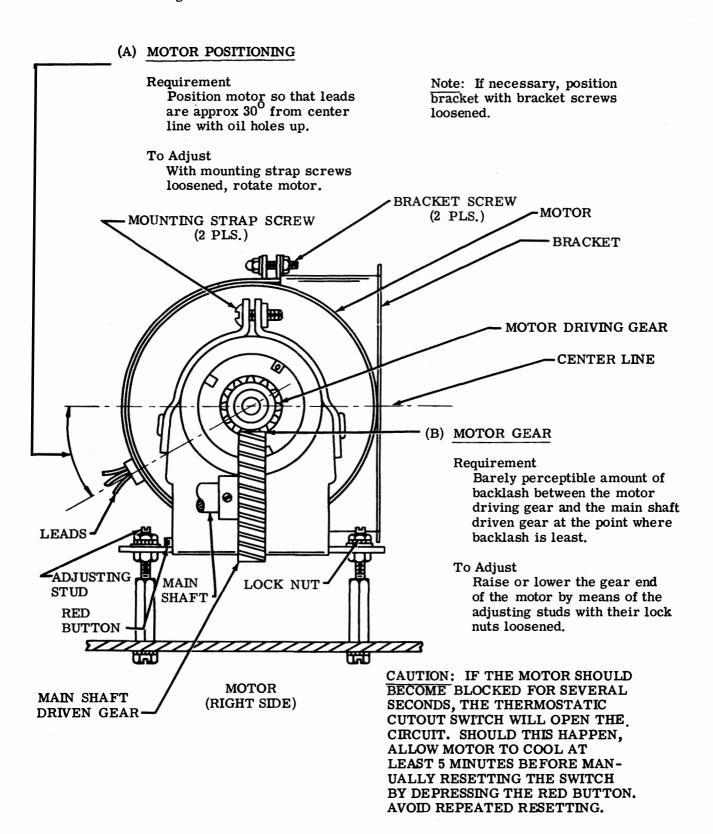
MOTOR UNITS

ADJUSTMENTS

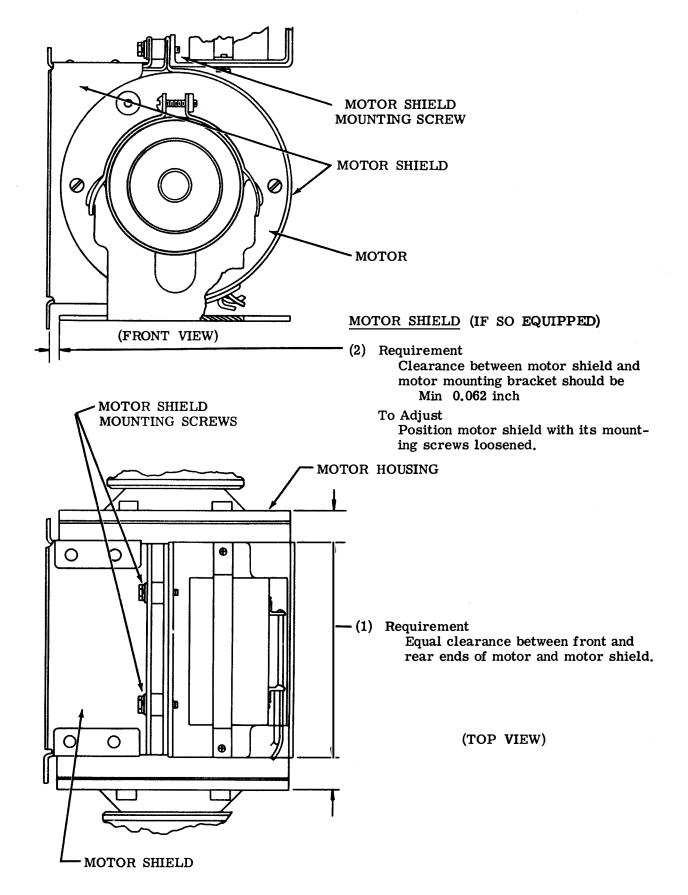
	CONTENTS P	AGE	CONTENTS	PAGE
1.	GENERAL	1	Governor contact backstop Motor positioning	6
2.	MINIATURIZED SYNCHRONOUS MOTOR UNITS	2	Motor speed	7
	Air ducts	4	1. GENERAL	
	Capacitor position	4		
	Motor gear	2	1.01 This section is reissued to inc	lude ad-
	Motor positioning	2	justments formerly given in ot	
	Motor shield	3	tions, to include the latest engineering tion, and to change the title. Since this	revision
3.	STANDARD AND HEAVY DUTY		is of a general nature, marginal arrov	ws which
	SYNCHRONOUS MOTOR UNITS	5	indicate changes have been omitted.	
	Motor adjusting stud Motor positioning	5 5	1.02 The adjustment information give section and the section covering	g gene ra l
	Motor positioning	Ü	teletypewriter requirements and adjusted provide the information necessary for	
4.	SERIES GOVERNED MOTOR UNITS	6	nance of the motor unit.	
	UNIID	J	1.03 The illustrations in this section	chow the
	Governor brush spring	7	adjusting tolerances, positions of	
	Governor contact	6	parts, and spring tensions.	ı moving

