

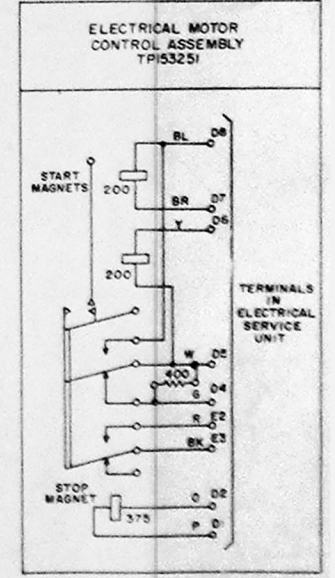
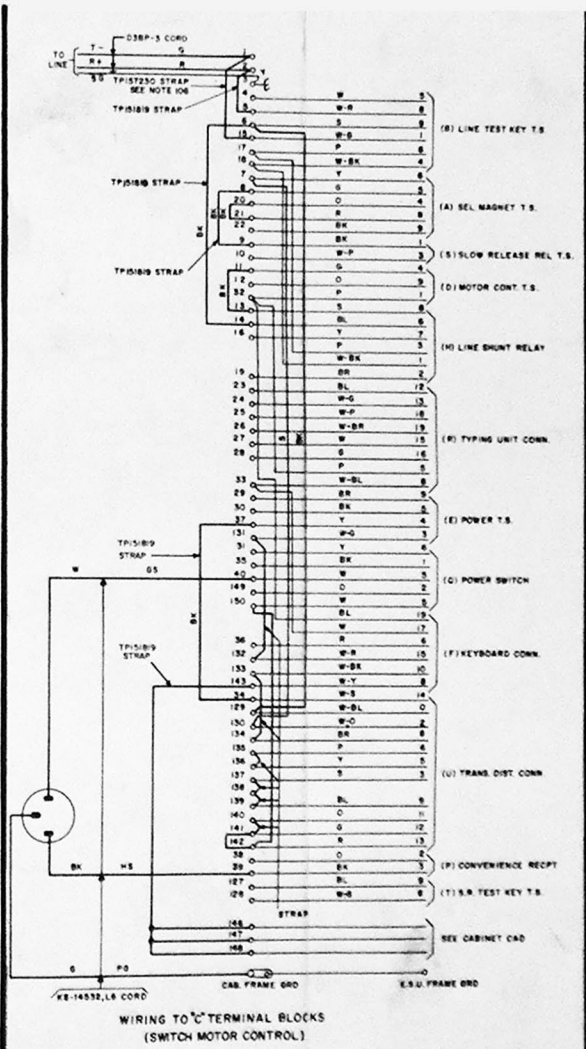
**FSI**

28ASR TTY  
SWITCH MOTOR CONTROL

WITH 28B PERFORATOR TRANSMITTER  
BASE AND 28H TRANSMITTER  
DISTRIBUTOR.

SEE NOTE 103

- SHEET NOTES:**
1. TERMINAL BLOCKS AND CONNECTORS IN TTY CABINET AND ELECTRICAL SERVICE UNIT.
  2. THE NUMBERS ENCASED BY PARENTHESES ARE USED FOR REFERENCE AND ARE NOT NECESSARILY SHOWN ON THE PARTS.
  3. USE BUSS MDX-6-1/4 AMP FUSETRON OR EQUIVALENT FOR STATION POWER.
  4. H AND M CONNECTORS ARE NOT USED WITH 28E TRANSMITTER DISTRIBUTOR.
  5. SWITCHES ARE SHOWN WITH TTY POWER OFF AND NO TAPE IN TRANSMITTER DISTRIBUTOR.
- DESIG. DESCRIPTION**
- A SELECTOR MAGNETS
  - B LINE TEST KEY (LT)
  - C CABINET
  - D MOTOR CONTROL
  - E POWER
  - F KEYBOARD CONNECTOR
  - G TYPING UNIT CONNECTOR
  - H SLOW RELEASE RELAY TERMINAL BLOCK
  - I SLOW RELEASE TEST KEY (SRT)
  - J TRANSMITTER DISTRIBUTOR (TD)
  - K KEYBOARD TERMINAL BLOCK
  - L LINE RELAY TERMINAL BLOCK
  - M LINE RELAY CONNECTOR BLOCK AND RESISTOR TERMINALS
  - N LINE RELAY FILTER TERMINALS



