

28 MULTIPLE-MOUNTED
TRANSMITTER-DISTRIBUTOR SETS
(SINGLE-CONTACT AND MULTICONTACT)
REQUIREMENTS AND ADJUSTMENTS

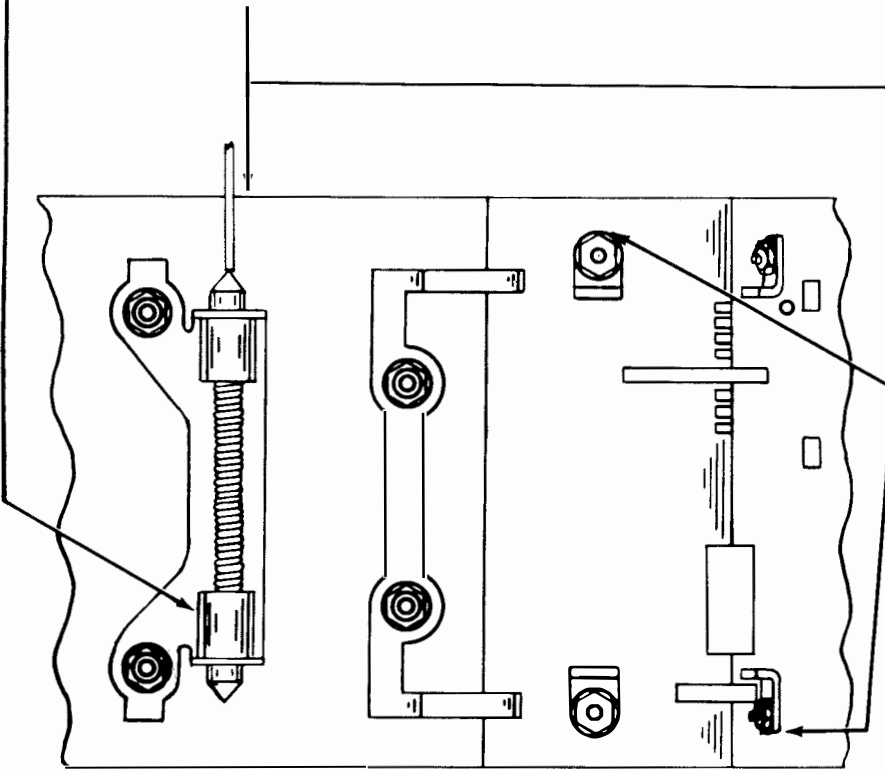
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| 1. GENERAL | 1 | 1. GENERAL |
| 2. REQUIREMENTS AND ADJUSTMENTS | 1 | 1.01 This section contains the requirements and adjusting procedures for maintenance of the multiple-mounted single-contact and multicontact transmitter-distributor sets. |
| A. Single-contact Multiple-mounted Transmitter-Distributor Set | 2 | 1.02 This section is reissued to bring up to date the requirements and adjustments for the multicontact transmitter-distributor set, to add the requirements and adjustments for the single-contact transmitter-distributor set, and to change the title accordingly. |
| Cover Plate | | |
| Cover-plate detent spring | 2 | 1.03 For requirements and adjusting procedures for maintenance of the transmitter-distributor units, refer to the sections which contain the requirements and adjustments for the 28H or 28G transmitter-distributor unit. |
| Line-shunt switch | 4 | 1.04 In this section, left or right, front or rear, and top or bottom apply to the apparatus in its normal operating position as viewed from the front. |
| Multiple Transmitter-Distributor Base | | 1.05 The covers may be removed for inspection and minor repair of the set; however, when more extensive maintenance is to be undertaken, it is recommended that the set be disconnected from its source of power as a safety precaution. |
| Intermediate gear shaft bracket | 3 | 2. REQUIREMENTS AND ADJUSTMENTS |
| Timing belt | 3 | 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 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 is indicated by the letters (A) and (B). |
| Transmitter-distributor position | 3 | |
| Tape Deflector | | |
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| B. Multicontact Multiple-mounted Transmitter-Distributor Set | 6 | |
| Line-shunt switch | 9 | |
| Multiple Transmitter-Distributor Base | | |
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SECTION 573-106-700

A. Single-contact Multiple-mounted Transmitter-Distributor Set

2.02 Cover Plate

COVER-PLATE DETENT
(BOTTOM VIEW)

