

35 TRANSMITTER-DISTRIBUTOR (MULTICONTACT)

DISASSEMBLY AND REASSEMBLY

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1. GENERAL

1.01 This section contains instructions for the disassembly and reassembly of the transmitter-distributor. The instructions are

arranged in a sequence that should be followed only when a complete disassembly of the unit is required. Disassembly of a specific sub-assembly (for repair or replacement purposes) will normally require removal of associated subassemblies in the same area.

1.02 Refer to the applicable parts publication for illustrations of the parts referenced in the procedure.

1.03 Following reassembly, perform any necessary adjustments that may have been affected. Refer to the applicable publication covering adjustments.

1.04 Unless specified otherwise, reassembly (or replacement) of an assembly or sub-assembly is accomplished by reversing the disassembly procedure. Where necessary, specific reassembly instructions are provided.

Note: Retaining rings (tru-arc) are spring steel and have a tendency to release suddenly during removal. To minimize their loss, remove them as follows: With the ring held to prevent rotation, place the blade of a screwdriver into a slot of the ring. Rotate the screwdriver into the direction that increases the diameter of the ring. The ring will come off easily and without springing away.

2. DISASSEMBLY AND REASSEMBLY (FIGS. 1 AND 2)

MOTOR COVER AND FRONT PANEL

2.01 To remove the motor cover, lift it carefully upward to clear the mechanism.

2.02 To remove the front panel, pull outward on the lower right and left rear corners of the front panel, and slide the panel forward. To replace, mate the front panel slides with the frame slides. Push slowly toward the rear, applying even pressure at each edge of the front plate.

