and blocks and permits function bars to be selected N5815-370-1510		N17-T 350015- 0369	СТТ	152554	152554	0-1348	1	0	0		
- 1349	CODE BAR: steel, nickel pl; irregular shape, 43 sq edged teeth one side, cutout and formed body ear w/cutout in end on other side, 4 pointed teeth and 2 cutouts one end, large body ear other end, large elongated slot, elongated body hole and body hole in bar; approx 11-7/16" lg x 1" h x 9/32" wd o/a, 0.042" thk material; mts by small elongated slot near ea end	Operates 0-1650, letters and figures shift and blocks and permits function bars to be selected N5815-370-1509		N17-T 350015- 0368	СТІ	152553	152553	0-1349	1	0	0		

0-1350	POST, code bar: steel; approx 1-3/16" lg x 5/32" diam o/a; mts by tapped hole near ea end; one end slotted	Retains code bars to A-1307 N5815-370-0582		0014-	СТТ	150289	150289	0-1350,	0-1358	2	1	2	
0-1351	BAR: steel, nickel pl; irregular shape, one end pointed, other end has circular disk welded to both sides; approx 3-17/32" lg x 1/2" h x 3/32" wd o/a, 0.050" thk material; mts by half of body from disk end	Shifts 0-1342 by 0-1539 and 0-1540 when positioned N5815-370-1840		0015-	стт	152548		0-1351, 0-1353, 0-1355,	0-1354,	6	0	0	
0-1352	Same as 0-1351	Shifts 0-1344 by 0-1539 and 0-1540 when positioned			,								
0-1353	Same as 0-1351	Shifts 0-1346 by 0-1539 and 0-1540 when positioned											
0-1354	Same as 0-1351	Shifts 0-1343 by 0-1539 and 0-1540 when positioned. Used on units with Teletype serial numbers 8699 and lower											
0-1355	Same as 0-1351	Shifts 0-1345 by 0-1539 and 0-1540 when positioned. Used on units with Teletype serial numbers 8699 and lower											
0-1356	Same as 0-1351	Shifts 0-1347 by 0-1539 and 0-1540 when positioned. Used on units with Teletype serial numbers 8699 and lower											
	PLATE, retainer: steel, nickel pl; approx 1" lg x 5/8" wd x 0.035" thk o/a; mts by body slot and hole; angular cut away one side	Retains code bar shift bars in guide slots of A-1307 N5815-370-0510	N17 350 016	0014-	СТТ	150301	150301	0-1357		1	0	0	
0-1358	Same as 0-1350	Retains code bars to A-1308										•	
	PLATE, guide: aluminum, plain anodized; one side straight, other side stepped w/7 across ctr, one corner cut off; approx 1-7/32" lg x 1/2" wd x 1/4" h o/a; mts by body hole in thin section each end	Retains code bars in guide slots of A-1308 N5815-370-1986		0015-	СТТ	152574	152574	0-1359		1	0	0	
0-1360	PLATE, retainer: steel, nickel pl; approx 1-3/16" lg x 7/16" wd x 0.025" thk o/a; mts by body hole at each end	Retains 0-1361 and 0-1362 in A-1309 N5815-370-0601	N17 350 025	0014-	СТТ	150293	150293	0-1360		2	0	0	
		,											

TABLE 8-4. COMBINED	PARTS AN	D SPARE	PARTS I	LIST				
PARTS							SPARE	PARTS
FUNCTION AND	JAN OR NAVY TYPE	STANDARD NAVY	MANUFAC- TURERS	TELETYPE	ALL SYMBOL DESIGNATIONS	EQUIP.		STOCK

		PARTS								SF	PARE	E PA	RTS
YMBOL DESIG.	NAME OF PART AND	FUNCTION AND	JAN OR NAVY TYPE	STANDARD NAVY	ΤL	NUFAC- IRERS	TELETYPE	ALL SYMBOL DESIGNATIONS	TOTAL NO.	EQ	UIP.	-	оск
DESIG.	DESCRIPTION	FÉDERAL STOCK NUMBER	DESIGNATION	STOCK NUMBER	CODE	DESIG.	PART NO.	INVOLVED	TOTA PER 1	ŏ	OUAN.	Š	QUAN.
- 1361	SPRING: helical compression typė; 0.012'' diam music wire; approx 9/32'' lg x 5/32'' OD o/a; 7 turns; closed ends	Applies pressure to 0-1362 N5815-370-0565		N17-T 350014- 0216	стт	150535	150535	0-1361	16	1	3		
- 1362	BALL, bearing: carbon steel; spherical; approx 5/32" diam o/a	Detents for code bars N5815-370-0563		N17-T 350014- 0214	СТТ	150537	150537	0-1362, 0-1644	17	1	6		
- 1363	SHIM: steel; approx 7/8" lg x 1/4" wd x 0.005" thk o/a; mts by slot in ctr of one side; rounded ear opposite side of mtg slot	Spaces A-1308 and A-1309 N5815-370-0509		N17-T 350014- 0160	СТТ	150302	150302	0-1363	6	1	4		
-1364	SHAFT: steel, nickel pl; slot and 2 flats near one end, spring, plunger and toggle held in place by staked pin on other end, shield w/stud near ctr of body; approx 1-9/16" lg x 3/4" diam o/a; mts by slot	Turns 0-1393 when left ribbon feed mechanism is engaged N5815-370-1531		N17-T 350015- 0390	CTI	152630	152630	0-1364, 0-1402	2	0	0		
-1365	HUB: steel, nickel pl; round, irregularly slotted near end of shank, slot across end of shank; approx 3/4" OD x 5/32" ID x 5/16" lg o/a; mts by ID	Sleeve bearing for 0-1364 and turns 0-1373 when left ribbon feed mechanism is engaged N5815-370-1496	·	N17-T 350015- 0355	CTI	152525	152525	0-1365, 0-1401	2	0	0		
- 1366	LEVER: steel, nickel pl; irregular "Y" shape one body and two formed ears one end, other end curved, notch near end of base; approx 2-7/8" lg x 2" h x 5/8" wd o/a, 0.035" thk material; mts by body hole in base, LH mtg			N17-T 350014- 0154	СТТ	150310	150310	0-1366	1	0	0		
- 1367	BUSHING: steel, nickel pl; male; approx 5/16" OD x 1/8" ID x 3/32" lg o/a, 5/32" diam body	Pivot for 0-1366 N5815-370-0862		N17T 350014- 0530	СТТ	150336	150336	0-1367, 0-1410, 0-1652	4	0	0		
- 136 8	SPRING: helical extension type; 0.010" diam music wire; approx 1/2" lg x 1/8" OD o/a; approx 28 turns; hook terminals, indexed 90°; mts by terms	Applies tension to 0-1366 N5815-369-9160		N17-T 350004- 0754	CTT	112634	112634	0-1368, 0-1418	2	1	2		
-1369	ROLLER: aluminum, plain anodized; approx 5/8" lg x 3/8" OD x 3/16" ID o/a; mts by ID; flanged ends	Left end roller guide for ribbon N5815-370-0439		N17-T 350013- 0989	СТТ	150327	150327	0-1369, 0-1408	2	0	0		
- 1370	WASHER, felt: hard, white felt; round, approx 13/16" OD x 9/32" ID x 0.050" thk o/a	Lubricates 0-1364, 0-1365 and 0-1371 N5815-370-1530		N17-T 350015- 0389	СТТ	152629	152629	0-1370, 0-1403	2	1	2		

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	RATCHET, ribbon: steel, nickel pl; round, formed circum w/70 teeth, 2 teeth in ID; approx 1-1/2" OD x 9/32" ID x 3/16" lg o/a, 0.035" thk material; mts by ID, LH mtg	Turns 0-1365 when left ribbon feed mechanism is engaged N5815-370-1499	N17-T 350015- 0358	СТТ	152528	152528	0-1371	1	1	1	
0-1372	SPRING: flat type; 0.010" this steel; approx 1-1/4" sq x 3/32" h o/a; mts by 9/32" diam hole in ctr; 4 equidistant formed arms	Applies pressure to 0-1371 N5815-370-1494	N17-T 350015- 0353	СТТ	152523	152523	0-1372, 0-1405	2	1	2	
0-1373	PLATE: steel, nickel pl; round w/3 arms on circum, one rounded at end w/csk hole, body ear in ID w/notch on ea side; approx 13/16" lg x 23/32" wd x 3/32" h o/a, 0.032" thk material; mts by ID, LH mtg	Turns A-1311 when left ribbon feed mechanism is engaged N5815-370-1498	N17-T 350015- 0357	CTT	152527	152527	0-1373	1	0	0	
0-1374	Same as 0-147	Slack take-up yield spring, applies tension to A-1311									
	SPRING: torsion type; 0. 020" diam music wire; approx 1/4" lg x 9/32" h x 9/32" wd o/a; RH turns; hooked ends, indexed 90°; mts by ID	Applies pressure to 0-1379 N5815-092-1429	N17-T 350016- 0167	СТТ	152834	152834	0-1375, 0-1420	2	0	0	
	SPRING: helical extension type; 0.012" diam music wire; approx 21/32" lg x 5/32" OD x 1/8" ID o/a; approx 28 turns; parallel hook term ea end; mts by terms	Applies tension to 0-1380 N5815-448-4043	N17-T 350006- 0542	СТТ	82463	82463	0-1376, 0-1419, 0-2101	3	1	1	
İ	SHAFT: steel, nickel pl; approx 5/8" lg x 1/8" diam o/a; mts by ends and slot near ea end	Pivot for 0-1379 and mounts 0-1375 N5815-092-1427	N17-T 350016- 0151	СТТ	152826	152826	0-1378, 0-1400	2	0	0	
	LEVER: steel, nickel pl; 2 formed ears in line at wd end, other end formed w/"U" formed arm on one side; approx 1" lg x 7/16" wd x 7/16" h o/a, 0.042" thk material; mts by 2 holes in line in end ears, LH mtg	Turns 0-1371 when left ribbon feed mechanism is engaged N5815-040-3144	N17-T 350016- 0113	СТТ	152818	152818	0-1379	1	1	1	
0-1380	LEVER: steel, nickel pl; irregular shape, 2 formed ears in line at wd end, other end formed w/curved arm formed at end on one side, csk hole in approx ctr of body; approx 1-5/8" lg x 7/16" wd x 15/32" h o/a, 0.050" thk material; mts by 2 holes in line in end ears, LH mtg	Prevents 0-1371 from reversing when left ribbon feed mechanism is engaged and prevents 0-1379 from turning 0-1371 when dis- engaged N5815-040-3164	N17-T 350016- 0115	СТТ	152820	152820	0-1380	1	1	1	
	LEVER: steel, nickel pl; irregular "L" shape, one end rounded, elongated hole, stud and four teeth at corner; approx 1-5/16" lg x 1-1/4" h x 0.077" wd o/a, 0.042" thk material; mts by body hole in rounded end	Reverses ribbon feed by 0-1391 and 0-1382 N5815-370-1542	N17-T 350015- 0401	СТТ	152646	152646	0-1381	1	0	0	

TABLE 8-4. COMBINED PARTS AND SPARE PARTS LIST

		PARTS				*****					SF	ARE	: PA	RTS
YMBOL DESIG.	NAME OF PART AND	FUNCTION AND	JAN OR NAVY TYPE	STANDARD NAVY STOCK	TL	IUFAC- RERS	TELETYPE PART NO.		L SYMBOL	TOTAL NO.	EQ	UIP.	st	оск
	DESCRIPTION	FEDERAL STOCK NUMBER	DESIGNATION	NUMBER	CODE	DESIG.	PARI NO.		NVOLVED	707	Î	QUAN.	ğ	OUAN.
	LEVER: steel, nickel pl; irregular shape, cutout in rounded end, other end formed; approx 1-1/16" lg x 1/2" h x 5/32" wd o/a, 0.035" thk material; mts by body hole in rounded end	Disengages 0-1380 from 0-1371 when ribbon feed is reversed N5815-370-0959		N17-T 350014- 0627	СТТ	150343	150343	0-1382	y	1	0	0		
	BUSHING: steel, nickel pl; male; approx 3/8" OD x 1/8" ID x 1/8" lg o/a, body 3/16" diam	Pivot for 0-1381 and 0-1382 N5815-370-0676		N17-T 350014- 0340	СТТ	150932	150932	0-1383,	0-1412	2	0	0		
	SHAFT: steel, approx 11-1/32" lg x 5/32" diam o/a; mts by #4-40 threaded shank ea end; slot near one end	Reverses ribbon feed by 0-1390 or 0-1391 N5815-370-1726		N17-T 350015- 0597	СТТ	152582	152582	0-1384		1	0	0		
	CAM: ribbon reversing; steel, nickel pl; 3 rises, hub welded to cam; approx 11/16" lg x 33/64" wd x 17/32" h o/a, 0.050" thk cam; mts by 7/32" ID and two #4-40 holes on 1/4" mtg/c in hub (Replaces CTT # 150934)	Detent for 0-1387 N5815-305-7732		N17-T 350017- 0671	СТТ	153800	153800	0-1385		1	0	0		
- 1386	BUSHING: steel, nickel pl; male; approx 3/8" OD x 1/8" ID x 3/32" lg o/a, c/o head, slot & 7/32" diam body	Pivot for 0-1387 N5815-370-0867		N17-T 350014- 0535	СТТ	150436	150436	0-1386, 0-2128	0-1615,	3	0	0		
- 1387	LEVER: steel, nickel pl; rounded ends, bend near ctr, pin riveted to small end; approx 1-9/16" lg x 9/16" h x 3/16" wd o/a, 0.050" thk material; mts by hole in large end; hole isk on both sides at bend	Positions 0-1384 for left or right ribbon feed through 0-1375 N5815-308-0318		N17-T 350014- 0343	СТТ	150937	150937	0-1387		1	0	0		
-1388	SPACER: steel, nickel pl; approx 5/16" OD x 1/8 ID x 3/32" thk o/a; mts by ID	Spaces 0-1387 from A-1389 N5815-412-5635		N17-T 350006- 0711	СТТ	8449	8449	0-1388,	0-1758	2	1	1		
-1389	SPRING: helical extension type; 0.018" diam music wire; approx 1" lg x 5/32" OD x 1/8" [D o/a; approx 36 turns; parallel hook term ea end; mts by terms	Applies tension to 0-1387 N5815-370-0092		II.	СТТ	22015	22015	0-1389		1	1	1		
) -13 90	GEAR: spur; steel; straight teeth; 12 teeth; 48 pitch, 0.25" PD; approx 5/16" OD x 1/8" ID x 3/32" thk o/a; straight face; mts by ID	Reverses ribbon feed by 0-1384 or 0-1411 N5815-370-0955		N17-T 350014- 0623	СТТ	150335	150335	0-1390	, 0-1391	2	0	0		
-1391	Same as 0-1390	Reverses ribbon feed by 0-1384 or 0-1381	A Company of the Comp											

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	SPACER: steel, nickel pl; approx 9/32" OD x 1/8" ID x 1/4" lg o/a; mts by ID	Spaces A-1312 from A-1391 N5815-370-1723	N17-T 350015-	СТТ	152571	152571	0-1392		3	0	0	
	SPOOL, printing ribbon: 11 yds lg x 0.005" thk; black record ribbon, extra heavy inked, Underwood spool, 17 thds per 1/8" base, ink blue	Ink supply and operates ribbon feed mechanism by 0-1366 and 0-1409	0594 G7510- 191-6038	Codo Míg. Co.	301	7835	0-1393		1	0	0	
0-1394	Same as 0-401	Lubricates A-1310 and shaft of A-1312										
	WASHER, felt; hard, white felt; round, $1/4$ " ID x $1/2$ " OD x $3/32$ " thk	Lubricates A-1310 and shaft of A-1312 N5815-370-0106	N17-T 350013- 0629	СТТ	90361		0-1395, 0-1921, 0-1940, 0-2013,	0-1925, 0-2003,	16	1	3	
0-1398	Same as 0-401	Lubricates A-1318 and H-1389				,						
0-1399	Same as 0-1395	Lubricates A-1318 and A-1389										
0-1400	Same as 0-1378	Pivot for 0-1416 and mounts 0-1420										
0-1401	Same as 0-1365	Sleeve bearing for 0-1402 and turns 0-1405 when right ribbon feed mechanism is engaged										
0-1402	Same as 0-1364	Turns 0-1421 when right ribbon feed mechanism is engaged										
0-1403	Same as 0-1370	Lubricates 0-1401, 0-1402, and 0-1404										
	RATCHET, ribbon: steel, nickel pl; round, formed circum w/70 teeth, 2 teeth in ID; approx 1-1/2" OD x 9/32" ID x 3/16" lg o/a, 0.035" thk material; mts by ID, RH mtg	Turns 0-1401 when right ribbon feed mechanism is engaged N5815-370-1500	N17-T 350015- 0359	СТТ	152529	152529	0-1404		1	1	1	
0-1405	Same as 0-1372	Applies pressure to 0-1404										
	PLATE: steel, nickel pl; round w/3 arms on circum, one rounded at end w/csk hole, body ear in ID w/notch on ea side; approx 13/16" lg x 23/32" wd x 3/32" h o/a; 0.032" thk material; mts by ID, RH mtg	Turns A-1319 when right ribbon feed mechanism is engaged N5815-370-1497	N17-T 350015- 0356	СТТ	152526	152526	0-1406		1	0	0	
0-1407	Same as 0-147	Slack take-up yield spring, applies tension to A-1319										
0-1408	Same as 0-1369	Right end roller guide for ribbon										

TABLE 8-4.	COMBINED	PARTS	AND	SPARE	PARTS	LIST

		PARTS								Si	PARI	E P/	ARTS
SYMBOL DESIG.	NAME OF PART AND DESCRIPTION	FUNCTION AND FEDERAL STOCK NUMBER	JAN OR NAVY TYPE DESIGNATION	STANDARD NAVY STOCK NUMBER		NUFAC- IRERS DESIG.	TELETYPE PART NO.	ALL SYMBOL DESIGNATIONS INVOLVED	TOTAL NO.		UIP.	S1	rock
0-1409	LEVER: steel, nickel pl; irregular "Y" shape, one body and 2 formed ears one end, other end curved, body hole near end of base; approx 2-7/8" lg x 2-1/32" h x 29/32" wd o/a 0.035" thk material; mts by body hole in ctr of base, RH mtg	Right end ribbon guide and reverses ribbon feed by 0-1411 N5815-370-0502		N17-T 350014- 0153		150311	150311	0-1409	1	0	0		
)-1410	Same as 0-1367	Pivot for 0-1409											
)-1411	LEVER: steel, nickel pl; irregular shape, rounded one end, cutout w/4 teeth near other end, elongated hole, stud and arm located in central p/o body; approx 1-5/16" lg x 1-11/16" h x 0.077" wd o/a, 0.042" thk material; mts by body hole in rounded end	Reverses ribbon feed by 0-1390 and 0-1413 N5815-370-1543		N17-T 350015- 0402	СТТ	152647	152647	0-1411	1	0	0		
-1412	Same as 0-1383	Pivot for 0-1411 and 0-1413											
-1413	LEVER: steel, nickel pl; irregular shape, one end rounded w/cutout on side, other end formed; approx 1-1/16" lg x 1/2" h x 5/32" wd o/a, 0.035" thk material; mts by body hole in rounded end	Disengages 0-1415 from 0-1404 when ribbon feed is reversed N5815-370-0960		N17-T 350014- 0628	CTT	150344	150344	0-1413	1	0	0		
)-1414	SPACER: aluminum, plain anodized; approx 1/2" OD x 1/8" ID x 1/8" thk o/a; mts by ID	Spaces 0-1411 from A-1389 N5815-370-0640		N17-T 350014- 0292	СТТ	150821	150821	0-1414	1	0	0		
-1415	LEVER: steel, nickel pl; irregular shape 2 formed ears in line at wd end, other end formed w/curved arm formed at end on one side, csk hole in approx ctr of body; approx 1-5/8" lg x 7/16" wd x 15/32" h o/a, 0.050" thk material; mts by 2 body holes in line in end ear, RH mtg	Prevents 0-1404 from reversing when right ribbon feed mechanism is engaged and prevents 0-1416 from turning 0-1404 when disengaged N5815-040-3165		N17-T 350016- 0116	СТТ	152821	152821	0-1415	1	1	1		
- 1416	LEVER: steel, nickel pl; 2 formed ears in line at wd end, other end formed w/"U" formed arm on one side; approx 1" lg x 7/16" wd x 7/16" h o/a, 0.042" thk material; mts by 2 holes in line in end ears, RH mtg	Turns 0-1404 when right ribbon feed mechanism is engaged N5815-040-3146		N17-T 350016- 0114	СТТ	152819	152819	0-1416	1	1	1		
-1418	Same as 0-1368	Applies tension to 0-1409											
- 1419	Same as 0-1376	Applies tension to 0-1415											,

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-1420	Same as 0-1375	Applies pressure to 0-1416											
	SPOOL, printing ribbon: sheet metal, black high gloss finished; 2" OD x 5/8" wd x 3/16" ID o/a; mtg hole 3/16 diam, 5/8" diam ribbon mtg drum	Takes up ribbon from 0-1393 when right ribbon feed mechanism is engaged N5815-356-3062		N17-T 350007- 0565	СТТ	71681	71681	0-1421		1	0	0	
	BLOCK, guide: steel, nickel pl; approx 5/16" lg x 3/16" h x 5/32" wd o/a; mts by tapped hole; hole on opposite side of mtg hole	Support for 0-1473 N5815-412-9182		N17-T 350013- 0595	СТТ	150689	150689	0-1422		3	0	0	
	GUIDE: aluminum, plain anodize; 42 equally spaced slots one side crossed by 2 lg slots, 3 studs and 4 tapped holes in other side, 23 tapped holes in top; approx 9-9/32" lg x 1-31/32" wd x 3/16" thk o/a; mts by 7 ctb holes between 2 lg slots	Guide for symbols 0-1445 through 0-1455 N5815-370-1418		N17-T 350015- 0270	CTT	152643	152643	0-1423		1	0	0	
	PLATE; guide: steel, nickel pl; approx 9-9/32" lg x 1-1/4" wd x 0.042" thk o/a; mts by 4 body holes near upper edge; 42 body holes, 42 large and 42 small irregular shaped elongated slots in three rows, three elongated holes near upper edge	Guide for symbols 0-1425 through 0-1435 and anchor for 0-1436 N5815-370-1560		N17-T 350015- 0419	СТТ	152651	152651	0-1424		1	0	0	
	BAR, function: steel, nickel pl; irregular shape, arm, 2 formed ears and formed wing on wd end, notched ear at ctr; approx 2-15/16" lg x 1-1/4" h x 5/32" wd o/a, 0.048" thk material; mts by cutout in narrow end; "SP" stamped in wd end	Operates 0-1445 when 0-1445 is in operating posi- tion N5815-370-1557		N17-T 350015- 0416	СТТ	152670	152670	0-1425		1	0	0	
	BAR, function: steel, nickel pl; irregular shape, arm and formed wing on wd end, notched ear at ctr; approx 2-15/16" lg x 1-1/4" h x 1/8" wd o/a, 0.048" thk material; mts by cutout in narrow end; "LTR" stamped in wd end	Operates 0-1446 N5815-370-1552		N17-T 350015- 0411	CTT	152665	152665	0-1426		1	0	0	
)-1427	BAR, function: steel, nickel pl; irregular shape, arm, formed ear and formed wing on wd end, notched ear at ctr; approx 2-15/16" lg x 1-1/4" h x 5/32" wd o/a, 0.048" thk material; mts by cutout in narrow end; "FIG" stamped in wd end	Operates 0-1447 N5815-370-1553		N17-T 350015- 0412	CTT	152666	152666	0-1427		1	0	0	
	BAR, function: steel, nickel pl; irregular shape, arm and formed ear on wd end, notched ear at ctr; approx 2-15/16" ig x 1-1/4" h x 1/8" wd o/a, 0.048" thk material; mts by cutout in narrow end; "CR LF" stamped in wd end	Operates 0-1448 N5815-370-1558		N17-T 350015- 0417	СТТ	152671	152671	0-1428,	0-1433	2	0	0	
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		PARTS							_,	SF			
SYMBOL DESIG.	NAME OF PART AND	FUNCTION AND	JAN OR NAVY TYPE	STANDARD NAVY	TL	NUFAC- RERS	TELETYPE	ALL SYMBOL DESIGNATIONS	TOTAL NO.	EQ	UIP.		oc
DE310.	DESCRIPTION	FEDERAL STOCK NUMBER	DESIGNATION	STOCK NUMBER	CODE	DESIG.	PART NO.	INVOLVED	F TOTA	ŏ	OUAN.	Š	
	BAR, function: steel, nickel pl; irregular shape, arm, formed ear and formed wing on wd end, notched ear at ctr; approx 2-15/16" lg x 1-1/4" h x 5/32" wd o/a, 0.048" thk material; mts by cutout in narrow end; "CR" stamped in wd end	Operates 0-1449 N5815-370-1554		N17-T 350015- 0413	СТТ	152667	152667	0-1429	1	0	0		
	BAR, function: steel, nickel pl; irregular shape, arm, 4 formed ears and formed wing on wd end, notched ear at ctr; approx 2-15/16" lg x 1-1/4" h x 5/32" wd o/a, 0.048" thk material; mts by cutout in narrow end "UCS" stamped in wd end	Operates 0-1450 N5815-370-1559		N17-T 350015- 0418	СТТ	152672	152672	0-1430	1	0	0		
-1431	BAR, function: steel, nickel pl; irregular shape, arm and formed wing on wd end, notched ear at ctr; approx 2-15/16" lg x 1-1/4" h x 1/8" wd o/a, 0.048" thk material; mts by cutout in narrow end; "BL" stamped in wd end	Operates 0-1455 N5815-370-1556		N17-T 350015- 0415	СТТ	152669	152669	0-1431, 0-1432	2	0	0		
-1432	Same as 0-1431	Operates 0-1451											
- 1433	Same as 0-1428	Operates 0-1452											
-1434	BAR, function: steel, nickel pl; irregular shape, arm, formed wing and 2 formed ears on wd end, notched ear at ctr; approx 2-15/16" lg x 1-1/4" h x 5/32" wd o/a, 0.048" thk material; mts by cutout in narrow end; "LF" stamped in wd end	Operates 0-1453 N5815-370-1555		N17-T 350015- 0414	СТТ	152668	152668	0-1434, 0-1435	2	0	0		
-1435	Same as 0-1434	Operates 0-1454							'				
)-1436	Same as 0-281	Applies tension to symbols 0-1425 through 0-1435											
)-1437	PLATE, retaining: steel, nickel pl; approx 1-3/4" lg x 3/8" wd x 0.065" thk o/a; mts by four body holes	Retains symbols E-1303 through E-1306 on A-1322 N5815-370-0684		N17-T 350014- 0350	СТТ	150963	150963	0-1437	1	0	0		
-1438	BUSHING: SS; male and female; approx 3/16" OD x 1/8" ID x 0.049" thk o/a	Pivot for 0-1439 and spaces A-1323 and 0-1440 (Used on Units with Teletype serial numbers 12969 and lower) N5815-370-0366		N17-T 350013- 0916	СТТ	150298	150298	0-1438, 0-1443	4	1	2		

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	FORK; steel, nickel pl; rounded one end, two prongs other end, pin welded to ctr; approx 1-3/8" lg x 5/16" h x 5/32" wd o/a, 0.042" thk material; mts by hole in rounded end	Shifts 0-1349 by A-1306 (Used on Units with Teletype serial numbers 12969 and lower) N5815-370-0513		N17-T 350014- 0164	СТТ	150296	150296	0-1439	1	1	1		
	PLATE: steel, nickel pl; rounded one end, straight other end; approx 1-3/16" lg x 13/32' wd x 0.025" thk o/a; mts by two body holes	Spaces 0-1439 from 0-1441 and 0-1442 (Used on Units with Teletype serial numbers 12969 and lower) N5815-370-1548	,	N17-T 350015- 0407	СТТ	152658	152658	0-1440	1	0	0		
	SLIDE: steel, nickel pl; irregular shape w/one ear and irregular shaped cutout one end, one side of cutout formed; approx 2-1/2" lg x 11/16" h x 3/32" wd o/a, 0.042" thk material; mts by body between ear and small end	Shifts 0-1439 for Letters function (Used on Units with Teletype serial numbers 12969 and lower) N5815-370-0978		N17-T 350014- 0646	СТТ	150371	150371	0-1441	1	1	1		
	SLIDE: steel, nickel pl; lg narrow body, cutout one side, rectangular slot in one end; approx 2-1/2" lg x 3/16" h x 0.042" thk o/a; mts by body	Shifts 0-1439 for Figures function (Used on Units with Teletype serial numbers 12969 and lower) N5815-370-0581		N17-T 350014- 0232	СТТ	150291	150291	0-1442	1	1	1		
0-1443	Same as 0-1438	Spaces 0-1440 and 0-1444 and guides 0-1441 and 0-1442 (Used on Units with Teletype serial numbers 12969 and lower)											
	PLATE, guide: steel, nickel pl; two ears, two cutouts and large body hole at rounded end; approx 1-1/2" lg x 15/32" wd x 3/16" h o/a, 0.032" thk material; mts by oval shaped hole and body hole	Holds symbols 0-1438 through 0-1443 to A-1323 (Used on Units with Teletype serial numbers 12969 and lower) N5815-370-1545		N17-T 350015- 0404	СТТ	152654	152654	0-1444	1	0	0		
	PAWL: steel, nickel pl; irregular shape, one end hooked, irregular shaped cutout near other end, formed ear in approx ctr; approx 1-21/32" lg x 19/32" h x 1/8" wd o/a, 0.038" thk material; mts by body and elongated cutout near hooked end	Operates 0-1456 when in operating position N5815-370-1420		N17-T 350015- 0272	СТТ	152653	152653	0-1445 through 0-1455	11	1	5		
0-1446	Same as 0-1445	Operates 0-1457										ı	
0-1447	Same as 0-1445	Operates 0-1458											
0-1448	Same as 0-1445	Operates 0-1459	,							ĺ			l
0-1449	Same as 0-1445	Operates 0-1460		*									
0-1450	Same as 0-1445	Operates 0-1461				-							
0-1451	Same as 0-1445	Operates 0-1462					•						
0-1452	Same as 0-1445	Operates 0-1463								ŀ			
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		PARTS								SI	PARE	E PA	RTS
SYMBOL	NAME OF PART	FUNCTION	JAN OR	STANDARD NAVY	TL	NUFAC- JRERS	TELETYPE	ALL SYMBOL	ON ON ON	EQ	UIP.	STO	оск
DESIG.	AND DESCRIPTION	AND FEDERAL STOCK NUMBER	NAVY TYPE DESIGNATION	STOCK NUMBER	CODE	DESIG.	PART NO.	DESIGNATIONS INVOLVED	TOTAL NO.	š	OUAN.	š	QUAN.
0-1453	Same as 0-1445	Operates 0-1464											
)-1454	Same as 0-1445	Operates 0-1465											
- 1455	Same as 0-1445	Operates 0-1466											
	LEVER: steel, nickel pl; irregular shape, 2 ears, cutout in approx ctr, body hole below cutout; approx 1-3/4" lg x 15/32" wd x 0.048' thk o/a; mts by cutout and body	Operates 0-1441 or 0-1477 on Shift on Space N5815-370-1417	·	N17-T 350015- 0269	СТТ	152642	152642	0-1456	1	0	0		
)- 1457	LEVER: steel, nickel pl; irregular shape, 2 ears, cutout in approx ctr, body hole below cutout; approx 1-7/8" lg x 1/2" wd x 0.048" thk o/a; mts by cutout and body	Operates 0-1441 or 0-1477 on Letters shift N5815-370-1416		N17-T 350015- 0268	СТТ	152641	152641	0-1457 through 0-1465	9	0	0		
)- 1458	Same as 0-1457	Operates 0-1442 or 0-1478 on Figures Shift											
)- 1459	Same as 0-1457	Operates 0-2095 on Automatic Carriage Return											
0-1460	Same as 0-1457	Operates 0-2095 on Carriage Return											
)-1461	Same as 0-1457	Allows E-1301 to make contact with E-1302 on Signal Bell											
)-1462	Same as 0-1457	Operates 0-2096 on Keyboard Lock											
0-1463	Same as 0-1457	Operates 0-2097 on Automatic Line Feed											
- 1464	Same as 0-1457	Operates 0-2097 on Line Feed											
)-1465	Same as 0-1457	Operates 0-2089 on Line Feed Suppression											
	LEVER: steel, nickel pl; irregular shape, 3 body ears, one formed ear, one cutout and one body hole; approx 1-7/8" lg x 11/16" h x 7/32" wd o/a, 0.048" thk material; mts by irregular shaped cutout and body	Latches 0-1462 in lock position until operated by 0-1455 on Keyboard Unlock N5815-370-1421		N17-T 350015- 0273	СТТ	152659	152659	0-1466	1	0	0		

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	PLATE, spring: steel, nickel pl; irregular shape, 3 cutouts; approx 19/32" lg x 3/8" wd x 0.048" thk o/a; mts by large curved cutout and body	Spring anchor for 0-1470 and stop for symbols 0-1456 through 0-1465 N5815-370-1549	N17-T 350015- 0408	СТТ	152660	152660	0-1467	10	0	0	
	LATCH, lever: steel, nickel pl; irregular shape, 2 cutouts, body ear and csk hole; approx 25/32" lg x 11/16" wd x 0.048" thk o/a; mts by larger cutout and body	Spring anchor for 0-1470 and latches 0-1466 in unlock position N5815-370-1547	N17-T 350015- 0406	СТТ	152657	152657	0-1468	1	0	0	
	SPRING: helical extension type; for function pawls; 0.016" diam music wire; approx 37/64" lg x 11/64" diam o/a; approx 17-1/2 turns; hook terminals, indexed 900	Applies tension to symbols 0-1445 through 0-1455 N5340-309-0808	N17-T 350016- 0727	СТТ	153092	153092	0-1469	11	1	2	
	SPRING: helical extension type; 0.014" diam music wire; approx 7/16" lg x 5/32" CD x 1/8" ID o/a; 12 turns; parallel hook term ea end mts by terms	Applies tension to symbols 0-1456 through 0-1466 N5340-448-4129	N17-T 350006- 0634	СТТ	90517	90517	0-1470	11	0	0	
	SHAFT: steel, black oxide finish; approx 9-1/2" lg x 3/32" diam o/a; mts by slot near one end	Stop and guide for symbols 0-1445 through 0-1455 N5815-370-1505	N17-T 350015- 0364	СТТ	152547	152547	0-1471	1	0	0	
	SHAFT: steel, nickel pl; approx 9-1/2" lg x 3/32" diam o/a; mts by slot near one end	Stop for symbols 0-1456 through 0-1466 N5815-370-0557	N17-T 350014- 0208	СТТ	150547	150547	0-1472, 0-1473	2	0	0	
0-1473	Same as 0-1472	Support for 0-1467 and 0-1468									
	PLATE, retainer: steel, nickel pl;irregular "L" shape w/4 elongated cutouts; approx 1-5/16" lg x 1-1/4" h x 0.014" thk o/a; mts by hole in corner	Retaining plate for 0-1471, 0-1472 and 0-1473 N5815-333-2564	N17-T 350016- 0319	СТТ	152889	152889	0-1474	1	0	0	
0-1475	WICK: lubricating wick; hard white felt w/o spring; 19/64" lg x 1/8" diam o/a	Lubricates 0-1469 N9390-392-0065	N17-T 350012- 0462	CTT	94693	94693	0-1475	11	0	0	
	PLATE, guide: steel, nickel pl; rectangular shape, 2 corners rounded, one corner extended w/notch, formed ear on other corner; 1-19/32" lg x 19/32" wd x 3/16" h o/a, 0.032" thk material; mts by slot and hole on 5/8" mtg/c; slot near formed ear	Lower guide plate for 0-1477 0-1478 and 0-1482 (Used on Units with Teletype serial numbers 12970 and higher) N5815-524-3421		СТТ	153645	153645	0-1476, 0-1484	2	0	0	
	SLIDE: steel, nickel pl; irregular "Y" shape, straight edge one side, other side formed w/notch and ear; approx 2-17/32" lg x 11/16" wd x 7/64" h o/a, 0.042" thk material, mts by body	Shifts 0-1439 for Letters function (Used on Units with Teletype serial numbers 12970 and higher) N5815-524-3422		СТТ	153643	153643	0-1477	1	0	0	
	SLIDE: steel, nickel pl; narrow strip, cut- out one side, rectangular hole one end; ap- prox 2-1/2" lg x 15/64" wd x 0.042" thk o/a; mts by body	Shifts 0-1439 for Figures function (Used on Units with Teletype serial numbers 12970 and higher) N5815-524-3423		СТТ	153795	153795	0-1478	1	0	0	