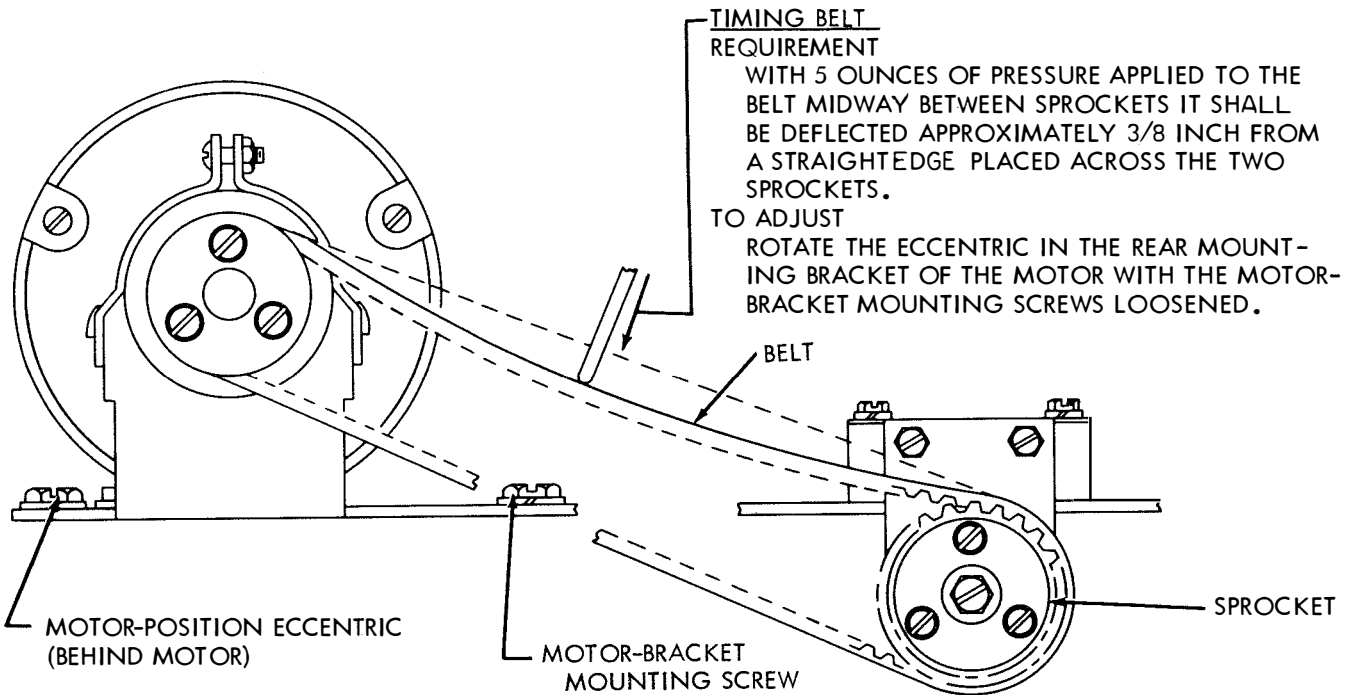


COVER-PLATE DETENT SPRING
REQUIREMENT --- WITH SPRING
SCALE APPLIED TO CENTER OF
ONE DETENT
MIN. 28 OZS.—MAX. 48 OZS.
TO START PLUNGER MOVING.

NOTE

OUTER EDGE OF EACH
MOUNTING BRACKET SHALL
BE APPROXIMATELY IN LINE
WITH SHOULDER OF ITS
MOUNTING STUD, SO THAT
PROJECTIONS OF FRONT AND
REAR BRACKETS ARE EQUAL
(GAUGE BY EYE).

2.03 Multiple Transmitter-Distributor Base



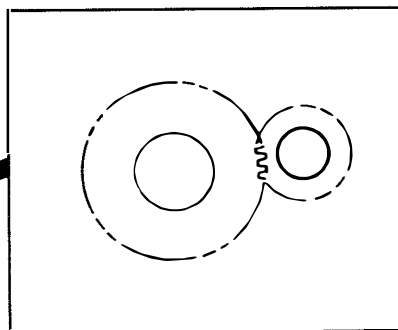
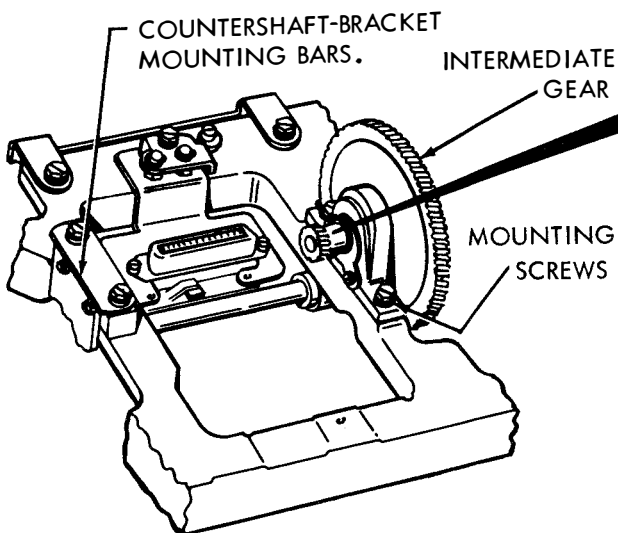
TRANSMITTER-DISTRIBUTOR POSITION