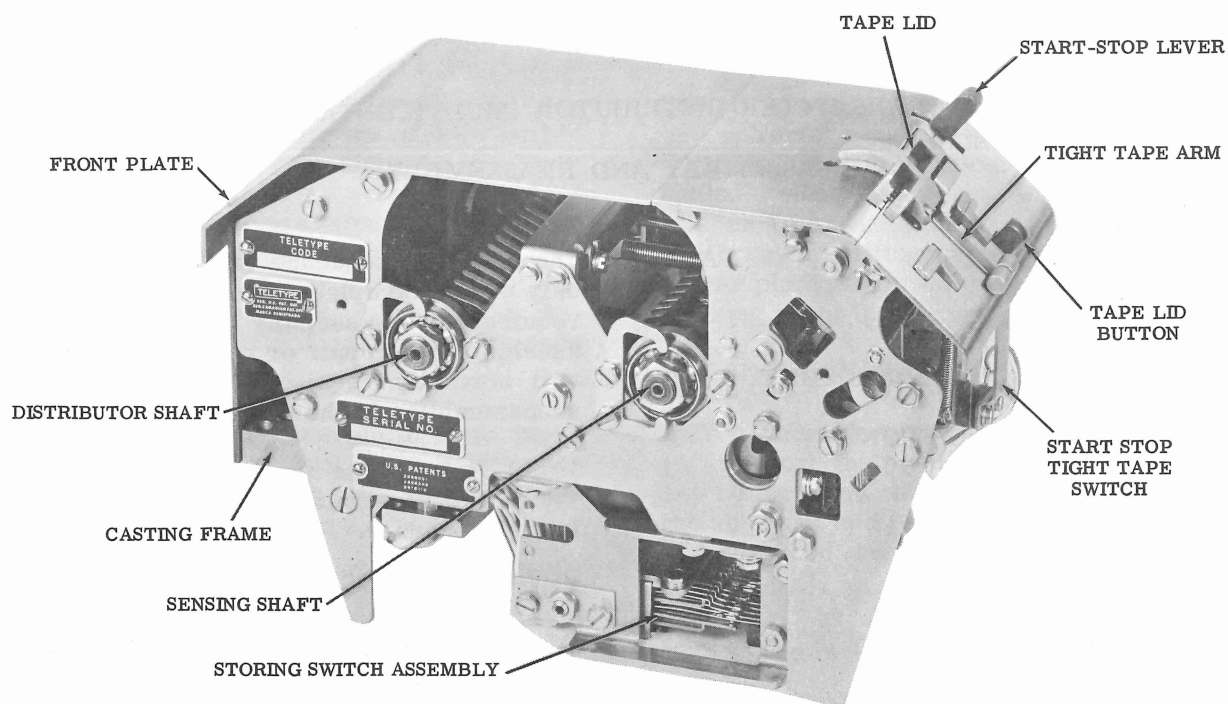


Figure 1 - 35 Transmitter-Distributor, Side View

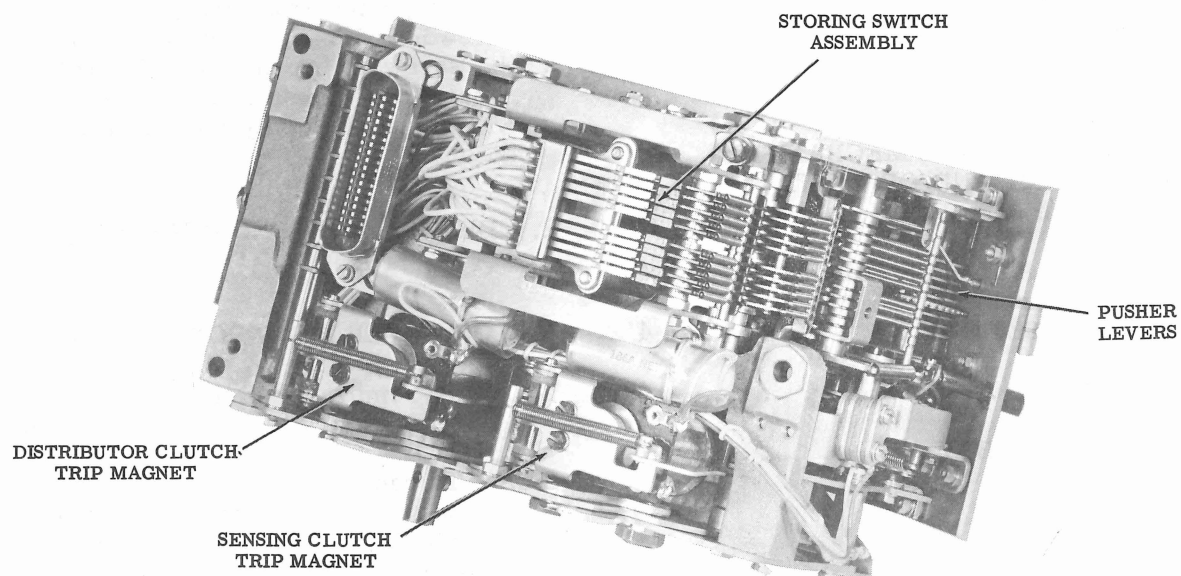


Figure 2 - 35 Transmitter-Distributor, Bottom View

REMOVAL FROM BASE

2.03 To remove the transmitter-distributor from the base, remove the three mounting screws which secure the unit to the base. Slide the unit forward and lift upward to disconnect the latches and electrical connectors.

PLATE ASSEMBLIES

2.04 Cover Plate: Remove the cover plate by lifting the left end upward, and sliding the plate toward the left to disengage the spring clip.

2.05 Top Plate: Remove the top plate by loosening the front and rear mounting screws. Lift the plate upward.

2.06 To replace, guide the mounting screws into their respective notches on the front and rear plates. Align the sensing pins and feed wheel with their respective slots.

2.07 Tape Guide Plate: The tape guide plate is removed by loosening the front and rear mounting screws and sliding the plate upward.

2.08 To replace, guide the mounting screws into their respective notches on the front and rear plate. Guide the tape-out pin into its hole, and locate the sensing pins against the left edge of the tape guide plate.