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		PARTS		1				Γ	- I		ARI	<u> </u>	
YMBOL	NAME OF PART AND	FUNCTION AND	JAN OR NAVY TYPE	STANDARD NAVY	TU	NUFAC- IRERS	TELETYPE	ALL SYMBOL DESIGNATIONS	Sign	EQ	UIP.	ST	OCK
DESIG.	DESCRIPTION	FEDERAL STOCK NUMBER	DESIGNATION	STOCK NUMBER	CODE	DESIG.	PART NO.	INVOLVED	TOTAL NO.	BÖ	OUAN.	ğ	1
	BUSHING: SS; male or female; approx 1/4" OD x 7/64" ID x 0.049" thk o/a	Spacers for 0-1477 and 0-1478 (Used on Units with Teletype serial numbers 12970 and higher)			СТТ	153646	153646	0-1479, 0-1483	4	0	0		
	PLATE, spacer: steel, nickel pl; one end rounded, other end widened w/ear at ea corner; 1-11/64" lg x 19/32" wd x 0.032" thk o/a; mts by slot and hole on 5/8" mtg/c	Spaces 0-1477 and 0-1488 from 0-1481 (Used on Units with Teletype serial numbers 12970 and higher)		**	СТТ	153647	153647	0-1480	1	0	0		
	FORK: steel, nickel pl; irregularly curved, one end rounded, 2 tines other end; approx 2-1/16" lg x 35/64" wd x 3/16" h o/a, 0.042" thk material; mts by 2 holes on 5/8" mtg/c; post welded between mounting hole and forked end	Shifts 0-1349 by A-1306 (Used on Units with Tele- type serial numbers 12970 and higher) N5815-524-3424			СТТ	153608	153608	0-1481	1	0	0		
	ROLLER, guide: steel, nickel pl; 7/32" OD x 3/32" ID x 0.042" thk o/a; mts by ID	Guide roller for 0-1481 (Used on Units with Tele- type serial numbers 12970 and higher) N5310-514-7345			СТТ	153609	153609	0-1482	1	0	0		
1483	Same as 0-1479	Spacers for 0-1481 (Used on Units with Teletype serial numbers 12970 and higher)											
1484	Same as 0-1476	Upper guide for 0-1481 (Used on Units with Tele- type serial numbers 12970 and higher)				·							
	LAMINATION: steel, nickel pl; "U" shape, body hole in ea lower corner; approx 2-3/8" h x 1-3/16" wd x 0.050" thk o/a; mts by 3 body holes	Core for E-1308 and E-1309 N5815-370-1831		N17-T 350015- 0715	СТТ	152420	152420	0-1485	5	0	0		
	SPRING: flat type; 0.020" thk nickel silver; approx 1-1/16" lg x 1/2" wd x 1/8" h o/a; mts by cutout in ea end; ctr curved	Applies pressure to E-1308 and E-1309 N5815-370-0196		N17-T 350013- 0741	СТТ	151607	151607	0-1486	1	0	0		
	SPRING: helical extension type; 0.020" diam music wire; approx 9/16" lg x 5/32" OD o/a; approx 16 turns; hook terms, indexed 90°; mts by terms	Applies tension to E-1307 or E-1310 N5815-370-1177		N17-T 350014- 0900	СТТ	151715	151715	0-1487	1	1	1		
	SPACER: steel, nickel pl; approx 5/16" OD x 1/8" ID x 5/32" thk o/a; mts by ID	Spaces H-1469 and A-1332 N5815-370-0193		N17-T 350013- 0738	СТТ	151603	151603	0-1488, 0-1924	3	0	0		

TABLE 8-4. COMBINED PARTS AND SPARE PARTS LIST

	PLATE, stop: SS; irregular shape, cutout one side, Ig narrow formed arm other side in ctr of cutout; approx 1-5/32" Ig x 7/8" wd x 1/8" h o/a, 0.028" thk material; mts by 2 body holes	Stop plate for E-1307 or E-1310 N5815-370-1252		N17-T 350014- 0996	СТТ	152424	152424	0-1489	1	0	0	
0-1490	Same as 0-102	Applies tension to H-1482 and H-1483	. •									
	SECTOR: steel, nickel pl; irregular semicircular shape, 18 teeth one end, hub welded to rise near other end; approx 3-13/16" lg x 3-3/16" h x 3/8" wd o/a, 0.050" thk material; mts by 2 elongated curved slots	Positions H-1498 and 0-1497 N5815-370-1715		N17-T 350015- 0586	СТТ	152429	152429	0-1491	1	0	0	
	BUSHING: steel, nickel pl; male and female approx 9/32" OD x 5/32" ID x 3/32" lg o/a, 3/16" diam shoulder	Guide for 0-1491 N5815-370-1481		N17-T 350015- 0339	СТТ	152440	152440	0-1492	2	0	0	
	SPRING: helical compression type; 0. 025" diam music wire; approx 5/8" lg x 11/32" OD o/a; 5 turns; closed ends	Applies pressure to I-1301 N5815-092-1422		N17-T 350015- 0341	СТТ	152445	152445	0-1493	1	0	0	
	SPACER: steel, nickel pl; approx 7/16" OD x 5/32" ID x 1/8" thk o/a; mts by ID	Base for and spaces 0-1493 from A-1334 (If so equipped, See A-1339) N5815-370-1478		N17-T 350015- 0336	СТТ	152437	152437	0-1494	1	0	0	
	SPRING: helical extension type; 0.016" diam music wire; approx 5/8" lg x 5/32" OD x 1/8" ID o/a; approx 21 turns; parallel hook term ea end; mts by terms	Applies tension to H-1498 N5815-369-9507		N17-T 350006- 0864	СТТ	41382	41382	0-1495	1	1	1	
	BAIL: steel, nickel pl; irregular shape, mtg end "U" formed w/body hole and rectangular body ear, csk hole in base of "U" other end curved w/elongated curved slot and body ear; approx 2-9/16" lg x 1-5/16" h x 1/2" wd o/a, 0.042" thk material; mts by 2 holes in line	Operates 0-1497 by 0-1508 N5815-370-1479		N17-T 350015- 0337	СТТ	152438	152438	0-1496	1	1	1	
	ARM: steel, nickel pl; irregular shape, one end formed, cutout near other end, hub w/#4-40 threaded ID welded to approx ctr; approx 1-5/8" lg x 19/32" h x 3/16" wd o/a, 0.042" thk material; mts by body hole near rounded end	Latch for 0-1796 N5815-370-1476		N17-T 350015- 0334	СТТ	152432	152432	0-1497	1	1	1	
	BAIL: steel, nickel pl; irregular "U" formed, elongated narrow arm extends from one side, wing formed from base; approx 2-3/32" lg x 17/32" h x 29/32" wd o/a, 0.042" thk material; mts by 2 holes in line in sides of "U"	Resets symbols 0-1501 through 0-1505 N5815-370-1470		N17-T 350015- 0328		152410	152410	0-1498	1	1	1	
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TABLE 8-4.	COMBINED	PARTS	AND	SPARE	PARTS	LIST

		PARTS								SI	PAR	E PA	ARTS
SYMBOL DESIG.	NAME OF PART AND DESCRIPTION	FUNCTION AND FEDERAL STOCK NUMBER	JAN OR NAVY TYPE DESIGNATION	STANDARD NAVY STOCK		NUFAC- IRERS DESIG.	TELETYPE PART NO.	ALL SYMBOL DESIGNATIONS INVOLVED	TOTAL NO.	EQ XO8	UIP.		OCK NA NOCK
		TEDERAL STOCK NUMBER		NUMBER	<u>8</u>				무분	<u> </u>	3	- <u>-</u>	<u> </u>
-1499	SPRING: torsion type; 0.025" diam music wire; approx 1-1/4" lg x 5/16" wd x 3/16" h o/a; 2-1/2 turns; right hand; one straight and one "U" shaped end; mts by ends	Applies pressure to 0-1498 N5815-370-0928		N17-T 350014- 0596	СТТ	151701	151701	0-1499	1	1	1		
- 1500	GUIDE, lever: steel, nickel pl; shank ea end, hex shoulder near end w/tapped hole, six slots in body; approx 1-15/32" lg x 5/16" across flats o/a; mts by #6-40 threaded shank	Guide for symbols 0-1501 through 0-1505 and spaces A-1334 or A-1339 from A-1338 N5815-370-1461		N17-T 350015- 0319	СТТ	152401	152401	0-1500	1	0	0		
- 1501	LEVER: steel, nickel pl; one end "U" shaped w/notched arm on side, wd ear near other end; approx 1-19/32" lg x 3/4" h x 0.042" thk o/a; mts by slot formed by "U"	Operates 0-1556 N5815-370-1471		N17-T 350015- 0329	СТТ	152411	152411	0-1501 through 0-1505	5	1	2		
- 1502	Same as 0-1501	Operates 0-1557											
- 1503	Same as 0-1501	Operates 0-1558											
- 1504	Same as 0-1501	Operates 0-1559											
- 1505	Same as 0-1501	Operates 0-1560											
- 1506	SPRING: helical extension type; 0, 008" diam music wire; approx 17/32" lg x 3/32" OD x 1/16" ID o/a; approx 45 turns; parallel hook term ea end; mts by terms	Applies tension to symbols 0-1501 through 0-1505 N5815-370-0827		N17-T 350014- 0494	СТТ	150048	150048	0-1506	5	1	2		
	GUIDE, lever: steel, nickel pl; short shank ea end, hex shoulder near one end, 8 slots in body; approx 1-1/4" lg x 5/16" across flats o/a; mts by #6-40 tapped hole in ea end	Guide for symbols 0-1508 through 0-1515 and spaces A-1334 or A-1339 from A-1338		N17-T 350015- 0320	СТТ	152402	152402	0-1507	1	0	0		
-1508	LEVER: steel, nickel pl; irregular shape, one end "U" formed w/arm, formed at end and formed ear w/csk hole; approx 2-3/32" lg x 7/8" h x 1/2" wd o/a, 0.042" thk material; mts by 2 rounded cutouts in line in "U" formed end	N5815-370-1462 Operates 0-1497 through 0-1496, feels for E-1307 or E-1310 on stop impulses N5815-370-1468		N17-T 350015- 0326	СТТ	152408	152408	0-1508	. 1	0	0		
	LEVER: steel, nickel pl; irregularly shaped and curved, csk hole in rounded projection; approx 2-1/4" lg x 7/16" wd x 0.042" thk o/a; mts by rounded cutout in wd end -	Locks E-1307 or E-1310 in unattracted position N5815-370-1467		N17-T 350015- 0325	СТТ	152407	152407	0-1509	1	1	1		

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			÷	Section 8 -1510—0-1522

	LEVER: steel, nickel pl; irregular shape, curved in approx ctr, 2 csk holes, 2 formed arms and wing w/notch near narrow end, body ear between curve and wd end; approx 2-1/32" lg x 1-3/8" h x 11/16" wd o/a; 0.042" thk material; mts by rounded cutout in wd end	Locks E-1307 or E-1310 in attracted position and stop for symbols 0-1511 through 0-1515 N5815-370-1465	N17- T 350015- 0323	СТТ	152405	152405	0-1510	1	1	1	
	LEVER: selecting; steel, nickel pl; irregular shape, rounded ear and arm w/csk hole one side; approx 2" lg x 23/32" wd x 0.042" thk o/a; mts by slot in one end	Operates 0-1501 N5815-370-1469	N17-T 350015- 0327	СТТ	152409	152409	0-1511 through 0-1515	5	1	2	
- 1512	Same as 0-1511	Operates 0-1502									
-1513	Same as 0-1511	Operates 0-1503									
-1514	Same as 0-1511	Operates 0-1504									
- 1515	Same as 0-1511	Operates 0-1505							}		
	SPRING: helical extension type; 0.014" diam music wire; approx 17/32" lg x 5/32" diam o/a; 16-1/4 turns; hook terminals, indexed 90°	Applies tension to 0-1508 N5815-318-5059	N17-T 350016- 0453	СТТ	152891	152891	0-1516	1	0	0	
	SPRING: helical extension type; 0.012" diam music wire; approx 5/8" lg x 3/32" OD o/a; approx 32 turns; hook terms, indexed 90°; mts by terms	Applies tension to 0-1509 N5815-370-1165	N17-T 350014- 0888	СТТ	151714	151714	0-1517	1	1	1	
	SPRING: helical extension type; 0.012" diam music wire; approx 15/32" lg x 5/32" OD x 1/8" ID o/a; approx 17 turns; parallel hook term ea end; mts by terms	Applies tension to 0-1510 N5340-448-1653	N17-T 350006- 0500	СТТ	78533	78533	0-1518	1	1	1	
	SPRING: helical extension type; 0.009" diam music wire; approx 9/16" lg x 3/32" OD o/a; approx 45 turns; parallel hook term ea end; mts by terms	Applies tension to symbols 0-1511 through 0-1515 N5815-370-0764	N17-T 350014- 0430	СТТ	151103	151103	0-1519	5	1	2	
	LINK: steel, nickel pl; irregular shape, both ends rounded, rounded ear w/body hole near ctr, elongated slot in body; approx 1-3/4" lg x 9/16" h x 0.042" thk o/a; mts by body hole near ea end	Provides adjustment for A-1330 by H-1467 N5815-370-1472	N17-T 350015- 0330	СТТ	152412	152412	0-1520	1	0	0	
1	SHAFT: steel, nickel pl; #4-40 threaded shank one end, drive slot across other end; approx 11/16" lg x 5/32" diam o/a	Shaft and pivot for 0-1496 N5815-370-1480	N17-T 350015- 0338	СТТ	152439	152439	0-1521	1	0	0	
	GUIDE, lever: steel, nickel pl; "L" shape, open slot ea end, formed 2 places; approx 1-15/32" lg x 13/64" wd x 1" h o/a, 0.025" thk material; mts by smaller slot	Guide for 0-1508 (If so equipped. See A-1334 or A-1339) N5815-318-5057	N17-T 350016- 0451		152897	152897	0-1522	1	0	0	
		,							l		

TABLE 8-4.	COMBINED	PARTS	AND	SPARE	PARTS	LIST	

		PARTS								SF	ARE	PA	RTS
SYMBOL DESIG.	NAME OF PART AND DESCRIPTION	FUNCTION AND FEDERAL STOCK NUMBER	JAN OR NAVY TYPE DESIGNATION	STANDARD NAVY STOCK NUMBER		NUFAC- PRERS DESIG.	TELETYPE PART NO.	ALL SYMBOL DESIGNATIONS INVOLVED	TOTAL NO.	EQ:	OUAN.	ST(OCK
- 1523	DETENT: steel, nickel pl; approx 29/32" diam x 1/8" thk o/a, 0.065" thk material; mts by 3/16" diam hole in ctr; 6 sharp points formed in circum, body hole near ctr	Locks I-1301 in position (If so equipped. See H-1487)				153489	153489	0-1523	1	0	0		
- 1535	LINK: steel, nickel pl; irregular shape, one end "U" formed, other end formed 90°; approx 1/2" h x 3-1/2" lg x 7/8" wd o/a, 0.072" thk material; mts by tapped hole one end and stud welded to other end	Operates 0-1539 and 0-1540 N5815-370-0434	·	N17-T 350013- 0984	СТТ	150451	150451	0-1535	1	0	0		
- 1536	Same as 0-326	Lubricates H-1540, 0-1538 0-1539, 0-1540 and 0-1541											
0-1537	SHIM: steel; approx 1/2" OD x 3/32" ID x 0.010" thk o/a; mts by ID; circum has flat side	Spaces 0-1536 from 0-1539 N5815-370-0217		N17-T 350013- 0762	СТТ	151676	151676	0-1537	2	1	2		
- 1538	ROLLER: steel; approx 7/32" lg x 3/16" OD x 3/32" ID o/a; mts by ID	Roller guide for 0-1539 and 0-1540 N5815-370-0590		N17-T 350014- 0241	СТТ	151667	151667	0-1538	2	1	2		
-1539	LEVER: steel, nickel pl; irregular shape, irregularly curved slot in ctr; approx 2-15/16" lg x 15/32" wd x 0.050" thk o/a; mts by body hole near rounded end	Shifts selected code bar shift bars N5815-370-1519	,	N17-T 350015- 0378	СТТ	152584	152584	0-1539	1	1	1		
-1540	LEVER: steel, nickel pl; one side straight, other side irregular shape, irregularly curved slot in ctr; approx 2-15/16" lg x 15/32" wd x 0.050" thk o/a; mts by body hole near rounded end	Resets shifted code bar shift bars N5815-370-1520		N17-T 350015- 0379	СТТ	152585	152585	0-1540	1	1	1		
)-1541	ROLLER: steel, nickel pl; c/o head and shoulder; approx 1/4" OD x 1/8" lg x_3/32" ID o/a; mts by ID	Bearing rollers for guide slots in A-1347 N5815-370-0216		N17-T 350013- 0761	СТТ	151668	151668	0-1541	2	1	2		
-1542	BEARING, sleeve: steel; <u>approx 5/16" OD x 1/8" ID x 11/32" lg o/a, fl. 055" lg x 7/32" diam shank ea side of body</u>	Bearing for 0-1539 and 0-1540 N5815-370-1518		N17-T 350015- 0377	СТТ	152583	152583	0-1542	1	0	0		
-1543	WASHER, felt: hard, white felt; round, approx 1/2" QD x 5/16" ID x 0.055" thk o/a	Lubricates 0-1535 and 0-1543 N5815-370-0694		N17-T 350014- 0360	СТТ	150990	150990	0-1543, 0-2059	3	1	1		

0-1546 AFM: Steet, nickel pi; TU' shape, me side curved over y/ody plots in lend, other sides of the y 3/2" with of y 3/2" with of y 3/2" with other sides of "U" shot through other sides of "U" shot through other sides of "U" shot through other sides of "U" shot through other sides of "U" shot through other sides of "U" shot through other sides of "U" shot through other sides of "U" shot through other sides of "U" shot through other sides of "U" shot through other sides of "U" shot through other sides of "U" shot through other sides of the sides of the sides of the sides of the sides of the sides of the sides of the sides of the sides of the sides of through other sides of the side		ı										
diam; int by y4-40 the 3/16" ig one end; drives bid across other end 10		curved over w/body hole in end, other side rounded at end; approx 1-1/4" lg x 11/16" h x 9/32" wd o/a, 0.065" thk material; mts by 2 holes in line in sides of "U"; slot through		350014-	СТТ	150447	150447	0-1544	1	0	0 #	
Slots around circum, 2 body holes near one end; approx 7/8" kg x 1/32" ON x 1/8" ID o/3; mts by off-ctr ID o/3; mts by off-ctr ID o/3; mts by off-ctr ID o/3; mts by off-ctr ID o/3; mts by off-ctr ID o/4; mts ID o/4; mts	0-1545	diam; mts by $\#4-40$ thd $3/16$ " lg one end;	through 0-1552	350014-	СТТ	150481	150481	0-1545	1	0	0	
Shape, body ear on ea upper arm, csk hole in sterm; approx 2-1/73" ig x 13/16" wd x 0,042" ith o's, imts by rounded cutout near ctr; numeral ""1 stamped in upper ear on ea upper arm, csk hole in sterm; approx 1-1/16" ig x 13/16" wd x 0,042" ith o's, imts by rounded cutout near ctr; numeral "2" stamped in body ear on ea upper arm, csk hole in sterm; approx 1-2/73" ig x 13/16" wd x 0,042" ith o's, imts by rounded cutout near ctr; numeral "2" stamped in body ear at end of one arm O-1550 LEVER: steel, nickel pl; irregular "Y" shape, csk hole in stem; approx 1-2/73" ig x 13/16" wd x 0,042" ith o's, imts by rounded cutout near ctr; numeral "3" stamped in body ear at end of one arm O-1550 LEVER: steel, nickel pl; irregular "Y" shape csk hole in stem; approx 2-7/73" ig x 15/16" wd x 0,042" ith o's, imts by rounded cutout near ctr; numeral "4" stamped in body ear at ctr of one arm O-1551 LEVER: steel, nickel pl; irregular "Y" shape, csk hole in stem; approx 2-7/32" ig x 15/16" wd x 0,042" ith o's, imts by rounded cutout near ctr; numeral "4" stamped in body ear at ctr of one arm O-1552 LEVER: steel, nickel pl; irregular "Y" shape, csk hole in stem; approx 2-7/32" ig x 15/16" wd x 0,042" ith o's, imts by rounded cutout near ctr; numeral "5" stamped in body ear at ctr of one arm O-1552 LEVER: steel, nickel pl; irregular "Y" shape, csk hole in stem; approx 2-7/32" ig x 15/16" wd x 0,042" ith o's, imts by rounded cutout near ctr; numeral "5" stamped in body ear on one arm, body ear on one arm, body ear on one arm, body ear on one arm, body ear on one arm, body ear on one arm, body ear on one arm, body ear on one arm, body ear one one one arm, body ear one one one arm, body ear one one one one arm, body ear one one one one one one one one one one		slots around circum, 2 body holes near one end; approx 7/8" lg x 11/32" OD x 1/8" ID	through 0-1552	350015-	СТТ	152663	152663	0-1546	1	0	0	
Shape, body ear on ea upper arm, csk hole in stem; approx 1-15/16" gx 13/16" wd x 0.042" thk o/a; mts by rounded cutout near ctr; numeral "2" stamped in upper ear ctr; numeral "2" stamped in upper ear ctr; numeral "2" stamped in upper ear ctr; numeral "2" stamped in upper ear ctr; numeral "2" stamped in upper ear ctr; numeral "3" stamped in body ear at end of one arm of the in stem; approx 1-27/32" ig x 13/16" wd x 0.042" thk o/a; mts by rounded cutout near ctr; numeral "3" stamped in body ear at end of one arm of the in stem; approx 2-7/32" ig x 13/16" wd x 0.042" thk o/a; mts by rounded cutout near ctr; numeral "4" stamped in body ear at ctr of one arm of the ram, csk hole in stem; approx 2-7/32" ig x 13/16" wd x 0.042" thk o/a; mts by rounded cutout near ctr; numeral "4" stamped in body ear at ctr of one arm of the ram, csk hole in stem; approx 2-7/32" ig x 13/16" wd x 0.042" thk o/a; mts by rounded cutout near ctr; numeral "5" stamped in body ear at ctr of one arm of the ram, csk hole in stem; approx 1-3/4" ig x 3/4" wd x 0.042" thk o/a; mts by rounded cutout near ctr; numeral "6" stamped in body ear at ctr of one arm of the ram, csk hole in stem; approx 1-3/4" ig x 3/4" wd x 1/4" h o/a, 0.042" thk o/a; mts by rounded cutout near ctr; numeral "6" stamped in body ear on other arm, csk hole in stem; approx 1-3/4" ig x 3/4" wd x 1/4" h o/a, 0.042" thk o/a; mts by rounded cutout near ctr; ctrain the color of the ram, csk hole in stem; approx 1-3/4" ig x 3/4" wd x 1/4" h o/a, 0.042" thk o/a; mts by rounded cutout near ctr; ctrain the color of the ram, csk hole in stem; approx 1-3/4" ig x 3/4" wd x 1/4" h o/a, 0.042" thk o/a; mts by rounded cutout near ctr; ctrain the color of the ram, csk hole in stem; approx 1-3/4" ig x 3/4" wd x 1/4" h o/a, 0.042" thk o/a; mts by rounded cutout near ctr; ctrain the color of the ram, csk hole in stem; approx 1-3/4" ig x 3/4" wd x 1/4" h o/a, 0.042" thk o/a; mts by rounded cutout near ctr; ctrain the color of the ram of the ram of the ram of the ram of the ram of the ram of th		shape, body ear on ea upper arm, csk hole in stem; approx 2-1/8" lg x 13/16" wd x 0.042" thk o/a; mts by rounded cutout near	operates 0-1552	350015-	СТТ	152635	152635	0-1547	1	0	0	
Shape, csk hole in stem; approx 1-27/32" g x 13/16" wd x 0. 042" thk o/a; mts by rounded cutout near ctr; numeral "3" stamped in body ear at end of one arm O-1550 LEVEN: steel, nickel pl; irregular "Y" Shape, csk hole in stem; approx 2-7/32" g x 13/16" wd x 0. 042" thk o/a; mts by rounded cutout near ctr; numeral "4" stamped in body ear at ctr of one arm O-1551 LEVER: steel, nickel pl; irregular "Y" Shape, csk hole in stem; approx 2" g x 13/16" wd x 0. 042" thk o/a; mts by rounded cutout near ctr; numeral "4" stamped in body ear at ctr of one arm O-1551 LEVER: steel, nickel pl; irregular "Y" Shape, csk hole in stem; approx 2" g x 13/16" wd x 0. 042" thk o/a; mts by rounded cutout near ctr; numeral "5" stamped in body ear at ctr of one arm O-1552 LEVER: steel, nickel pl; irregular "Y" Shape, formed ear on one arm, body ear on other arm, csk hole in stem; approx 1-3/4" g x 3/4" wd x 1/4" ho/a, 0. 0.042" thk material; m's by rounded cutout near ctr; character "C" stamped in body ear O-1553 SPRNG; helical extension type; 0. 010" diam music wire; approx 47/64" g x 1/8" OD N5815-370-0550 N17-T CTT 150563 150563 O-1553 1 1 1 1 1 1 1 1 1		shape, body ear on ea upper arm, csk hole in stem; approx 1-15/16" lg x 13/16" wd x 0.042" thk o/a; mts by rounded cutout near	operates 0-1552	350015-	CTT	152636	152636	0-1548	1	0	0	
Shape, csk hole in stem; approx 2-7/32" lg x 13/16" wd x 0.042" thk o/a; mts by rounded cutout near ctr; numeral "4" stamped in body ear at ctr of one arm O-1551 LEVER: steel, nickel pl; irregular "Y" shape, csk hole in stem; approx 2" lg x 13/16" wd x 0.042" thk o/a; mts by rounded cutout near ctr; numeral "5" stamped in body ear at ctr of one arm O-1552 LEVER: steel, nickel pl; irregular "Y" shape, formed ear on one arm, body ear on other arm, csk hole in stem; approx 1-3/4" lg x 3/4" wd x 1/4" h o/a, 0.042" thk material; m's by rounded cutout near ctr; character "C" stamped in body ear O-1553 SPRING; helical extension type; 0.010" diam music wire; approx 47/64" lg x 1/8" OD o/a o/a od od od od od od od od od od od od od		shape, csk hole in stem; approx 1-27/32" lg x 13/16" wd x 0.042" thk o/a; mts by rounded cutout near ctr; numeral "3" stamped in	N5815-370-1537	350015-	СТТ	152637	152637	0-1549	1	0	0	
Shape, csk hole in stem; approx 2" lg x 13/16" wd x 0.042" thk o/a; mts by rounded cutout near ctr; numeral "5" stamped in body ear at ctr of one arm 15" stamped in body ear on other arm, csk hole in stem; approx 1-3/4" lg x 3/4" wd x 1/4" h o/a, 0.042" thk material; mts by rounded cutout near ctr; character "C" stamped in body ear O-1553 SPRNG; helical extension type; 0.010" diam music wire; approx 47/64" lg x 1/8" OD o/a; approx 49 turns; hook term ea end; mts N5815-370-0550		shape, csk hole in stem; approx $2-7/32$ " $\lg x 13/16$ " wd $x 0.042$ " thk o/a ; mts by rounded cutout near ctr; numeral "4" stamped in body		350015-	СТТ	152638	152638	0-1550	1	0	0	
Shape, formed ear on one arm, body ear on other arm, csk hole in stem; approx 1-3/4" lg x 3/4" wd x 1/4" h o/a, 0.042" thk material; mts by rounded cutout near ctr; character "C" stamped in body ear O-1553 SPRING; helical extension type; 0.010" diam music wire; approx 47/64" lg x 1/8" OD o/a; approx 49 turns; hook term ea end; mts N5815-370-0550 N5815-370-0550 N5815-370-0550 O-1553		shape, csk hole in stem; approx 2" lg x 13/16" wd x 0.042" thk o/a; mts by rounded cutout near ctr; numeral "5" stamped in body		350015-	СТТ	152639	152639	0-1551	1	0	0	
music wire; approx 47/64" lg x 1/8" OD		shape, formed ear on one arm, body ear on other arm, csk hole in stem; approx 1-3/4" lg x 3/4" wd x 1/4" h o/a, 0.042" thk material; mts by rounded cutout near ctr;		350015-	СТТ	152640	152640	0-1552	1	0	0	
		music wire; approx 47/64" lg x 1/8" OD o/a; approx 49 turns; hook term ea end; mts		350014-	СТТ	150563	150563	0-1553	1	1	1	

TABLE 8-4.	COMBINED	PARTS	AND	SPARE	PARTS	LIST
	PARTS					

		PARTS								SF	ARI	PA	RTS
YMBOL DESIG.	NAME OF PART AND DESCRIPTION	FUNCTION AND FEDERAL STOCK NUMBER	JAN OR NAVY TYPE DESIGNATION	STANDARD NAVY STOCK NUMBER		UFAC- RERS DESIG.	TELETYPE PART NO.	ALĹ SYMBOL DESIGNATIONS INVOLVED	TOTAL NO.	EQ × Og	UIP.	ST X Q	OCK NA J
-1554	SPRING: helical extension type; 0.009" diam music wire; approx 3/8" lg x 3/32" OD x 1/16" ID o/a; approx 25 turns; hook term ea end; mts by terms	Applies tension to symbols 0-1547 through 0-1551 N5815-370-0430		N17-T 350013- 0980		150507	150507	0-1554	5				
-1555	SHAFT: steel, nickel pl; hex head one end, 7 slots in round body; approx 7/8" lg x 5/16" across flats o/a; mts by #6-40 tapped hole in ea end	Guide and pivot for symbols 0-1556 through 0-1560 N5815-370-1550		N17-T 350015- 0409	СТТ	152662	152662	0-1555	1	0	0		
-1556	ARM: steel, nickel pl; irregular shape, 2 arms one end w/slot between, slot on side other end; approx 1-9/32" lg x 11/16" h x 0.042" thk o/a; mts by slot in rounded end	Operates 0-1547 N5815-370-1022	,	N17-T 350014- 0690	СТТ	150450	150450	0-1556 through 0-1560	5	1	2		
- 1557	Same as 0-1556	Operates 0-1548											
- 1558	Same as 0-1556	Operates 0-1549											
- 1559	Same as 0-1556	Operates 0-1550											
-1560	Same as 0-1556	Operates 0-1551											
- 1561	WICK: lubrication wick; hard, white felt w/o spring; approx 1-1/4" lg x 15/16" wd x 3/32" thk o/a	Lubricates selector mechanism N5815-092-1423		N17-T 350015- 0809	СТТ	152457	152457	0-1561	1	1	1		
-1562	BEARING, sleeve: aluminum, plain anodize; approx 2-3/4" lg x 1-11/16" wd x 1-1/16" h o/a, 9/32" ID w/bushing pressed in ea end, arm w/tapped hole near one end, shoulder w/tapped hole on ea side near ctr	Bearing sleeve for 0-1563 N5815-370-1023		N17-T 350014- 0691	СТТ	150452	150452	0-1562	1	0	0		
- 1563	SHAFT: SS; "L" shape; approx 3-5/16" lg x 1-1/8" h x 1/2" wd o/a; mts by tapped hole; link welded to shaft	Operates 0-1535 by 0-1544 N5815-370-1024		N17-T 350014- 0692	СТТ	150453	150453	0-1563	1	1	1		
- 1564	Same as 0-374	Lubricates H-1576 and 0-1805											
-1565	BAIL: steel, nickel pl; irregular shape, formed arm w/tapped hole at ea end, 2 arms on ctr of one side w/cutout between, 2 body ears w/stud welded to ea, 2 formed ears w/tapped hole in ea, 2 studs welded to body; approx 4-23/32" lg x 2-15/16" h x 1-3/32" wd o/a, 0.095" thk material; mts by body hole near ea end arm	Operates A-1348, 0-1566 or 0-1644 and 0-1572 or 0-1607; mounts 0-1584 and 0-1586 and guide for 0-1581 N5815-370-0860		N17-T 350014- 0528	СТТ	150263	150263	0-1565	1	0	0		