REQUIREMENT

THERE SHALL BE A BARELY PERCEPTIBLE AMOUNT OF BACKLASH BETWEEN THE TRANSMITTER GEAR AND THE GEAR ON THE INTERMEDIATE SHAFT WHEN THE TRANSMITTER IS HELD AGAINST ITS POSITIONING ECCENTRIC.

INTERMEDIATE GEAR SHAFT BRACKET
REQUIREMENT

BARELY PERCEPTIBLE BACKLASH BETWEEN GEARS OF INTERMEDIATE SHAFT AND COUNTERSHAFT. TO ADJUST POSITION INTERMEDIATE GEAR SHAFT ASSEMBLY WITH MOUNTING SCREWS LOOSENED.



TO ADJUST

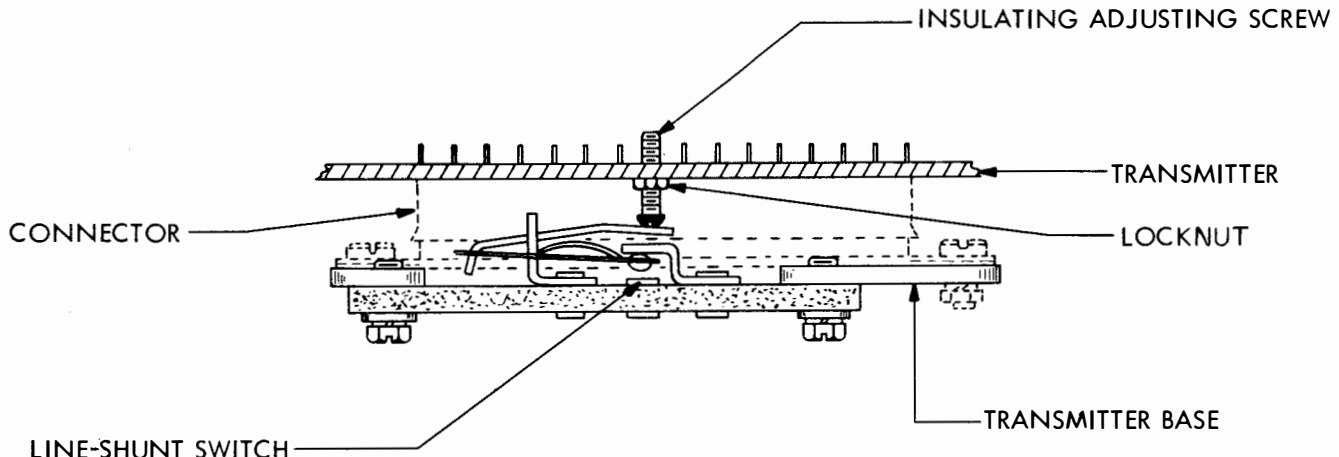
PLACE THE TRANSMITTER LOCKING DEVICE TO THE LEFT. LOOSEN THE ECCENTRIC LOCKING SCREW. PLACE TRANSMITTER IN POSITION TO ENGAGE THE MULTIPLE CONNECTOR AND MESH THE GEARS. SHIFT UNIT TO PROVIDE THE PERCEPTIBLE BACKLASH BETWEEN THE GEARS AND POSITION THE ECCENTRIC.

NOTE

IF NECESSARY, ADDITIONAL ADJUSTING RANGE MAY BE PROVIDED BY LOOSENING THE TWO SCREWS IN THE RIGHT AND LEFT COUNTERSHAFT-BRACKET MOUNTING BARS AND MOVING THE COUNTERSHAFT ASSEMBLY FORWARD OR TO THE REAR AFTER LOOSENING THE INTERMEDIATE SHAFT BRACKETS AND BELT TENSION. IF THIS IS DONE, THE COUNTERSHAFT MUST BE KEPT PARALLEL AND SQUARE. REMAKE TIMING BELT AND TRANSMITTER-DISTRIBUTOR POSITION ADJUSTMENTS.