WESTERN ELECTRIC COMPANY, INC.  
TELEPHONE SALES DIVISION - EXCL. INST.  
ENGINEER OF SHOPS

TP581,000  
Book 4C  
Code W0700  
5-24-61  
Sheet 1 of 3  
Replacing Plan Dated 10-7-60

**WIRING PLAN**

28 TYPE AUTOMATIC SENDING - RECEIVING STATION - PRIVATE LINE SERVICE  
28 1/2 DUPLEX OPERATION - LINE RELAY - SWITCH OR ELECTRICAL MOTOR CONTROL - TYPING OR NON-TYPING PERFORATOR - SINGLE CONTACT TRANSMITTER DISTRIBUTOR - AC 60 CYCLES

REV.	
NO.	
SHOP	
ORDER	
NO.	

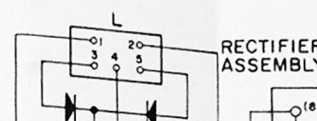
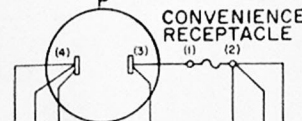
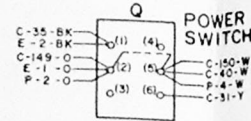
- NOTES:**
101. WIRE MAY SHALL LINE OUT ALL FIGURES NOT USED ON COPY OF WIRING PLAN WITH APPROPRIATE STATION.
  102. UNLESS OTHERWISE SPECIFIED ALL COLOR CODED INTERCONNECTING WIRE SHALL BE 22GA. BROWN, TYPE GS STATION WIRE PER A.C. & T. CO. SPEC. 7050.
  103. CHECK TO DETERMINE THAT THE "T" TERMINAL STRIP HAS THE FOLLOWING STRAPPING FOR 60 WEL. OPERATION - SWITCH MOTOR CONTROL:  

W-1215	W-1216	W-1217	W-1218	W-1219
W-1220	W-1221	W-1222	W-1223	W-1224
W-1225	W-1226	W-1227	W-1228	W-1229
W-1230	W-1231	W-1232	W-1233	W-1234
  104. ADDITIONAL MODIFICATION FOR 60 WEL. OPERATION  

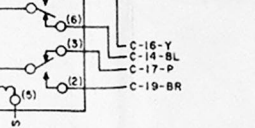
PROVIDE:	REMOVE:
J1-1 to J1-4	J1-1 to J1-2
	K1 to K2
  105. ADDITIONAL MODIFICATION FOR ELECTRICAL MOTOR CONTROL  

PROVIDE:	REMOVE:
C12-C15	D1-D2
C16-C18	D3-D4
C19-C21	D5-D6
D1-D2	D7-D8
  106. WHEN WAVE SHAPING SET IS REQUIRED PROVIDE OPTION "Y" AND OMIT STRAP FROM C1 TO C15.
  107. WAVE INDICATION OR FORM FEED OUT IS REQUIRED PROVIDE OPTION "Y" (STRAPS C23-C133 & C24-C134) AND OMIT OPTION "W" (C135-C136).
  108. WHEN PAPER FEED OUT SWITCH IS REQUIRED REMOVE MOTOR LEAD FROM A1 & CONNECT TO A15.