	LINK, drive: steel; irregular shape, c/o lever, bellcrank and 2 links welded and riveted together, 2 ears and 2 wings irregularly located, body hole in end of lever; approx 4-3/16" lg x 25/32" h x 7/16" wd o/a; mts by ID of 3 bushings; LH mtg	Operates 0-1686. Used on units with Teletype serial numbers 11500 and lower. N5815-370-1513	N17-T 350015- 0372	СТТ	152569	152569	0-1566	1	0	0	PARTS LISTS
	SPRING: helical extension type; 0. 024" diam music wire; approx 13/16" lg x 7/32" diam o/a; approx 17 turns; off-set parallel hook terminals	Applies tension to 0-1566. Used on units with Teletype serial numbers 11500 and lower	N17-T 350016- 0150	СТТ	152724	152724	0-1567, 0-1573	2	1	1	,
	WICK: lubricating wick; hard, white felt w/o spring; 5/8" lg x 5/32" diam o/a; graphite impregnated	0-1567. Used on units with Teletype Serial numbers 11500 and lower	N17-T 350016- 0725	СТТ	152254	152254	0-1568, 0-1574, 0-1927, 0-2005	4	0	0	
	BUSHING: steel; male; approx 3/16" OD x 1/8" ID x 9/32" lg o/a	N9390-331-0327 Bearing roller for 0-1566 or 0-1604 N5815-370-0487	N17-T 350014- 0138	СТТ	150218	150218	0-1569, 0-1575	2	0	0	
0-1570	Same as 0-124	Lubricates 0-1566 and 0-1569. Used on units with Teletype serial numbers 11500 and lower									
0-1571	Same as 0-124	Lubricates H-1595 and 0-1566 or 0-1604									NAVSHIPS
	LINK, drive: steel; irregular shape, c/o lever, bellcrank and 2 links welded and riveted together, 2 ears and 2 wings irregularly located, body hole in end of lever; approx 4-3/16" lg x 25/32" h x 7/16" wd o/a; mts by ID of 3 bushings, RH mtg	Operates 0-1686. Used on units with Teletype serial numbers 11500 and lower N5815-370-1514	N17-T 350015- 0373	СТТ	152570	152570	0-1572	1	0	0	HIPS 91713
0-1573	Same as 0-1567	Applies tension to 0-1572. Used on units with Teletype serial numbers 11500 and lower									
0-1574	Same as 0-1568	Lubricates 0-1572 and 0-1573. Used on units with Teletype serial numbers 11500 and lower				·					
0-1575	Same as 0-1569	Bearing roller for 0-1572 or 0-1607									
0-1576	Same as 0-124	Lubricates 0-1572 and 0-1575. Used on units with Teletype serial numbers									<u> </u>
0-1577	Same as 0-124	11500 and lower Lubricates H-1596 and 0-1572 or 0-1607									Section 566—0-1
		t .									-1577

		PARTS								SI	PARE	PA	RTS
YMBOL DESIG.	NAME OF PART AND DESCRIPTION	FUNCTION AND FEDERAL STOCK NUMBER	JAN OR NAVY TYPE DESIGNATION	STANDARD NAVY STOCK NUMBER		NUFAC- IRERS DESIG.	TELETYPE PART NO.	ALL SYMBOL DESIGNATIONS INVOLVED	TOTAL NO.	EQ XO	UIP.	ST X Q	OCK N A D
- 1578	LINK: steel, nickel pl; narrow ctr w/2 rounded ends, one end cut flat on side; approx 1-3/16" lg x 1/2" wd x 3/16" h o/a, 0.065" thk material; mts by ID of hub welded at ea end	Links A-1349 with 0-1566 and 0-1572 N5815-370-0417				150247	150247	0-1578	2	0	0	8	<u> </u>
	Same as 0-1314 LEVER: steel, nickel pl; irregular shape,	Lubricates 0-1565 and 0-1581 Locks 0-1589 in position		N17-T	CTT	150000	150000	0.1501					
	formed ear w/"V" notch one side; approx 3-7/32" lg x 1-1/4" h x 7/32" wd o/a, 0.050" thk material; mts by elongated cutout in one end	through H-1610 until operation completed N5815-370-0620		350014- 0271		150776	150776	0-1581	1	0	0		
- 1582	Same as 0-102	Applies tension to 0-1581											
-1583	WICK: lubricating wick; soft, white felt, w/o spring; approx 1-1/4" lg x 1/8" sq o/a	Lubricates 0-1582 N9390-174-0969		N17-T 350013- 0906	СТТ	105028	105028	0-1583	1	1	1		
	BAIL: steel, nickel pl; irregularly curved and formed, 2 rounded ears formed in line at ctr; approx 29/32" h x 3/4" lg x 9/16" wd o/a, 0.035" thk material; mts by 2 body holes in line in formed ears, LH mtg	Operates 0-1656 N5815-370-0498		N17-T 350014- 0149	СТТ	150208	150208	0-1584	1	1	1		
	SPRING: torsion type; 0.016" diam music wire; approx 3/8" lg x 7/32" OD x 3/16" ID o/a; 12 turns; RH turns; one straight and one hook end; mts by ends	Applies pressure to 0-1584 N5815-370-0553		N17-T 350014- 0204	СТТ	150558	150558	0-1585	1	1	1		
	BAIL: steel, nickel pl; irregularly curved and formed, 2 rounded ears formed in line at ctr; approx 29/32" h x 3/4" lg x 9/16" wd o/a, 0.035" thk material; mts by 2 body holes in line in formed ears, RH mtg	Operates 0-1653 N5815-370-0621		N17-T 350014- 0272	СТТ	150777	150777	0-1586	1	1	1		
	SPRING: torsion type; 0.016" diam music wire; approx 3/8" lg x 7/32" OD x 3/16" ID o/a; 12 turns; LH turns; one hook and one straight end; mts by ends	Applies pressure to 0-1586 N5815-370-0552		N17-T 350014- 0203	СТТ	150559	150559	0-1587	1	1	1		
-1588	BAIL: steel, nickel pl; irregularly "U" formed, csk hole in bottom, body hole one side, formed ear other side; approx 1-1/2" lg x 3/4" h x 1-5/32" wd o/a; 0.065" thk material; mts by 2 body holes in line	Support for 0-1592 N5815-370-1502		N17-T 350015- 0361	СТІ	152536	152536	0-1588	1	0	0		

w/ 3-3	RM: steel, nickel pl; irregular shape /elongated cutout in one end; approx -3/16" lg x 1/2" wd x 1/2" h o/a, 0.065"	Support for H-1610 N5815-370-0886	N17-T	CTT	150757	150757	0-1589	1	n	lo l	- 1
	k material; mts by ID of hub welded to bund end; body hole near cutout	N3013-310-0000	350014- 0554				0-1000		Ů	Ĭ	
wd	LOCK, guide: oilite; approx 3/8" lg x 5/16" d x 7/32" h o/a; mts by hole through ctr; ot across 2 sides	Guide for 0-1565 N5815-370-0603	N17-T 350014- 0254	СТТ	150215	150215	0-1590	1	0	0	
9/	ETAINER, oil: hard, white felt; approx /16" sq x 1/16" thk o/a; mts by squared atout	Lubricates 0-1565 and 0-1591 N5815-370-0495	N17-T 350014- 0146	СТТ	150232	150232	0-1591	1	1	1	
sid in	ULLEY: molded sirvene w/bronze hub; one de flat w/cutout in ctr, other side extruded ctr; approx 1" OD x 7/32" ID x 3/16" wd/a; mts by ID; groove in wd around circum	Slack take-up guide for W-1306 N5815-370-1117	N17-T 350014- 0839	СТТ	150758	150758	0-1592	1	1	1	
mı o/:	PRING: helical extension type; 0.020" diam usic wire; approx 1-3/16" lg x 3/16" OD/a; approx 42 turns; hook terminals, inexed 90°; mts by terminals	Applies tension to 0-1588 N5815-412-5708	N17-T 350006- 0837	СТТ	33828	33828	0-1593	1	1	1	
0-1594 Sa	ame as 0-1309	Lubricates 0-1593									
	OLLER: steel; approx 1/8" lg x 5/32" OD 3/32" ID o/a; mts by ID	Roller for 0-1581 N5815-370-0497	N17-T 350014- 0148	СТТ	150754	150754	0-1595	1	1	1	
dia	OLLER: steel; ctr separated from larger lam ends by 2 slots; approx 3/16" lg x /32" OD x 3/32" ID o/a; mts by ID	Roller guide for 0-1589 N5815-370-0406	N17-T 350013- 0956	СТТ	150753	150753	0-1596	1	1	1	
ro	LATE, retainer: steel, nickel pl; both ends ounded; approx 1-5/8" lg x 9/32" wd x 042" thk o/a; mts by 3 body holes	Retains 0-1566 and 0-1569 on H-1718, 0-1572 and 0-1575 on H-1719 and support for H-1614. Used on units with Teletype serial numbers 11500 and lower N5815-370-0401	N17-T 350013- 0951	СТТ	150740	150740	0-1597	1	0	0	
0-1598 Sa	ame as 0-124	Lubricates H-1614, 0-1589 and 0-1596									
w/ ctu x 1	OST, bearing: steel, nickel pl; stud /cutout welded to base w/notch in approx tr of ea side; approx 1-7/8" lg x 15/16" h 1/2" wd o/a, 1/8" thk base; mts by tapped ble and elongated hole in base, LH mtg	Pivot for and mounts 0-1566 or 0-1604 N5815-370-1528	N17-T 350015- 0387	СТТ	152598	152598	0-1599	1	0	0	
w/ cti x 1	OST, bearing: steel, nickel pl; stud /cutout welded to base w/notch in approx of ea side; approx 1-7/8" lg x 15/16" h 1/2" wd o/a, 1/8" thk base; mis by tapped ole and elongated hole in base; RH mtg	Pivot for and mounts 0-1572 or 0-1607 N5815-370-1529	N17-T 350015- 0388	СТТ	152599	152599	0-1600	1	0	0	

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		PARTS								SF	ARE	E PA	RTS
SYMBOL DESIG.	NAME OF PART AND DESCRIPTION	FUNCTION AND FEDERAL STOCK NUMBER	JAN OR NAVY TYPE DESIGNATION	STANDARD NAVY STOCK NUMBER		NUFAC- IRERS DESIG.	TELETYPE PART NO.	ALL SYMBOL DESIGNATIONS INVOLVED	TOTAL NO.	EQ XO8	UIP.	ST XO	OCK NOO
	STRIP: steel, nickel pl; both sides formed; approx 1-15/16" lg x 3/8" wd x 1/8" h o/a, 0.035" thk material; mts by 2 elongated holes	Tie strip for 0-1599 and 0-1600 N5815-370-0205		N17-T 350013- 0750		151625	151625	0-1601	1	0	0		
- 1602	Same as 0-1319	Lubricates 0-1566 and 0-1599											
)-1603	Same as 0-1319	Lubricates 0-1572 and 0-1600											
	LINK, drive: steel; irregular shape, c/o lever, bell crank and 2 links riveted to- gether; approx 4-5/32" lg x 7/16" wd x 7/8" h o/a; mts by ID of 3 hubs, LH mtg; spring post riveted to lever	Operates 0-1686. Used on units with Teletype serial numbers 11501 and higher N5815-091-9611		N17-T 350017- 0587	СТТ	153331	153331	0-1604	1	0	0		
	SPRING: torsion type; for left drive link; 0.030" diam music wire; approx 7/8" wd x 15/32" OD x 3/16" lg o/a; 4 turns; LH turns; both terms extended in opposite directions and curved at ends	Applies tension to 0-1604. Used on units with Teletype serial numbers 11501 and higher N5340-302-6719		N42-S 018030- 0735	СТТ	153340	153340	0-1605	1	0	0		
)-1606	BUSHING: nylon; male or female; approx 11/32" OD x 1/4" ID x 3/16" lg o/a	Bearing for 0-1605. Used on units with Teletype serial numbers 11501 and higher		N17-T 350017- 0602	СТТ	153337	153337	0-1606, 0-1609	2	0	0		
	LINK, drive: steel, irregular shape, c/o lever, bell crank and 2 links riveted to- gether; approx 4-5/32" lg x 7/16" wd x 7/8" h o/a; mts by ID of 3 hubs, PH mtg; spring post riveted to lever	N5330-171-6332 Operates 0-1686. Used on units with Teletype serial numbers 11501 and higher. N5815-091-9610		N17-T 350017- 0586	СТТ	153332	153332	0-1607	1	0	0		
-1608	SPRING: torsion type; for right drive link; 0.030" diam music wire; approx 7/8" wd x 15/32" OD x 3/16" lg o/a; 4 turns; PH turns; both terms extended in opposite directions and curved at ends	Applies tension to 0-1607. Used on units with Teletype serial numbers 11501 and higher N5340-302-6445		N17-T 350017- 0595	СТТ	153341	153341	0-1608	1	0	0		
0-1603	Same as 0-1606	Bearing for 0-1608. Used on units with Teletype serial numbers 11501 and higher											
	PLATE, retainer: steel, nickel pl; flat narrow strip w/rounded ends; approx 1-13/16" lg x 9/32" wd x 9/64" h o/a, 6.042" thk material; mts by 2 holes on 1-5/16" mtg/c; shoulder rivet on ea side of ctr body	Retains 0-1604 and 0-1569 on H-1718, 0-1607 and 0-1575 on H-1719 and sup- port for H-1614, 0-1605 and 0-1608. Used on units with Teletype serial numbers 11501 and higher N5815-313-5884		N17-T 350017- 0581	СТТ	153335	153335	0-1610	1	0	0		

	SHIM: steel, nickel pl; approx 3/8" OD x 5/32" ID x 0.010" thk o/a	Spaces 0-1615 and A-1355 N5815-332-8848	N17-T 350016- 0110	СТТ	152634	152634	0-1611, 0-1612	2	0	0	
0-1612	Same as 0-1611	Spaces 0-1619 and A-1355									
	LINK: steel; c/o irregular shaped link w/formed ear riveted to "C" shaped bell crank formed at one end; approx 2-13/16" lg x 1-1/16" h x 1-1/16" wd o/a; mts by body hole in bell crank	Disengages 0-1628 and 0-1631 from 0-1726 N5815-370-0482	N17-T 350014- 0133	СТТ	150184	150184	0-1613	1	0	0	
0-1615	Same as 0-1386	Pivot for 0-1613									
	SPRING: helical extension type; 0.012" diam music wire; approx 5/8" ig x 5/32" OD x 1/8" ID o/a; approx 25 turns; parallel hook term ea end; mts by terms	Applies tension to 0-1613 N5815-369-9440	N17-T 350006- 0529	СТТ	81731	81731	0-1616	1	1	1	
	BELL CRANK: steel, nickel pl; one end formed and pointed, other end rounded w/curved arm formed at end, ear on side of body; approx 1-1/4" lg x 1" h x 7/8" wd o/a, 0.065" thk material; mts by hole in rounded end	Shifts 0-1348 N5815-370-1013	N17-T 350014- 0681	СТТ	150438	150438	0-1617	1	0	0	
	BUSHING: steel, nickel pl; male and female; approx 5/16" across flats x #6-40 tapped ID x 1/8" lg o/a, 3/16" diam body	Pivot for 0-1617 N5815-370-0356	N17-T 350013- 0905	СТТ	95827	95827	0-1619	1	1	1	
0-1620	Same as 0-261	Applies tension to 0-1617									
	BAIL: steel, nickel pl; irregular "U" shape w/2 arms on sides and formed ear on base; approx 1-3/8" lg x 5/8" h x 3/4" wd o/a; mts by 2 holes in line in sides; tapped hole in short arm, csk hole in ear	Latches 0-2118 until car- riage return is completed N5815-370-0486	N17-T 350014- 0137	СТТ	150196	150196	0-1621	1	0	0	
	SPRING: helical extension type; 0.018" diam music wire; approx 13/16" lg x 1/4" OD x 7/32" ID; approx 24 turns; parallel hook term ea end; mts by terms	Applies tension to 0-1621 N5815-472-4971	N17-T 350012- 0702	СТТ	125238	125238	0-1622	1	1	1	
0-1623	WICK: lubricating wick; felt, w/o spring; approx 13/16" lg x 3/16" diam o/a	Lubricates 0-1622 N9390-640-9184	N17-T 350015- 0933	СТТ	73520	73520	0-1623	1	1	1	
	HUB: steel, nickel pl; slot between shoulder and shank; approx 5/16" OD x 3/16" ID x 1/8" lg o/a; mts by ID	Pivot for 0-1621 and 0-1625 N5815-370-0361	N17-T 350013- 0911	СТТ	150193	150193	0-1624	1	0	0	
	PLATE: steel, nickel pl; wd end rounded, notch near narrow end; approx 1" lg x 1/2" wd x 0.050" thk o/a; mts by body hole in rounded end, elongated slot near ctr	Unlatches 0-1621 from 0-2118 on completion of carriage return N5815-370-0485	N17-T 350014- 0136	СТТ	150194	150194	0-1625	1	0	0	

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		PARTS		· · · · · · · · · · · · · · · · · · ·							PARE	PA	RTS
SYMBOL	NAME OF PART	FUNCTION	JAN OR	STANDARD NAVY		NUFAC- IRERS	TELETYPE	ALL SYMBOL	S S	EQ	UIP.	ST	ОСК
DESIG.	AND DESCRIPTION	AND FEDERAL STOCK NUMBER	NAVY TYPE DESIGNATION	STOCK NUMBER	CODE	DESIG.	PART NO.	DESIGNATIONS INVOLVED	TOTAL NO.	ВОХ	QUAN.	BOX	NAUG
.	COLLAR: steel, nickel pl; approx 3/8" lg x 5/8" OD x 1/4" ID o/a; mts by ID; 2 tapped holes through lg and one ctb hole in side	Ties 0-1627 and 0-1630 to 0-1668 and allows 0-1668 to drive 0-1627 and 0-1630 N5815-370-0386		N17-T 350013- 0936	CTT	150668	150668	0-1626	1	0			
	ECCENTRIC: super oilite; curved extrusion around 1/2" circum; approx 19/32" OD x 5/32" ID x 3/32" thk o/a; mts by off ctr ID; body hole above and below mtg hole	Drives 0-1628 N5815-370-0493		N17-T 350014- 0144	CTT	150204	150204	0-1627, 0-1630	2	1	2		
	PAWL: steel, nickel pl; irregular shape w/formed ear; approx 3-13/16" lg x 1-1/16" h x 1/8" wd o/a, 0.072" thk material; mts by Parge hole in wd end; LH mtg, csk hole in formed ear	Steps 0-1726 and latches 0-1726 while 0-1631 is stepping N5815-370-0885		N17-T 350014- 0553	CTT	150677	150677	0-1628	1	0	0.		
	SPRING: helical extension type; 0.014" diam music wire; approx 5/8" lg x 3/16" OD o/a; approx 19 turns; parallel hook terms; mts by terms	Applies tension to 0-1628 N5815-448-3919	,	N17-T 350006- 0478	СТТ	75229	75229	0-1629, 0-1632	2	1	1		
0-1630	Same as 0-1627	Drives 0-1631											
	PAWL: steel, nickel pl; irregular shape w/formed ear; approx 3-13/16" lg x 1-1/16" h x 1/8" wd o/a, 0.072" thk material; mts by large hole in round end; RH mtg, csk hole in formed ear	Steps 0-1726 and latches 0-1726 while 0-1628 is stepping N5815-370-1143		N17-T 350014- 0865	СТТ	150678	150678	0-1631	1	0	0		
0-1632	Same as 0-1629	Applies tension to 0-1631											
	RETAINER: steel, nickel pl; approx 21/32" diam x 0.035" thk o/a; mts by 2 body holes; 2 lines scribed between body holes on one side	Retains 0-1628 on 0-1627 and 0-1631 on 0-1630 N5815-370-0492		N17-T 350014- 0143	СТТ	150203	150203	0-1633	1	0	0		
	SLIDE, transfer: steel, nickel pl; irregular "U" shape w/2 arms on one side, one arm irregularly shaped and formed at end, circular cutout one end of base; approx 4-1/16" lg x 2-1/8" h x 1-1/16" wd o/a, 0.065" thk material; mts by 2 elongated slots in line in side of "U"; 2 tapped holes in formed end of arm	Operates 0-1639 N5815-370-1114		N17-T 350014- 0836	СТТ	150235	150235	0-1634	1	0	0		
	SPRING: helical extension type; 0.018" diam music wire; approx 1-15/16" lg x 7/32" OD x 3/16" ID o/a; approx 85 turns; hook terminals ea end; mts by terminals	Applies tension to 0-1634 N5815-370-0564	·	N17-T 350014- 0215	СТТ	150536	150536	0-1635	1	1	1		

	No.											
	ROLLER, bearing; steel; approx 1/8" thk x 3/8" OD x 1/4" ID; mts by ID	Bearing roller for 0-1634 N5815-370-0490		N17-T 350014- 0141	СТТ	150233	150233	0-1636	1	0	0	
	ROLLER, bearing: steel; approx 3/8" OD x 1/4" ID x 1/16" thk o/a; mts by ID	Bearing roller for 0-1634 N5815-370-0496	·	N17-T 350014- 0147	СТТ	150234	150234	0-1637	1	0	0	
	RETAINER: super oilite; approx 1-1/8" diam x 1/8" thk o/a; mts by 2 body holes; dished out one side	Back retainer for 0-1639 N5815-370-0604	, et	N17-T 350014- 255	СТТ	150229	150229	0-1638	1	0	0	
	CUP, dashpot: molded sirvene; dished out one side, tapered circum; 1-1/8" diam x 3/16" thk o/a; mts by 2 holes	Valve for 0-1642 N5815-370-0689		N17-T 350014- 0355	СТТ	150975	150975	0-1639	1	1	1	
	SPACER: aluminum, plain anodize; approx 1/4" OD x 1/8" ID x 0.087" thk o/a; mts by ID	Spaces 0-1638 and 0-1641 from 0-1639 N5815-370-0693		N17-T 350014- 0359	СТТ	150987	150987	0-1640	2	0	0	
	RETAINER: steel, nickel pl; approx 7/8" diam x 1/32" thk o/a; mts by 2 body holes	Front retainer for 0-1639 N5815-370-0364		N17-T 350013- 0914	СТТ	150228	150228	0-1641	1	0	0	
	CYLINDER, dash pot: aluminum, plain anodize; round, 3 feet one side, 1-1/8" diam cutout through most of cylinder, rounded rib w/air valve holes across closed end; approx 1-31/32" lg x 1-3/8" wd x 1-1/4" h o/a; mts by #6-40 hole in ea foot	Slows carriage return to stop N5815-370-0881		N17-T 350014- 0549	СТТ	150538	150538	0-1642	1	0	0	
	SPRING: helical compression type; 0.014'' diam music wire; approx 7/32'' lg x 5/32'' OD o/a; approx 6 turns; straight ends	Applies pressure to 0-1644 N5815-412-4951		N17-T 350004- 0603	СТТ	110872	110872	0-1643	1	0	0.	
0-1644	Same as 0-1362	Valve for air release from 0-1642										
	GUIDE: steel, nickel pl; irregular shape, 3 slots in one end; approx 1" lg x 7/16" h x 5/16" wd o/a; mts by 2 tapped holes; 3 pins pressed into body	Guide for 0-1646, 0-1648 and 0-1649 N5815-412-9188		N17-T 350013- 0601	СТТ	150738	150738	0-1645	1	0	0	
	SLIDE: steel, nickel pl; body ear and open slot one end, ear on ea side other end, formed ear one side; approx $7/8$ " lg x $7/8$ " wd x $1/16$ " h o/a, 0.047" thk material; mts by slot	Positioning stop for 0-1686 or 0-1713 N5815-370-0400		N17-T 350013- 0950	СТТ	150733	150733	0-1646	1	0	0	
	SPRING: helical extension type; 0.010" diam music wire; approx 11/32" lg x 1/8" ID o/a; approx 13 turns; parallel hook term ea end; mts by terms	Applies tension to 0-1648 N5815-370-0097		N17-T 350013- 0616	СТТ	45027	45027	0-1647, 0-1660, 0-1662	3	1	1	
	SLIDE: steel, nickel pl; open slot one end, formed ear and straight ear on ea side other end, notched ear one side; approx $1-1/8$ " lg x $7/8$ " wd x $1/4$ " h o/a, 0.047" thk material; mts by slot	Positioning stop for 0-1686 or 0-1713 and resets 0-1646 and 0-1649 N5815-370-0398		N17-T 350013- 0948	СТТ	150731	150731	0-1648	1	0	0	

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		PARTS								SF	PARE	PA	RTS
SYMBOL	NAME OF PART	FUNCTION	JAN OR	STANDARD NAVY	TL	NUFAC- IRERS	TELETYPE	ALL SYMBOL DESIGNATIONS	OUP.	EQ	UIP.	STO	СК
DES:G.	AND DESCRIPTION	AND FEDERAL STOCK NUMBER	NAVY TYPE DESIGNATION	STOCK NUMBER	CODE	DESIG.	PART NO.	INVOLVED	TOTAL NO.	ğ	QUAN.	BOX	QUAN.
	SLIDE: steel, nickel pl; body ear and open slot one end, body ear on ea side of other end, formed ear one side; approx 7/8" lg x 5/8" wd x 1/16" h o/a, 0.047" thk material; mts by slot	Positioning stop for 0-1686 or 0-1713 N5815-370-0399		N17-T 350013- 0949	СТТ	150732	150732	0-1649	1	0	0		
0-1650	SLIDE, shift: steel, nickel pl; irregular shape, one end rounded, other end formed and pointed, stud riveted near ea end; approx 4-21/32" lg x 11/16" h x 5/8" wd o/a, 0.035" thk material; mts by 2 elongated slots	Positions 0-1653 and 0-1656 N5815-370-1526		N17-T 350015- 0385	СТТ	152596	152596	0-1650	1	0	0		
)-1651	BAIL: steel, nickel pl; body straight, both ends curved and formed, 2 notches in one side approx 3-9/16" lg x 11/16" h x 13/32" wd o/a, 0.035" thk material; mts by body hole near ea end	Stop for 0-1566 and 0-1572 to prevent jamming of printer due to improperly adjusted or badly worn parts N5815-370-1527		N17-T 350015- 0386	СТТ	152597	152597	0-1651	1	0	0		
0-1652	Same as 0-1367	Guide for 0-1650											
0-1653	SLIDE: steel, nickel pl; "T" shape; approx 1-29/32" lg x 1-1/2" wd x 0.045" thk o/a; mts by elongated slot	Operates 0-1692 N5815-412-9183		N17-T 350013- 0596	СТТ	150694	150694	0-1653, 0-1656	2	1	2		
0-1654	Same as 0-214	Lubricates 0-1650 and 0-1653											
0-1655	SPRING: helical compression type; 0.020" diam music wire; approx 5/16" lg x 9/32" OD x 1/4" ID; 5 turns; closed ends	Applies pressure to 0-1653 or 0-1656 N5340-392-0827		N17-S 046657- 8041	СТТ	109839	109839	0-1655, 0-2603, 0-2606	4	1	1		
0-1656	Same as 0-1653	Operates 0-1695	<u> </u>										
0-1657	Same as 0-214	Lubricates 0-1650 and 0-1656											
	BELL CRANK steel, nickel pl; irregular shape, 2 straight arms, 2 formed arms (LH bend); approx 3/4" lg x 1/2" wd x 3/16" h o/a, 0.028" thk material; mts by ID of hub welded to ctr; csk hole near hub	Shifts 0-1649 N5815-370-1119		N17-T 350014- 0841	СТТ	150771	150771	0-1659	1	1	1		
0-1660	Same as 0-1647	Applies tension to 0-1659											
	BELL CRANK: steel, nickel pl; irregular shape, 2 straight arms, 2 formed arms (RH bend); approx 3/4" lg x 1/2" wd x 3/16" h o/a, 0.028" thk material; mts by ID of hub welded to ctr; csk hole near hub	Shifts 0-1646 N5815-370-1118		N17-T 350014- 0840	СТТ	150770	150770	0-1661	1	1	1		

.		1	1								
0-1662	Same as 0-1647	Applies tension to 0-1661									
0-1663	Same as 0-124	Lubricates 0-1659 and 0-1661									
	LEVER: steel, nickel pl; irregular shape, one end "U" formed, other end irregularly formed w/2 cutouts; approx 2-19/32" lg x 13/16" wd x 1-1/2" h o/a, 0.050" thk material; mts by 2 holes in line in "U" formed end	Shifts 0-1681 by H-1711 N5815-370-1411	N17-T 350015- 0263	СТТ	152522	152522	0-1664	1	0	0	
0-1665	Same as 0-214	Lubricates 0-1664 and 0-1666				¥					
1	BUSHING: steel; male and female approx 5/16" OD x 5/32" ID x 11/16" lg o/a, 7/32" body diam, 1/32" thk flange	Pivot for 0-1664 N5815-370-0374	N17-T 350013- 0924	СТТ	150746	150746	0-1666	1	0	0	
	BEARING: aluminum, plain anodized; 2 wings w/round head add body; approx $2-1/4$ " lg x $1-3/8$ " wd x 1" h o/a; mts by tapped hole in ea wing; bushing press fitted at ea end of ID, hole through side of body	Bearing sleeve for 0-1668 N5815-412-9178	N17-T 350013- 0591	СТТ	150672	150672	0-1667	· 1	0	0	
	SHAFT: steel; slot, shank and shoulder one end, groove near other end, tapped hole near ea end; approx 3-5/8" lg x 1/4" diam o/a; mts by body	Drives 0-1627 and 0-1630 through 0-1626 N5815-370-0388	N17-T 350013- 0938	СТТ	150673	150673	0-1668	1	0	0	
	GEAR: spur; steel, nickel pl; helical teeth; RH; 18 teeth; 22 pitch, 1.04" PD; approx 1-1/8" OD x 9/16" thk o/a; straight face; approx 7/16" diam hub; mts by ctb hole in hub side; "150202" stamped on face	Drives 0-1668 N5815-370-0362	N17-T 350013- 0912	СТТ	150202	150202	0-1669	1	0	0 .	
	SHIM: steel; one end rounded; approx 7/8" lg x 3/8" h x 0.002" thk o/a; mts by body hole; cutout one side	Adjustment shim for spacing 0-1667 and A-1355 N5815-370-0387	N17-T 350013- 0937	СТТ	150669	150669	0-1670	8	0	0	
	SHIM: steel; approx 5/16" wd x 1/2" lg x 0.004" thk; mts by body hole in ctr	Adjustment shim for spacing 0-1667 and A-1355 N5815-370-0499	N17-T 350014- 0150	СТТ	150670	150670	0-1671	4	0	0	
	SHIM: nickel silver; oblong shape; approx 13/16" lg x 5/16" wd x 0.012" thk o/a; mts by hole and elongated slot	Adjustment shim for spacing 0-1673 from A-1358 N5815-370-0633	N17-T 350014- 0285	СТТ	150805	150805	0-1672	2	0	0	
	PLATE, retainer: steel, nickel pl; approx 1-1/4" lg x 9/16" wd x 0.035" thk o/a; mts by hole and elongated slot 15/32" c to c; body hole near top	Retains A-1348 to A-1358 N5815-370-0634	N17-T 350014- 0286	CTT	150806	150806	0-1673	4	0	0	
0-1674	RETAINER, oil: hard, white felt; approx 3/8" sq x 1/16" wd o/a	Lubricates A-1348 and 0-1673 N5815-370-0635	N17-T 350014- 0287	СТТ	150807	150807	0-1674	2	.1	1	
U-1674	нетаімен, oil: hard, white felt; approx 3/8" sq x 1/16" wd o/a	0-1673	350014-	CTT	150807	150807	0-1674	2	. 1		1

D-1685	O-1685	0-1685			
D- 1685	D-1685	D-1685			
C-1000	C-1000	0-1000	100		
			000		

		PARTS								SI	ARE	: PA	RTS
				STANDARD		NUFAC-			0 0		UIP.	1	ОСК
YMBOL DESIG.	NAME OF PART AND DESCRIPTION	FUNCTION AND FEDERAL STOCK NUMBER	JAN OR NAVY TYPE DESIGNATION	NAVY STOCK NUMBER	71 30 00 00	DESIG.	TELETYPE PART NO.	ALL SYMBOL DESIGNATIONS INVOLVED	TOTAL NO.	BOX	QUAN.	NOW Y	QUAN.
	LEVER: steel, nickel pl; irregular shape w/3 arms, formed at ends; approx 1-3/8" h x 1-3/16" lg x 3/4" wd o/a, 0.050" thk material; mts by body hole near rounded p/o body	Latch for 0-1721 N5815-370-0412		N17-T 350013- 0962	СТТ	150237	150237	0-1675	í	0	0		
1676	SLEEVE: steel, nickel pl; body grooved out, slot between head and body; approx 1-1/32" lg x 11/32" OD x 1/8" ID o/a; mts by ID	Spaces A-1359 from A-1355 and guide for 0-1702 and 0-1703 N5815-370-0392		N17-T 350013- 0942	СТТ	150709	150709	0-1676	2	0	0		
1677	PULLEY: grooved; black bakelite; approx 1-3/8" OD x 7/32" ID x 3/16" thk o/a; one groove, 5/64" wd x 0.071" deep; mts by ID	Roller guide for W-1306 N5815-370-0488		N17-T 350014- 0139	СТТ	150224	150224	0-1677, 0-1698	4	1	2		
1678	WASHER, felt: hard, white felt; round, 3/8" ID x 9/16" OD x 3/32" thk	Lubricates H-1706 and 0-1677 N5815-370-0105		N17-T 350013- 0628	СТТ	90504	90504	0-1678	2	1	2		
-1679	BLOCK, guide: super oilite; approx 3/4" lg x 1/2" wd x 1/4" thk o/a; mts by 2 body holes; slot across wd on bottom side	Guide for 0-1581 N5815-370-0404		N17-T 350013- 0954	СТТ	150751	150751	0-1679	1	0	0		
1680	PLATE: steel, nickel pl; irregular shape; approx 3/4" lg x 1/2" h x 0.058" thk o/a; mts by 2 tapped holes	Retains 0-1581 against 0-1679 N5815-370-0403		N17-T 350013- 0953	СТТ	150750	150750	0-1680	1	0	0		
1681	SLIDE: steel, nickel pl; irregular shape, 3 body ears one side, one body ear other side, 2 studs and 2 pins welded and riveted to ears, elongated slot near ea end; approx 6-3/4" lg x 11/16" h x 7/32" wd o/a, 0.035" thk material; mts by body	Mounts and positions A-1360 and A-1361 N5815-370-1413		N17-T 350015- 0265	CTT	152595	152595	0-1681	1	0	0		
-1682	OILER, felt: hard, white felt; approx 5/8" lg x 1/4" wd x 1/16" thk o/a; mts by elongated notch in ea end	Lubricates 0-1681 and 0-1688 N5815-370-0672		N17-T 350014- 0336	СТТ	150927	150927	0-1682	2	1	1		
- 1683	LEVER: steel, nickel pl; irregular shape, notch in wd end, other end curved w/small rounded tip; approx 1" lg x 7/16" wd x 0.035" thk o/a; mts by irregularly curved cutout in body	Positioning detents for 0-1681 N5815-370-1490		N17-T 350015- 0349	СТТ	152510	152510	0-1683	2	0	0		
-1684	Same as 0-146	Applies tension to 0-1683											
1685	POLLER, detent: steel, nickel pl; approx 9/2" OD x 1/8" ID x 3/32' wd o/a; mts by D; groove around circum	Roller guide for positioning 0-1681 with 0-1683 N5815-370-1487		N17-T 350015- 0346	СТТ	152507	152507	0-1685	2	0	0		