SECTION 573-106-700

2.04 Line-shunt Switch



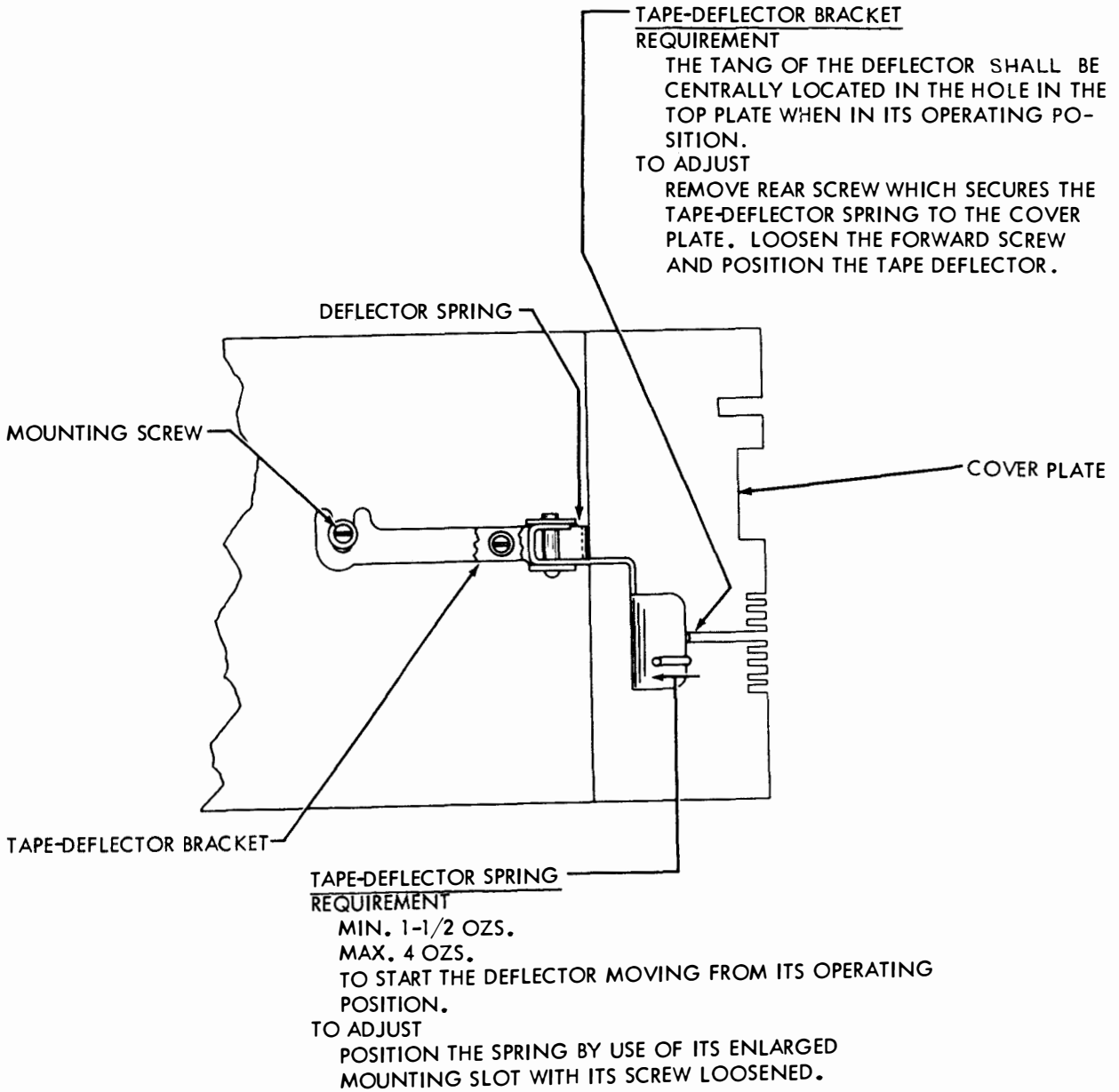
LINE-SHUNT SWITCH
REQUIREMENT

