# 28 SELF-CONTAINED TRANSMITTER-DISTRIBUTOR SETS

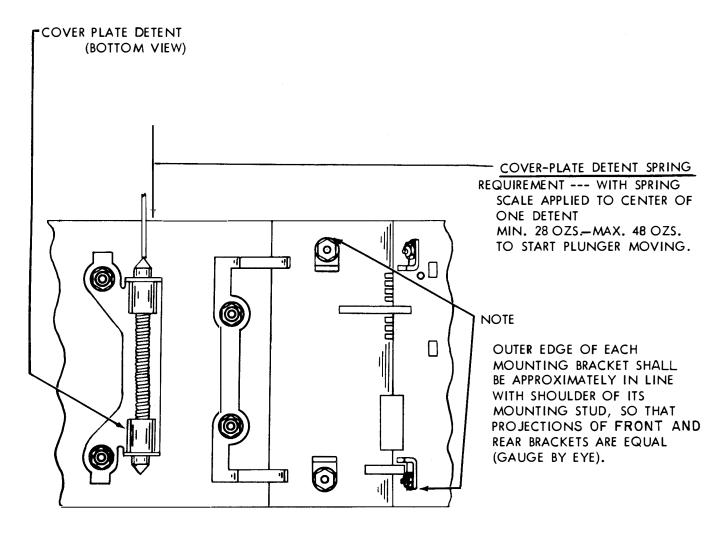
# (SINGLE-CONTACT AND MULTICONTACT)

# REQUIREMENTS AND ADJUSTMENTS

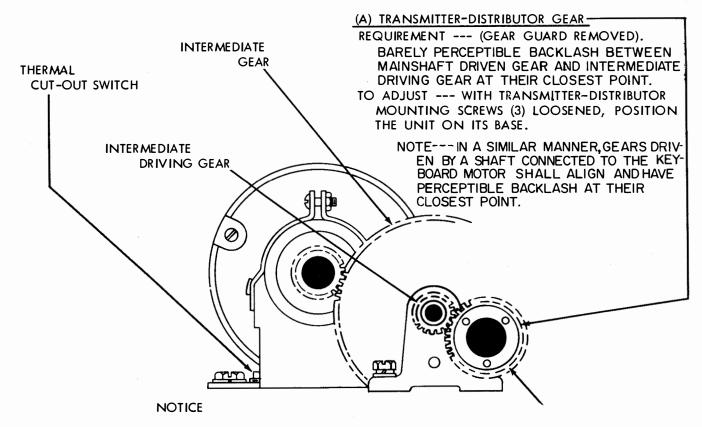
	CONTENTS	PAGE	I. GENERAL
1. G	ENERAL	1	1.01 This section contains the requirements and adjusting procedures for maintenance
	EQUIREMENTS AND DJUSTMENTS	1	of the fixed-head, single-contact, or multicontact transmitter-distributor sets.
A	. Single-contact Self-contained Transmitter-Distributor Set Cover Plate	2	1.02 This section is reissued to omit instructions for removing the cover plate, front panel, and transmitter-distributor unit, which are being included in the section covering dis-
	Cover-plate detent spring  Intermediate Gear Assembly	2	assembly and reassembly of the self-contained sets, and to bring the requirements and adjustment information up to date.
	Transmitter-distributor gear	3	1.03 For requirements and adjusting procedures for maintenance of the transmitter-
	Line-shunt switch	4	distributor units, refer to the sections which contain the requirements and adjustments for the 28H or 28G transmitter-distributor unit.
Б	Transmitter-Distributor Set	5	2. REQUIREMENTS AND ADJUSTMENTS
	Base and Motor Gears Intermediate gear assembly Motor pinion		2.01 The following figures show the adjusting tolerances, positions of moving parts, and spring tensions. The illustrations are arranged so that the adjustments are in the sequence that would be followed if a complete readjustment of
	Cover plate	5	the set were being made. In some cases where an illustration shows interrelated parts, the sequence that should be followed in checking the requirements and making the adjustments shown
	Line-shunt switch	7	is indicated by the letters (A) and (B).