0-1686	SLIDE: steel; irregular shape w/identical ends and formed bottom, slide w/formed ends extending in large ctr cutout mtd by guides to ea side of large ctr cutout, bell crank riveted above ea slide, CTT #84575 spring hooked to ea bell crank and anchored to ctr ear on top of body, stop pin riveted next to ea bell crank, 2 studs near ea pin, CTT #150776 roller and CTT #119647 ring retainer on ea of the two longer studs; approx 6-1/4" lg x 1-1/4" h x 1/2" wd o/a; mts by both ends; 3 body holes below ctr cutout	Letters and figures positioning slides; operates 0-1691 and 0-1694 or 0-1707 and 0-1710 N5815-370-1123	N17-T 350014- 0845	СТТ	150953	150953	0-1686	1	0	0	
0-1687	SPRING: helical extension type; 0.010" diam music wire; approx 11/32" lg x 1/8" OD o/a; approx 27 turns; parallel hook terminals mts by terms	Applies tension to slides on 0-1686 or 0-1713 N5815-448-4068	N17-T 350006- 0578	СТТ	84575	84575	0-1687, 0-2091	4	1	1	
	GUIDE: steel, nickel pl; irregular shape, both ends formed, weld disc and tapped hole in smaller formed end, irregular shaped cutout and slot in body; approx 1-7/8" lg x 1-7/32" wd x 13/16" h o/a, 0.065" thk material; mts by elongated slot and body hole in larger formed end, LH mtg	Left end guide for 0-1681 and 0-1686 or 0-1713 N5815-370-1525	N17-T 350015- 0384	СТТ	152592	152592	0-1688	1	0	0	
	GUIDE: steel, nickel pl; irregular shape, both ends formed, weld disc w/tapped hole in smaller end, elongated slot in other end, irregular shape slot and cutout in body; approx 2-13/32" lg x 1-7/32" wd x 1" h o/a, 0.065" thk material; mts by body hole and elongated hole in formed wing, PH mtg	Pight end guide for 0-1681 and 0-1686 or 0-1713 N5815-370-1719	N17-T 350015- 0590	СТТ	152511	152511	0-1689	- 1	0	ō	
1	OILER, felt: hard, white felt; approx $1/2$ " lg x $1/4$ " wd x $1/16$ " thk o/a; mts by elongated notch in ea end	Lubricates 0-1686 or 0-1713 N5815-370-0673	N17-T 350014- 0337	СТТ	150929	150929	0-1690	2	1	1	
	LINK: steel, nickel pl; irregular shape w/round ear and formed ear, stud riveted to smaller end; approx 1-1/16" lg x 9/16" h x 3/16" wd o/a, 0.042" thk material; mts by hole in large end, RH mtg	Operates 0-1692. Used on units with Teletype serial numbers 8504 and lower N5815-370-0611	N17-T 350014- 0262	СТТ	150691	150691	0-1691	1	0	0	
	LINK: steel; irregular shape, link w/2 formed ears and body ear w/csk hole riveted to plate w/body ear by shoulder rivet; approx 2-1/4" lg x 3/4" h x 3/8" wd o/a; mts by 2 tapped holes in plate and ID of hub welded to link, RH mtg	Positions 0-1697. Used on units with Teletype serial numbers 8504 and lower N5815-412-9186	N17-T 350013- 0599	СТТ	150727	150727	0-1692	1	0	0	
	SPRING: torsion type; 0.024" diam music wire; approx 13/32" OD x 7/16" wd x 1/4" lg o/a; 4 turns; LH turns; hook ends; mts by ends	Applies pressure to 0-1692 and 0-1693. Used on units with Teletype serial numbers 8504 and lower N5815-370-1565	N17-T 350015- 0424	СТТ	151698	151698	0-1693, 0-1696	. 2	1	1	

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LL SYMBOL SIGNATIONS INVOLVED	TOTAL NO.	XOR	OUAN.	Nos	QUAN.	8 Section 0-1694—0-1703
4	1	0	0			
5 .	1	0	0			
7	1	0	0			NAVSHIPS 91713
9	4	1	1			
)	2	0	0			
1	2	0	0			
2	1	0	0			
3	1	0	0			PARTS LISTS
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TABLE 8-4. C	OMBINED	PARTS	AND	SPARE	PARTS	LIST
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		PARTS									PARE	PA	RTS
SYMBOL	NAME OF PART	FUNCTION	JAN OR	STANDARD		NUFAC- JRERS		ALL SYMBOL	S S	EQ	UIP.	ST	оск
DESIG.	AND DESCRIPTION	AND FEDERAL STOCK NUMBER	NAVY TYPE DESIGNATION	NAVY STOCK NUMBER	3000	DESIG.	TELETYPE PART NO.	DESIGNATIONS INVOLVED	TOTAL NO.	ğ	OUAN.	ВОХ	NAU
	LINK: steel, nickel pl; irregular shape w/round ear and formed curved ear, stud riveted to small end of link; approx 1-1/16" lg x 1/2" h x 3/8" wd o/a, 0.042" thk material; mts by hole in large end, LH mtg	Operates 0-1695. Used on units with Teletype serial numbers 8504 and lower N5815-370-0615		N17-T 350014- 0266	СТТ	150692	150692	0-1694	1	0	0		
	LINK: steel; irregular shape, link w/2 formed ears and body ear w/csk hole riveted to plate w/body ear by shoulder rivet; approx 2-1/4" lg x 3/4" h x 3/8" wd o/a; mts by 2 tapped holes in plate and ID of hub welded to link, LH mtg	Positions 0-1697. Used on units with Teletype serial numbers 8504 and lower N5815-412-9185		N17-T 350013- 0598	СТТ	150726	150726	0-1695	1	0	0		
0-1696	Same as 0-1693	Applies pressure to 0-1694 and 0-1695. Used on units with Teletype serial numbers 8504 and lower	·										
	RAIL: steel, nickel pl; irregular "U" shape, 2 wings on ea end and 2 wings w/cutout in ea near ctr; approx 11-1/8" lg x 3/4" h x 3/8" wd o/a; mts by 2 holes in line ea end; bracket welded on ea end of body, elongated slot and hole in ea ctr wing	Rail for 0-1705 and horizontally positions 0-1943 by 0-1705 N5815-412-9187	·	N17-T 350013- 0600	СТТ	150728	150728	0-1697	1	0	0		
0-1698	Same as 0-1677	Roller guide for W-1307											
	WASHER, felt: hard, white felt; round, approx 5/8" OD x 5/16" ID x 1/32" thk o/a	Lubricates 0-1698 and 0-1700 N5815-370-0671		N17-T 350014- 0335	стт	150926	150926	0-1699	4	1	1		
	BUSHING: steel; male and female; approx 7/32" OD x 5/32" ID x 9/32" lg o/a	Bearing roller for 0-1698 N5815-370-0372		N17-T 350013- 0922	СТТ	150705	150705	0-1700	2	0	0		
	BUSHING: steel, nickel pl; male and female; approx 3/8" OD x #6-40 tapped ID x 11/32" lg o/a, drive slot across head	Pivot for 0-1702 and 0-1703 N5815-370-0365		N17-T 350013- 0915	стт	150255	150255	0-1701	2	0	0		
	ARM: steel, nickel pl; irregular shape w/one arm; approx 3-1/2" lg x 2" h x 1/2" wd o/a, 0.072" thk material; mts by ID of bushing welded to end, RH mtg; stud welded to end w/arm	Guides and allows 0-1697 to be positioned N5815-370-0586		N17-T 350014- 0237	СТТ	150721	150721	0-1702	1	0	0		
,	ARM: steel, nickel pl; irregular shape w/one arm; approx 3-1/2" lg x 2" h x 1/2" wd o/a, 0.072" thk material; mts by ID of bushing welded to end, LH mtg; stutiwelded to end w/arm	Guides and allows 0-1697 to be positioned N5815-370-0585		N17-T 350014- 0236	СТТ	150722	150722	0-1703	1	0	0		

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ł	WASHER, felt: hard, white felt; round, approx 11/16" OD x 17/32" ID x 1/8" thk o/a	Lubricates 0-1701, 0-1702 and 0-1703 N9390-281-8823		N17-T 350013- 0630	СТТ	89096	89096	0-1704, 0-1820	3	1	1	
	SLIDE: steel, nickel pl; irregular "U" shape w/ends formed in, plate w/2 tapped holes welded to bottom, hub welded to body ear, and cutout on bottom; approx 1-1/4" lg x 5/8" h x 15/32" wd o/a; mts by inside of "U"	Type spaces 0-1943 and horizontally positions 0-1943 by 0-1905 N5815-370-1493		N17-T 350015- 0352	СТТ	152521	152521	0-1705	1	0	0	
	WICK: lubrication wick; hard, white felt; approx 9/32" lg x 3/16" diam o/a	Lubricates 0-1697, 0-1705 and 0-1905 N5815-448-1782		N17-T 350002- 0671	СТТ	85816	85816	0-1706	1	1	1	
	LINK: steel, nickel pl; both ends rounded, formed ear at stud end; approx 1-1/16" lg x 3/16" wd x 9/16" h o/a, 0.042" thk material; mts by hole 11/16" c to c w/riveted stud, RH mtg	Operates 0-1708. Used on units with Teletype serial numbers 8505 and higher N5815-091-9580		N17-T 350017- 0554	СТТ	153180	153180	0-1707	. 1	0	0	
	LINK: steel, nickel pl; irregalar shape, plate w/riveted roller riveted to link w/riveted roller; approx 2-3/16" lg x 3/8" wd x 1-1/4" h o/a; mts by 2 holes 5/8" c to c in plate, RH mtg	Positions 0-1697. Used on units with Teletype serial numbers 8505 and higher N5815-091-9581		N17-T 350017- 0555	СТТ	153175	153175	0-1708	1	0	0	
1	SPRING: loop type; 0.040" valve spring wire; approx 2-1/8" lg x 15/16" h o/a; mts by curved ends	Applies tension to 0-1707 and 0-1708. Used on units with Teletype serial numbers 8505 and higher	9	N17-T 350017- 0552	СТТ	153172	153172	0-1709, 0-1712	2	0	0	
	LINK: steel, nickel pl; both ends rounded, formed ear at stud end; approx 1-1/16" lg x 3/16" wd x 9/16" h o/a, 0.042" thk material; mts by hole 11/16" c to c w/riveted stud, LH mtg	N5815-091-9578 Operates 0-1711. Used on units with Teletype serial numbers 8505 and higher N5815-091-9570		N17-T 350017- 0544	СТТ	153181	153181	0-1710	1	0	0	
	LINK: steel, nickel pl; irregular shape, plate w/riveted roller riveted to link w/riveted roller; approx 2-3/16" lg x 3/8" wd x 1-1/4" h o/a; mts by 2 holes 5/8" c to c in plate, LH mtg	Positions 0-1697. Used on units with Teletype serial numbers 8505 and higher N5815-091-9582		N17-T 350017- 0556	СТТ	153174	153174	0-1711	1	0	0	
0-1712	Same as 0-1709	Applies tension to 0-1710 and 0-1711. Used on units with Teletype serial numbers 8505 and higher										
	SLIDE: steel, nickel pl; irregular shape, bottom formed, slide attached near both ends of ctr cutout by staked guides, 2 studs, 2 pins and 2 bell cranks riveted near top, 2 CTT #84575 springs attached to bell cranks; approx 6-3/16" lg x 1-5/32" h x 5/16" wd o/a; mts by both ends; 3 holes below ctr cutout	Letters and Figures positioning slide; Operates 0-1707 and 0-1710. Used on units with Teletype serial numbers 8505 and higher N5815-091-9569		N17-T 350017- 0543	CTT	153183	153183	0-1713	1	0	0	

8 Section 0-1715—0-1722

	TAI	BLE 8-4. COMBINED	PARTS ANI	SPARE	P#	ARTS L	.IST							
		PARTS								SF	ARE	PA	RTS	-
SYMBOL DESIG.	NAME OF PART AND DESCRIPTION	FUNCTION AND FEDERAL STOCK NUMBER	JAN OR NAVY TYPE DESIGNATION	STANDARD NAVY STOCK NUMBER		DESIG.	TELETYPE PART NO.	ALL SYMBOL DESIGNATIONS INVOLVED	TOTAL NO.		UIP.	ST X	OCK	
	DRUM, spring: aluminum alloy, plain anodize; approx 3-1/2" OD x 1/4" ID x 1/1/16" wd o/a; mts by ID of bushing press fitted to drum; 2 slots around circum, 6 equidistant spokes, dished out both sides, 7 axial tapped holes, one radial tapped hole ctb to 2 diam and 2 radial body holes	Mounts 0-1719 and 0-1721 and operates W-1306 on carriage return N5815-370-0645		N17-T 350014- 0297		150827	150827	0-1715	1	0	0			-
	PLATE: steel, nickel pl; irregularly formed arm extending from one side; approx 3/4" lg x 3/8" h x 1/4" wd o/a, 0.065" thk material; mts by 2 tapped holes	Anchors 0-1685 to 0-1715 N5815-370-0377		N17-T 350013- 0927	СТТ	150843	150843	0-1716	1	0	0			
	WASHER, felt: hard, white felt; round, approx 5/8" OD x 3/8" ID x 1/4" thk o/a	Lubricates H-1742 and 0-1715 N5815-125-8116		N17-T 350001- 0890	СТТ	74755	74755	0-1717, 0-1724	2	1	2			
	BUSHING: steel, nickel pl; male and female; approx 15/32" OD x 1/8" ID x 1/8" thk o/a, 3/8" diam x 1/32" thk shoulder, slot around ctr	Guide for W-1307 N5815-370-0203		N17-T 350013- 0748	СТТ	151619	151619	0-1718	1	0	0			
	SPRING: motor type; blue tempered clock spring steel 3/8" wd x 1/64" thk; approx 3/8" thk x 12" diam o/a; mts by slot on inside end	Applies tension to 0-1715 N5815-448-3826		N17-T 350008- 0103	СТТ	74272	74272	0-1719	1	1	1			
0-1720	DISK: steel, nickel pl; circular shape, 3 equidistant cutouts in circum, 3 large and 3 small body holes around ID; approx 3-1/2" OD x 3/4" ID x 0.035" thk o/a; mts by 3 elongated curved slots near circum	Retains 0-1719 in cutout side of 0-1715 N5815-370-0627		N17-T 350014- 0279	СТТ	150796	150796	0-1720	1	0	0			
0-1721	RATCHET: steel, nickel pl; 18 teeth on circum, hub w/slotted out strip on side welded to ctr; approx 2-3/8" diam x 3/4" wd o/a; mts by ID of hub; 6 equidistant holes in ratchet	Anchor for and adjusts tension of 0-1719 N5815-370-0418		N17-T 350013- 0968	СТТ	150251	150251	0-1721	1	0	0			
0-1722	DRUM, spacing: aluminum, plain anodize; circular shape, 3 spokes to hub, body ear, rise, 3 tapped holes and elongated curved slot at hub, 4 tapped holes in 3 rises at circum end of spokes, pin inserted inside circum, slot through side of rim, slot and groove around circum, bushing pressed in ID of drum; approx 3-1/2" OD x 1/4" ID x 5/8" lg o/a; mts by ID	Anchor for W-1306 and W-1307 and mounts 0-1726, 0-1727, 0-1728 and 0-1729 N5815-370-1521		N17-T 350015- 0380	СТТ	152587	152587	0-1722	1	0	0			
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	LEVER: steel, nickel pl; one end irregularly formed, other end wd w/ large curved cutout; approx 1-15/32" lg x 23/32" wd x 3/8" h 0/a, 0.065" thk material; mts by tapped hole near ctr		N17-T 350015- 0382	СТТ	152590	152590	0-1723	1	0	0	
0-1724	Same as 0-1717	Lubricates H-1757 and 0-1722			-						
	SPACER: steel, nickel pl; approx 3/8" OD x 3/16" ID x 13/32" lg o/a; mts by ID	Spaces 0-1722 and A-1358 N5815-370-0494	N17-T 350014- 0145	СТТ	150206	150206	0-1725	1	0	0	
	RATCHET: steel, nickel pl; approx 3-7/16" OD x 3-1/16" ID x 3/16" wd o/a; mts by ID; 103 teeth around circum, notch in ID	Advances 0-1722 on type space N5815-370-1120	N17-T 350014- 0842	СТТ	150798	150798	0-1726	1	0	0	
	RING, retainer: aluminum alloy, plain anodize; approx 3-1/2" OD x 3" ID x 1/4" thk o/a; mts by body holes in 2 round ears on ID; ID has 2 cutouts, slot around circum	Guide for W-1306 and W-1307 and clamps 0-1726 to 0-1722 N5815-370-0647	N17-T 350014- 0299	СТТ	150838	150838	0-1727	1	0	0	
	ARM: steel, nickel pl; irregular shape, 2 formed arms, one w/bearing roller held near end by stud, one body ear and one large body hole; approx 2-1/16" lg x 1-7/8" h x 15/32" wd o/a, 0.065" thk material; mts by 2 elongated curved slots	Operates 0-1634 and disengages 0-1621 from 0-1613 through 0-1625 N5815-370-1522	N17-T 350015- 0381	СТТ	152588	152588	0-1728	1	0	0	
	ARM: steel, nickel pl; irregular shape, short arm one end, lg "U" formed arm other end; approx 1-11/16" lg x 1-11/16" h x 15/32" wd o/a, 0.065" thk material; mts by elongated curved slot in body	Operates 0-1617 on automatic carriage return N5815-370-1524	N17-T 350015- 0383	СТТ	152591	152591	0-1729	1	0	0	
	SHAFT: steel; threaded shank and 2 flats one end, plain shank w/slot other end, wd slot in body; approx 1-25/32" lg x 1/4" diam o/a; mts by 3/16" lg #6-40 threaded shank	Shaft for selector and code bar clutch trip mechanism N5815-370-0962	N17-T 350014- 0630	СТТ	150348	150348	0-1730	1	0	0	
	LEVER: steel, nickel pl; one end "U" shape w/formed spring notched ear, other end curved and formed; approx 1-19/32" lg x 3/8" h x 13/16" wd o/a, 0.051" thk material; mts by 2 holes in line in sides of "U"	Prevents code bar clutch from reversing by latching 0-1808 N5815-370-1063	N17-T 350014- 0752	СТТ	150355	150355	0-1731, 0-1742, 0-1750, 0-1765, 0-1774	5	1	2	
	SPRING: helical extension type; 0.016" diam music wire; approx 15/16" lg x 5/32" OD x 1/8" ID o/a; approx 39 turns; hooked term ea end, indexed 90°; mts by terms	Applies tension to 0-1731 N5340-448-3871	N17-T 350006- 0446	СТТ	74701	74701	0-1732, 0-1748, 0-1751, 0-1763, 0-1772, 0-1775, 0-2126	8	1	3	
0-1733	Same as 0-1319	Lubricates 0-1731								1.	
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TABLE 8-4. COM	BINED PARTS	AND S	SPARE	PARTS	LIST
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		PARTS								SI	ARE	PA	RTS
SYMBOL	NAME OF PART AND	FUNCTION AND	JAN OR NAVY TYPE	STANDARD NAVY	TU	NUFAC- RERS	TELETYPE	ALL SYMBOL DESIGNATIONS	TOTAL NO.		UIP.	 	ock
DESIG.	DESCRIPTION	FEDERAL STOCK NUMBER	DESIGNATION	STOCK NUMBER	CODE	DESIG.	PART NO.	INVOLVED	TOT A	ğ	QUAN.	BOX	OUAN.
-1734	LEVER: steel, nickel pl; one end "U" formed w/slot through bottom to mtg holes, other end formed; approx 1-3/8" lg x 9/16" h x 1/4" wd o/a, 0.050" thk material; mts by 2 holes in line in sides of "U"	Engages and disengages 0-1810 N5815-370-0966		N17-T 350014- 0634	СТТ	150356	150356	0-1734, 0-1753	2	1	2		
0-1735	WASHER, felt: hard, white felt; round, approx 1/2" OD x 9/32" ID x 1/8" thk o/a	Lubricates 0-1730 and 0-1736 N5815-370-0103		N17-T 350013- 0625	СТТ	90819	90819	0-1735	2	1	2		
)- 1736	BUSHING: steel, nickel pl; male and female; approx 7/8" lg x 1/2" across flats x 1/4" ID o/a, c/o hex shoulder, 3/8"-32" threaded body and shank on ea end	Bearing sleeve for 0-1730 N5815-370-0367		N17-T 350013- 0917	СТТ	150352	150352	0-1736	1	0	0		
)-1737	LEVER: steel, nickel pl; irregular shape, formed ear notched on ea side w/hooked end, "'V" notch near narrow end of body; approx 2-3/4" lg x 3/4" wd x 7/16" h o/a, 0.050" thk material; mts by elongated slot in round end	Unlatches 0-1734 from 0-1810 by 0-1730 N5815-370-1018		N17-T 350014- 0686	СТТ	150444	150444	0-1737	1	0	0		
0-1738	Same as 0-154	Applies tension to 0-1737											
- 1739	Same as 0-370	Lubricates 0-1792											
)- 174 0	SHAFT: steel; threaded shank and 2 flats one end, short slotted shank other end; approx 9-3/4" lg x 1/4" diam o/a; mts by 3/16" lg #6-40 threaded shank	Shaft for function, spacing, line feed and type box clutch trip mechanism N5815-370-0963		N17-T 350014- 0631	CTI	150350	150350	0-1740	1	0	0		
0-1741	COLLAR: steel, nickel pl; approx 1/4" lg x 7/16" OD x 1/4" ID o/a; mts by ID; tapped hole to ID	Retains function and spacing clutch trip mechanism in position N5815-129-1814		N17-T 350001- 0800	СТТ	74547	74547	0-1741, 0-1760, 0-1768	3	1	1		
0-1742	Same as 0-1731	Prevents spacing clutch from reversing by latching 0-1848											
0-1743	SPRING: helical extension type; 0.018" diam music wire; approx 11/64" OD x 13/16" lg o/a; approx 28 turns; hooked terms, indexed 90°	Applies tension to 0-1742 N5815-524-3426			СТТ	135716	135716	0-1743, 0-1766	2	0	0		
)-1744	Same as 0-1319	Lubricates 0-1742											

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	LEVER: steel, nickel pl; one end "U" formed w/body ear w/tapped hole and formed ear w/2 notches, other end formed; approx 1-3/8" lg x 7/8" h x 5/8" wd o/a; mts by 2 holes in line in sides of "U"	Engages and disengages 0-1851 N5815-370-0654	N17-T 350014- 0318	СТТ	150889	150889	0-1745	1	1	1		
	APM: clutch trip lever; steel, nickel pl; "U" formed w/body ear one end, other end curved and formed, formed ear on body; approx 2-5/16" lg x 1" h x 1" wd o/a, 0.050" thk material; mts by 2 body holes in line in "U" formed end	Disengages 0-1745 from 0-1851 N5815-370-1838	N17-T 350015- 0723	СТТ	152517	152517	0-1746	1	0	0		
0-1747	Same as 0-1319	Lubricates 0-1745 and 0-1746										
0-1748	Same as 0-1732	Applies tension to 0-1745							ļ			
	SPACER: aluminum, plain anodized; approx 3/8" OD x 1/4" ID x 1/4" lg o/a; mts by ID	Spaces 0-1745 and 0-1750 N5815-370-0970	N17-T 350014- 0638	СТТ	150361	150361	0-1749	1	0	0		
0-1750	Same as 0-1731	Prevents function clutch from reversing by latching 0-1827										
0-1751	Same as 0-1732	Applies tension to 0-1750										
0-1752	Same as 0-1319	Lubricates 0-1750										
0-1753	Same as 0-1734	Engages and disengages 0-1830										
	ARM, follower: steel, nickel pl; irregular shape, formed at ctr, tapped hole and csk hole in wd end; approx 1-5/8" lg x 3/16" h x 1/2" wd o/a, 0.065" thk material; mts by slot in smaller end	Disengages 0-1753 from 0-1830 by 0-1740 and 0-1771 from 0-1886 by 0-1740 and 0-1773 N5815-370-0863	N17-T 350014- 0531	СТТ	150349	150349	0-1754	1	0	0		
0-1755	Same as 0-777	Applies tension to 0-1754										
0-1756	Same as 0-1309	Lubricates 0-1755										į
0-1757	Same as 0-1314	Lubricates 0-1758 and 0-1759										
0-1758	Same as 0-1388	Bearing roller for 0-1759									ļ	
Į l	DETENT, cam roller; steel; approx $7/32$ " thk x $1/2$ " OD x $3/16$ " ID o/a; mts by ID; ctb ID to $5/16$ " diam x $3/32$ " deep	Cam roller guide for 0-1754 N5815-313-8952	N17-T 350001- 0905	СТТ	74785	74785	0-1759	1	0	0		
0-1760	Same as 0-1741	Retains line feed clutch trip mechanism in position										
			 		'			<u></u>				

		PARTS									SF	ARE	PA	RTS
MBOL SESIG.	NAME OF PART AND	FUNCTION AND	JAN OR NAVY TYPE	STANDARD NAVY STOCK	_ TL	NUFAC- JRERS	TELETYPE PART NO.		SYMBOL GNATIONS	TOTAL NO.	ΕQ	UIP.	├	OCK
	DESCRIPTION	FEDERAL STOCK NUMBER	DESIGNATION	NUMBER	CODE	DESIG.	PARI NO.	IN	VOLVED	TOT/	ВОХ	OUAN.	ğ	OUAN.
	LEVER: steel, nickel pl; irregular shape, mtg end "U" formed, "U" shape curve in body near ctr; approx 2-5/32" lg x 21/32" wd x 1-3/32" h o/a, 0.050" thk material; mts by 2 holes in line; 2 formed lugs, tapped hole in rounded ear	Engages and disengages 0-1869 N5815-370-1009		N17-T 350014- 0677	СТТ	150431	150431	0-1761		1	T _			
	ARM: steel, nickel pl; one end "U" formed w/rounded ear, body formed near other end; approx 2-1/8" lg x 3/4" h x 1/2" wd o/a, 0.050" thk material; mts by 2 holes in line in sides of "U"	Disengages 0-1761 from 0-1869 N5815-370-0892		N17-T 350014- 0560	СТТ	150895	150895	0-1762		1	0	0		
-1763	Same as 0-1732	Applies tension to 0-1761												i
-1764	Same as 0-1319	Lubricates 0-1761 and 0-1762												
- 1765	Same as 0-1731	Prevents line feed clutch from reversing by latching 0-1866										:		
-1766	Same as 0-1743	Applies tension to 0-1765												ł
1767	Same as 0-1319	Lubricates 0-1765		v.										i
1768	Same as 0-1741	Retains line feed clutch trip mechanism in position							•					
-1769	Same as 0-1319	Lubricates 0-1740 and 0-1770												
- 1770	BUSHING: steel, nickel pl; male and female; approx 11/32" lg x 1/2" across flats x 1/4" ID o/a, shank threaded 3/16" lg w/3/8"-32 thd	Sleeve bearing for 0-1740 N5815-370-1422		N17-T 350015- 0274	СТТ	152726	152726	0-1770		1	0	0		
- 1771	LEVER: steel, nickel pl; irregular shape, "U" formed one end w/formed spring notched ear, formed ear near other end; approx 1-11/16" lg x 15/16" h x 3/8" wd o/a, 0.051" thk material; mts by 2 holes in line in sides of "U"	Engages and disengages 0-1886 N5815-370-0968		N17-T 350014- 0636	СТТ	150358	150358	0-1771		1	1	1		
- 1772	Same as 0-1732	Applies tension to 0-1771												

	ARM: steel, nickel pl; "U" formed w/ irregular shaped ear across top of one side, slot through bottom to mtg holes; approx 3/4" lg x 1/2" h x 1/4" wd o/a, 0.050" thk material; mts by 2 holes in line in sides of "U"	Disengages 0-1771 from 0-1886 N5815-370-0965	N17-T 350014- 0633	CTT	150354	150354	0-1773	1	0	0	
0-1774	Same as 0-1731	Prevents type box clutch from reversing by latching 0-1883									
0-1775	Same as 0-1732	Applies tension to 0-1774									
0-1776	Same as 0-1319	Lubricates 0-1774									
1	COLLAR, shaft: steel, nickel pl; approx 9/16" lg x 5/8" OD x 3/8" ID o/a; mts by hole through ID	Retains 0-1817 to A-1389 (If so equipped. See 0-1819)		СТТ	153823	153823	0-1790	1	O	0	
1	SHAFT: steel; 4 slots, 8 body holes and 3 tapped holes throughout lg; approx $14-3/8$ " lg x $7/16$ " diam o/a; mts by shank at ea end	Mounts main shaft mechanism N5815-370-1483	N17-T 350015- 0342	СТТ	152447	152447	0-1791	1	0	0	
	CAM, selector: steel, nickel pl; irregular shape shaft w/9 irregularly spaced cam surfaces, 2 slots and 2 flats on head, shield w/2 cutouts in circum near head, CTT #152494 wick assem attached to shaft behind shield, bushing press fitted in ea end; approx 1-21/32" lg x 31/32" OD x 3/8" ID o/a; mts by ID	Drives symbols 0-1508 through 0-1515 and 0-1737 N5815-370-1250	N17-T 350014- 0994	CTT	152450	152450	0-1792	1	0	0	
0-1793	Same as 0-337	Drives 0-1792									
0-1794	Same as 0-340	Applies tension to 0-1796									
0-1795	Same as 0-338	Drives 0-1793									
	LEVER: steel, nickel pl; irregular shape, one end "U" formed, 2 formed ears and body hole at other end, csk hole in rise; approx 1-11/16" lg x 13/16" wd x 3/16" h o/a, 0.042" thk material; mts by body and formed ears	Engages and disengages 0-1798 and 0-1799 N5815-370-1089	N17-T 350014- 0783	СТТ	151640	151640	0-1796	1	1	1	
0-1797	Same as 0-341	Lubricates selector clutch mechanism									
0-1798	Same as 0-343	Drives 0-1795 when in engaged position									
0-1799	Same as 0-342	Permits 0-1798 to drive 0-1795 when in engaged position									
0-1800	Same as 0-344	Applies tension to 0-1798 and 0-1799									
		,									

TABLE 8-4. COMBINED PARTS AND SPARE PARTS LIST

		PARTS								SF	PARE	E PA	RTS
YMBOL	NAME OF PART	FUNCTION	JAN OR	STANDARD NAVY	TL	NUFAC- RERS	TELETYPE	ALL SYMBOL	S S	EQ	UIP.		ock
DESIG.	AND DESCRIPTION	AND FEDERAL STOCK NUMBER	NAVY TYPE DESIGNATION	STOCK NUMBER	CODE	DESIG.	PART NO.	DESIGNATIONS INVOLVED	TOTAL NO.	80 M	QUAN.	Š	QUAN.
	DRUM, clutch: steel, nickel pl; dished out one side w/90 teeth within circum, hub on other side w/slot through lg to body hole on ea side in face of drum, body hole through 2 flats on hub; approx 1-5/8" OD x 5/16" ID x 1/2" lg o/a; mts by ID	Drives 0-1798 and 0-1799 when they are engaged N5815-370-0263		N17-T 350013- 0810	СТТ	150001	150001	0-1801		1			
	CAM: steel, nickel pl; one half round, other half irregularly curved; approx 1-9/16" OD x 9/16" ID x 0.065" thk o/a; mts by ID w/2 elongated cutouts; circle scribed in face	Drives 0-1754 through 0-1759 N5815-370-1110		N17-T 350014- 0832	СТТ	150004	150004	0-1802	1	0	0		
- 1803	WASHER, flat: steel, nickel pl; round, approx $1-1/16$ " OD x $9/16$ " ID x 0.065 " thk $0/4$; 2 elongated cutouts in ID	Spaces 0-1802 and 0-1806 N5815-370-0265		N17-T 350013- 0812	СТТ	150016	150016	0-1803	1	0	0		
-1804	CAM: super oilite; approx 13/16" OD x 9/16' ID x 0.064" thk o/a; mts by off-ctr ID w/2 elongated slots; circle scribed on one side	Drives 0-1805 N5815-370-0272		N17-T 350013- 0820	СТТ	150051	150051	0-1804	1	1	1		
-1805	ARM: steel, nickel pl; both ends rounded, hub welded to small end; approx 3-1/8" lg x 1-7/16" wd x 5/32" h o/a, 0.065" thk material; mts by large body hole in large end	Drives 0-1563 by H-1576 N5815-370-0602		N17-T 350014- 0253	СТТ	150056	150056	0-1805	1	1	1		
	SPACER, clutch: phosphor bronze; irregular circular shape; approx 1-5/16" OD x 9/16" ID x 0.025" thk o/a; mts by ID w/2 cutouts; circle scribed on one side	Retains 0-1805 on 0-1804 N5815-370-0480		N17-T 350014- 0131	СТТ	150050	150050	0-1806	2	0	0		
-1807	BEARING, sleeve: super oilite; approx 27/32" lg x 31/32" OD x 7/16" ID o/a, 2 slots and 2 flats one end, 2 grooves in other end, 2 body holes in shoulder	Sleeve bearing for code bar clutch N5815-370-0270		N17-T 350013- 0818	СТТ	150047	150047	0-1807	1	1	1		
	DISK: chrome nickel steel; circular shape, irregularly perforated, formed ear between 2 notches; approx 1-7/16" largest diam x 3/8" wd o/a, 0.065" thk material; mts by two #4-40 holes in bushings; stud, large ctr slot and 2 curved slots irregularly located (Replaces CTT #150028)	Drives 0-1802, 0-1804 and 0-1807 N3010-524-3428			СТТ	155047	155047	0-1808	1	0	0		
- 1809	Same as 0-338	Drives 0-1808											
-1810	Same as 0-339	Engages and disengages 0-1813 and 0-1814											

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0-1811	Same as 0-340	Applies tension to 0-1810											
0-1812	Same as 0-341	Lubricates code bar clutch mechanism							-				
0-1813	Same as 0-343	Drives 0-1809 when in engaged position									ļ		
0-1814	Same as 0-342	Permits 0-1813 to drive 0-1809 when in engaged position											
0-1815	Same as 0-344	Applies tension to 0-1813 and 0-1814											
0-1816	DRUM, clutch: steel, nickel pl; dished out one side w/90 teeth within circum, hub on other side w/slot through lg to body hole on ea side in face of drum, body hole through flat of hub and tapped at other end; approx 1-5/8" OD x 7/16" ID x 1/2" lg o/a; mts by ID	Drives 0-1813 and 0-1814 when they are engaged N5815-412-5080	N17-T 350004- 0784	СТТ	150000	150000	0-1816, 0-1860, 0-1891	0-1839, 0-1878,	5	1	1		
0-1817	BEARING, ball: single row radial; 2 shields; light duty; approx 7/8" OD x 3/8" ID x 9/32" lg o/a; 7 balls; packed w/beacon 325 grease; std fit; ABEC - 1 std tol	Right side frame bearing for 0-1791	G3110- 155- 8418	CGM	77-R-6	151633	0-1817,	0-1997	2	0	0		
0-1818	RETAINER, bearing: steel, nickel pl; irregular shape, top irregularly formed w/cutout in ctr; approx 1-15/16" lg x 1-13/32" h x 5/32" wd o/a, 0.050" thk material; mts by body hole in ea of 2 rounded projections on bottom	Retains 0-1817 to A-1389 (If so equipped. See 0-1790) N5815-370-1725	N17-T 350015- 0596	СТТ	152573	152573	0-1818		1	0	0		
1	COLLAR: steel, nickel pl; shoulder at ea end, hole through body; approx 19/32" OD x 3/8" ID x 9/16" lg o/a; mts by ID	Retains 0-1817 to A-1389 N5815-370-1484	N17-T 350015- 0343	СТТ	152454	152454	0-1819		1	0	0		
0-1820	Same as 0-1704	Lubricates 0-1817											
0-1821	ARM: steel, nickel pl; both ends rounded, hub welded to small end; approx 3-9/16" lg x 1-3/8" wd x 5/32" h o/a, 0.065" thk material; mts by large body hole in large end	Drives 0-2052 by H-2055 N5815-370-1709	N17-T 350015- 0580	СТТ	152717	152717	0-1821		1	0	0		
1	CAM: super oilite; approx 1-1/8" OD x 9/16" ID x 0.064" thk o/a; mts by off-ctr ID w/2 elongated slots; circle scribed on one side; small body hole near circum	Drives 0-1821 N5815-370-0273	N17-T 350013- 0821	СТТ	150052	150052	0-1822		1	1	1		
0-1823	SPACER, clutch: phosphor bronze; approx 1-1/4" OD x 9/16" ID x 0.025" thk o/a; mts by off-ctr ID w/2 cutouts; circle scribed on one side, small hole near circum	Retains 0-1821 on 0-1822 N5815-370-0271	N17-T 350013- 0819	СТТ	150049	150049	0-1823		2	0	0		
										_	_	_	