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

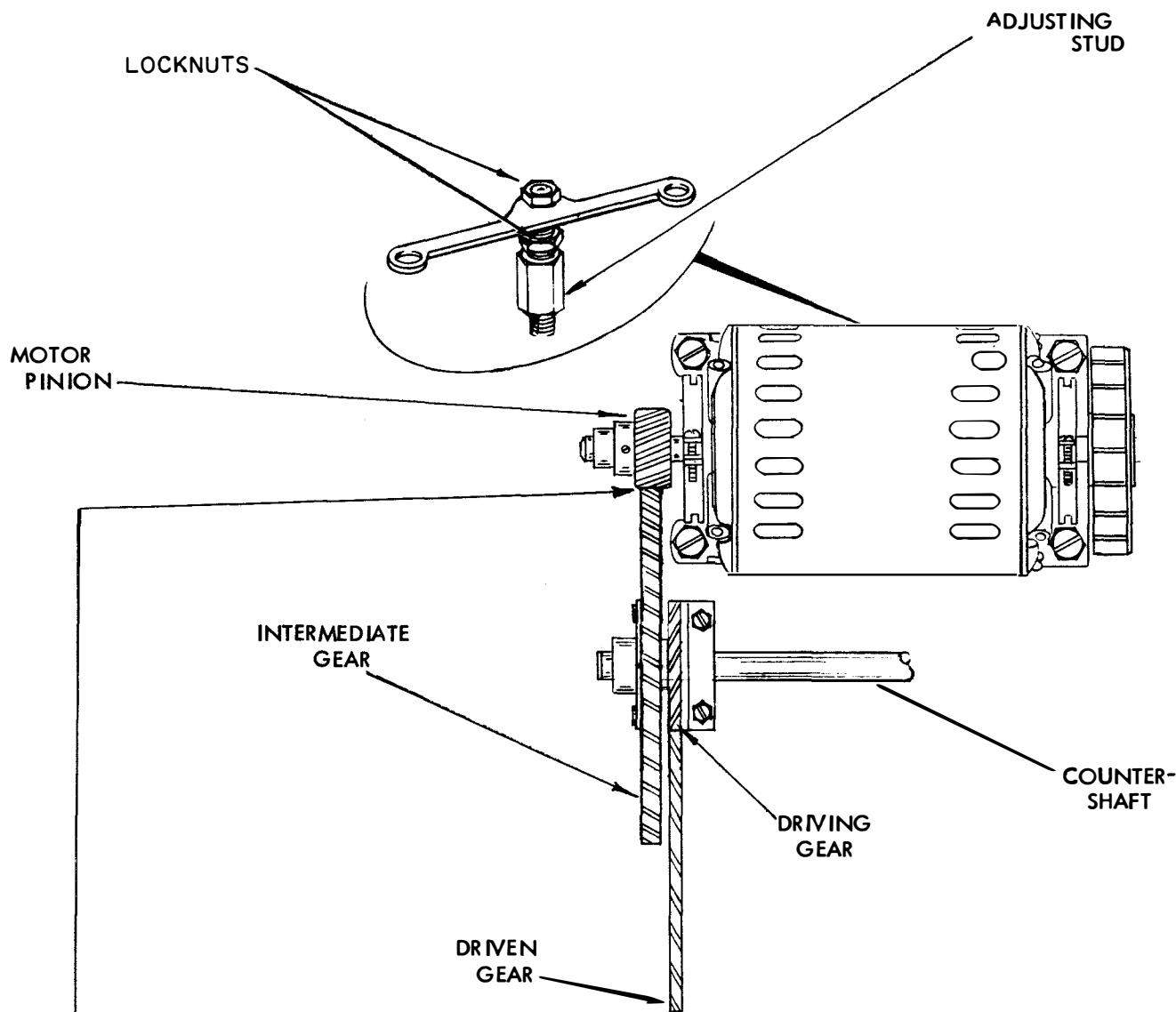
ROTATE THE INSULATING ADJUSTING SCREW WITH ITS LOCKNUT LOOSENED.