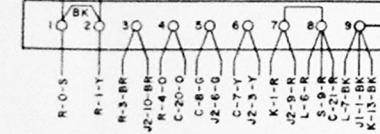
WESTERN ELECTRIC COMPANY, INC.  
TELEPHONE SALES DIVISION - EXCL. INST.  
ENGINEER OF SHOPS



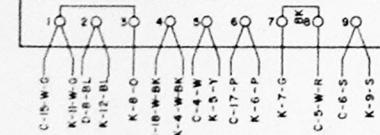
### 28F ELECTRICAL SERVICE UNIT



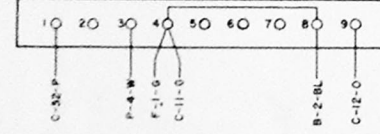
### A SELECTOR MAGNET TERMINAL BLOCK



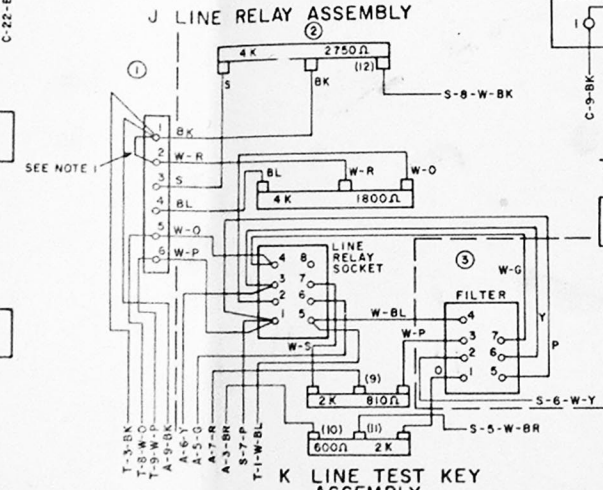
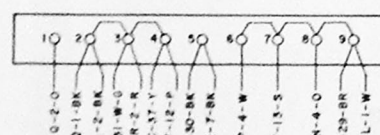
### B LINE TEST KEY TERMINAL BLOCK



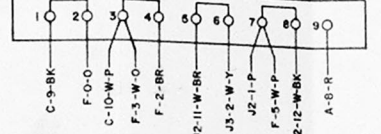
### D MOTOR CONTROL TERMINAL BLOCK



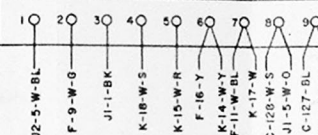
### E POWER TERMINAL BLOCK



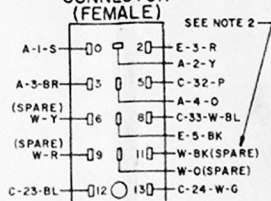
### S SLOW RELEASE RELAY TERMINAL BLOCK



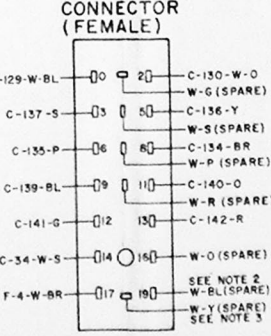
### T SLOW RELEASE TEST KEY TERMINAL BLOCK



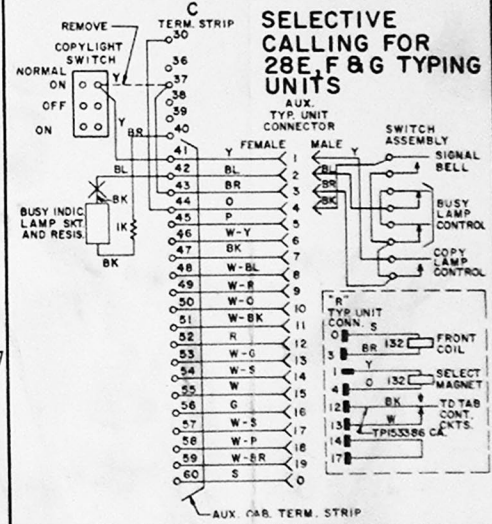
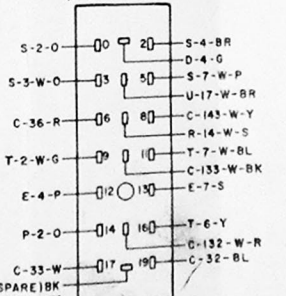
### R TYPING UNIT CONNECTOR (FEMALE)