# A. Single-contact Self-contained Transmitter-Distributor Set

# 2.02 Cover Plate



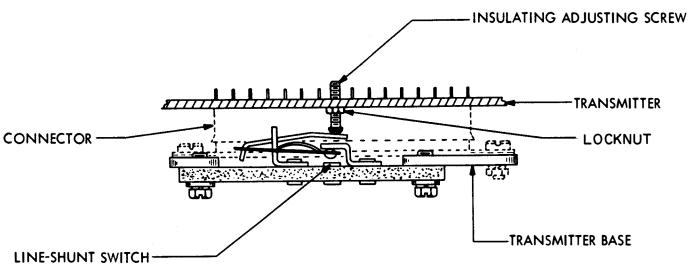
#### 2.03 Intermediate Gear Assembly



Should the Rotor of the Synchronous Motor become blocked for several seconds by an overload, the thermal cut-out switch will de-energize the motor until the manual reset button is depressed. However, allow at least 5 minutes for the motor to cool before attempting to reset the switch and start the motor.

MAINSHAFT DRIVEN GEAR

# 2.04 Line-shunt Switch



# REQUIREMENT

WITH THE TRANSMITTER MOUNTED ON THE BASE, THE LINE-SHUNT SWITCH SHALL OPEN. WHEN THE TRANSMITTER IS REMOVED FROM THE BASE, THE SWITCH SHALL CLOSE.

# TO ADJUST

ROTATE THE INSULATING ADJUSTING SCREW WITH ITS LOCKNUT LOOSENED.

#### B. Multicontact Self-contained Transmitter-Distributor Set

#### 2.05 Cover and Panel Assembly

#### (A) COVER PLATE

(1) REQUIREMENT

COVER PLATE HELD FLUSH AGAINST TOP PLATE BY DETENT ACTION.

) REQUIREMENT

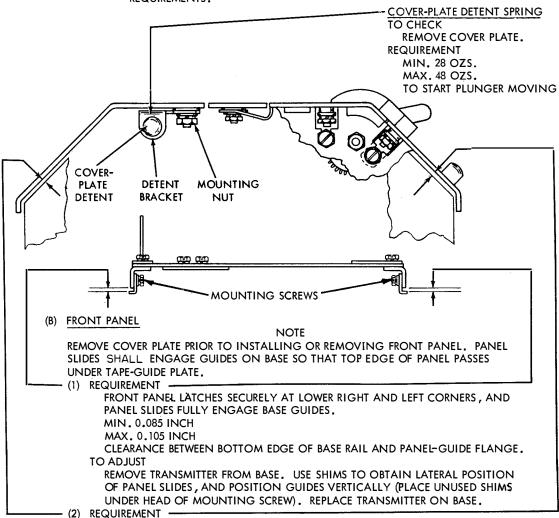
COVER PLATE RESTS ON AT LEAST THREE SIDE-FRAME PROJECTIONS.

(3) REQUIREMENT

FRONT EDGE OF COVER AND TOP PLATES IN LINE.

TO ADJUST

LOOSEN DETENT NUTS ON SIDE FRAMES, AND MOVE THEM TO EXTREME LOWER RIGHT POSITION. TIGHTEN NUTS. LOOSEN FOUR BRACKET MOUNTING NUTS ON COVER PLATE. PLACE COVER INTO POSITION, AND POSITION TO MEET REQUIREMENTS. TIGHTEN NUTS. RECHECK AND REFINE REQUIREMENTS.