2.05 Tape Deflector



B. Multicontact Multiple-mounted Transmitter-Distributor Set

2.06 Multiple Transmitter-Distributor Base



(A) MOTOR PINION

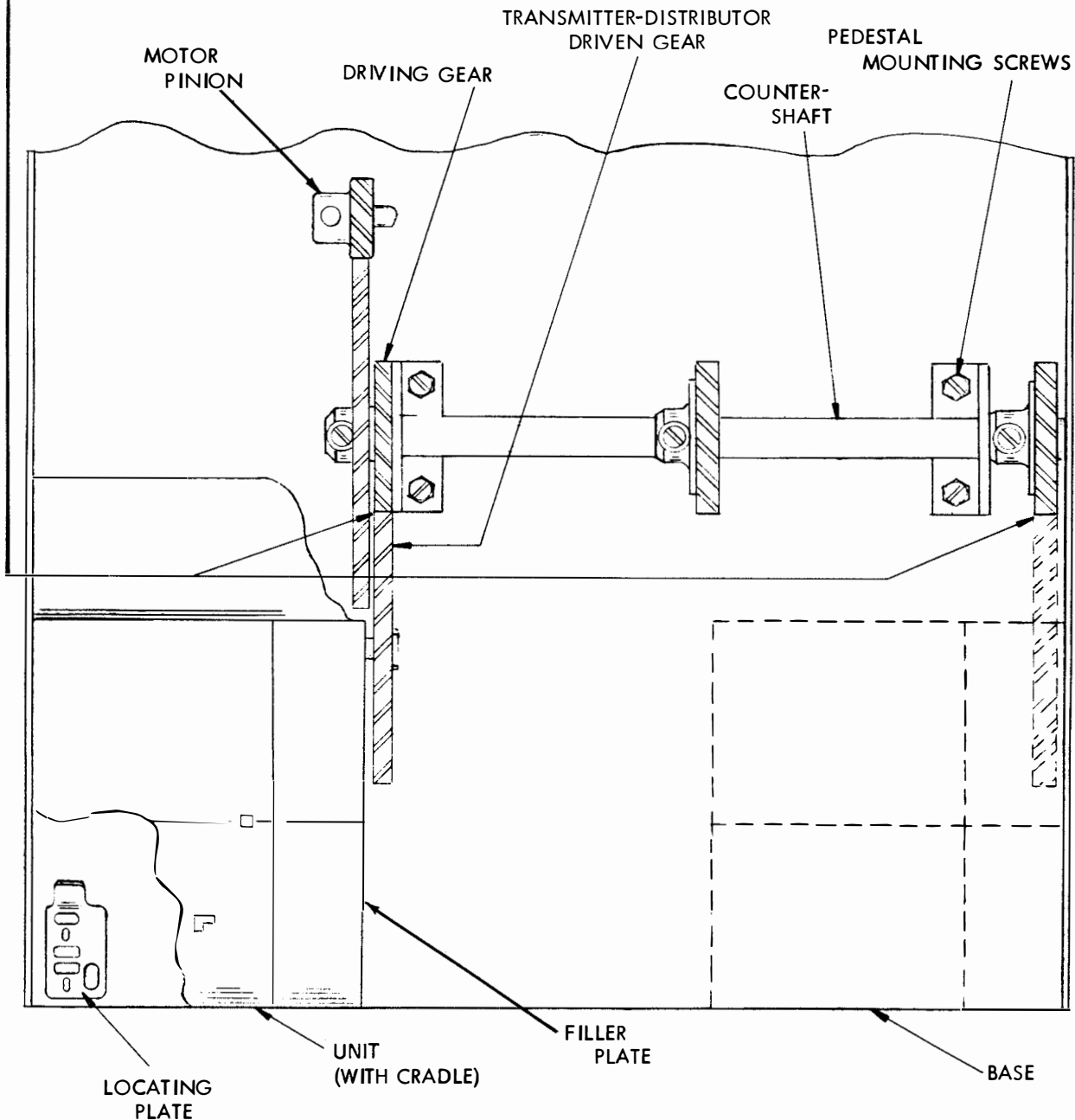
REQUIREMENT --- PINION AND INTERMEDIATE GEAR SHALL HAVE A BARELY PERCEPTIBLE AMOUNT OF BACKLASH AT THEIR CLOSEST POINT (CHECK FOR ONE REVOLUTION OF INTERMEDIATE GEAR). TO ADJUST --- WITH ITS LOCKNUTS LOOSENED, POSITION THE ADJUSTING STUD UP OR DOWN.

COUNTERSHAFT**REQUIREMENT**

BARELY PERCEPTIBLE AMOUNT OF BACKLASH BETWEEN COUNTERSHAFT DRIVING GEAR AND ITS ASSOCIATED TRANSMITTER-DISTRIBUTOR DRIVEN GEAR AT POINT OF LEAST CLEARANCE.

TO ADJUST

- (1) WITH LOCATING PLATE MOUNTING SCREWS FRICTION TIGHT, POSITION PLATE AT CENTER OF ITS ADJUSTMENT RANGE.
- (2) INSERT A UNIT (WITH CRADLE) INTO LEFT MOUNTING POSITION ON BASE. POSITION LOCATING PLATE TO MEET REQUIREMENT. TIGHTEN PLATE MOUNTING SCREWS.
- (3) REMOVE UNIT FROM LEFT POSITION, AND PLACE IT IN RIGHT MOUNTING POSITION. LOOSEN MOUNTING SCREWS ON COUNTERSHAFT PEDESTALS AND POSITION RIGHT END OF COUNTERSHAFT TO MEET REQUIREMENT.
- (4) TIGHTEN ALL MOUNTING SCREWS, CHECK FOR BINDS, AND RECHECK REQUIREMENTS IN RIGHT AND LEFT MOUNTING POSITIONS. REFINE IF NECESSARY.