TABLE 8-4.	COMBINED	PARTS	AND	SPARE	PARTS	LIST	

		PARTS								SF	PARE	PA	RTS
YMBOL DESIG.	NAME OF PART AND DESCRIPTION	FUNCTION AND FEDERAL STOCK NUMBER	JAN OR NAVY TYPE DESIGNATION	STANDARD NAVY STOCK NUMBER		NUFAC- IRERS DESIG.	TELETYPE PART NO.	ALL SYMBOL DESIGNATIONS INVOLVED	TOTAL NO.	EQ XO8	ONAN.	ST(OCK
	SPACER: aluminum, plain anodize; approx 31/32" OD x 9/16" ID x 0. 040" thk o/a; mts by ID; 2 elongated cutouts in ID	Spaces 0-1823 and 0-1825 N5815-370-0675		N17-T 350014- 0339		150931	150931	0-1824	1	0	0		
	RING, retainer: steel, nickel pl; ID dished out by 3 different diams; approx 1" OD x 1/2" ID x 1/8" thk o/a; mts by ID; 2 small body holes	Retains 0-1826 in slot of 0-1835 ·N5815-370-0891		N17-T 350014- 0559	СТТ	150831	150831	0-1825, 0-1846, 0-1864	3	0	0		
	KEY: steel, nickel pl; "C" shape, small hotch in back; approx 3/4" lg x 5/16" wd x 0.031" thk o/a; mts by body	Fetains 0-1827 on 0-1835 N5815-370-0646		N17-T 350014- 0298	СТТ	150832	150832	0-1826, 0-1847, 0-1865	6	0	0		
	DISK: steel, nickel pl; irregular circular shape; approx 1-7/8" lg x 1-11/16" h x 5/8" wd o/a, 0.065" thk material; mts by elongaed hole in approx ctr; 4 cutouts and 2 formed ears on edge, 5 irregular shaped holes, 2 elongated slots and 2 tapped holes in disk, 2 spring posts and one pin riveted to disk	Drives 0-1822 and 0-1835 N5815-370-0941		N17-T 350014- 0609	CTT	150032	150032	0-1827	1	1	1		
	DISK: steel, nickel pl; irregular circular shape; approx 1-7/16" lg x 1-3/32" wd x 5/16" h o/a, 0.058" thk material; mts by two #4-40 holes; 3 cutouts and formed ear in ctr cutout, rounded mtg ear and cutout in outer edge	Drives 0-1827 N5815-370-0938		N17-T 350014- 0606	СТТ	150014	150014	0-1828, 0-1849, 0-1867	3	1	1		
-1829	BEARING, sleeve: SS; approx 1/8" lg x 3/4" OD x 5/8" ID o/a, shoulder 1/16" lg x 11/16" diam, slot across face	Sleeve bearing for 0-1828 and 0-1830 N5815-370-0703		N17-T 350014- 0369	СТТ	150841	150841	0-1829, 0-1850, 0-1868	3	0	0		
-1830	DISK: steel, nickel pl; approx 1-13/16" lg x 15/16" h x 3/16" wd o/a, 0.035" thk material; mts by body hole in ctr; 2 arms formed at ends w/curved ear on ea, rectangular shaped cutout in irregular shaped arm	Operates 0-1834 N5815-370-0943		N17-T 350014- 0611	СТТ	150034	150034	0-1830	1	1	1		
- 1831	SPRING: helical extension type; 0.016" diam music wire; approx 9/16" lg x 1/8" OD o/a; approx 22 turns; hook terms, indexed 90°; mts by terms	Applies tension to 0-1830 N5815-370-1199		N17-T 350014- 0927	СТТ	151736	151736	0-1831, 0-1852, 0-1870	6	0	0		
-1832	Same as 0-341	Lubricates function clutch mechanism											
- 1833	BUSHING: SS; male and female; 7/8" OD x 5/8" ID x 3/32" thk	Bearing for and retains 0-1834 in position on 0-1835 N5815-370-0890		N17-T 350014- 0558	СТТ	150830	150830	0-1833, 0-1853, 0-1871	3	0	0		

	LEVER: steel, nickel pl; irregular "C" shape approx 1-7/16" lg x 1" h x 9/32" wd o/a, 0.042" thk material; mts by "U" formed end; formed ear near one end, body hole near "U" formed end	Engages and disengages 0-1836 and 0-1837 N5815-370-1058		N17-T 350014- 0747	СТТ	150027	. 150027	0-1834, 0-1872	0-1854,	3	1	1	
0-1835	BEARING, sleeve: super oilite; approx 7/8" lg x 7/16" ID x 7/8" OD o/a, two straight cutouts, second flange cutout on one side only, three grooves around shank	Sleeve bearing for function clutch N5815-370-0268	÷	N17-T 350013- 0816	СТТ	150045	150045	0-1835, 0-1874	0-1856,	3	1	1	
0-1836	Same as 0-343	Drives 0-1828 when in engaged position											
0-1837	Same as 0-342	Permits 0-1836 to drive 0-1828 when in engaged position											
0-1838	Same as 0-344	Applies tension to 0-1836 and 0-1837											
0-1839	Same as 0-1816	Drives 0-1836 and 0-1837 when they are engaged											
	GEAR: spur; natural color bakelite; helical teeth; LH; 21 teeth; 24 pitch, 1.57" PD; 1-21/32" OD x 7/16" ID x 1/2" thk o/a; straight face; mts by ctr hole and 3 equidistant ctb holes around ID; "150441" stamped in face	Drives 0-336 N5815-370-1016		N17-T 350014- 0684	СТТ	150441	150441	0-1840		1	0	0	
	HUB: aluminum, plain anodize finish; approx 1-1/8" OD x 7/16" ID x 1/2" wd o/a; mts by 3 tapped holes; body hole in circum	Spaces 0-1840 and 0-1842 and mounts them to 0-1791 N5815-370-1015		N17-T 350014- 0683	СТТ	150440	150440	0-1841		1	0	0	
-	GEAR: spur; natural color bakelite; helical teeth; LH; 60 teeth; 26 pitch, 2. 40" PD; approx 2-15/32" OD x 7/16" ID x 5/16" thk o/a; straight face; mts by ID and 3 equidistant holes around ID; "150439" stamped in face	Drives 0-1791 N5815-370-1014	·	N17-T 350014- 0682	СТТ	150439	150439	0-1842		1	0	0	
1	COLLAR: steel, nickel pl; short shank ea end; approx 5/8" OD x 7/16" ID x 11/32" lg; mts by ID; flat cutout on one side w/hole	Retains spacing clutch in position N5815-370-0556		N17-T 350014- 0207	СТТ	150549	150549	0-1843		1	0	0	
	GEAR: spur; natural color bakelite; helical teeth; RH; 27 teeth; 22 pitch, 1.98" PD; approx 2-3/32" OD x 9/16" ID x 3/16" thk o/a; ctb face; mts by ID w/2 elongated slots; "150091" stamped in face	Drives 0-1669 N5815-370-0464		N17-T 350014- 0115	СТТ	150091	150091	0-1844		1	0	0	
	CAM: black bakelite; three equidistant rises; approx 1-7/16" OD x 9/16" ID x 1/8" thk o/a; mts by ID; circle scribed on one side below a rise; two elongated notches in ID	Drives 0-2113 N5815-370-0264		N17-T 350013- 0811	СТТ	150003	150003	0-1845		1	0	0	
		· · · · · · · · · · · · · · · · · · ·											

	PARTS												RTS
SYMBOL DESIG.	NAME OF PART AND	FUNCTION AND	JAN OR NAVY TYPE	STANDARD NAVY STOCK	TL	NUFAC- RERS	TELETYPE PART NO.	ALL SYMBOL DESIGNATIONS	TOTAL NO.	EC	DUIP.	+-	OCK
	DESCRIPTION	FEDERAL STOCK NUMBER	DESIGNATION	NUMBER	CODE	DESIG.		INVOLVED	5 #	Š	OCAN.	ğ	OUAN.
-1846	Same as 0-1825	Retains 0-1847 in slot of 0-1856											
-1847	Same as 0-1826	Retains 0-1848 on 0-1856											
	DISK: steel, nickel pl; irregular circular shape; approx 1-13/16" largest diam x 5/16" wd o/a; 0.065" thk material; mts by elongated hole in approx ctr; six cutouts and three formed ears on circum, five irregular shaped holes, two elongated slots and two tapped holes in disk, two spring posts riveted to disk	Drives 0-1844, 0-1845 and 0-1856 N5815-370-0942		N17-T 350014- 0610	СТТ	150033	150033	0-1848, 0-1866	2	1	1		
0-1849	Same as 0-1828	Drives 0-1848											
)-1850	Same as 0-1829	Sleeve bearing for 0-1849 and 0-1851									l		
	DISK: steel, nickel pl; approx 1-3/4" lg x 1-5/8" h x 3/16" wd o/a, 0.035" thk material; mts by body hole in ctr; four arms three formed at end, two w/curved ear and one w/cutout at end	Operates 0-1854 N5815-370-0944		N17-T 350014- 0612	СТТ	150035	150035	0-1851, 0-1869	2	1	1		
0-1852	Same as 0-1831	Applies tension to 0-1851											
)-1853	Same as 0-1833	Bearing for and retains 0-1854 in position on 0-1856											
)-1854	Same as 0-1834	Engages and disengages 0-1857 and 0-1858											
0-1855	Same as 0-341	Lubricates spacing clutch mechanism											
)-1856	Same as 0-1835	Sleeve bearing for spacing clutch											
-1857	Same as 0-343	Drives 0-1849 when in engaged position											
)-1858	Same as 0-342	Permits 0-1857 to drive 0-1849 when in engaged position											
-1859	Same as 0-344	Applies tension to 0-1857 and 0-1858											

0-1860	Same as 0-1816	Drives 0-1857 and 0-1858 when they are engaged										-	İ
	BEARING, sleeve: steel, nickel pl; male bushing mtd in ID of bearing; approx 1-1/8" OD x 5/8" wd x 7/16" ID o/a; hole through shank, ctb one side, threaded other side, elongated slot through shank	Left side frame bearing for 0-1791 N5815-370-0516		N17-T 350014- 0167	СТТ	150970	150970	0-1861	1	0	0		
	GEAR: spur; natural color bakelite; straight teeth; 42 teeth; 24 pitch, 1.75" PD; approx 1-27/32" OD x 9/16" ID x 3/16" thk o/a; ctb face; mts by ID w/2 elongated slots; "150665" stamped in face	Drives 0-2049 N5815-370-0383		N17-T 350013- 0933	СТТ	150665	150665	0-1862	1	0	0		
	SPACER: steel, nickel pl; approx 1" OD x 9/16" ID x 0.095" thk o/a; mts by ID; 2 slots on ID	Spaces 0-1862 and 0-1864 N5815-370-0989		N17-T 350014- 0657	СТТ	150391	150391	0-1863	1	0	0	,	
0-1864	Same as 0-1825	Retains 0-1865 in slot of 0-1874											İ
0-1865	Same as 0-1826	Retains 0-1866 on 0-1874											
0-1866	Same as 0-1848	Drives 0-1862 and 0-1874											
0-1867	Same as 0-1828	Drives 0-1866											
0-1868	Same as 0-1829	Sleeve bearing for 0-1867 and 0-1869											
0-1869	Same as 0-1851	Operates 0-1872											
0-1870	Same as 0-1831	Applies tension to 0-1869											
0-1871	Same as 0-1833	Bearing for and retains 0-1872 in position on 0-1874											
0-1872	Same as 0-1834	Engages and disengages 0-1875 and 0-1876	٠										
0-1873	Same as 0-341	Lubricates line feed clutch mechanism											
)-1874	Same as 0-1835	Sleeve bearing for line feed clutch		V									
0-1875	Same as 0-343	Drives 0-1867 when in engaged position										,	
0-1876	Same as 0-342	Permits 0-1875 to drive 0-1867 when in engaged position											
0-1877	Same as 0-344	Applies tension to 0-1875 and 0-1876											
0-1878	Same as 0-1816	Drives 0-1875 and 0-1876 when they are engaged							ŀ				ı

TABLE 8-4.	COMBINED	PARTS	AND	SPARE	PARTS	LIST

		PARTS		•						SI	PARE	E PA	RTS
SYMBOL DESIG.	NAME OF PART AND DESCRIPTION	FUNCTION AND FEDERAL STOCK NUMBER	JAN OR NAVY TYPE DESIGNATION	STANDARD NAVY STOCK NUMBER		NUFAC- IRERS DESIG.	TELETYPE PART NO.	ALL SYMBOL DESIGNATIONS INVOLVED	TOTAL NO.	EQ XO	UIP.	ST XO	OCK
	LINK: steel, nickel pl; irregular shape w/rounded ends; approx 2-3/8" lg x 13/16" h x 1/2" wd o/a, 0.065" thk material; mts by ID of hub welded to large end; stud butt welded through small end	Drives A-1376 by H-1885 N5815-370-0416		N17-T 350013- 0966		150244	150244	0-1879		1	1		8
0-1880	Same as 0-1319	Lubricates H-1885 and 0-1879											
0-1881	BEARING, sleeve: super oilite; approx 1" lg x 1" OD x 3/8" ID o/a, 2 grooves and 2 cutouts on one end, partial groove on other end, offset mtg hole, 3 body holes, one tapped hole	Sleeve bearing for type box clutch and drives 0-1879 N5815-370-0269		N17-T 350013- 0817	стт	150046	150046	0-1881	1	1	1		
0-1882	PLATE, retainer: steel, nickel pl; triangular shape w/rounded corners; approx 5/8" lg x 5/16" wd x 0.030" thk o/a; mts by single body hole	Retains one end of 0-1879 in 0-1881 N5815-369-9164		N17-T 350004- 0785	СТТ	150010	150010	0-1882	1	1	1		
0-1883	Same as 0-337	Drives 0-1881											
0-1884	Same as 0-338	Drives 0-1883											
)-1885	Same as 0-340	Applies tension to 0-1886						a a					
)-1886	Same as 0-339	Engages and disengages 0-1888 and 0-1889											
0-1887	Same as 0-341	Lubricates type box clutch mechanism											
0-1888	Same as 0-343	Drives 0-1884 when in engaged position											
0-1889	Same as 0-342	Permits 0-1888 to drive 0-1884 when in engaged position											
0-1890	Same as 0-344	Applies tension to 0-1888 and 0-1889											
0-1891	Same as 0-1816	Drives 0-1888 and 0-1889 when they are engaged											
0-1902	WICK: lubricating wick; hard white felt, w/o spring; 1/2" lg x 3/32" diam o/a	Lubricates 0-1903 N5815-125-5820		N17-T 350001- 0801	СТТ	74553	74553	0-1902	1	0	0		

0-1903	Same as 0-1113	Applies tension to arm of A-1369											
l	GUIDE, ribbon: nickel silver; irregular shape, folded arm ea end, ctr "U" formed w/cutout and formed ear; approx 2-17/32" lg x 1-1/4" h x 13/32" wd o/a, 0.020" thk material; mts by 2 holes on 1-1/8" mtg/c	Guide for ribbon from 0-1393 (If so equipped. See 0-1907) N5815-313-5963	··	N17-T 350017- 0684	СТТ	153810	153810	0-1904	•	1	1	1	
}	LINK, lever: steel, nickel pl; both ends rounded, irregularly curved near one end, stud riveted at ea end; approx 2-5/32" lg x 7/16" h x 23/32" wd o/a, 0.050" thk material; mts by studs	Horizontally positions 0-1943 by 0-1370 N5815-370-1741		N17-T 350015- 0613	СТТ	152503	152503	0-1905		1	0	0	
-	GUIDE, ribbon: nickel silver; irregular shape, folded arm ea end, body "U" formed w/2 cutouts in bottom and one in ctr w/formed ear; approx 2-17/32" lg x 1-1/4" h x 3/8" wd o/a, 0.020" thk material; mts by body hole near ea bottom cutout	Guide for ribbon from 0-1393 (If so equipped. See 0-1904) N5815-370-1410	·	N17-T 350015- 0262	СТТ	152501	152501	0-1907		1	0	0.	
	CONE, bearing: chrome vanadium steel; approx 1/4" OD x 1/8" ID x 1/16" thk o/a; mts by ID; OD tapered on one side	Retains 0-1910 in 0-1909 N5815-370-0473		N17-T 350014- 0124	CTT	150073	150073	0-1908, 0-1917	0-1913,	4	1	2	
	ROLLER: steel; approx 1/8" wd x 15/32" OD x 1/4" ID o/a; mts by ID; "V" shaped slot on ID, rectangular slot on OD	Upper roller guides for A-1369 or A-1370 and re- tains A-1369 or A-1370 on A-1371 N5815-370-0471		N17-T 350014- 0122	СТТ	150076	150076	0-1909,	0-1914	3	1	1	
	BALL, bearing: steel; spherical; approx 1/16" diam o/a	Bearing balls for 0-1909 N5815-472-4894		N17-T 350005- 0401	СТТ	3637	3637	0-1910,	0-1915	36	1	6	
	SHIM: steel; approx 3/16" OD x 1/8" ID x 0.002" thk o/a; mts by ID	Spaces 0-1908 and 0-1912 N5815-370-0985		N17-T 350014- 0653	СТТ	150381	150381	0-1911,	0-1916	12	1	3	
	CONE, bearing: chrome vanadium steel; approx 1/4" OD x 1/8" ID x 1/8" wd o/a; mts by ID; OD tapered on one side	Retains 0-1910 in 0-1909 N5815-370-0474		N17-T 350014- 0125	СТТ	150072	150072	0-1912		2	1	1	
0-1913	Same as 0-1908	Retains 0-1915 in 0-1914									ļ		
0-1914	Same as 0-1909	Lower roller guide for A-1369 or A-1370 and retains A-1369 or A-1370 on A-1371											
0-1915	Same as 0-1910	Bearing balls for 0-1914											
0-1916	Same as 0-1911	Spaces 0-1913 and 0-1917											
0-1917	Same as 0-1908	Retains 0-1915 in 0-1914											
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		PARTS									PARE	PA	RT
YMBOL	NAME OF PART	FUNCTION	JAN OR	STANDARD NAVY		NUFAC- IRERS	TELETYPE	ALL SYMBOL	Š ₹	EQ	UIP.	ST	OCK
DESIG.	AND DESCRIPTION	AND FEDERAL STOCK NUMBER	NAVY TYPE DESIGNATION	STOCK NUMBER	GODE	DESIG.	PART NO.	DESIGNATIONS INVOLVED	TOTAL NO. PER EQUIP.	ğ	QUAN.	BOX	1
-1918	LEVER: steel; irregular shape, c√o arm w/formed ear and body ear, lever w/fin on end, link w/ear on end and middle, all parts riveted together, hub welded to link; approx 4-1/2" lg x 1-1/4" h x 1-1/16" wd o/a; mts by two elongated slots in arm, one slot open at one end; PH mtg. two tapped holes in formed ear, one csk hole in ear at end of link	Positions A-1371 N5815-370-0993		N17-T 350014- 0661	СТІ	150397	150397	0-1918	1	1	1		
1919	BLOCK, guide: steel; approx 7/32" sq x 3/32" thk o/a; mts by hole through ctr	Bearing guide for 0-1918 N5815-370-0986		N17-T 350014- 0654	СТТ	150382	150382	0-1919, 0-1999	2	0	0		
- 1920	SPACER: steel, nickel pl; approx 1/4" lg x 5/16" OD x 1/8" ID o/a; mts by ID	Spaces 0-1918 and A-1389 N5815-370-0988		N17-T 350014- 0656	СТТ	150384	150384	0-1920	1	0	0		
-1921	Same as 0-1395	Lubricates 0-1918 and 0-1919											
- 1922	BLOCK, guide: iron; approx 23/32" lg x 7/32" wd x 1/8" thk o/a; mts by body hole near ea end	Bearing guide for 0-1918 N5815-370-0194		N17-T 350013- 0739	СТТ	151604	151604	0-1922, 0-2000	2	0	0		
	PLATE, retainer: steel, nickel pl; approx 1-7/32" lg x 15/32" wd x 0.035" thk o/a; mts by slot and hole	Retains 0-1918 on 0-1922 N5815-370-0351		N17-T 350013- 0899	СТТ	151602	151602	0-1923, 0-2001	2	0	0		
1924	Same as 0-1488	Spaces 0-1918 and A-1389											
- 1925	Same as 0-1395	Lubricates 0-1918 and 0-1922											
	SPRING: helical extension type; 0. 026" diam music wire; approx 5/8" lg x 7/32" OD x 3/16" ID o/a; 11 turns; hook term ea end, indexed 90 ⁰ ; mts by terms	Applies tension to 0-1918 N5340-302-6340		N17-S 46712- 8201	СТТ	151644	151644	0-1926, 0-2004	2	1	1		
- 1927	Same as 0-1568	Lubricates 0-1926											
	LEVER: steel, nickel pl; irregular shape w/"C" shaped ctr, curved formed ear back of "C", three hubs and stud welded to body; approx 4-3/16" lg x 1-1/16" h x 5/16" wd o/a, 0.042" thk material; mts by ID of hub near elongated hole; elongated hole one end and two body holes (ID of hubs) in other half of body, RH mtg	Operates 0-1918, 0-1929 and 0-1931 and allows 0-1937 to position 0-1935 N5815-370-1004		N17-T 350014- 0672	СТТ	150420	150420	0-1928	1	0	0		

	LINK: steel, nickel pl; bent rear ctr w/rounded ends; approx 3-13/32" lg x 9/16" h x 5/32" wd o/a, 0.042" thk material; mts by body hole at ea end	Drives A-1318 N5815-370-0982	N17-T 350014- 0650		150387	150387	0-1929		1	0	0	
0-1930	Same as 0-214	Lubricates 0-1928 and 0-1929										
0-1931	ARM: steel, nickel pl; formed ear at mtg end, irregular shaped slot at bent end; approx 2-13/32" lg x 23/32" h x 3/16" wd o/a, 0.042" thk material; mts by body hole, RH mtg	Operates 0-2016 N5815-370-1730	N17-T 350015- 0601	СТТ	152542	152542	0-1931		1	0	0	
	BUSHING: steel, nickel pl; male and female; approx 5/16" OD x 1/8" ID x 3/32" lg o/a, 7/32" diam body	Pivot for 0-1931 N5815-370-0865	N17-T 350014- 0533	СТТ	150390	150390	0-1932,	0-2010	2	0	0	
	LINK: steel, nickel pl; rounded ends body curved near ctr, stud welded to one end, hub welded to other end; approx 2-1/16" lg x 3/4" h x 1/4" wd o/a, 0.042" thk material; mts by ID of hub; LH mtg	Operates 0-1928 N5815-370-0977	N17-T 350014- 0645	СТТ	150370	150370	0-1933		1	0	0	
0-1934	WASHER, felt: hard white felt; round, 7/16" OD x 9/32" ID x 1/16" thk o/a	Lubricates H-1952 and 0-1928		CTI	115122	115122	0-1934,	0-2008	2	0	0	
0-1935	LEVER: steel, nickel pl; irregular shape, four "V" shaped notches on bent side; rounded ear on other side near rounded end; approx 1-7/8" lg x 1" h x 0.065" thk o/a; mtg slot in rounded end and hole in rounded ear	Stops 0-1918 in one of four vertical positions N5815-370-1065	N17-T 350014- 0673	СТІ	150425	150425	0-1935,	0-2015	2	0	0	
0-193€	WASHER, flat: steel, nickel pl; round, approx 5/16" OD x 1/8" ID x 0.058" thk o/a	Spaces 0-1935 and 0-1937 N5815-370-0999	N17-T 350014- 0667	СТІ	150411	150411	0-1936		2	0	0	
	ARM: steel, nickel pl; irregular shape w/two rounded and one "L" shaped projections; approx 1-5/8" lg x 1-1/2" h x 1/2" wd o/a; 0.065" thk material; mts by ID of hub welded to a rounded projection; one body and two tapped holes irregularly placed, RH mtg	Mounts and pivots 0-1935 N5815-370-1001	N17-T 350014- 0669	СТТ	150413	150413	0-1937		1	0	0	
	STUD: steel, nickel pl; approx 9/16" lg x 1/4" across flats o/a; #6-40 thd through ID	Pivot for 0-1937 N5815-370-0376	N17-T 350013- 0926	CTI	150811	150811	0-1938		1	0	0	
	SPRING: helical extension type; 0.016" diam music wire; approx 15/16" lg x 5/32" OD o/a; approx 39 turns; hook terms, indexed 90°; mts by terms	Applies tension to 0-1937 N5815-448-3948	N17-T 350006- 0485	CTI	76379	76379	0-1939,	0-2014	2	0	0	
0-194(Same as 0-1395	Lubricates 0-1937 and 0-1938										

		PARTS								SI	PARE	PA	RT
SYMBOL DESIG.	NAME OF PART AND DESCRIPTION	FUNCTION AND FEDERAL STOCK NUMBER	JAN OR NAVY TYPE DESIGNATION	STANDARD NAVY STOCK NUMBER		DESIG.	TELETYPE PART NO.	ALL SYMBOL DESIGNATIONS INVOLVED	TOTAL NO.		UIP.	STO	ļ
0-1941	BLOCK, bearing: steel, nickel pl; squared one end, round on other w/roller bearing press fitted near end; approx 7/8" lg x 3/4" h x 3/8" wd o/a; mts by two tapped holes in block	Right side frame bearing for 0-2017 N5815-370-0655		N17-T 350014- 0319		150891	150891	0-1941	1	0			
0-1942	Same as 0-1319	Lubricates 0-1941 and 0-2017											
0-1943	PALLET SET, type: c/o 64 pallets, 64 springs, front plate, rear plate, cover, 2 screws, 2 lock washers, 2 flat washers, stud and shoulder mtg; approx 3-7/16" lg x 1" h x 3/4" wd o/a dimen of assembled set; "RN" stamped in head of one screw for identification of pallet arrangement	Prints copy N5815-370-1750		N17-T 350015- 0622	СТТ	151938	151938	0-1943	1	0	0		
0-1944	SPRING: torsion type; 0. 008" diam music wire; approx 3/8" ig x 5/32" h x 3/32" wd o/a; 9 turns; PH or LH spiral permissible; mts by straight term one end	Retracts type pallets N5815-370-1190		N17-T 350014- 0913	СТТ	150077	150077	0-1944	64	1	25		
	PALLET, type: dummy pallet; steel, nickel pl; approx 15/32" lg x 3/16" h x 3/32" wd o/a; mts by shaft w/1/32" wd x 1/16" ig spring mtg hole	Protects empty spaces in A-1374 from 0-1303 N5815-370-1125		N17-T 350014- 0847	СТТ	150973	150973	0-1945	14	0	0		
	PALLET, type: character (A); steel, nickel pl; Murray style type; approx 5/8" lg x 3/32" wd x 3/16" h o/a; mts by shaft w/spring mtg hole near shoulder; curved type on 7/8" rad	Prints impression of character "A" N5815-370-0274		N17-T 350013- 0822	СТТ	150100	150100	0-1946	1	0	0		
0-1947	Same as 0-1946 except for character (B)	Prints impression of character "B" N5815-370-0275		N17-T 350013- 0823	СТТ	150101	150101	0-1947	1	0	0		
0-1948	Same as 0-1946 except for character (C)	Prints impression of character "C" N5815-370-0276		N17-T 350013- 0824	СТТ	150102	150102	0-1948	1	0	0		
0-1949	Same as 0-1946 except for character (D)	Prints impression of , character "D" N5815-370-0277		N17-T 350013- 0825	стт	150103	150103	0-1949	1	0	0		
0-1950	Same as 0-1946 except for character (E)	Prints impression of character "E" N5815-370-0310		N17-T 350013- 0858	СТТ	150104	150104	0-1950	1	0	0		

0-1951 Same as 0-1946 except for character (F)	Prints impression of character "F" N5815-370-0311	N17- 3500 0859	13-	150105	150105	0-1951	1	0	0	
0-1952 Same as 0-1946 except for character (G)	Prints impression of character "G" N5815-370-0312	N17- 3500 0860	13-	150106	150106	0-1952	1	0	0	
0-1953 Same as 0-1946 except for character (H)	Prints impression of character "H" N5815-370-0313	N17 - 3500 0861	13-	150107	150107	0-1953	1	0	0	
0-1954 Same as 0-1946 except for character (I)	Prints impression of character "I" N5815-370-0314	N17- 3500 0862	13-	150108	150108	0-1954	1	0	0	
0-1955 Same as 0-1946 except for character (J)	Prints impression of character "J" N5815-370-0315	N17- 3500 0863	13-	150109	150109	0-1955	1	0	0	
0-1956 Same as 0-1946 except for character (K)	Prints impression of character ''K'' N5815-370-0316	N17- 3500 0864	13-	150110	150110	0-1956	1	0	0	
0-1957 Same as 0-1946 except for character (L)	Prints impression of character "L" N5815-370-0317	N17- 3500 0865	13-	150111	150111	0-1957	1	0	0	
0-1958 Same as 0-1946 except for character (M)	Prints impression of character ''M'' N5815-370-0318	N17- 3500 0866	13-	150112	150112	0-1958	1	0	0	
0-1959 Same as 0-1946 except for character (N)	Prints impression of character "N" N5815-370-0319	N17- 3500 0867	13-	150113	150113	0-1959	1	0	0	
0-1960 Same as 0-1946 except for character (O)	Prints impression of character "O" N5815-370-0320	N17- 3500 0868	13-	150114	150114	0-1960	1	0	0	
0-1961 Same as 0-1946 except for character (P)	Prints impression of character "P" N5815-370-0321	N17- 3500 0869	13-	150115	150115	0-1961	1	0	0	
0-1962 Same as 0-1946 except for character (Q)	Prints impression of character "Q" N5815-370-0322	N17- 3500 0870	13-	150116	150116	0-1962	1	0	0	
0-1963 Same as 0-1946 except for character (R)	Prints impression of character ''R'' N5815-370-0323	N17- 3500 0871	13-	150117	150117	0-1963	1	0	0	
0-1964 Same as 0-1946 except for character (S)	Prints impression of character "S" N5815-370-0324	N17- 3500 0872	13-	150118	150118	0-1964	1	0	0	
0-1965 Same as 0-1946 except for character (T)	Prints impression of character "T" N5815-370-0325	N17- 3500 0873		150119	150119	0-1965	1	0	0	

		PARTS								SF	ARE	PA	RTS
SYMBOL DESIG.	NAME OF PART AND DESCRIPTION	FUNCTION AND	JAN OR NAVY TYPE DESIGNATION	STANDARD NAVY STOCK		NUFAC- IRERS DESIG.	TELETYPE PART NO.	ALL SYMBOL DESIGNATIONS INVOLVED	TOTAL NO.		OLAN.	STO	OCK NA U
		FEDERAL STOCK NUMBER		NUMBER	<u> </u>				_ <u> 2 #</u>	<u> </u>	<u>8</u> _	×os	<u>8</u>
)-1966	Same as 0-1946 except for character (U)	Prints impression of character "U" N5815-370-0278		N17-T 350013- 0826	СТТ	150120	150120	0-1966	1	0	0		
)-1967	Same as 0-1946 except for character (V)	Prints impression of character "V" N5815-370-0279		N17-T 350013- 0827	СТТ	150121	150121	0-1967	1	0	0		
- 1968	Same as 0-1946 except for character (W)	Prints impression of character "W" N5815-370-0280		N17-T 350013- 0828	СТТ	150122	150122	0-1968	1	0	0		
-1969	Same as 0-1946 except for character (X)	Prints impression of character "X" N5815-370-0281		N17-T 350013- 0829	СТТ	150123	150123	0-1969	1	0	0		
- 1970	Same as 0-1946 except for character (Y)	Prints impression of character "Y" N5815-370-0282		N17-T 350013- 0830	СТТ	150124	150124	0-1970	1	0	0		
-1971	Same as 0-1946 except for character (Z)	Prints impression of character "Z" N5815-370-0283		N17-T 350013- 0831	СТТ	150125	150125	0-1971	1	0	0		
-1972	Same as 0-1946 except for character (1)	Prints impression of character "1" N5815-370-0284		N17-T 350013- 0832	СТТ	150126	150126	0-1972	1	0	0		
- 1973	Same as 0-1946 except for character (2)	Prints impression of character "2" N5815-370-0285	·	N17-T 350013- 0833	СТТ	150127	150127	0-1973	1	0	0		
-1974	Same as 0-1946 except for character (3)	Prints impression of character "3" N5815-370-0286		N17-T 350013- 0834	СТТ	150128	150128	0-1974	1	0	0		
-1975	Same as 0-1946 except for character (4)	Prints impression of character "4" N5815-370-0287		N17-T 350013- 0835	СТТ	150129	150129	0-1975	1	0	0		
- 1976	Same as 0-1946 except for character (5)	Prints impression of character "5" N5815-370-0288		N17-T 350013- 0836	СТТ	150130	150130	0-1976	1	0	0		
-1977	same as 0-1946 except for character (6)	Prints impression of character "6" N5815-370-0289		N17-T 350013- 0837	СТТ	150131	150131	0-1977	1	0	0		