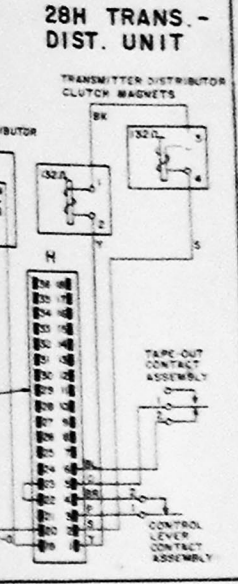
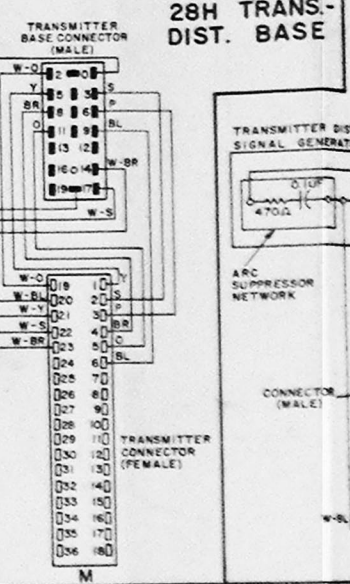
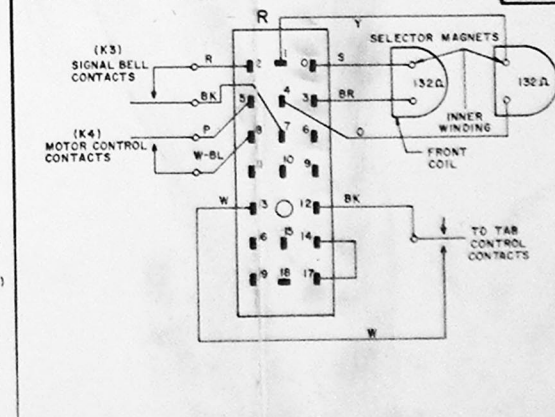
### U TRANSMITTER DISTRIBUTOR CONNECTOR (FEMALE)