2. MINIATURIZED SYNCHRONOUS MOTOR UNITS

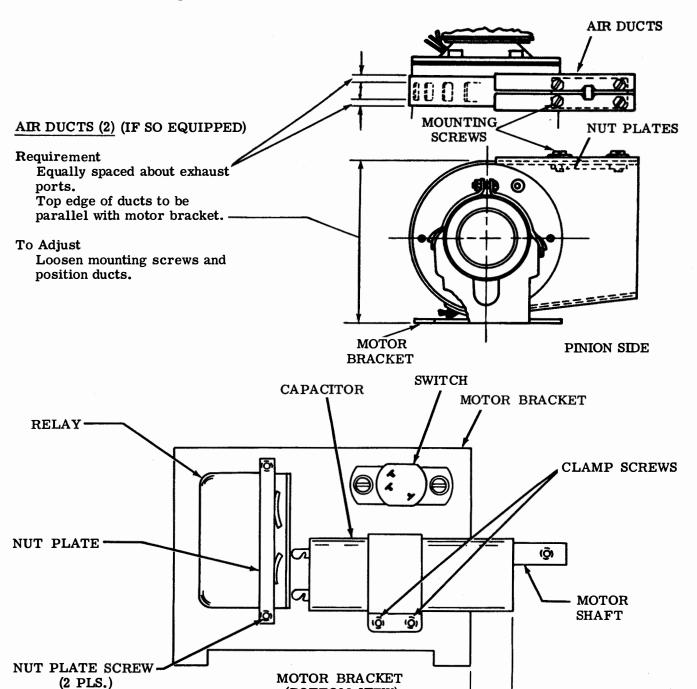
2.01 Motor Positioning



2.02 Motor Shield



2.03 Air Ducts and Capacitor Position



Requirement

CAPACITOR POSITION

Max 1/2 inch between motor bracket and end of capacitor.

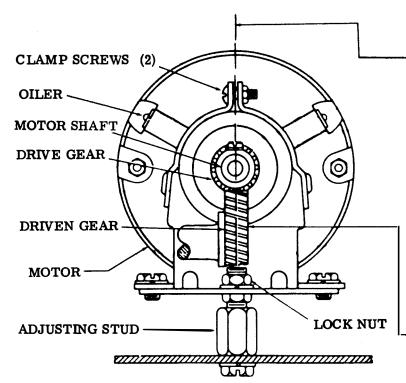
(BOTTOM VIEW)

To Adjust

Position relay and capacitor with motor removed from motor bracket and nut plate and clamp screws loosened.

3. STANDARD AND HEAVY DUTY SYNCHRONOUS MOTOR UNITS

3.01 Motor Positioning



CAUTION: IF MOTOR BECOMES BLOCKED FOR SEVERAL SECONDS, THERMOSTATIC CUTOUT SWITCH (ON UNITS SO EQUIPPED) WILL BREAK CIRCUIT. SHOULD THE HAPPEN, ALLOW MOTOR TO COOL AT LEAST 5 MINUTES BEFORE DEPRESSING RED RESET BUTTON. AVOID REPEATED RESETTING.