0-1978 Same as 0-1946 except for character (7)	Prints impression of character "7" N5815-370-0290	N17-T 350013- 0838	СТТ	150132	150132	0-1978	1	0	0	
0-1979 Same as 0-1946 except for character (8)	Prints impression of character "8" N5815-370-0291	N17-T 350013- 0839	СТТ	150133	150133	0-1979	1	0	0	
0-1980 Same as 0-1946 except for character (9)	Prints impression of character "9" N5815-370-0292	N17-T 350013- 0840	СТТ	150134	150134	0-1980	1	0	0	
3-1981 Same as 0-1946 except for character (.)	Prints impression of character "." N5815-370-0293	N17-T 350013- 0841	СТТ	150135	150135	0-1981	1	0	0	
-1982 Same as 0-1946 except for character (,)	Prints impression of character "," N5815-370-0294	N17-T 350013- 0842	СТТ	150136	150136	0-1982	1	0	0	
-1983 Same as 0-1946 except for character ('')	Prints impression of character " " " N5815-370-0295	N17-T 350013- 0843	СТТ	150137	150137	0-1983	1	0	0	
-1984 Same as 0-1946 except for character (()	Prints impression of character "(" N5815-370-0296	N17-T 350013- 0844	СТТ	150138	150138	0-1984	1	0	0	
-1985 Same as 0-1946 except for character (?)	Prints impression of character "?" N5815-370-0297	N17-T 350013- 0845	СТТ	150139	150139	0-1985	1	0	0	
-1986 Same as 0-1946 except for character (Ø)	Prints impression of character "Ø" N5815-370-0298	N17-T 350013- 0846	СТТ	150140	150140	0-1986	1	0	0	
-1987 Same as 0-1946 except for character ())	Prints impression of character ")" N5815-370-0299	N17-T 350013- 0847	СТТ	150141	150141	0-1987	1	0	0	
-1988 Same as 0-1946 except for character (-)	Prints impression of character "-" N5815-370-0301	N17-T 350013- 0849	СТТ	150143	150143	0-1988	1	0	0	
-1989 Same as 0-1946 except for character (\$)	Prints impression of character "\$" N5815-370-0302	N17-T 350013- 0850	СТТ	150144	150144	0-1989	1	0	0	
-1990 Same as 0-1946 except for character (:)	Prints impression of character ":" N5815-370-0303	N17-T 350013- 0851	СТТ	150145	150145	0-1990	1	0	0	
-1991 Same as 0-1946 except for character (!)	Prints impression of character"!" N5815-370-0304	N17-T 350013- 0852	СТТ	150146	150146	0-1991	1	0	0	

8 Section O-1992—O-2005

		PARTS				:			_,		PARE	PA	RTS
SYMBOL	NAME OF PART	FUNCTION	JAN OR	STANDARD NAVY	TL	NUFAC- JRERS	TELETYPE	ALL SYMBOL	Š	EQ	UIP.	STO	OCK
DESIG.	AND DESCRIPTION	AND FEDERAL STOCK NUMBER	NAVY TYPE DESIGNATION	STOCK NUMBER	CODE	DESIG.	PART NO.	DESIGNATIONS INVOLVED	TOTAL NO.	× S	OUAN.	BOX	
0-1992	Same as 0-1946 except for character (&)	Prints impression of character "&" N5815-370-0305		N17-T 350013- 0853	стт	150147	150147	0-1992	1	0	0		
0-1993	Same as 0-1946 except for character (;)	Prints impression of character ";" N5815-370-0306		N17-T 350013- 0854	СТТ	150148	150148	0-1993	1	0	0		
0-1994	Same as 0-1946 except for chatacter (/)	Prints impression of character "/" N5815-370-0307		N17-T 350013- 0855	СТТ	150149	150149	0-1994	1	0	0		
0-1995	Same as 0-1946 except for character (')	Prints impression of character "' " N5815-370-0308		N17-T 350013- 0856	СТТ	150150	150150	0-1995	1	0	0		
0-1997	Same as 0-1817	Left side frame bearing for 0-2017											
	LEVER: steel; irregular shape, c/o arm w/formed ear and body ear, lever w/fin on end and link w/ear on end & middle, all parts riveted together, hub welded to link; approx 4-1/2" Ig x 1-1/4" h x 1-1/16" wd o/a; mts by two elongated slots in arm, one slot open at one end; LH mtg, two tapped holes in formed ear, one csk hole in ear at end of link	Positions A-1371 N5815-370-0992		N17-T 350014- 0660	СТТ	150396	150396	0-1998	1	1	1		
0-1999	Same as 0-1919	Bearing guide for 0-1998					<u>.</u>						
0-2000	Same as 0-1922	Bearing guide for 0-1998			-								
0-2001	Same as 0-1923	Retains 0-1998 on 0-2000					4.						
0-2002	SPACER: steel, nickel pl; approx 5/32" lg x 5/16" OD x 1/8" ID o/a; mts by ID	Spaces 0-1998 and A-1391 N5815-370-0987		N17-T 350014- 0655	СТТ	150383	150383	0-2002	3	0	0		
0-2003	Same as 0-1395	Lubricates 0-1998, 0-1999 and 0-2000											
0-2004	Same as 0-1926	Applies tension to 0-1998											
0-2005	Same as 0-1568	Lubricates 0-2004											

TABLE 8-4. COMBINED PARTS AND SPARE PARTS LIST

	LINK: steel, nickel pl; rounded ends, body curved near ctr, stud welded to one end, hub welded to other end; approx 2-1/16" lg x 3/4" h x 1/4" wd o/a, 0.042" thk material; mts by ID of hub; PH mtg	Operates 0-2007 N5815-370-0976	N17-T 350014- 0644	CTT	150369	150369	0-2006	1	0	0		ARTS LISTS
	LEVER: steel, nickel pl; irregular shape, rounded ear and curved formed ear on body curve, one stud and 3 hubs welded to body, elongated hole one end; approx 4-7/32" lg x 1-1/16" h x 5/16" wd o/a, 0.042" thk material; mts by ID of hub near elongated hole, LH mtg	Operates 0-1998, 0-2009 and 0-2011 and allows 0-2012 to position 0-2015 N5815-370-1007	N17-T 350014- 0675	СТТ	150428	150428	0-2007	1	0	0		
0-2008	Same as 0-1934	Lubricates H-1988 and 0-2007										
	LINK: steel, nickel pl; straightone side, cutout other side, both ends rounded, body formed at two places; approx 3-13/32" lg x 11/32" wd x 13/32" h o/a, 0.042" thk material; mts by hole at ea end	Drives A-1310 N5815-370-0981	N17-T 350014- 0649	CTT	150386	150386	0-2009	1	0	0		
0-2010	Same as 0-1932	Pivot for 0-2011						Ì				
	ARM: steel, nickel pl; formed ear at mtg end, irregular shaped slot at bent end; approx 2-13/32" lg x 23/32" h x 3/16" wd o/a, 0.042" thk material; mts by body hole, LH mtg	Operates 0-2016 N5815-370-1720	N17-T 350015- 0591	CTT	152541	152541	0-2011	1	0	0		NAVSHIPS 91713
	ARM: steel, nickel pl; irregular shape w/two rounded and one "L" shaped projections; approx 1-5/8" lg x 1-1/2" h x 1/2" wd o/a, 0.065" thk material; mts by ID of hub welded to a rounded projection; one body and two tapped holes irregularly placed, LH mtg	Mounts and pivots 0-2015 N5815-370-1000	N17-T 350014- 0668	CTT	150412	`150412	0-2012	1	0	0		91713
0-2013	Same as 0-1395	Lubricates 0-2012						١			1	
0-2014	Same as 0-1939	Applies tension to 0-2012						Ì				
0-2015	Same as 0-1935	Stops 0-1998 in one of four vertical positions										
	BLADE, bail: steel, nickel pl; rectangular shape w/body ear ea end, elongated cutout and 2 notches one edge, stud riveted below notches, elongated slot below stud, rib indented lengthwise along ctr; approx 11-5/32" lg x 7/8" h x 3/16" wd o/a, 0.050" thk material; mts by end ears	Strips symbols 0-1456 through 0-1466 from sym- bols 0-1425 through 0-1435 N5815-370-1115	N17-T 350014- 0837	СТТ	150424	150424	0-2016	1	0	0		S O-2006
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	TABLE 8-4. COMBINED PARTS AND SPARE PARTS LIST PARTS SPARE PARTS													
		PARTS								SF	ARE	PA	RTS	
SYMBOL DESIG.	NAME OF PART AND DESCRIPTION	FUNCTION AND	JAN OR NAVY TYPE DESIGNATION	STANDARD NAVY STOCK		IUFAC- IRERS DESIG.	TELETYPE PART NO.	ALL SYMBOL DESIGNATIONS INVOLVED	TOTAL NO.		ONAN.	STC OS	OCK .	
	DESCRIPTION	FEDERAL STOCK NUMBER	DESIGNATION	NUMBER	8				2 =	Ĕ	8) BC	00	
0-2017	SHAFT: steel, nickei pl; sq body w/rounded ends, cutout one end, bushing pressed on other end; approx 11-3/4" lg x 3/8" sq o/a; mts by two tapped holes in cutout & two tapped holes in body near other end; two body holes & two tapped holes	Drives A-1349, A-1372 and 0-2018 N5815-370-0973		N17-T 350014- 0641	СТТ	150365	150365	0-2017	1	0	0			
	PLATE, cam: steel, nickel pl; rectangular shape, shaft w/roller press fitted by 2 ears one side; approx 7/8" lg x 11/16" wd x 3/16" h o/a, 0.042" thk material; mts by 2 slots 5/8" c to c	Operates 0-2108 N5815-370-0971		N17-T 350014- 0639	СТТ	150363	150363	0-2018	1	0	0			
0-2028	PLATEN, teletypewriter: aluminum, rubber coated; rubber coated aluminum tube w/hub pressed into ea end; approx 10-5/8" lg x 1-3/4" OD o/a; mts by shanks; longer hub has 3 tapped holes in body and one tapped hole in shank	Supports and advances copy N5815-370-0396		N17-T 350013- 0946	СТТ	150718	150718	0-2028	1	0	0			
0-2029	BUSHING: bronze; male & female; approx 5/8" OD x 3/8" ID x 3/8" lg o/a, groove in head, 1/2" diam body	Right side frame sleeve bearing for 0-2028 N5815-370-1035		N17-T 350014- 0703	СТТ	150714	150714	0-2029, 0-2032	2	0	0			
0-2030	DISK, spacing: steel, nickel pl; approx 1-3/4" OD x 1/2" ID x 0.020" thk o/a; mts by ID; three equidistant body holes	Spaces 0-2028 and 0-2031 N5815-370-0699		N17-T 350014- 0365	СТТ	150998	150998	0-2030	1	0	0			
0-2031	GEAR: spur; steel, nickel pl; straight teeth; 32 teeth; 20 pitch, 1.60" PD; approx 1-11/16" OD x 1/2" ID x 7/32" thk o/a; face dished out; mts by ID and 3 equidistant holes around ID; "150809" stamped on face	Drives 0-2028 automatically N5815-370-0636		N17-T 350014- 0288	СТТ	150809	150809	0-2031	1	0	0			
0-2032	Same as 0-2029	Left side frame sleeve bearing for 0-2028												
0-2033	GEAR: spur; steel, nickel pl; straight teeth; 32 teeth; 24 pitch, 1.33" PD; approx 1-13/32" OD x 3/8" ID x 5/16" wd o/a; straight face; hub 1/2" OD x 3/8" ID x 1/4" lg; mts by ID and hole in flat of hub; "150715" stamped in hub side	Drives 0-2028 manually N5815-370-0395		N17-T 350013- 0945	СТТ	150715	150715	0-2033	1	0	0			

	HANDWHEEL: molded black bakelite; 30	Operates 0-2028 manually		N17-T	СТТ	150656	150656	0-2034		1	0	o	
	grooves equally spaced along OD, dished in on one side; approx 1-3/8" OD x 3/16" ID x 1" lg o/a; mts by ID ctb on dished side; two body holes through length	through 0-2035, 0-2039 and 0-2033 N5815-370-0380		350013- 0930									
2 0	GEAR: spur; steel, nickel pl; straight teeth; 21 teeth; 24 pitch, 0.768" PD; 0.922" OD, 0.189" bore, 0.065" thk; straight face; mts by bore and two #4-40 holes; "150658" stamped in face	Drives 0-2039 N5815-370-0381		N17-T 350013- 0931	СТТ	150658	150658	0-2035		1	0	0	
	BUSHING: bearing for platen handwheel; steel; male & female; approx 3/8" OD x 1/8" ID x 1/8" lg o/a, 1/4" diam shoulder	Spaces 0-2037 and 0-2035 and side frame bearing for 0-2034 N5815-370-0411		N17-T 350013- 0961	СТТ	150911	150911	0-2036		1	0	0	
e t T	LEVER: steel, nickel pl; irregular shape, elongated cutout one end, other end tapered to point, body ear and formed ear w/spring notch near tapered end; approx 3-7/8" lg x 1-9/32" h x 5/16" wd o/a, 0.065" thk material; mts by body hole near pointed end	Disengages 0-2034 and 0-2046 from 0-2031 by 0-2040 on manual operation N5815-370-0544		N17-T 350014- 0195	СТТ	150586	150586	0-2037		1	0	0	
0-2038	Same as 0-381	Applies tension to 0-2037											
	GEAR: spur; steel, nickel pl; straight teeth; 28 teeth; 24 pitch, 1.16" PD; approx 1-1/4" OD x 7/32" ID x 1/16" thk o/a; straight face; mts by ID; "150666" stamped in face	Drives 0-2033 N5815-370-0384		N17-T 350013- 0934	СТТ	150666	150666	0-2039		1	0	0	
} ! !	CRANK, bell; steel, nickel pl; irregular shape, one end rounded, other end formed w/spring notch, roller mtd by pin riveted to body; approx 1-7/16" lg x 19/32" h x 11/32" wd o/a, 0.058" thk material; mts by body hole in rounded end	Positions 0-2043 and 0-2046 on automatic operation and disengages them on manual operation N5815-370-0540		N17-T 350014- 0191	СТТ	150642	150642	0-2040		1	0	0	
ī	SPRING: helical extension type; 0.020" diam music wire; approx 1" lg x 5/32" diam o/a; approx 32 turns; parallel hook terminals	Applies tension to 0-2040 N5815-092-1431		N17-T 350016- 0148	СТТ	152871	152871	0-2041		1	0	0	
] (ECCENTRIC: steel, nickel pl; approx 7/8" OD x 5/16" ID x 0.020" thk o/a; mts by large hole off ctr; two body holes off ctr	Retains 0-2043 on 0-2044 N5815-370-0538		N17-T 350014- 0189	СТТ	150647	150647	0-2042		1	0	0	
5	BAR, line feed: steel, nickel pl; irregular shape w/3 teeth; approx 4-5/8" lg x 1" wd x 0.060" thk o/a; mts by hole in round end; elongated slot in body	Operates 0-2028 on line feed by 0-2031 and operates 0-2040 N5815-412-9174		N17-T 350013- 0587	СТТ	150585	150585	0-2043, 0	-2046	2	0	0	
] 1	ECCENTRIC: oilite; approx 3/4" OD x 5/16" ID x 0.064" thk o/a; mts by large hole off ctr; two body holes off ctr	Drives 0-2043 N5815-370-0537		N17-T 350014- 0188	СТТ	150648	150648	0-2044, 0	-2047	2	0	0	
l l	SPACER: steel, nickel pl; oblong shape, body hole ea side of ID; approx 1" h x 27/32" wd x 0.030" thk o/a; mts by 5/16" ID	Retains 0-2043 on 0-2044 and 0-2046 on 0-2047 N5815-370-0576		N17-T 350014- 0227	СТТ	150649	150649	0-2045		1	0	0	

		PARTS								SF	PARE	E PA	RTS
SYMBOL	NAME OF PART	FUNCTION	JAN OR	STANDARD NAVY	TU	NUFAC- IRERS	TELETYPE	ALL SYMBOL	NO.	EQ	UIP.	ST	оск
DESIG.	AND DESCRIPTION	AND FEDERAL STOCK NUMBER	NAVY TYPE DESIGNATION	STOCK NUMBER	CODE	DESIG.	PART NO.	DESIGNATIONS INVOLVED	TOTAL NO.	вох	QUAN.	X Q	QUAN.
- 2046	Same as 0-2043	Operates 0-2028 on line feed by 0-2031 and operates 0-2040											
- 2047	Same as 0-2044	Drives 0-2646											
-2048	BUSHING: phosphor bronze; approx $5/8$ " lg x $7/8$ " OD x $1/4$ " ID o/a, $5/16$ " diam and $11/32$ " diam shafts on ends	Sleeve bearing for 0-2044 and 0-2047 N5815-370-0610		N17-T 350014- 0261	СТТ	150650	150650	0-2048	1	0	0		
) -204 9	GEAR: spur; steel, nickel pl; straight teeth; 28 teeth; 24 pitch, 1.16" PD; approx 1-1/4" OD. x 11/32" ID x 1/8" thk o/a; straight face; mts by ID and two #4-40 holes; "150651" stamped in face	Drives 0-2044 and 0-2047 through 0-2048 N5815-370-0884		N17-T 350014- 0552	CTT	150651	150651	0-2049	1	0	0		
)-205 0	RETAINER: steel, nickel pl; irregular shape w/two formed ears; approx 1-9/16" lg x 1-1/8" h x 1/16" wd o/a, 0.032" thk material; mts by hole in ea end; PH mtg	Retains 0-2032 in A-1391 N5815-370-0587		N17-T 350014- 0238	CTT	150720	150720	0-2050	1	0	0		
0-2051	RETAINER: steel, nickel pl; irregular shape w/2 formed ears; approx 1-9/16" lg x 1-1/8" h x 1/16" wd o/a, 0.032" thk material; mts by hole in ea end; LH mtg	Retains 0-2029 in A-1389 N5815-370-0397		N17-T 350013- 0947	CTT	150719	150719	0-2051	1	0	0		
)-2052	SHAFT: steel, nickel pl; sq shaft w/3 arms, 2 in line w/body hole in ea, shorter arm has tapped hole; approx 9-15/16" lg x 1-3/16" wd x 13/16" h o/a; mts by round shank ea end	Drives 0-2057 N5815-370-1739	·	N17-T 350015- 0611	CTI	152555	152555	0-2052	1	0	0		
0-2053	BUSHING: steel, nickel pl; male; approx 11/32" lg x 1/2" across flats o/a, c/o hex head and body threaded w/3/8" - 32 thd	Left side frame sleeve bearing for 0-2052 N5815-370-1002		N17-T 350014- 0670	CTI	150414	150414	0-2053, 0-2055	2	0	0		
0-2054	Same as 0-1319	Lubricates 0-2052 and 0-2053											
0-2055	Same as 0-2053	Right side frame sleeve bearing for 0-2052											
-2056	Same as 0-1319	Lubricates 0-2052 and 0-2055											

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0-2057	LINK, lever: steel, nickel pl; rounded ends, radial cutout on both sides at ctr, stud welded at one end; approx 3/4" lg x 3/8" h x 1/4" wd o/a, 0.065" thk material; mts by stud and body hole	Operates 0-2061 N5815-370-1740	N17-T 350015- 0612	СТТ	152543	152543	0-2057	1	0	0	
0-2058	SPACER: steel, black nickel pl; approx 5/16" OD x 5/32" ID x 1/16" thk o/a; mts by ID	Spaces 0-2057 and 0-2061 N5815-350-2008	N17-T 350013- 0608	СТТ	2481	2481	0-2058	1	1	1	
0-2059	Same as 0-1543	Lubricates 0-2057 and 0-2061									
0-2060	Same as 0-374	Lubricates H-2055 and 0-1821									
0-2061	BAIL: steel, nickel pl; formed arm ea end w/body hole in ea, body formed throughout length w/4 equidistant cutouts at forming, tapped hole near ea cutout; approx 8-1/16" lg x 1-25/32" h x 13/16" wd o/a, 0.065" thk material; mts by 2 body holes in line in end ears	Releases and resets symbols 0-1425 through 0-1435 by 0-2062 N5815-370-1710	N17-T 350015- 0581	СТТ	152716	152716	0-2061	1	0	0	
0-2062	BLADE, bail: steel, nickel pl; one side straight other side has 4 equidistant formed adjustment lugs; approx 9-3/16" lg x 9/16" wd x 7/64" h o/a, 0.050" thk material; mts by 4 equidistant slots on 2" mtg/c (Replaces CTT #152715)	Adjustable resetting blade for 0-2061 N5815-524-3429		СТТ	153326	153326	0-2062	1	0	0	
0-2063	POST, pivot: aluminum, plain anodized; c/o head, shoulder, body and shank; approx 1" OD x 3/16" ID x 7/8" lg o/a; mts by ID; two holes in shoulder and ctb hole through side of body	Mounts 0-2065 N5815-370-1052	N17-T 350014- 0739	СТТ	150423	150423	0-2063	1	0	0	
0-2064	POST, pivot: aluminum, plain anodized; c/o head, shield, body and shank; approx 1" OD x 3/16" ID x 1-5/32" Ig o/a; mts by ID; two holes in shield and ctb hole through side of body	Mounts 0-2078 N5815-370-0994	N17-T 350014- 0662	СТТ	150398	150398	0-2064	1	0	0	
0-2065	SHAFT: steel; approx 1-3/16" lg x 3/16" diam o/a; mts by tapped hole in ctr	Right end pivot for 0-2061 N5815-370-0866	N17-T 350014- 0534	СТТ	150419	150419	0-2065, 0-2072	2	0	0	
0-2066	Same as 0-1319	Lubricates 0-2061, 0-2065 and 0-2078									
0-2067	ROD: aluminum, plain anodized; approx 10" lg x 5/16" across flats o/a; mts by tapped hole ea end	Tie bar for A-1389 and A-1391 N5815-370-0206	N17-T 350013- 0751	СТТ	151627	151627	0-2067	1	0	0	
			 **								

		PARTS								SF	PAR	E PA	RTS
YMBOL	NAME OF PART	FUNCTION	JAN OR	STANDARD NAVY	TL	NUFAC-	TELETYPE	ALL SYMBOL	S Z	EQ	UIP.	S1	ock
DISIG.	AND DESCRIPTION	AND FEDERAL STOCK NUMBER	NAVY TYPE DESIGNATION	STOCK NUMBER	CODE	DESIG.	PART NO.	DESIGNATIONS INVOLVED	TOTAL NO.	BOX	QUAN.	šõ	OUAN.
	BL CK, guide: black bakelite; ctb body hole, cutout and irregular shaped groove in front, cutout and two body holes in back; approx 3-1/4" lg x 1-5/32" h x 19/32" wd o/a; mts by two body holes near groove, RH mtg	Mounts 0-2077 to A-1389 N5815-370-0662		N17-T 350014- 0326	СТТ	150904	150904	0-2068	1	0	0		
	SPRING: helical compression type; 0. 020" diam music wire; approx 1-1/2" lg x 5/32" OD x 1/8" ID o/a; approx 28 turns; right hand; closed ends; mts by ID	Applies pressure to 0-2070 N5815-370-0098		N17-T 350013- 0617	СТТ	85407	85407	0-2069, 0-2074	2	1	1		
	PLATE: steel, nickel pl; irregular shape w/wing and formed ear; approx 2-1/8" lg x 7/8" h x 1/4" wd o/a, 0.065" thk material; mts by 2 elongated slots, one w/rounded cutout at one end; PH mtg	Retains 0-2077 in cutout of 0-2068 N5815-370-0665		N17-T 350014- 0329	СТТ	150910	150910	0-2070	1	0	0		
	BUSHING: steel, nickel pl; male and female; approx 1/4" across flats x #6-40 tapped ID x 1/8" lg o/a, 3/16" diam body	Guide for 0-2070 and holds 0-2068 and 0-2070 to A-1389 N5815-412-4689		N17-T 350003- 0388	СТТ	95030	95030	0-2071, 0-2076, 0-2078	4	0	0		
-2072	Same as 0-2065	Left end pivot for 0-2061											
	BLOCK, guide: black bakelite; ctb body hole, cutout and irregular shaped groove in front, cutout in back; approx 3-1/4" lg x 1-5/32" h x 27/32" wd o/a; mts by two body holes near groove, LH mtg	Mounts 0-2077 to A-1391 N5815-370-0661		N17-T 350014- 0325	СТТ	150903	150903	0-2073	1	0	0		
-2074	Same as 0-2069	Applies pressure to 0-2075											
-2075	PLATE: steel, nickel pl; irregular shape w/wing and formed ear; approx 2-1/8" lg x 7/8" h x 1/4" wd o/a, 0.65" thk material; mts by two elongated slots, one w/rounded cutout at one end; LH mtg	Retains 0-2077 in cutout of 0-2073 N5815-370-0344		N17-T 350013- 0892	СТТ	150935	150935	0-2075	1	0	0		
-2076	Same as 0-2071	Guide for 0-2075 and holds 0-2073 and 0-2075 to A-1391											
	SPINDLE, paper: steel, nickel pl; hex tubing w/flat spring_riveted on two sides w/ends inserted in body holes, bracket welded on by three ears on one end; approx 9-7/16" lg x 1-7/16" diam o/a, hex tubing 27/32" across flats; mts by ends	Spindle for roll paper N5815-370-0343		N17-T 350013- 0891	CTT	150907	150907	0-2077	1	0	0		

	Same as 0-2071	Guide for 0-2070 and holds A-1333, 0-2068 and 0-2070 to A-1389	**	Omer.	155041	155041	0.2005			0	
0-2086	PLATE, supporting: steel, nickel pl; flat, one end rounded, other end irregular shape; 1-5/16" lg x 3/8" wd x 0.065" thk o/a; mts by 2 holes on 3/8" mtg/c	Support for 0-1740	**	CTT	155041	155041	0-2086	1	0	0	
0-2087	Same as 0-370	Lubricates 0-2086									
0-2088	WICK: lubricating wick; hard, white felt, w/o spring; approx 1/2" lg x 1/4" wd x 1/16" thk o/a; elongated slot in ctr	Lubricates A-1355 N9390-568-1056	N17-T 350005- 0830	СТТ	93879	93879	0-2088	1	1	1	
ì	BAIL: steel, nickel pl; "U" formed strip; approx 9-29/32" lg x 9/32" wd x 1-7/32" h o/a, 0.065" thk material; mts by 2 holes in line at ends; 2 holes in base and 2 holes in line below mtg holes	Operates 0-2094 N5815-091-9614	N17-T 350017- 0590	СТТ	152140	152140	0-2089	1	0	0	
0-2090	Same as 0-326	Lubricates H-2093, H-2096 and 0-2089									
0-2091	Same as 0-1687	Applies tension to 0-2089									
0-2093	BAR, guide: steel, nickel pl; 10" lg x 1/2" wd x 3/16" thk o/a; mts by two #6-40 holes in ea end; 3 cutouts one side, 11 slots across wd in bottom, 8 ctb holes through top	Guide for 0-2095, 0-2096 and 0-2097 N5815-370-0656	N17-T 350014- 0320	СТТ	150894	150894	0-2093	1	0	0	
0-2094	SLIDE: steel, nickel pl; one end rounded, other end squared, body ear at bend, pin riveted below cutout; approx 2-7/8" lg x 15/16" h x 13/16" wd o/a, 0.050" thk material; mts by elongated slot in rounded end	Suppresses spacing by preventing 0-2113 from latching 0-1746 N5815-370-1248	N17-T 350014- 0992	CTT	152516	152516	0-2094	1	1	1	
0-2095	ARM: steel, nickel pl; irregularly shaped and formed body, ear at narrow end; approx 2-1/16" lg x 3/8" wd x 5/16" h o/a, 0.042" thk material; mts by rectangular slot at wd end of body	Operates 0-2116 N5815-370-0983	N17-T 350014- 0651	СТТ	150377	150377	0-2095	1	0	0	
1	ARM: steel, nickel pl; approx 1-1/16" lg x 3/16" wd x 0.042" thk o/a; mts by lg cutout along one side of body; ear one end of mtg cutout	Operates 0-2104 N5815-412-9166	N17-T 350013- 0579	СТТ	150561	150561	0-2096	1	0	0	
	ARM: steel, nickel pl; strip across one end, cutout one side, other end hook formed; approx 31/32" lg x 7/16" h x 1/8" wd o/a, 0.042" thk material; mts by cutout portion of body	Operates 0-1762 N5815-370-0894	N17-T 350014- 0562	СТТ	150919	150919	0-2097	1	0	0	
							item if required re ferencing NavShips 90				

TABLE 8-4. COMBINED PARTS AND SPARE PARTS LIST	TABLE 8-4.	COMBINED	PARTS	AND	SPARE	PARTS	LIST
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		PARTS		***************************************						SF	ARE	PA	RTS
YMBOL DE G.	NAME OF PART	FUNCTION AND	JAN OR NAVY TYPE	STANDARD NAVY	TL	NUFAC- JRERS	TELETYPE	ALL SYMBOL DESIGNATIONS	TOTAL NO. PER EQUIP.		JIP.		ock
DR.O.	DESCRIPTION	FEDERAL STOCK NUMBER	DESIGNATION	STOCK NUMBER	CODE	DESIG.	PART NO.	INVOLVED	TOYA PER	BOX	QUAN.	BOX	OUAN.
	SPRING: torsion type, 0.022" diam music wire; approx 13/16" h x 3/8" lg x 7/32" wd o/a; 12 turns; RH; hooked ends; mts by ends	Applies pressure to 0-2106 N5815-370-1139		N17-T 350014- 0861	стт	151713	151713	0-2098	1	1	1		
	BAIL: steel, nickel pl; irregular "U" shape, both sides extend in different directions, one formed at end, elongated cutout and formed ear on end of other side; approx 1-5/16" lg x 1/2" h x 1-1/4" wd o/a, 0.065" thk material; mts by two holes in sides of "U"	Operates 0-2102 N5815-370-1011		N17-T 350014- 0679	CTT	150434	150434	0-2099	1	0	0		
	WASHER, felt: hard, white felt; round, approx 9/16" OD x 3/16" ID x 1/8" thk o/a	Lubricates H-2113 and 0-2099 N5815-370-0093		N17-T 350013- 0607	СТТ	4586	4586	0-2100	2	1	1		
-2101	Same as 0-1376	Applies tension to 0-2099	<u> </u>										
	BAIL: steel, nickel pl; one end "U" formed w/formed arm, other end 90° formed; approx 1-9/16" lg x 5/8" h x 3/4" wd o/a, 0.050" thk material; mts by two holes in line in sides of "U"	Suppresses spacing when carriage is at extreme right by positioning 0-2094 N5815-370-1247		N17-T 350014- 0991	СТТ	152518	152518	0-2102	1	0	0		
-2103	Same as 0-214	Lubricates 0-2102											
	LEVER: steel, nickel pl; "L" shaped lever w/hub welded to corner and push bar riveted to one end; approx 3-13/32" lg x 1-7/32" h x 23/32" wd o/a; mts by ID of hub; csk hole in narrow p/o "L"	Operates 0-280 N5815-370-1987		N17-T 350015- 0878	СТТ	152708	152708	0-2104	1	0	0		
	SPRING: helical extension type; 0.014" diam music wire; approx 5/8" lg x 3/16" OD x 5/32" ID o/a; approx 26 turns; hook term ea end, indexed 90"; mts by terms	Applies tension to 0-2104 N5340-448-3995		N17-T 350006- 0401	СТТ	7965	7965	0-2105	1	0	0		
	BAIL: steel, nickel pl; irregularly curved and formed, one end "U" formed; approx 1-27/32" lg x 19/32" h x 5/8" wd o/a, 0.042" thk material; mts by 2 body holes in line in "U" formed end	Operates 0-2107 N5815-370-1121		N17-T 350014- 0843	СТТ	150913	150913	0-2106	1	0	0		
	STRIPPER: steel, nickel pl; irregular shape, elongated cutout one end, 2 formed ears other end, formed ear near ctr; approx 1-21/32" lg x 7/16" wd x 1/8" h o/a, 0.042" thk material mts by elongated hole between ctr and end ears	Strips 0-1452 and 0-1453 from 0-1433 and 0-1434 N5815-370-1122		N17-T 350014- 0844	стт	150915	150915	0-2107	1	0	0		

0-2108	BAIL: steel, nickel pl; irregular shape, one end "U" formed w/formed ear w/one spring notch, other end has body hole and formed spring notched ear; approx 1-5/16" lg x 27/32" h x 21/32" wd o/a, 0.065" thk material; mts by ID of hub welded to side of "U" and body hole in line	Operates 0-2113 N5815-370-1491		N17-T 350015- 0350	стт	152514	152514	0-2108	1	0	0	PARTS LISTS
0-2109	SPRING: helical extension type; 0. 022" diam music wire; approx 7/8" lg x 1/4" OD x 3/16" ID o/a; approx 18 turns; parallel hook term ea end; mts by terms	Applies tension to 0-2108 N5340-448-4041		N17-T 350006- 0540	СТТ	82442	82442	0-2109	1	1	1	
0-2110	Same as 0-370	Lubricates 0-2018 and 0-2108 -										
0-2111 -	Same as 0-214	Lubricates 0-2108 and riveted stud on A- 1381							≘		4	
0-2112	WASHER, felt: hard white felt; round, approx 7/16" OD x 5/16" ID x 1/32" thk o/a	Lubricates 0-2108 and 0-2113 N5815-370-0674		N17-T 350014- 0338	СТТ	150930	150930	0-2112	1	1	2	
	LEVER: steel, nickel pl; irregular shape, 3 arms extending from body, one rounded and formed, one spring notched and one w/rectangular extension at end and squared cutout in corner; approx 2-5/32" lg x 1-1/8" h x 7/16" wd o/a, 0.050" thk material; mts by stud welded to body	Operates spacing clutch by engaging 0-1746 N5815-370-1492		N17-T 350015- 0351	CTT	152515	152515	0-2113	1	0	0	NAVSHIPS 91713
0-2114	Same as 0-381	Applies tension to 0-2113										917
0-2115	SHAFT: SS; approx 3-3/8" lg x 1/4" diam o/a; mts by tapped hole in ea end; body slot	Pivot for 0-2116 and 0-2118 N5815-370-0995		N17-T 350014- 0663	CTT	150399	150399	0-2115	1	0	0	າລ
0-2116	BAIL: steel, nickel pl; irregular shape, "U" formed near one end, ear at end; approx 3-5/16" lg x 3/4" h x 1-3/16" wd o/a, 0.050" thk material; mts by two holes in line in sides of "U"; body hole near ear	Operates 0-2118 N5815-370-0990		N17-T 350014- 0658	CTT	150392	150392	0-2116	1	0	0	
0-2117	Same as 0-1395	Lubricates 0-2115, 0-2116 and 0-2118										
0-2118	LEVER: steel, nickel pl; two ears one end w/rounded cutout between, other end rounded w/lg irregular shaped arm; approx 2-1/32" lg x 1-9/16" h x 0.075" wd o/a, 0.050" thk material; mts by body hole w/smaller opening on extruded side; tapped hole near cutout, csk hole in arm	Operates 0-1613 N5815-370-1504		N17-T 350015- 0363	СТТ	152545	152545	0-2118	1	0	0	S-2108-
0-2119	SHIM: steel; approx 1/4" ID x 7/16" OD x 0.005" thk o/a; mts by ID	Pressure plate for 0-2120 N5310-392-0018		N17-T 350009- 0858	CTT	90490	90490	0-2119	1	0	0	ection {
	المستبيد المنابي المناب المناب المناب والمناب المناب المناب المناب المناب المناب المناب المناب المناب		السياسي المستوالي المستوالي المستوالي المستوالي المستوالي المستوالي المستوالي المستوالي المستوالي المستوالي الم		·			·	ـــا			ာ မ