### F KEYBOARD CONNECTOR (FEMALE)



### 28A, 28A-1, 28A-2, 28B, 28C, 28D TYPING UNITS

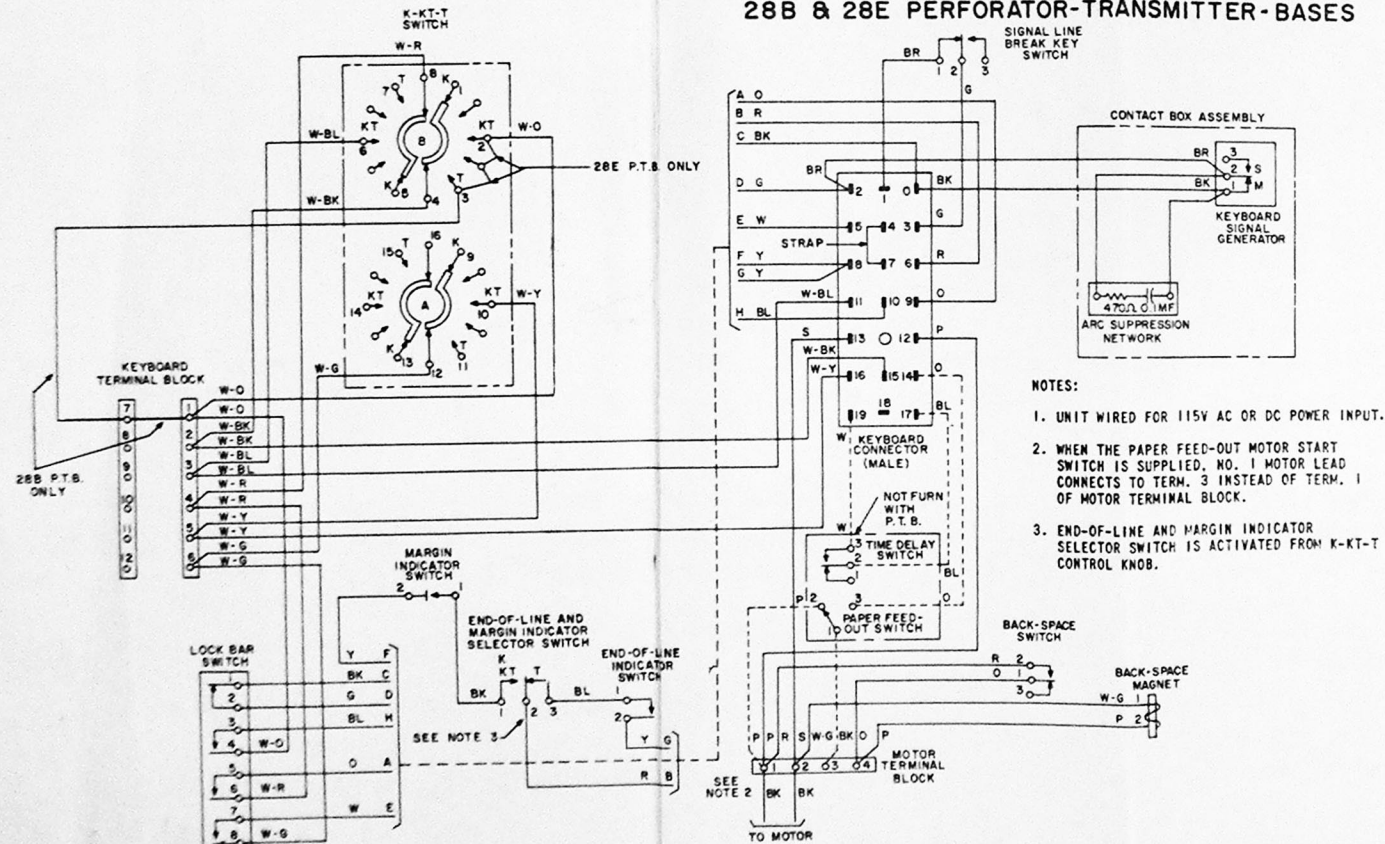


1955-1000  
Book 40  
Code W0700  
5-24-62  
Sheet 2 of 3  
Replaces Plan Sheet 30-7-60

WORKING PLAN  
28E TYPE AUTOMATIC SIGNALING -  
RECEIVING SECTION - PREVIOUS  
LINES SERVICES - HALF DUPLEX  
OPERATION - LOSS SIGNAL - SWITCH  
OR ELECTRICAL MOTOR CONTROL -  
OPTION OF MAN-OPERATED MECHANICAL  
SIGNAL CONTACT TRANSMITTER DIS-  
TIBUTOR - AC OR DC

- NOTES:
- CIRCUITS SHOWN FOR 100 AMP NEUTRAL SIGNAL LINE OPERATION. FOR 100 AMP OPERATION REMOVE AND ADD CONNECTIONS AS TABULATED BELOW:
- | SIGNAL LINE CURRENT | 100 AMP        | 200 AMP        |
|---------------------|----------------|----------------|
| CONNECTION REMOVED  | W-4C<br>W-12C  | W-11C<br>W-12C |
| CONNECTIONS ADDED   | W-11C<br>W-12C | W-11C<br>W-12C |
- THE SPARE LEADS FROM THE KEYBOARD AND TRANSMITTER DISTRIBUTOR UNITS CONNECTOR PLUGS ARE TERMINATED IN THE RIGHT END OF THE ELECTRICAL SERVICE UNIT. THE SPARE LEADS FROM THE TYPING UNIT PLUGS ARE TERMINATED IN THE LEFT END OF THE ELECTRICAL SERVICE UNIT.
  - SPARE LEADS FROM W-18 AND W-19 ARE RESERVED FOR FUTURE OPERATION OF KEYBOARD AND TRANSMITTER DISTRIBUTOR SIGNAL GENERATORS.

28B & 28E PERFORATOR-TRANSMITTER-BASES



WORKING PLAN  
28 TYPE AUTOMATIC SENDING -  
RECEIVING OPERATOR - PROVIDES  
LINE SERVICE - HALF DUPLEX  
OPERATION - LINE RELAY - SWITCH  
ON ELECTRICAL MOTOR CONTROL -  
TYPING OR NON-TYPING PERFORMANCE -  
SINGLE CONTACT TRANSMITTER DIS-  
TINCTOR - AC 60 CYCLES

28G CABINET