2.06 Multiple Transmitter-Distributor Base (Cont)

(B) FILLER PLATES
REQUIREMENT

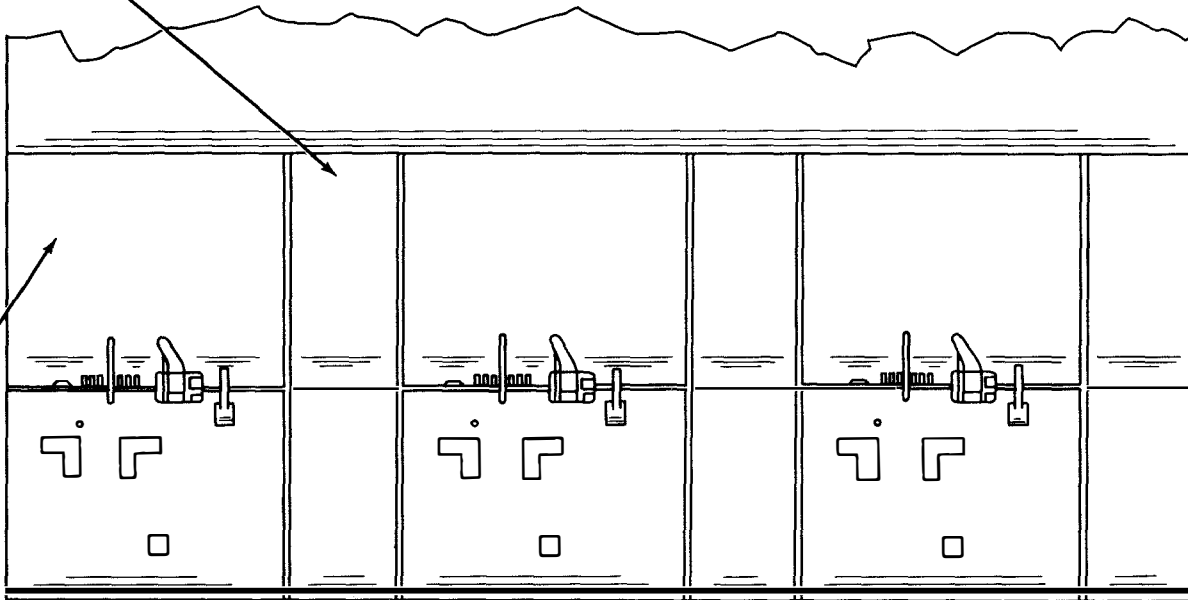
TOP SURFACE OF FILLER PLATE SHALL ALIGN WITH UPPER SURFACE OF BOTH TOP PLATE AND TAPE-GUIDE PLATE. COMMON EDGES SHALL BEAR AGAINST EACH OTHER.

TO CHECK

- (1) LAY A STRAIGHTEDGE ACROSS TOP PLATES AND FILLER PLATES, 1/4" FROM COVER PLATE. GAP BETWEEN EACH PLATE AND STRAIGHTEDGE, 1/8" ON EACH SIDE OF EDGE BETWEEN TOP AND FILLER PLATES (5 EDGES), SHALL BE FLUSH TO 0.010 INCH.
- (2) LAY A STRAIGHTEDGE ACROSS TAPE-GUIDE PLATES AND FILLER PLATES, 1/8" FROM LOWER EDGE OF TAPE-GUIDE PLATES. GAP BETWEEN STRAIGHTEDGE AND EACH TAPE-GUIDE PLATE 1/8" ON EACH SIDE OF EDGE BETWEEN TAPE GUIDE AND FILLER PLATES (5 EDGES), SHALL BE FLUSH TO 0.010 INCH.

TO ADJUST

POSITION FILLER PLATE AND ITS BRACKETS WITH THE BRACKET MOUNTING SCREWS AND PLATE MOUNTING NUTS FRICTION TIGHT.



NOTE

WHEN LESS THAN 3 UNITS ARE USED ON THE BASE, THE UNUSED COMPARTMENT CONTAINS A DUMMY UNIT. POSITION THE TOP PLATE AND COVER IN A MANNER SIMILAR TO ADJUSTMENT PROCEDURE (A).