		PARTS									PARE	E PA	RTS
SYMBOL DESIG.	NAME OF PART AND DESCRIPTION	FUNCTION AND FEDERAL STOCK NUMBER	JAN OR NAVY TYPE DESIGNATION	STANDARD NAVY STOCK NUMBER		NUFAC- IRERS DESIG.	TELETYPE PART NO.	ALL SYMBOL DESIGNATIONS INVOLVED	TOTAL NO.	EQ XOg	UIP.	_	OCK
	SPR NG: helical compression type; 0.020" diam music wire; approx 1-9/16" lg x 5/16" OD o/a; 15 turns; closed ends	Applies pressure to 0-2118 N5815-370-1276		N17-T 350015- 0121		111355	111355	0-2120	1				
	SHAFT: steel, nickel pl; approx 9-21/32" $\lg x 7/32$ " diam o/a; mts by short shank ea end	Pressure roller guide for copy paper N5815-330-9042		N17-T 350016- 0149	СТТ	152832	15 2832	0-2122	1	0	0		
	COLLAR, shaft: aluminum, plain anodized; round, one side flat, other side rounded; approx 5/8" OD x 7/32" ID x 1/4" thk o/a; mts by ID and two #6-40 ctb holes in OD (Replaces CTT #150683)	Guide for keeping copy paper centered N5815-309-2809		N17-T 350017- 0666	СТТ	153634	153634	0-2123	2	0	0		
	LEVER: steel, nickel pl; flat elongated shape w/bend in middle having small hole at ea end, one csk on both sides; approx 1-1/2" lg x 1/2" wd x 0.050"thk o/a; mts by large ctr hole	Pressure arm and bearing for 0-2122 N5815-370-0637		N17-T 350014- 0289	СТТ	150816	150816	0-2124	2	0	0		
	BUSHING: steel, nickel pl; male and female; approx 5/16" OD x 1/8" ID x 1/4" lg o/a, 3/16" diam shoulder	Spaces 0-2124 from A-1389 and A-1391 N5815-370-0889		N17-T 350014- 0557	стт	150815	150815	0-2125	2	0	0		
-2126	Same as 0-1732	Applies tension to 0-2124											
	LEVER: SS; one end formed, round ear near round end, stud riveted to ear; approx 1-1/8" lg x 5/8" h x 1" wd o/a; 0.050" thk material; mts by hole in rounded end; form- ed end marked "PAPER RELEASE"	Manually operates 0-2134 N5815-370-0428		N17-T 350013- 0978	СТТ	150276	150276	0-2127	1	0	0		
0-2128	Same as 0-1386	Pivot for 0-2127											
0-2129	PLATE: steel; irregular shape w/formed ear w/''V'' notch; approx 5/8" lg x 5/8" h x 10-1/2" wd o/a, 0.050" thk material; mts by shaft riveted to body	Positions 0-2131 and 0-2132 N5815-412-9181		N17-T 350013- 0594	СТТ	150685	150685	0-2129	1	0	0		
0-2130	SPRING: helical extension type; 0.024"diam music wire; approx 11/16" lg x 3/16" OD x 1/8" ID o/a; approx 15 turns; parallel hook term ea end; mts by terms	Applies tension to 0-2129 N5815-448-3754		N17-T 350012- 0717	СТТ	72468	72468	0-2130	1	1	1		

0-2131	FINGER, paper: steel, nickel pl; "U" shaped on one end w/one side extending forward w/end formed; approx 1-3/4" lg x 7/8" h x 1/2" wd o/a; 0.050" thk material; mts by two flat sided holes in line in sides of "U"; RH mtg, formed end has cross hatched area	Clamps right side of paper to 0-2028 N5815-370-0632	·	N17-T 350014- 0284	CTI	150804	150804	0-2131	1	0	0	
0-2132	PFINGER, paper: steel, nickel pl; "U" shaped on one end w/one side extending forward w/end formed; approx 1-3/4" lg x 7/8" h x 1/2" wd o/a, 0.050" thk material; mts by two flat sided holes in line in sides of "U"; LH mtg, formed end has cross hatched area	Clamps left side of paper to 0-2028 N5815-370-0644		N17-T 350014- 0296	СТТ	150826	150826	0-2132	1	0	0	
0-2133	SPRING: flat type; 0.015" thk nickel silver; approx 7/8" lg x 5/16" wd x 1/8" formed curve o/a; mts by ear on ea end	Friction spring for 0-2131 and 0-2132 N5815-370-0631		N17-T 350014- 0283	СТТ	150803	150803	0-2133	1	0	0	
0-2134	LINK: steel, nickel pl; approx 3-1/16" lg x 5/16" wd x 0.042" thk o/a; mts by body hole at ea end	Operates 0-2141 N5815-370-0425		N17-T 350013- 0975	СТТ	150270	150270	0-2134	1	0	0	
0-2135	GUIDE, paper: steel, nickel pl; one side irregularly formed, both ends formed w/2 ribs in ea corner, body slot near one end, body hole near other end; approx 10" lg x 7/8" wd x 1-1/8" h o/a, 0.035" thk material; mts by two slots and 2 body holes in line in formed ends	Guides paper to 0-2122 N5815-370-1246		N17-T 350014 0990	СТТ	152539	152539	0-2135	1	0	0	
0-2136	BAIL: steel, nickel pl, irregular formed w/three cutouts one side, irregular shaped formed ear on ea end in line; approx 10-3/16" lg x 1-1/8" h x 5/8" wd o/a, 0.035" thk material; mts by two holes in line in formed ears	Guides and clamps paper to 0-2028 and disengages 0-2137 from paper when released N5815-370-0462		N17-T 350014- 0113	СТТ	150098	150098	0-2136	1	0	0	
	POLLER, pressure: black bakelite; approx 1-5/8" lg x 7/16" diam o/a; mts by shank ea end	Roller for and advances paper around 0-2028 N5815-370-0424		N17-T 350013- 0974	СТТ	150269	150269	0-2137, 0-2147	6	0	0	
	GUIDE: lever: steel, nickel pl; irregular shape, one arm w/ear on side, cutout near one end; approx 3/4" lg x 11/16" h x 0.065" thk o/a; mts by hole near pointed end	Pivot for and applies pressure to 0-2137 N5815-370-0422		N17-T 350013- 0972	СТТ	150266	150266	0-2138, 0-2145	12	0	0	
	SPRING: helical compression type; 0. 020" diam :nusic wire; approx 1-1/16" lg x 1/8" diam o/a; approx 26 turns; closed ends	Applies pressure to 0-2136 N5815-370-1713		N17-T 350015- 0584	СТТ	152725	152725	0-2139	2	0	0	
0-2140	SHAFT: steel; black oxide; approx 9-7/8" lg x 3/32" diam o/a; mts by ends	Pivot guide for 0-2136 and 0-2138 N5815-370-0421		N17-T 350013- 0971	СТТ	150265	150265	0-2140, 0-2143	2	0	0	
	ARM: steel, nickel pl; curved near ctr w/rounded ends, stud riveted one end, detent shaft riveted to other end; approx 9-5/8" lg x 5/8" h x 13/16" wd o/a, 0.035" thk material; mts by detent shaft	Releases paper through 0-2136, 0-2138 and 0-2145 N5815-370-0426		N17-T 350013- 0976	СТТ	150271	150271	0-2141	1	0	0	

	TAE	BLE 8-4. COMBINED	PARTS ANI	SPARE	PA	RTS L	.IST						
		PARTS								SI	PARE	PA	RTS
YMBOL DESIG.	NAME OF PART AND DESCRIPTION	FUNCTION AND FEDERAL STOCK NUMBER	JAN OR NAVY TYPE DESIGNATION	STANDARD NAVY STOCK		NUFAC- IRERS DESIG.	TELETYPE PART NO.	ALL SYMBOL DESIGNATIONS INVOLVED	TOTAL NO.	EQ XO8	QUAN. 410	STC SOS	OCK
	BAR, cross: aluminum, plain anodized; approx 10" lg x 9/16" wd x 1/2" h o/a; mts by 2 tapped holes in ea end; slot through entire length, 16 body slots, 18 body holes	Guide for and mounts pressure roller mechanism N5815-370-0463		NUMBER N17-T 350014- 0114		150097	150097	0-2142	1	0	0 O	9	<u>8</u>
	Same as 0-2140	Pivot guide for 0-2145											
	GUIDE, paper: steel, nickel pl; irregularly formed and shaped body w/three cutouts, three fingers on ea side of cutouts, all middle fingers formed; approx 8-15/16" lg x 1" h x 1-5/16" wd o/a; mts by hole in ea formed finger	Feeds paper to 0-2028 N5815-370-0461		N17-T 350014- 0112	CTT	150099	150099	0-2144	1	0	0		
- 2145	Same as 0-2138	Pivot for and applies pressure to 0-2147											
	SPRING: helical compression type; 0.020" diam music wire; approx 1-7/32" lg x 1/8" diam o/a; approx 30 turns; closed ends	Applies pressure to 0-2145 N5815-370-1714		N17-T 350015- 0585	СТТ	152723	152723	0-2146	2	1	1		
-2147	Same as 0-2137	Roller for and advances paper around 0-2128						`					
	CLIP: special; protects side frames from wear; steel, nickel pl; approx 3/4" lg x 19/32" wd x 3/32" h o/a, 0.010" thk material; 2 sides formed, formed ear in both rounded ends	Protects A-1389 from wear by 0-2122 N5815-092-1428		N17-T 350016- 0166	СТТ	152831	152831	0-2154, 0-2163	2	0	0		
	GUIDE: steel, nickel pl; irregular shape, both sides formed, 2 body holes in wd end, 2 mtg ears on body; approx 3-29/32" lg x 1-1/16" h x 9/32" wd o/a, 0.042" thk material; mts by elongated slot and body hole in mtg ears	Guide for A-1324 N5815-412-9172		N17-T 350013- 0585	СТТ	150579	150579	0-2155	1	0	0		
	BAIL: steel, nickel pl; irregular shape, "U" shaped one end, stud riveted and welded to other end; approx 1-3/16" h x 1-3/8" lg x 1/4" wd o/a, 0.042" thk material; mts by two holes in line in sides of "U"	Positioning detent for 0-2031 N5815-370-0659		N17-T 350014- 0323	СТТ	150900	150900	0-2156	1	0	0		
	BUSHING: steel, nickel pl; male and female; approx 5/16 th across flats x #6-40 off ctr ID x 11/32 th lg o/a, 1/4 th diam body	Pivot for 0-2156 N5815-370-1036		N17-T 350014- 0704	СТТ	150961	150961	0-2157	1	0	0		
	SPRING: torsion type; 0.040" diam music wire; approx 1-7/8" lg x 3/16" h x 3/8" wd o, a; 2-1/4 turns; left hand turns	Applies pressure to 0-2156 N5815-370-0688		N17-T 350014- 0354	СТТ	150969	150969	0-2158	1	0	0		

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	GUIDE: steel, nickel pl; approx 1-3/4" $\lg x$ 3/8" $h \times 1/4$ " wd o/a, 0.028" thk material; mts by hole and elongated slot in body; three formed prongs on one end of body	Guide for 0-2043 and 0-2046 N5815-412-9177		N17-T 350013- 0590	СТТ	150654	150654	0-2159	1	0	0	
	LEVER: steel, nickel pl; irregularly shaped and formed, two rounded projections near "L" shaped end, other end rounded; approx 3-13/16" lg x 1-7/8" h x 3/8" we o/a; 0.065" thk material; mts by hole in bend near ctr of body	Positions 0-2107 in stripping or disengaged position by shifting 0-2016 N5815-370-0660		N17-T 350014- 0324	СТТ	150902	150902	0-2160	1	0	0	
0-2161	Same as 0-1316	Bearing roller for 0-2160 (If so equipped. See H-2198 and H-2199)										
	GUIDE: steel, nickel pl; irregular shape w/sides "U" formed and two ears; approx 3-7/8" lg x 1-1/8" h x 1/4" wd o/a; 0.042" thk material; mts by hole and elongated slot in ears; LH mtg	Guide for A-1325 N5815-412-9169		N17-T 350013- 0582	СТТ	150569	150569	0-2162	1	0	0	
0-2163	Same as 0-2154	Protects A-1391 from wear by 0-2122	•									
	KEYLEVER: steel, nickel pl lever w/cellulose acetate butyrate (Tenite II) keytop; straight lever, rounded one end, keytop press fitted other end; approx 2-7/16" lg x 1/2" diam o/a; mts by body hole; grey green keytop w/white characters "LINE FEED"	Operates 0-2602 (TT-171/UC only)			СТТ	153444	153444	0-2601	1	0	0	
	LEVER: steel, nickel pl; irregular shape; approx 3-25/32" lg x 7/8" l x 0.050" thk o/a; mls by second hole from rounded end; 5 holes irregularly located	Operates 0-283 (TT-171/UG only)			СТТ	153109	153109	0-2602, 0-2605	2	0	0	
0-2603	Same as 0-1655	Applies pressure to 0-2601 and 0-2602 (TT-171/UG only)										
	KEYLEVER: steel, nickel pl lever w/cellulose acetate butyrate (tenite II) keytop; straight lever, rounded one end, keytop press fitted other end; approx 2-7/16" lg x 1/2" diam o/a; mts by body hole; grey green keytop w/white characters "CAR RET"	Operates 0-2605 (TT-171/ UG only)			СТТ	153445	153445	0-2604	1	0	0	
0-2605	Same as 0-2602	Operates 0-272 (TT-171/UG only)										
0-2606	Same as 0-1655	Applies pressure to 0-2604 and 0-2605 (TT-171/UG only)										

SYMBOL

DESIG.

SPARE PARTS

STOCK

õ

QUAN.

EQUIP.

BOX

0 0

0 0

0 0

1 0 0

1 0 0

1

QUAN.

ALL SYMBOL

DESIGNATIONS

INVOLVED

P-601

P-1101

P-1102

R-601

R-1101

-S-501

	5W; 1" lg x 5/16" OD x 7/32" ID excluding term; vitreous enamel coated, humidity resistant; 2 solder lug term 7/16" lg x 3/16"	for use in 20 mil operation N5905-270-6628	use SNSN N16-R0 6		#211 term -4366							
	wd											
	SWITCH, sensitive: SPDT; 10 amps, 125 v AC; bakelite case; approx 1-7/16" lg x 15/16" wd x 9/32" h o/a; plunger actuated; 6 oz operating pressure; 0.007" movement differential; 0.040" max pretravel; 0.025" max overtravel; momentary action; solder lug terminals; four 3/32" diam mtg holes on 1" x 5/8" mtg/c	Operates end of line indica- tor light N5930-696-8344	N17-S C 069146- 1843	ATK	IMD12 AXX	151329	S-101, S-103	2	0	0		
- 103	Same as S-101	Operates motor unit										
	SWITCH, thermostatic: SPST; operated as current overload device; 11 amps; bakelite; approx 1-1/2" lg x 5/8" wd x 7/8" h o/a; wire lead term; mts by cutout ea end	Current overload switch, prevents overheating N5815-370-0354	N17-T 350013- 0902	СТТ	122249	122249	S-501	1	1	1	PARTS LISTS	
									à			

TABLE 8-4. COMBINED PARTS AND SPARE PARTS LIST

JAN OR

NAVY TYPE

DESIGNATION

MANUFAC-

TURERS

CTT 152035

CTT 152465

CTT 152466

CTT 152054

#211

For re- CAO 5F400

DESIG.

TELETYPE

PART NO.

152035

152465

152466

152054

153157

STANDARD

NAVY

STOCK

NUMBER

N17-T

0940

N17-T

0874

N17-T

0875

N17-T

0113

350015-

placement

350015-

350015-

350014-

PARTS

FUNCTION

AND

FEDERAL STOCK NUMBER

Protects A-1391 from wear

Termination for and connects

Termination for and connects

Offers resistance to series

Line balancing resistance

for use in 20 mil operation

by 0-2122 Plug for A-607

N8515-370-1212

W-1101 to J-101

W-1101 to J-1301

N5815-370-1984

motor N5815-370-1268

N5815-370-1983

NAME OF PART

AND

DESCRIPTION

approx 5/32" lg x 13/32" diam o/a; mts by

straight: approx 2-7/32" h x 2-7/32" lg x

num body, molded black phenolic insert; includes cable clamp, one guide pin on face and formed ear at both ends of face, end

1-23/32" wd o/a; rectangular shaped alumi-

straight; approx 2-13/32" lg x 1-23/32" h x

1-3/32" wd o/a; rectangular shaped alumi-

includes cable clamp, one guide pin on face and formed ear at both ends of face, side

300° C max continuous oper temp; body dimen

2" lg x 1-1/16" h x 3/8" wd; vitreous enamel

coating; 2 radial tab terminals 3/16" lg x 3/16" wd; mts by 2 slots through lg of body

5W; 1" lg x 5/16" OD x 7/32" ID excluding

num body; molded black phenolic insert;

3/32" lg 3/8" x 32 threaded shank; slot drive

P-601 PLUG, machine thread: steel, nickel pl;

P-1101 CONNECTOR, plug: 20 round female cont;

P-1102 CONNECTOR, plug: 20 round female cont:

R-601 RESISTOR, fixed: WW; 250 ohms; 40w at

R-1101 RESISTOR, fixed: $\mathbf{W}\mathbf{W}$; 400 ohms $\pm 10\%$;

across head

opening

opening

position - "O 24v DC; bake 3/4" wd x 25 lg bat type ha		Switch for E-751 and E-752 N5930-050-2632 Power switch for motor unit N5930-030-2638 Copy light switch N5930-666-2066	ST13A ST23N	N17-S 070777- 8601 For re- placement SNSN NI'	CHH nt use 7-S0	BS 74139-48	118659 44	S-751 S-1101	1 1	0	0	
S-1102 SWITCH, tog position - ''O 24v DC; bake 3/4'' wd x 25, lg bat type ha term; single	gle: DPDT, 3 position (center FF''); 4 amp, 125v DC, 20 amp, lite body; approx 1-5/16'' lg x /32'' h o/a body dimen; 23/32'' holde; locking action; solder lug	N5930-030-2638	ST23N	placements SNSN NI' For re- placement	nt use 7-SO	BS 74139-48	44				0	
position - "O 24v DC; bake 3/4" wd x 25 lg bat type ha term; single	FF"); 4 amp, 125v DC, 20 amp, lite body; approx 1-5/16" lg x /32" h o/a body dimen; 23/32" andle; locking action; solder lug	N5930-666-2066		placemen	CAE	8821		0 1100	1	_	l	
1				74692-45		SNSN N	108409 117-S0	S-1102		0	0	
AC, 60 cyc, phenolic body 7/16" h o/a; oper pressur	sitive: SPDT, 2 position; 125 v 10 amp non inductive load; r; approx 2-1/8" lg x 9/16" wd x snap-action actuated; 3 to 8 oz e; 1/32" to 1/16" overtravel; nally closed; solder lug terms; tt ea end	Stops and supplies shunt to E-1114 and E-1115 N5930-258-5287		N17-S 069452- 7985		Indus- Corp SK-3 double throw	151414	S-110 4, S-1105	2	0	0	
S-1105 Same as S-11	04	Stops and operates motor unit										
		SYMBOL DESIGNATION T-7	51 USED ON C	Y-870/UG	AND (CY-871/	UG CABIN	ETS				
50-60 cyc, si secd 6.3v, 6 varnish impr approx 5-1/1 o/a, incl mtg terminated b	IER, power: filament type; 117v, ingle ph; one output winding; amp, ctr tap.ed; 1600 v ins egnated; metal cover both sides; 6" lg x 2-29/32" wd x 2-7/8" h; bracket; 15" lg 4 cond cable y 4 CTT #151626 terms; mts by holes in mtg bracket	Supplies power for E-751 and E-752 N5815-370-1183		N17-T 350014- 0906	СТТ	151984	151984	T-751	1	0	0	
term 3/8'' be	ninal: 4 nickel pl steel terms; tween ctrs, w/barriers; black rox 2-5/16" lg x 1/2" wd x 1/2" ble ea end	Terminal board for W-101 N5815-370-0184		N17-T 350013- 0729	СТТ	151415	151415	TB-101	1	0	0	
		SYMBOL DESIGNATION TB	-751 USED ON	CY-870/U	G AN	D CY-87	1/UG CAE	INETS				- 1
nickel pl #6-; between ctrs board; 5-1/8	minal: general purpose; 10 brass 32 thd screw term; term 7/16", w/barriers; molded phenolic " lg x 1-1/8" wd x 1/2" thk o/a; liam mtg holes on 27/64" x :/c	Terminal board for W-1101 N5940-171-0479		N17-B 077937 4692	CJC	10-141	118759	TB-751, TB-752 TB-753	2, 3	0	0	
TB-752 Same as TB-	751 .	Terminal board for W-1101, XI-751 and W-751										
TB-753 Same as TB-	751	Terminal board for W-1101										

	·	PARTS									PARE	PA	RTS
YMBOL	NAME OF PART	FUNCTION	JAN OR	STANDARD NAVY		NUFAC- IRERS	TELETYPE	ALL SYMBOL	Š.	EQ	UIP.	ST	ОСК
DESIG.	AND DESCRIPTION	AND FEDERAL STOCK NUMBER	NAVY TYPE DESIGNATION	STOCK NUMBER	GODE	DESIG.	PART NO.	DESIGNATIONS INVOLVED	TOTAL NO.	XOB	QUAN.	BOX	1
	BOARD, terminal: 9 nickel pl steel screw terminals; terms 3/8" between ctrs, w/barriers; black bakelite; approx 4-3/16" lg x 1/2" wd x 1/2" h o/a; 5/16" mtg hole ea end	Terminal board for W-1101 N5940-329-5495		N17-T 350013- 0726	СТТ	151411	151411	TB-1101, TB-1102, TB-1104	3	0	0		
B-1102	Same as TB-1101	Terminal board for W-1101											
B-1104	Same as TB-1101	Terminal board for W-1101 and W-1103											
	CABLE ASSEMBLY, special purpose: lacquered cotton braid covering; 8 cond, #18 and #26 AWG stranded copper wire; lock stitch, covered w/vinylite tape; approx 15" lg o/a; color coded; 16 breakouts, 2 w/tinned ends and 2 w/CTT #82474 terminals	Connects J-101 with TB-101, S-101, S-102 and Z-101 (If so equipped. See W-102 and W-103) N5815-370-1142		N17-T 350014- 0864	СТТ	151348	151348	W-101	1	0	0		
/- 102	WIRE, electrical: bare; #20 AWG, 1" lg; copper, soft drawn; solid	Jumper for TB-101 (If so equipped. See W-101) N5995-407-5852		N17-T 350012- 0715	СТТ	6342	6342	W-102	1	0	0		
	CABLE ASSEMBLY, special purpose: lacquered cotton braid covering; 4 cond #22 AWG and 2 cond #18 AWG stranded copper wire; bound w/#6 lacing twine and covered w/8" lg of tubing at one end; approx 15-3/4" lg o/a; color coded; 12 leads; 2w/ CTT #82474 term, 10 skinned, twisted and tinned	Connects J-101 with TB-101, S-101, S-102 and Z-101 (If so equipped. See W-101)			СТТ	153674	153674	W-103	1	0	0		
/-501	CABLE ASSEMBLY, special purpose: lacquered cotton braid covering; 3 cond, #18 AWG stranded copper wire; bound w/#6 lacing twine; approx 12" lg o/a; 2 cond w/CTT 151626 terms and covered w/2" lg vinyl plastic flexible tubing one end, 4 cond skinned and tinned other end, vinyl plastic flexible tubing in ctr, tied at ends w/#6 lacing twine	Connects synchronous motor with TB-101 N5815-370-1267		*N17-T 350015- 0112	СТТ	151927	151927	W-501	1	0	0		
V -601	CABLE ASSEMBLY, special purpose: lacquered cotton braid covering; 2 cond, #18 AWG stranded copper; covered w/12" lg tubing and tied w/#6 lacing twine; approx 14-3/4" lg o/a; color coded; both cond tinned one end, CTT #151626 terms soldered on other end	Connects series motor with Z-601 N5815-370-1269		*N17-T 350015- 0114	стт	152059	152059	W-601	1	0	0		

TABLE 8-4. COMBINED PARTS AND SPARE PARTS LIST

	LEAD, electrical: #18 AWG stranded copper cond, rubber ins, cotton braid covered; 8-1/2" lg excluding termination; spring soldered to one end, other end skinned and tinned	Connects H-607 to governor contact N5995-331-0324		N17-T 350016- 0456	СТТ	153114	153114	W-602	1	0	0	
Į.		SYMBOL DESIGNATION W-	751 USED ON	Y-870/UC	ANI	CY-87	/UG CABI	NETS				
	CABLE ASSEMBLY, special purpose: lacquered cotton braid covering; two cond, #18 AWG copper stranded wire; laced w/#6 lacing twine; approx 34-1/4" lg o/a; color coded; 2 CTT #151626 terms one end, one breakout w/CHH #82301 BS switch, 2 CAYZ #12-71 sockets spliced to cable	Connects S-751, XE-751 and XE-752 with TB-752 N5815-370-1174		*N17-T 350014- 0897	СТТ	151981	151981	W-751	1	0	0	
	CABLE ASSEMBLY, special purpose: lacquered cotton braided insulation; 62 cond cable w/#18 and #26 AWG stranded copper wire; cable is laced w/#6 lacing twine, except where covered w/tubing or tape; approx 99" Ig o/a; color coded; CTT#151626 term soldered to 47 leads, CTT #107398 term soldered to 2 leads, 10 leads soldered to CTT #152465 connector, 20 leads soldered to CTT #152466 connector, 31 leads skinned, twisted and tinned and 14 spare leads taped in 2 groups, cable clamped to power distribution panel at 2 places by 2 CTT #115508 washers and 2 CHU #112 clamps	Main power supply cable, connects power distribution panel with motor unit, cabinet, keyboard and automatic typer N5815-370-1991		N17-T 350015- 0882	СТТ	152750	152750	W-1101	1	0	0	
	CABLE ASSEMBLY, special purpose: lacquered cotton braid covering; 12 cond, #18 and #20 AWG copper stranded wire; lock stitch covered w/vinylite tape; approx 10" lg o/a; color coded; c/o short body w/4 arms w/24 leads irregularly spaced, 8 cond have CTT #151626 terminals soldered on, remaining cond skinned, twisted and tinned	Connects W-1101 with motor control mechanism through TB-1104 N5815-370-0350		*N17-T 350013- 0898	СТТ	151417	151417	W-1103	1	0	0	
	CABLE ASSEMBLY, special purpose: polyvinyl chloride ins, lacquered cotton braid covering 2 cond #22 AWG stranded copper; covered w/vinyl tubing tied at ea end; approx 13-3/4" lg o/a; color coded; both cond skinned, twisted and tinned both ends	Connects E-1301 and E-1302 with J-1301 N5995-351-3046		*N17-T 350014- 0754	СТТ	150971	150971	W-1301	1	0	0	
	CABLE ASSEMBLY, special purpose: polyvinyl chloride ins, lacquered cotton braid covered; 4 cond #22 AWG stranded copper; cond covered w/black vinyl plastic tubing and tied w/#6 lacing twine; approx 8" lg o/a; color coded; terminated by four CTT #151626 terminals one end, four 1" lengths of plastic tubing over skinned and twisted cond other end	Connects E-608 and E-609 with J-1301 N5815-370-1964		N17-T 350015- 0855				W-1302	1	0	0	
							naintenance not request					
		,		replacer	nent	unléss ti	ne item car					
		<u> </u>		repaire	ori	apricate	u.			Щ.		ليا

		PARTS									ARE		<u>RTS</u>
YMBOL DESIG.	NAME OF PART AND DESCRIPTION	FUNCTION AND FEDERAL STOCK NUMBER	JAN OR NAVY TYPE DESIGNATION	STANDARD NAVY STOCK NUMBER		NUFAC- IRERS DESIG.	TELETYPE PART NO.	ALL SYMBOL DESIGNATIONS INVOLVED	TOTAL NO.	BOX D	NYO	ST X OS	DCK.
/-13 06	WIRE ROPE: 3/64" diam; braided; approx 20-11/16" lg o/a; 1/4" diam eye term at ea end	Advances printing carriage mechanism by A-1303 and advances type box by 0-1705 N5815-370-1113		N17-T 350014- 0835	СТТ	150225	150225	W-1306	1	1	1		0.
-1307	WIRE ROPE: 3/64" diam; braided; approx 60-5/8" lg o/a; 1/4" diam eye term at ea end	Tension cable between 0-1715 and 0-1722 N5815-370-1116		N17-T 350014- 0838	CTT	150712	150712	W-1307	1	1	1.		
′-260	CABLE ASSEMBLY, special purpose: plastic ins, lacquered cotton braid covered; 4 cond #26 AWG stranded copper, 2 cond #18 AWG stranded copper; cond bound w/#6 lacing twine and wrapped w/black plastic tape approx 18-1/4" lg o/a; 2 leads terminated by Teletype #82474 terminals, all other leads skinned and twisted, 2 are tinned; color coded	Connects J-101 with TB-101 and S-102 (TT-171/UG only)		''Shop Manufac- ture''	СТТ	153110	153110	W -2601	1	0	0		
		SYMBOL DESIGNATION X	E-751 USED O	CY-870/U	G A1	D CY-8	71/UG CA	BINETS					
E-751	LAMPHOLDER: candelabra bayonet type; steel shell body; 110 v; approx 15/16" h x 5/8" wd x 1" lg o/a, 5/8" diam socket; mts by elongated slot in bracket; mtg bracket w/body hole and mtg slot located parallel to socket; 2 wire leads 3-3/4" lg	Socket for E-751 N6250-299-5749		N17- L 051706- 8201	CAY	Z 12-71	151540	XE-751, XE-752	2	0	0		
E-752	Same as XE-751	Socket for E-752											
F- 101	HOLDER, fuse: extractor post type; for single 1/4" diam x 1-1/4" lg cartridge fuse; bakelite body; 15 amp; 2-1/8" lg x 5/8" diam o/a; mts by 1/2" x 20 threaded shoulder w/nut and rubber washer; 2 solder lug term	Holder for F-1101 N5920-156-9233		N17-F 074267 5075	CFA	нкр	116783	XF-1101, XF-1102	2	0	0	-	
KF- 1102	Same as XF-1101	Holder for F-1102											
		SYMBOL DESIGNATION X	I-751 USED OI	N CY-870/U	GAN	D CY-8	71/UG CAI I	BINETS	ŀ	ļ			
Π- 51	LAMPHOLDER: candelabra bayonet; steel shell body; 110v; approx 15/16" h x 5/8" wd x 1" lg o/a, 5/8" diam socket; mts by elongated slot in bracket; mtg bracket located parallel to socket; CAYZ #12-71 socket w/2 3-3/4" lg cond spliced to approx 29-1/4" lg 2 cond cable w/2 CTT #151626 terms soldered on end	Holder for and connects I-751 with TB-752 N6250-295-1387		N17-T 350014- 0770		151535	151535	XI-751	1	0	,0		

1	SUPPRESSOR, electrical noise: choke coil and capacitor; approx 3-7/8" lg x 1-1/2" wd x 1-1/8" h o/a dim of case incl capacitors, 1-1/4 amps; 600 v DC; rectangular metal case; mts by 2 #6-40 tapped holes 2-3/8" c to c in bracket soldered to case; 3 solder lug terms inside case; 2 cond cable enclosed in copper tubing, irregularly formed, soldered together five places and to one end of case near figures "l" and "2" stamped in case, cable 7-5/8" lg o/a, two Erie #362 feed through capacitors covered, w/bakelite caps on same end of case as cable	Signal line radio interference suppressor N5815-370-1188		N17-T 350014- 0911	CTT	151369	151369	Z-101	1	C	0	
Z-601	SUPPRESSOR, electrical noise: coil and capacitor; approx 2-3/16" lg x 2-3/16" wd incl terms x 1-1/4" h o/a; 1-1/4 amp, 150v AC; rectangular metal case; five solder lug terms; hermetically sealed	Radio interference suppressor for series metor N5815-370-1215		350014- 0943		152055	152055	Z-601	1	(0	
1		SYMBOL DESIGNATIONS Z-7	191 WND 7-197		1	- 1						
Z-751	SUPRESSOR, electrical noise: capacitor and coil; approx 5-13/16" lg x 2-1/4" wd x 1-5/8" h o/a dimen of case incl mtg bracket; 2.5 amp, 150v AC; rectangular metal case; two 3/16" diam holes in mtg brackets, 5-1/4" c to c; 2 screw terms; 7/8" diam hole in bottom of case, 2 cond cable 36" lg terminated w/CTT #151626 term	Power radio interference suppressor N5815-370-1182		N17-T 350014- 0905	CTT	151989	151989	Z-751, Z-752	2	2 (0	
Z-752	Same as Z-751	Line radio interference suppressor										