MOTOR POSITIONING

- (1) Requirement (Upright Mounted Motors)
 Oilers should be upward and
 approximately equidistant from a
 vertical line through motor shaft.
- (2) Requirement (Inverted Mounted Motors)
 Oilers should be downward and approximately equidistant from a vertical line through motor shaft.
- To Adjust
 Position motor with clamp screws (2)
 loosened.

MOTOR ADJUSTING STUD (IF SO EQUIPPED)

Requirement

Barely perceptible backlash between drive gear and driven gear at point where backlash is least.

To Adjust

With lock nut loosened, position adjusting stud. Tighten nut while holding stud in position.

4. SERIES GOVERNED MOTOR UNITS

4.01 Motor Positioning and Governor

MOTOR POSITIONING (NOT ILLUSTRATED)

Requirement

Motor should be centrally positioned in its rubber mounts 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.

(A) GOVERNOR CONTACT BACKSTOP

Requirement

Clearance between the movable contact arm and its eccentric backstop.

-Min 0.020 inch---Max 0.040 inch

To Adjust

Rotate the eccentric backstop with clamping screw loosened.

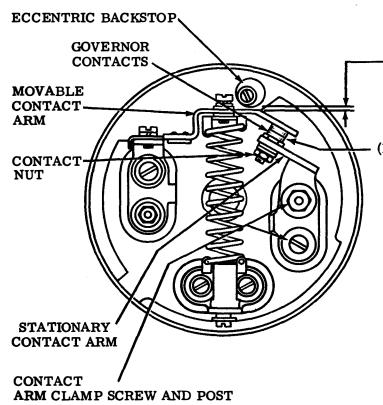
(B) GOVERNOR CONTACT

Requirement

The contacts should meet squarely and not overlap more than 0.010 inch.

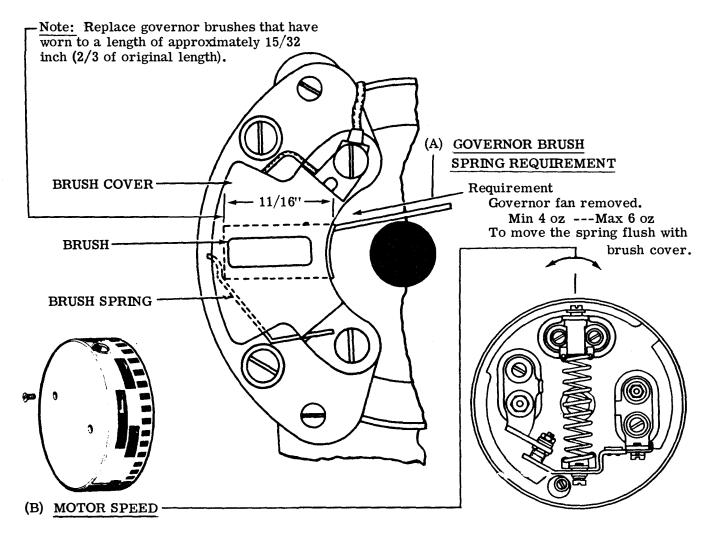
To Adjust

Position the stationary contact and contact arm with the clamp screw and post loosened.



CAUTION: EXCESSIVE PRESSURE
AGAINST GOVERNOR COVER
ASSEMBLY DURING REMOVAL
MAY DAMAGE SCREENED WINDOW.

4.02 Motor Governor



Requirement

With target illuminated and viewed through the vibrating shutters of a 120 vps turning fork the spots on the 4-spot target should appear stationary while rotating. With target illuminated and viewed through the vibrating shutters of an 87.6 vps tuning fork the spots on the 6-spot target should appear stationary while rotating and with speed slightly increased the spots on the 35 spot target should appear stationary.

To Adjust

Stop the motor and turn the adjusting screw as indicated on governor cover. For units with screened governor covers, stop the motor, remove the TP152035 plug from cover. Turn adjusting screw as indicated on periphery of target.

Note: It is possible to adjust the motor at some multiple of the correct speed. To check motor speed when used with a page printer, return typebox carriage to left margin, set up any character in selector and manually trip typebox clutch trip lever. Printing should occur as follows:

PRINTED CHARACTERS	REQUIRED TIME
70	10 seconds
44	5 seconds
57	5 seconds
	44