(A) COVER PLATES

(1) REQUIREMENT

WITH THREE UNITS IN POSITION ON THE BASE, THE COVER PLATES SHALL ALIGN HORIZONTALLY, AND THE MATING EDGE OF EACH COVER PLATE AND TOP PLATE SHALL BE FLUSH.

TO ADJUST

POSITION COVER PLATE WITH ITS DETENTING NUTS LOOSENED.

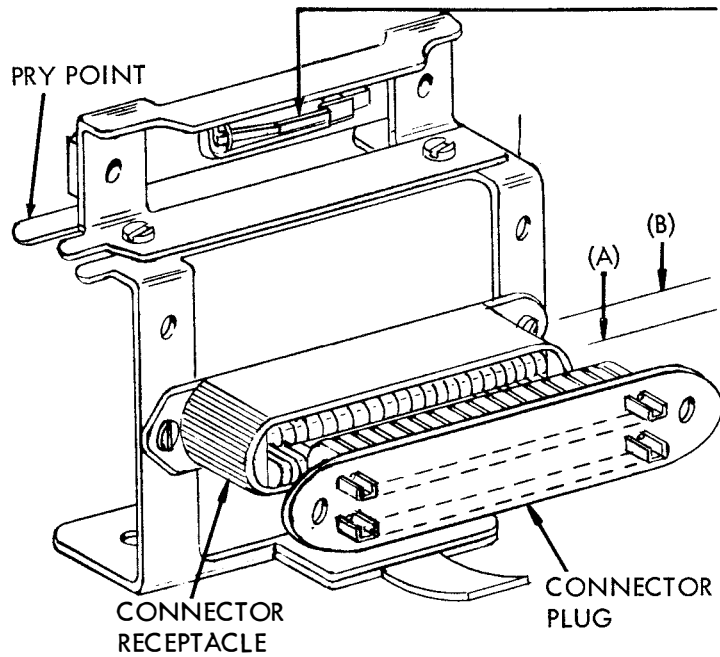
(2) REQUIREMENT

EDGE OF COVER PLATE OPPOSITE DRIVING GEAR SHALL ALIGN WITH EDGE OF TOP PLATE.

TO ADJUST

POSITION COVER PLATE WITH THE CORNER PLATE DETENT MOUNTING NUTS AND SPRING-PLATE MOUNTING NUTS FRICTION TIGHT.

2.07 Line-shunt Switch

LINE-SHUNT SWITCHTO CHECK

PLACE A TRANSMITTER-DISTRIBUTOR IN ONE OF THE MOUNTING POSITIONS. NOTE THE POINT (A) AT WHICH THE CONNECTOR PLUG STARTS TO ENGAGE THE CONNECTOR RECEPTACLE, AND THE POINT (B) WHERE THE PLUG FULLY ENGAGES THE RECEPTACLE.

REQUIREMENT

LINE SWITCH SHALL ACTUATE (CONTACTS CLOSE) BEFORE UNIT IS WITHDRAWN ONE HALF THE DISTANCE BETWEEN POINTS (A) AND (B).

TO ADJUST

WITH SWITCH BRACKET MOUNTING SCREWS FRICTION TIGHT, POSITION SWITCH BY MEANS OF ITS PRY POINT. CHECK ALL LINE-SHUNT SWITCHES.

2.08 Tape-deflector Mechanism

NOTE

DEFLECTOR IS HINGED TO SWING IN EITHER OF TWO POSITIONS:

1. OPERATING POSITION (LEFT SIDE) - DEFLECTS TAPE BACK TO OPERATOR.
2. NONOPERATING POSITION (RIGHT SIDE) - ALLOWS TAPE TO FOLLOW NORMAL PATH TO REAR OF UNIT.

(A) DEFLECTOR BRACKET REQUIREMENT

WHEN DEFLECTOR IS IN OPERATING POSITION, DEFLECTOR TANG SHALL BE CENTRALLY LOCATED IN TOP-PLATE HOLE.

TO ADJUST

POSITION BRACKET WITH ITS MOUNTING SCREWS LOOSENED.

(B) DEFLECTOR SPRING REQUIREMENT

MIN. 1-1/2 OZS.

MAX. 4 OZS.

TO START DEFLECTOR MOVING.

TO ADJUST

WITH SCREW WHICH ANCHORS SPRING TO FILLER PLATE LOOSENED, POSITION SPRING IN ITS ELONGATED MOUNTING SLOT. IF NECESSARY, BEND SPRING.