MIN. 0.015 INCH

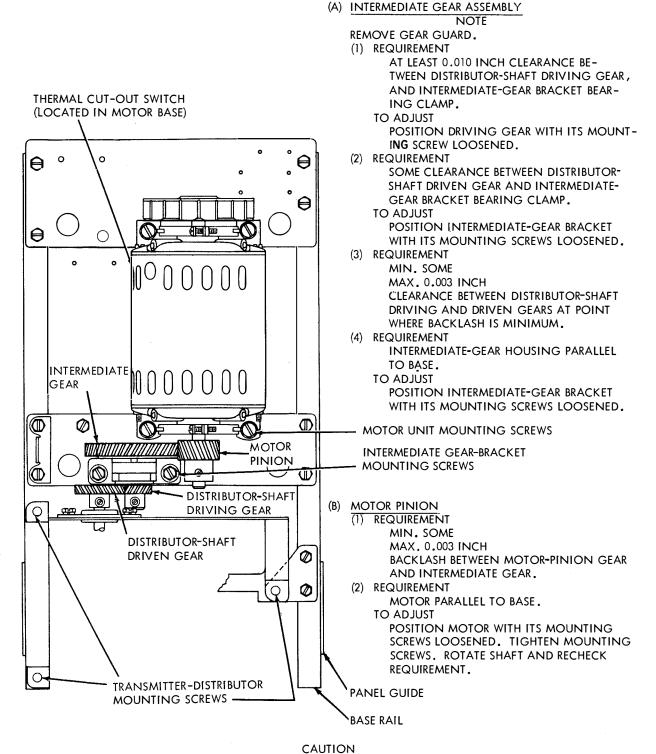
MAX. 0.060 INCH

CLEARANCE BETWEEN PANEL TOP EDGE AND FRONT EDGE OF COVER AND TAPE-GUIDE PLATES. THE UPPER PANEL SIDES SHALL NOT TOUCH THE COVER AND TAPE-GUIDE PLATE EAVES.

TO AD IUST

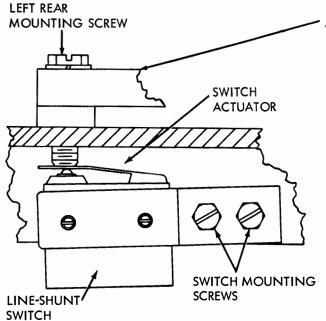
WITH FRONT PANEL IN PLACE, LOOSEN PANEL-GUIDE MOUNTING SCREWS AND POSITION THE GUIDE. TO FACILITATE ADJUSTMENT, REMOVE THE FOUR VIBRATION MOUNT NUTS AND SWING SUBBASE AWAY.

# 2.06 Base and Motor Gears



IF THE MOTOR SHOULD BECOME BLOCKED FOR SEVERAL SECONDS, THE THERMAL CUT-OUT SWITCH WILL BREAK THE CIRCUIT. SHOULD THIS HAPPEN, ALLOW THE MOTOR TO COOL AT LEAST 5 MINUTES BEFORE MANUALLY DEPRESSING THE

### 2.07 Line-shunt Switch



#### LINE-SHUNT SWITCH

#### (1) REQUIREMENT

LINE-SHUNT SWITCH CONTACTS OPEN WHEN TRANSMITTER-DISTRIBUTOR LEFT REAR MOUNT-ING SCREW IS TIGHTENED.

# (2) REQUIREMENT

LINE-SHUNT SWITCH CONTACTS CLOSED WHEN LEFT REAR MOUNTING SCREW IS LOOSENED.

#### TO ADJUST

BACK OFF LEFT REAR MOUNTING SCREW 1/2 TURN. POSITION SWITCH ACTUATOR (SWITCH MOUNTING SCREWS FRICTION TIGHT) AGAINST THE TRANMITTER MOUNTING SCREW UNTIL THE CONTACTS JUST CLOSE (SWITCH ACTUATOR SHOULD BE APPROXIMATELY HORIZONTAL). TIGHTEN SWITCH MOUNTING SCREWS. CHECK SWITCH OPERATION AND REFINE ADJUSTMENT IF NECESSARY.