NAVSHIPS 91713

JAN DESIGNATION	KEY SYMBOL	STANDARD NAVY STOCK NUMBER	KEY SYMBOL	STANDARD NAVY STOCK NUMBER	KEY SYMBOL	STANDARD NAVY STOCK NUMBER	KEY SYMBOI
ST13A	S-751	N17-T350005-0776	H-168	N17-T350013-0206	H-1694	N18-T350013-0761	O-1541
ST23N	S-1101	N17-T350005-0822	O-370	N17-T350013-0209	H-1415	N17-T350013-0762	O-1537
		N17-T350005-0830	O-2088	N17-T350013-0243	H-322	N17-T350013-0764	O-1114
		N17-T350005-0966	н-606	N17-T350013-0301	H-158	N17-T350013-0789	H-1513
		N17-T350006-0297	H-795	N17-T350013-0359	H-128	N17-T350013-0791	O-214
Standard Navy	Key	N17-T350006-0300	H-1329	N17-T350013-0388	H-127	N17-T350013-0792	H-129
Stock Number	Symbol	N17-T350006-0301	O-285	N17-T350013-0578	A-1358	N17-T350013-0794	O-124
G7510-191-6038	0-1393	N17-T350006-0310	O-261	N17-T350013-0579	O-2096	N17-T350013-0795	O-124 O-401
G6240-797-4370	E-751	N17-T350006-0313	O-1304	N17-T350013-0582	O-2162	N17-T350013-0797	I
G3110-144-8990	0-504	N17-T350006-0330	O-372	N17-T350013-0584	E-1302		H-330
G3110-155-9645	0-254	N17-T350006-0358	O-1119	N17-T350013-0585	O-2155	N17-T350013-0798	H-206
G3110-100-6176	0-288	N17-T350006-0362	O-281	N17-T350013-0587	O-2043	N17-T350013-0799	H-337
N16-C019925-1001	C-501	N17-T350006-0302	O-146	N17-T350013-0588	E-1301	N17-T350013-0802	H-601
N16-C047329-8532	C-603	1				N17-T350013-0803	O-604
N16-C301927-0918	H-514	N17-T350006-0396	O-134	N17-T350013-0589	A-1348	N17-T350013-0806	C-601
		N17-T350006-0398	O-151	N17-T350013-0590	O-2159	N17-T350013-0808	O-501
N16-K700178-0266	E-760	N17-T350006-0401	O-2105	N17-T350013-0591	O-1667	N17-T360013-0810	O-1801
N16-R065845-4366	R-1101	N17-T350006-0406	O-147	N17-T350013-0594	O-2129	N17-T350013-0811	O-1845
N17-B077937-4692	TB-751	N17-T350006-0407	O-126	N17-T350013-0595	O-1422	N17-T350013-0812	O-1803
N17-C073137-1875	J-1101	N17-T350006-0446	O-1732	N17-T350013-0596	O-1653	N17-T350013-0813	O-341
N17-C780767-0838	H-815	N17-T350006-0455	O-777	N17-T350013-0598	O-1695	N17-T350013-0815	O-1326
N17-C780913-0901	H-2616	N17-T350006-0465	O-1113	N17-T350013-0599	O-1692	N17-T350013-0816	O-1835
N17-C781108-0951	H-1120	N17-T350006-0478	O-1629	N17-T350013-0600	O-1697	N17-T350013-0817	O-1881
N17-C781534-0216	H-1146	N17-T350006-0485	O-1939	N17-T350013-0601	O-1645	N17-T350013-0818	O-1807
N17-E039047-4401	O-502	N17-T350006-0500	O-1518	N17-T350013-0603	E-759	N17-T350013-0819	O-1823
N17-E039047-4501	O-602	*N17-T350006-0523	O-281	N17-T350013-0606	O-1389	N17-T350013-0820	O-1804
N17-F014327-0030	F~1101	N17-T350006-0523	O-381	N17-T350013-0607	O-2100	N17-T350013-0821	O-1822
N17-F074267-5075	XF-1101	N17-T350006-0529	O-1616	N17-T350013-0608	O-2058	N17-T350013-0822	O-1946
N17-H071773-1911	H-607	N17 -T350006-0540	O-2109	N17-T350013-0614	H-412	N17-T350013-0823	O-1947
N17-L051706-8201	XE-751	N17-T350006-0542	O-1376	N17-T350013-0616	O-1647	N17- T350013-0824	O-1948
N17-M075164-2706	A-752	N17-T350006-0578	O-1687	N17-T350013-0617	O-2069	N17-T350013-0825	O-1949
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N17-M075322-4551	A-753	N17-T350006-0701	O-325	N17-T350013-0624	H-269	N17-T350013-0827	O-1967
N17-R064362-8037	K-1101	N17-T350006-0703	H-762	N17-T350013-0625	O-1735	N17-T350013-0828	O-1968
N17-S046657-8041	O-1655	N17-T350006-0711	O-1388	N17-T350013-0626	O-326	N17-T350013-0829	O-1969
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N17-S046718-7051	O-397	N17-T350006-0840	H-784	N17-T350013-0629	O-1395	N17-T350013-0832	O-1971
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N17-S069146-1843	S-101	N17-T350006-0899	I-752	N17-T350013-0677	H-290	N17-T350013-0834	O-1974
N17-S069452-7985	S-101 S-1104	N17-T350006-0929	H-807	N17-T350013-0678	H-284	N17-T350013-0835	O-1975
N17-S070777-8601	S-751	1		N17-T350013-0679	O-314	N17-T350013-0836	O-1976
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N17-S074139-4844	S-1102 S-1101	N17-T350007-0458	O-154			N17-T350013-0838	O-1978
N17-T350001-0122		N17-T350007-0565	O-1421	N17-T350013-0681	A-126	N17-T350013-0839	O-1979
	H-413	N17-T350007-0582	H-765	N17-T350013-0682	O-253	N17-T350013-0840	O-1980
N17-T350001-0128	H-604	N17-T350007-0593	O-503	N17-T350013-0686	O-121	N17-T350013-0841	O-1981
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N17-T350001-0141	H-805	N17-T350008-0103	O-1719	N17-T350013-0688	O-120	N17-T350013-0843	O-1983
N17-T350001-0159	H-761	N17-T350008-0110	H-1496	N17-T350013-0689	O-123	N17-T350013-0844	O-1984

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N17-T350001-0164	H-212	N17-T350008-0718	H-1162	N17-T350013-0691	O-130	NIE MOEOOIO 004E	1 0 1005
N17-T350001-0165	H-764	N17-T350009-0576	H-1102 H-378	N17-T350013-0692	O-130 O-125	N17-T350013-0845	O-1985
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N17-T350001-0890	O-1717	N17-T350010-0533	H-1325	N17-T350013-0706	O-286	N17-T350013-0854	O-1993
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N17-T350001-0303	H-752	N17-T350012-0231	H-295	N17-T350013-0708	A-103	N17-T350013-0856	O-1995
N17-T350002-0237	H-1458	N17-T350012-0310	H-315	N17-T350013-0709	H-104	N17-T350013-0857	A-1349
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N17-T350003-0233	H-331	N17-T350012-0487	H-130 H-343	N17-T350013-0713 N17-T350013-0714	O-145 A-138	N17-T350013-0861	O-1953
N17-T350003-0322	O-1319	N17-T350012-0407	H-1664	N17-T350013-0715	A-139	N17-T350013-0862	O-1954
N17-T350003-0326	O-1305	N17-T350012-0544	H-382	N17-T350013-0718	O-152	N17-T350013-0863 N17-T350013-0864	O-1955
N17-T350003-0368	H-804	N17-T350012-0623	E-612	N17-T350013-0710	A-1108	N17-T350013-0865	O-1956 O-1957
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N17-T350005-0535	H-148	N17-T350012-0991	H-1171	N17-T350013-0738	O-1488	N17-T350013-0897	O-322
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N17-T350005-0565	H-505	N17-T350013-0120	H-1374	N17-T350013-0740	H-1640	N17-T350013-0899	O-1923
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N17-T350005-0722	H-311	N17-T350013-0124	H-438	N17-T350013-0744	H-1312	N17-T350013-0905	O-1619
N17-T350005-0725	H-439	N17-T350013-0133	H-796	N17-T350013-0745	O-1316	N17-T350013-0906	O-1583
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N17-T350005-0732	H-436	N17-T350013-0155	H-411	N17-T350013-0747	H-233	N17-T350013-0910	H-1969
N17-T350005-0735	H-702	N17-T350013-0165	H-506	N17-T350013-0748	O-1718	N17-T350013-0911	O-1624
N17-T350005-0740	H-316	N17-T350013-0169	H-125	N17-T350013-0750	O-1601	N17-T350013-0912	O-1669
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N17-T350005-0753	H763	N17-T350013-0181	H-1122	N17-T350013-0752	H-1555	N17-T350013-0914	O-1641
N17-T350005-0754	H-513	N17-T350013-0188	H-149	N17-T350013-0753	H-265	N17-T350013-0915	O-1701
N17-T350005-0755	H-1545	B17-T350013-0192	H-308	N17-T350013-0754	H-242	N17-T350013-0916	O-1438
N17-T350005-0763	H-1406	N17-T350013-0195	H-1787	N17-T350013-0755	H-1697	N17-T350013-0917	O-1736
N17-T350005-0764	E-1109	N17-T350013-0200	H-2030	N17-T350013-0756	H-192	N17-T350013-0921	E-1303
N17-T350005-0771	H-1799	N17-T350013-0202	H-136	N17-T350013-0759	H-351	N17-T350013-0922	O-1700
* Indicates the "for re	nlacement use	" stock number.		· · · · · · · · · · · · · · · · · · ·	·		

^{*} Indicates the "for replacement use" stock number.

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STANDARD NAVY STOCK NUMBER	KEY SYMBOL	STANDARD NAVY STOCK NUMBER	KEY SYMBOL	STANDARD NAVY STOCK NUMBER	KEY SYMBOL	STANDARD NAVY STOCK NUMBER	KEY SYMBOL
N17-T350013-0924	O-1666	N17-T350014-0174	O-220	N17-T350014-0338	O-2112	N17-T350014-0481	A-141
N17-T350013-0926	O-1938	N17-T350014-0175	O-221	N17-T350014-0339	O-1824	N17-T350014-0482	E-113
N17-T350013-0927	O-1716	N17-T350014-0176	O-222	N17-T350014-0340	O-1383	N17-T350014-0483	A-140
N17-T350013-0929	H-2037	N17-T350014-0177	O-223	N17-T350014-0343	O-1387	N17-T350014-0484	E-111
N17-T350013-0930	O-2034	N17-T350014-0178	O-225	N17-T350014-0350	O-1437	N17-T350014-0485	O-383
N17-T350013-0931	O-2035	N17-T350014-0179	O-226	N17-T350014-0353	E-101	N17-T350014-0486	H-440
N17-T350013-0933	O-1862	N17-T350014-0180	O-227	N17-T350014-0354	O-2158	N17-T350014-0487	A-111
N17-T350013-0934	O-2039	N17-T350014-0181	O-228	N17-T350014-0355	O-1639	N17-T350014-0489	O-389
N17-T350013-0935	H-1657	N17-T350014-0182	O-229	N17-T350014-0356	H-1556	N17-T350014-0491	A-122
N17-T350013-0936	O-1626	N17-T350014-0183	O-230	N17-T350014-0359	O-1640	N17-T350014-0491	O-402
N17-T350013-0937	O-1670	N17-T350014-0184	O-231	N17-T350014-0360	O-1543	N17-T350014-0493	O-347
N17-T350013-0938	O-1668	N17-T350014-0185	O-232	N17-T350014-0362	H-2140	N17-T350014-0494	O-1506
N17-T350013-0941	H-1668	N17-T350014-0186	O-233	N17-T350014-0364	B-603	II.	
N17-T350013-0942	O-1676	N17-T350014-0187	O-234	N17-T350014-0365	O-2030	N17-T350014-0513	O-1311
N17-T350013-0942	H-1700	N17-T350014-0188	O-2044	N17-T350014-0366	O-336	N17-T350014-0514	H-1147
N17-T350013-0944	H-1669	N17-T350014-0189	O-2042			N17-T350014-0515	O-601
	O-2033		O-2042 O-2033	N17-T350014-0367	H-1540	N17-T350014-0527	O-1302
N17-T350013-0945 N17-T350013-0946	O-2038	N17-T350014-0190	O-2033 O-2040	N17-T350014-0368	A-1384	N17-T350014-0528	O-1565
	1	N17-T350014-0191		N17-T350014-0369	O-1829	N17-T350014-0530	O-1367
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N17-T350013-0948	O-1648	N17-T350014-0197	E-1306	N17-T350014-0372	E-615	N17-T350014-0532	H-2194
N17-T350013-0949	O-1649	N17-T350014-0198	E-1305	N17-T350014-0373	O-614	N17-T350014-0533	O-1932
N17-T350013-0950	O-1646	N17-T350014-0199	E-1304	N17-T350014-0374	E-611	N17-T350014-0534	O-2065
N17-T350013-0951	O-1597	N17-T350014-0201	O-1553	N17-T350014-0375	H-659	N17-T350014-0535	O-1386
N17-T350013-0952	H-1582	N17-T350014-0203	O-1587	N17-T350014-0376	A-618	N17-T350014-0536	H-1542
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N17-T350013-0955	H-1614	N17-T350014-0207	O-1843	N17-T350014-0379	Н-669	N17-T350014-0541	H-1569
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N17-T350013-0957	H-1610	N17-T350014-0209	A-1392	N17-T350014-0381	H-671	N17-T350014-0552	O-2049
N17-T350013-0961	O-2036	N17-T350014-0210	A-1390	N17-T350014-3082	O-606	N17-T350014-0553	O-1628
N17-T350013-0962	O-1675	N17-T350014-0211	H-1433	N17-T350014-0383	A-617	N17-T350014-0554	O-1589
N17-T350013-0963	A-1303	N17-T350014-0213	H-1407	N17-T350014-0384	A-620	N17-T350014-0557	O-2125
N17-T350013-0966	O-1879	N17-T350014-0214	O-1362	N17-T350014-0385	O-605	N17-T350014-0558	O-1833
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N17-T350013-0968	O-1721	N17-T350014-0216	O-1361	N17-T350014-0395	н-789	N17-T350014-0560	O-1762
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N17-T350013-0972	O-2138	N17-T350014-0227	O-2045	N17-T350014-0398	O-292	N17-T350014-0565	O-153
N17-T350013-0973	H-2153	N17-T350014-0228	O-235	N17-T350014-0400	O-132	N17-T350014-0568	O-387
N17-T350013-0974	O-2137	N17-T350014-0229	O-236	N17-T350014-0401	O-367	N17-T350014-0569	O-386
N17-T350013-0975	O-2134	N17-T350014-0230	O-237	N17-T350014÷0402	O-369	N17-T350014-0572	O-315
N17-T350013-0976	O-2141	N17-T350014-0232	O-1442	N17-T350014-0404	O-156	N17-T350014-0573	O-373
N17-T350013-0977	A-1385	N17-T350014-0233	O-1350	N17-T350014-0405	O-150	N17-T350014-0574	A-113
N17-T350013-0978	O-2127	N17-T350014-0235	O-1340	N17-T350014-0407	H-186	N17-T350014-0576	A-137
N17-T350013-0980	O-1554	N17-T350014-0236	O-i703	N17-T350014-0408	O-371	N17-T350014-0577	O-375
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N17-T350013-0989	O-1369	N17-T350014-0238	O-2050	N17-T350014-0410	H-342	N17-T350014-0580	O-316
N17-T350013-0996	H-2034	N17-T350014-2040	A-1347	N17-T350014-0411	H-319	N17-T350014-0581	H-326
N17-T350014-0101	O-248	N17-T350014-0241	O-1538	N17-T350014-0413	O-133	N17-T350014-0582	O-321
N17-T350014-0102	O-247	N17-T350014-0242	H-117	N17-T350014-0414	O-294	N17-T350014-0583	O-382

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N17-T350014-0103	O-246	N17-T350014-0244	H-808	N17-T350014-0415	O-376	N17-T350014-0585	A-102
N17-T350014-0104	O-245	N17-T350014-0245	O-1103	N17-T350014-0417	O-390	N17-T350014-0586	0-776
N17-T350014-0105	O-244	N17-T350014-0246	O-1104	N17-T350014-0418	H-324	N17-T350014-0587	O-752
N17-T350014-0106	O-243	N17-T350014-0247	A-1101	N17-T350014-0419	H-426	N17-T350014-5090	H-113
N17-T350014-0107	O-242	N17-T350014-0248	O-251	N17-T350014-0420	H-398	N17-T350014-0591	H-270
N17-T350014-0108	O-241	N17-T350014-0249	O-250	N17-T350014-0421	H-313	N17-T350014-0592	H-623
N17-T350014-0109	O-240	N17-T350014-0250	O-249	N17-T350014-0422	H-377	N17-T350014-0593	H-107
N17-T350014-0110	O-239	N17-T350014-0251	O-224	N17-T350014-0423	H-431	N17-T350014-0594	H-119
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N17-T350014-0114	O-2142	N17-T350014-0255	O-1638	N17-T350014-0428	O-280	N17-T350014-0600	H-226
N17-T350014-0115	O-1844	N17-T350014-0257	A-1306	N17-T350014-0429	0-174	N17-T350014-0601	H-1552
N17-T350014-0116	H-174	N17-T350014-0261	O-2048	N17-T350014-0430	O-1519	N17-T350014-0602	H-221
N17-T350014-0121	H-1968	N17-T350014-0262	O-1691	N17-T350014-0431	O-157	N17-T350014-0603	H-224
N17-T350014-0122	O-1909	N17-T350014-0266	O-1694	N17-T350014-0432	O-293	N17-T350014-0604	H-227
N17-T350014-0124	O-1908	N17-T350014-0271	O-1581	N17-T350014-0433	O-335	N17-T350014-0605	O-338
N17-T350014-0125	O-1912	N17-T350014-0272	O-1586	N17-T350014-0435	O-399	N17-T350014-0606	O-1828
N17-T350014-0127	H-1315	M17-T350014-0274	H-2093	N17-T350014-0436	O-318	N17-T350014-0607	O-339
N17-T350014-0128	A-1301	N17-T350014-0279	O-1720	N17-T350014-0437	O-328	N17-T350014-0608	0-337
N17-T350014-0129	H-1576	N17-T350014-0281	H-1706	N17-T350014-0438	O-352	N17-T350014-0609	O-1827
N17-T350014-0130	A-1304	N17-T350014-0283	O-2133	N17-T350014-0439	O-268	N17-T350014-0610	O-1848
N17-T350014-0131	O-1806	N17-T350014-0284	O-2131	N17-T350014-0441	O-289	N17-T350014-0611	O-1830
N17-T350014-0133	O-1613	N17-T350014-0285	O-1672	N17-T350014-0442	H-281	N17-T350014-0612	O-1851
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N17-T350014-0136	O-1625	N17-T350014-0287	O-1674	N17-T350014-0444	H-216	N17-T350014-0614	H-1112
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N17-T350014-0138	O-1569	N17-T350014-0289	O-2124	N17-T350014-0446	O-133 O-144	N17-T350014-0617	A-1302
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N17-T350014-0140	H-1718	N17-T350014-0294	A-1371	N17-T350014-0448	O-143 O-142	N17-T350014-0623	O-1390
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N17-T350014-0143	O-1633	N17-T350014-0298	O-1715 O-1826	N17-T350014-0451	H-179	N17-T350014-0626	H-2029
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N17-T350014-0145	O-1725	N17-T350014-0299	O-1727	N17-T350014-0457	O-136	N17-T350014-0628	O-1413
N17-T350014-0146	O-1591	N17-T350014-0313 N17-T350014-0314	O-607 E-604	N17-T350014-0457	H-387	N17-T350014-0630	O-1730
N17-T350014-0147	O-1637				O-319	N17-T350014-0631	O-1740
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N17-T350014-0149	O-1564 O-1671	N17-T350014-0317	A-602	N17-T350014-0464	O-274	N17-T350014-0634	O-1734
N17-T350014-0153	O-1671 O-1409-	N17-T350014-0318	O-1745	N17-T350014-0465	O-275	N17-T350014-0636	O-1771
N17-T350014-0154	O-1366	N17-T350014-0319	O-1941	N17-T350014-0466	O-264	N17-T350014-0638	O-1749
N17-T350014-0154 N17-T350014-0158	A-1305	N17-T350014-0320	O-2093	N17-T350014-0467	O-267	N17-T350014-0639	O-2018
N17-T350014-0160	O-1363	N17 - T350014-0323	O-2156	N17-T350014-0468	O-269	N17-T350014-0640	H-1885
N17-T350014-0161		N17-T350014-0324	O-2160	N17-T350014-0469	O-270	N17-T350014-0641	O-2017
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	O-1439	N17-T350014-0326	O-2068	N17-T350014-0471	H-380	N17-T350014-0643	A-1372
N17-T350014-0167	O-1861	N17-T350014-0328	H-1693	N17-T350014-0472	H-106	N17-T350014-0644	O-2006
N17-T350014-0168	O-388	N17-T350014-0329	O-2070	N17-T350014-0475	O-349	N17-T350014-0645	O-1933
N17-T350014-0169	O-219	N17-T350014-0330	H-2024	N17-T350014-0476	H-202	N17-T350014-0646	O-1441
N17-T350014-0170	O-215	N17-T350014-0332	O-1314	N17-T350014-0477	E-110	N17-T350014-0649	O-2009
N17-T350014-0171	O-216	N17-T350014-0335	O-1699	N17-T350014-0478	E-109	N17-T350014-0650	O-1929
N17-T350014-0172	O-217	N17-T350014-0336	O-1682	N17-T350014-0479	O-384	N17-T350014-0651	O-2095
N17-T350014-0173	O-218	N17 T350014-0337	O-1690	N17-T350014-0480	E-112	N17-T350014-0652	H-1952
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STANDARD NAVY STOCK NUMBER	KEY SYMBOL	STANDARD NAVY STOCK NUMBER	KEY SYMBOL	STANDARD NAVY STOCK NUMBER	KEY SYMBÔL	STANDARD NAVY STOCK NUMBER	KEY SYMBOL
N17-T350014-0653	O-1911	N17-T350014-0887	H-417	N17-T350015-0327	O-1511	N17-T350015-0588	I-1301
N17-T350014-0654	O-1919	N17-T350014-0888	O-1517	N17-T350015-0328	O-1498	N17-T350015-0589	A-1370
N17-T350014-0655	O-2002	N17-T350014-0889	H-1824	N17-T350015-0329	O-1501	N17-T350015-0590	O-1689
N17-T350014-0656	O-1920	N17-T350014-0890	H-176	N17-T350015-0330	O-1520	N17-T350015-0591	O-2011
N17-T350014-0657	O-1863	N17-T350014-0891	H-518	N17-T350015-0331	A-1330	N17-T350015-0592	A-1346
N17-T350014-0658	O-2116	N17-T350014-0896	H-770	N17-T350015-0332	E-1310	N17-T350015-0593	H-1972
N17-T350014-0659	H-1930	N17-T350014-0897	W-751	N17-T350015-0333	H-1498	N17-T350015-0594	O-1392
N17-T350014-0660	O-1998	N17-T350014-0898	O-751	N17-T350015-0334	O-1497	N17-T350015-0595	A-1309
N17-T350014-0661	O-1918	N17-T350014-0899	A-751	N17-T350015-0335	A-1334	N17-T350015-0596	O-1818
N17-T350014-0662	O-2064	N17-T350014-0999 N17-T350014-0900	O-1487	N17-T350015-0336	O-1494	N17-T350015-0597	O-1816 O-1384
N17-T350014-0663	O-2004 O-2115			N17-T350015-0337	O-1496	N17-T350015-0598	H-1971
N17-T350014-0664	H-1975	N17-T350014-0901	O-327	N17-T350015-0338	O-1521		
		N17-T350014-0902	H-766			N17-T350015-0599	A-1373
N17-T350014-0666	H-1988 O-1936	N17-T350014-0905	Z-751	N17-T350015-0339	O-1492	N17-T350015-0600	O-1341
N17-T350014-0667		N17-T350014-0906	T-751	N17-T350015-0340	H-1497	N17-T350015-0601	O-1931
N17-T350014-0668	O-2012	N17-T350014-0907	H-437	N17-T350015-0341	O-1493	N17-T350015-0603	A-124
N17-T350014-0669	O-1937	N17-T350014-0910	H-1964	N17-T350015-0342	O-1791	N17-T350015-0604	O-287
N17-T350014-0670	O-2053	N17-T350014-0911	Z-101	N17-T350015-0343	O-1819	N17-T350015-0605	H-276
N17-T350014-0672	O-1928	N17-T350014-0913	O-1944	N17-T350015-0344	H-1845	N17-T350015-0606	H-280
N17-T350014-0673	O-1935	N17-T350014-0914	E-601	N17-T350015-0345	H-1711	N17-T350015-0607	O-149
N17-T350014-0675	O-2007	N17-T350014-0922	H-785	N17-T350015-0346	O-1685	N17-T350015-0608	O-272
N17-T350014-0676	H-1939	N17-T350014-0924	H-1663	N17-T350015-0347	A-1360	N17-T350015-0609	A-121
N17-T350014-0677	O-1761	N17-T350014-0925	H-1370	N17-T350015-0348	A-1361	N17-T350015-0610	O-278
N17-T350014-0679	O-2099	N17-T350014-0926	O-340	N17-T350015-0349	O-1683	N17-T350015-0611	O-2052
N17-T350014-0681	O-1617	N17-T350014-0927	O-1831	N17-T350015-0350	O-2108	N17-T350015-0612	O-2057
N17-T350014-0682	O-1842	N17-T350014-0929	H-102	N17-T350015-0351	O-2113	N17-T350015-0613	O-1905
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N17-T350014-0686	O-1737	N17-T350014-0941	A-607	N17-T350015-0354	A-1311	N17-T350015-0620	A-127
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N17-T350014-0691	O-1562	N17-T350014-0944	A-608	N17-T350015-0357	O-1373	N17-T350015-0656	H-253
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N17~T350014-0703	O-2029	N17=T350014-0963	E-104	N17-T350015-0361	O-1588	N17-T350015-0659	O-284
N17-T350014-0704	O-2157	N17-T350014-0978	O-324	N17-T350015-0362	H-1872	N17-T350015-0660	O-279
N17-T350014-0710	O-252	N17-T350014-0979	H-333	N17-T350015-0363	O-2118	N17-T350015-0661	A-1374
N17-T350014-0712	A-112	N17-T350014-0980	A-502	N17-T350015-0364	O-1471	N17-T350015-0662	A-1375
N17-T350014-0720	O-273	N17-T350014-0981	H-517	N17-T350015-0366	O-1342	N17-T350015-0663	A-1389
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V17-T350014-0748	O-343	N17-T350014-0991	O-2102	N17-T350015-0372	O-1566	N17-T350015-0667	O-295
V17-T350014-0749	O-342	N17-T350014-0391	O-2094	N17-T350015-0373	O-1572	N17-T350015-0715	O-1485
N17-T350014-0750	O-1323	N17-T350014-0993	E-1311	N17-T350015-0374	A-1308	N17-T350015-0716	H-1573
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N17-T350014-0757	E-753	N17-T350014-0996	O-1489			M11-1350013-0120	п-110
411-1990014-0191	E-100	N17-T350014-0998	A-612	N17-T350015-0378	O-1539	1	I

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N17-T350014-0758	A-754	N17-T350015-0102	B-502	N17-T350015-0379	O-1540	N17-T350015-0721	H-115
N17-T350014-0759	O-755	N17-T350015-0103	E-1308	N17-T350015-0380	O-1722	N17-T350015-0722	E-103
N17-T350014-0760	O-754	N17-T350015-0104	H-1416	N17-T350015-0381	O-1728	N17-T350015-0723	O-1746
N17-T350014-0762	H-751	N17-T350015-0105	H-1866	N17-T350015-0382	O-1723	N17-T350015-0724	A-1355
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N17-T350014-0765	H-759	N17-T350015-0109	A-1332	N17-T350015-0385	O-1650	N17-T350015-0808	H-1420
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N17-T350014-0770	XI-751	N17-T350015-0112	W-501	N17-T350015-0388	O-1600	N17-T350015-0872	B-601
N17-T350014-0771	O-766	N17-T350015-0113	R-601	N17-T350015-0389	O-1370	N17-T350015-0873	B-501
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N17-T350014-0774	O-767	N17-T350015-0121	O-2120	N17-T350015-0393	A-1322	N17-T350015-0875	P-1102
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N17-T350014-0782	A-702	N17-T350015-0261	H-640	N17-T350015-0399	A-1312	N17-T350015-0897	W-1101 H-1155
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N17-T350014-0785	H-353	N17-T350015-0264	A-1356	N17-T350015-0402	H-1389	N17-T350015-0899	O-166
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N17-T350014-0833	O-1306	N17-T350015-0266	A-1325	N17-T350015-0405	A-1323	N17-T350015-0907	E-622
N17-T350014-0834	H-1605	N17-T350015-0267	A-1324	N17-T350015-0406	O-1468	N17-T350015-0933	O-1623
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N17-T350014-0836	O-1634	N17-T350015-0269	O-1456	N17-T350015-0408	O-1440 O-1467	N17-T350016-0107	O-265
N17-T350014-0837	O-2016	N17-T350015-0270	O-1423	N17-T350015-0409	O-1555	N17-T350016-0108	O-266
N17-T350014-0838	W-1307	N17-T350015-0270	A-1321	N17-T350015-0410	O-1546	N17-T350016-0109 N17-T350016-0110	O-159 O-1611
N17-T350014-0839	O-1592	N17-T350015-0272	O-1445	N17-T350015-0411	O-1426	N17-T350016-0110	H-406
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N17-T350014-0842	O-1726	N17-T350015-0309	O-138	N17-T350015-0414	O-1434	N17-T350016-0114	O-1379 O-1416
N17-T350014-0843	O-2106	N17-T350015-0310	O-173	N17-T350015-0415	O-1431	N17-T350016-0114	O-1380
N17-T350014-0844	O-2107	N17-T350015-0311	O-175	N17-T350015-0416	O-1425	N17-T350016-0116	O-1300 O-1415
N17-T350014-0845	O-1686	N17-T350015-0312	O-210	N17-T350015-0417	O-1428	N17-T350016-0117	A-1313
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N17-T350014-0853	O-1324-	N17-T350015-0315	O-208	N17-T350015-0423	H-787	N17-T350016-0149	O-2122
N17-T350014-0856	A-1105	N17-T350015-0316	H-150	N17-T350015-0424	O-1693	N17-T350016-0149	O-2122 O-1567
N17-T350014-0857	A-1104	N17-T350015-0317	H-155	N17-T350015-0425	O-377	N17-T350016-0151	O-1378
N17-T350014-0858	O-271	N17-T350015-0318	A-1338	N17-T350015-0426	E-603	N17-T350016-0151	A-117
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STOCK NUMBER	SYMBOL	STOCK NUMBER	SYMBOL	STOCK NUMBER	SYMBOL	STOCK NUMBER	SYMBOL
N17-T350016-0162 N17-T350016-0163 N17-T350016-0165 N17-T350016-0166 N17-T350016-0167 N17-T350016-0168 N17-T350016-0169 N17-T350016-0173 N17-T350016-0176 N17-T350016-0177 N17-T350016-0177 N17-T350016-0180 N17-T350016-0182 N17-T350016-0182 N17-T350016-0185 N17-T350016-0186 N17-T350016-0186 N17-T350016-0189 N17-T350016-0193 N17-T350016-0194 N17-T350016-0196 N17-T350016-0197 N17-T350016-0198 N17-T350016-0199 N17-T350016-0200 N17-T350016-0200 N17-T350016-0200 N17-T350016-0200	O-255 O-258 O-165 A-110 O-2154 O-1375 A-114 O-257 O-164 O-2513 O-2507 O-2512 O-2511 O-2526 O-2523 O-2515 O-2515 O-2516 O-2517 O-2514 O-2501 O-2526 O-2523 O-2516 O-2520 O-2520 O-2520 O-2520 O-2520	N17 - T350016 - 0202 N17 - T350016 - 0203 N17 - T350016 - 0204 N17 - T350016 - 0206 N17 - T350016 - 0208 N17 - T350016 - 0209 N17 - T350016 - 0292 N17 - T350016 - 0307 N17 - T350016 - 0312 N17 - T350016 - 0312 N17 - T350016 - 0319 N17 - T350016 - 0319 N17 - T350016 - 0319 N17 - T350016 - 0400 N17 - T350016 - 0401 N17 - T350016 - 0401 N17 - T350016 - 0451 N17 - T350016 - 0452 N17 - T350016 - 0452 N17 - T350016 - 0456 N17 - T350016 - 0456 N17 - T350016 - 0456 N17 - T350016 - 0612 *N17 - T350016 - 0612 *N17 - T350016 - 0724 N17 - T350016 - 0726 N17 - T350016 - 0726	O-2509 O-2505 O-2504 O-2520 O-2527 O-2524 O-2522 H-1495 O-2519 O-2518 A-135 A-132 O-1474 H-1864 H-1848 H-1478 E-501 O-1522 H-1672 O-1516 W-602 O-2529 O-1333 O-1343 O-353 O-1348 O-1336	N17-T350016-0727 N17-T350016-0728 N17-T350016-0729 N17-T350016-0754 N17-T350017-0490 N17-T350017-0506 N17-T350017-0506 N17-T350017-0551 N17-T350017-0544 N17-T350017-0544 N17-T350017-0554 N17-T350017-0554 N17-T350017-0556 N17-T350017-0556 N17-T350017-0581 N17-T350017-0581 N17-T350017-0588 N17-T350017-0589 N17-T350017-0589 N17-T350017-0590 N17-T350017-0595 N17-T350017-0598 N17-T350017-0699 N17-T350017-0609 N17-T350017-0609 N17-T350017-0663	O-1469 A-115 O-615 O-617 O-1339 A-2603 O-276 O-277 H-2040 O-1713 O-1710 A-1363 O-1709 O-1707 O-1708 O-1711 O-1610 A-120 O-1607 O-1604 E-1113 O-2089 O-1608 L-1101 O-1606 H-381 A-1314	N17-T350017-0664 N17-T350017-0665 N17-T350017-0666 N17-T350017-0684 N17-T350017-0709 N42-R002047-0500 N42-R002047-0527 N42-S018030-0735 N43-N09600-0190 N43-N081013-1610 N43-S016452-0930 N43-S068788-0430 N43-S068828-1575 N43-S068889-0420 N43-S068828-1575 N43-S068889-0420 N43-W06807-160 N43-W06807-160 N43-W07527-0801 N43-W07527-0801 N43-W099500-0057 N45-C09161-250 R77B-0115-00619-2004 R77B-0993-54005-0000	H-1326 O-1329 O-2123 O-1385 O-1904 A-1380 H-246 H-1355 O-1605 H-772 H-299 H-321 H-509 H-415 H-503 H-683 H-685 H-151 H-605 H-1166 H-502 H-501 O-616 O-1817 O-333

TABLE 8-6. LIST OF MANUFACTURERS

PREFIX	NAME	ADDRESS
CG	General Electric Company	1 River Road, Schenectady 5, New York
CAE	Cutler Hammer, Inc.	1333 W. St. Paul Avenue, Milwaukee, Wisconsin
CAO	Ward Lenoard Company	6 South Street, Mount Vernon, New York
CFA	Bussman Manufacturing Company	2538 W. University Street, St. Louis, Missouri
CGM	General Motors Company	Detroit, Michigan
СНН	Arrow-Hart & Hegemen Electric Company	102 Hawthorn Street, Hartford, Connecticut
CHU	Harvey Hubbell, Incorporated	447 Concord Avenue, Bridgeport, Connecticut
ClE	Industrial Condenser Corporation	1725 W. North Avenue, Chicago 22, Illinois
CJC	Howard B. Jones	2300 W. Wabansia Avenue, Chicago, Illinois
CMG	Cinch Manufacturing Company	1026 S. Homan Avenue, Chicago, Illinois
CTD	Tobe-Deutschmann Corporation	921 Providence Highway, Norwood, Massachusetts
CTT	Teletype Corporation	1400 W. Wrightwood Avenue, Chicago 14, Illinois
CARE	Potter & Brumfield Manufacturing Company, Inc.	Princeton, Indiana
CATK	Acro Electric Company	1305 Superior Avenue, Cleveland, Ohio
CAXO	Shakeproof, Incorporated	2573 N. Keeler Avenue, Chicago, Illinois
CAYU	Barry Corporation	179 Sidney Street, Cambridge 39, Massachusetts
CAYZ	Dial Light Corporation	900 Broadway, New York, New York
	Appleton Electric Company	1713 W. Wellington Avenue, Chicago, Illinois
	Codo Manufacturing Company	509 S. Franklin Street, Chicago, Illinois
	Commercial Plastic Company	Room 1198, Merchandise Mart Plaza, Chicago, Illinois
	Davies Molding Company	1428 N. Wells Street, Chicago 10, Illinois
	Elastic Stop Nut Company	Union, New Jersey
	First Industrial Corporation	Freeport, Illinois
	Gits Brothers Manufacturing Company	1846 S. Kilbourn Avenue, Chicago 23, Illinois
	Norma-Hoffman	64 E. Jackson Boulevard, Chicago, Illinois
	Tinnerman Products	Box 6688, Cleveland, Ohio
	Torrington Company, The	Torrington, Connecticut
	Waldes Kohinoor, Incorporated	Long Island City 1, New York
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