OIL RESERVOIR ASSEMBLY

2.09 To remove the oil reservoir assembly, unhook the springs attached to the underside of the cross bar. Remove the four screws which secure the cross bar to the front and rear plates and lift the assembly upward.

DISTRIBUTOR BLOCK ASSEMBLY

2.10 To remove the distributor block assembly loosen the two screws to remove the insulating plate. Remove the three screws which secure the assembly and lift it out far enough from the unit to permit the required servicing. (Complete removal of the distributor block will require unsoldering all cable leads from the block terminals.)

IDLER GEAR ASSEMBLY

2.11 To remove the idler gear, remove the locknut securing the shaft to the rear plate. This assembly should be removed be-

fore removal of the sensing and distributor shaft assemblies.

DISTRIBUTOR SHAFT ASSEMBLY

2.12 To remove the distributor shaft, remove the five mounting screws which secure the bearing clamps to the front and rear plates.

SENSING SHAFT ASSEMBLY

2.13 To remove the sensing shaft, remove the five mounting screws which secure the bearing clamps to the front and rear plates. Lift shaft assembly and rotate for clearance.

FEED WHEEL ASSEMBLY

2.14 To remove the feed wheel assembly, remove the nut which secures the feed wheel mounting post to the front plate. Remove the post, with wheel, from the unit.

2.15 When replacing the assembly, make sure the shoulder of the mounting post will not interfere with the top plate or guide plate front mounting brackets when these plates are installed.

STORING SWITCH ASSEMBLY

2.16 To remove the storing switch assembly, remove the four screws which secure the assembly to the main casting. Withdraw the switch far enough to permit servicing, without disconnecting any electrical connections (if possible). When removing the switch, take care not to damage the contact lever slides.

2.17 Reverse the above procedure to reinstall the storing switch assembly. Replace the left front screw first and use it as a pivot when aligning the slides with their respective pusher and latchlevers.

PUSHER AND LATCH LEVERS

2.18 Remove the pusher lever springs. Remove the pusher levers by sliding them downward.

2.19 To remove the latchlevers, remove the latchlever springs. Remove the TP158846 spring post attached to the front plate. Remove the latchlevers by rotating them counterclockwise and lifting upward.

SENSING PINS

- 2.20 Position the TP158522 sensing bail eccentric shaft to move the sensing bail to the left (toward sensing cam sleeve).
- 2.21 Rotate the sensing shaft until the sensing bail is in its uppermost position.
- 2.22 Remove all the sensing pin springs. Rotate the bell cranks downward and remove each sensing pin assembly.
- 2.23 When replacing the sensing pins, make sure the sensing bail is in position as outlined in 2.20 and 2.21.

SWITCH ACTUATING MECHANISM (START-STOP, AND/OR TIGHT TAPE)

- 2.24 To remove the switch slide arm assembly, remove the two screws, one nut, and spacer which secure the intermediate plate to the center plate. Remove the nut which secures the bail mounting post to the center plate. Remove the intermediate plate, and remove the bail and slide arm assembly. To replace, reverse disassembly procedure.
- 2.25 To remove the tape-out switch, remove the mounting screws that secure the switch to the front plate. Loosen the screw securing the TP158535 post to the center plate. Remove the screw far enough to allow post removal. Replace in reverse order.

CENTER PLATE ASSEMBLY

- 2.26 To remove the center plate assembly, remove the two screws which secure the TP158535 post in position. Remove the post and studs. Remove the screw, lockwasher, and flat washer from the rear of the TP158531 shaft. Pull away by lifting up on the center plate (the center plate is hooked over the pivot shaft), and working it out to the right.

SENSING ASSEMBLY

- 2.27 To remove the sensing mechanism, remove the pivot shaft by loosening the nut, set collars and the two retaining rings. Slide the shaft out and remove latch bail, pusher bail and the feed lever assemblies. Remove the sensing bail.

CLUTCH TRIP ASSEMBLY

- 2.28 To remove either clutch trip assembly, remove the mounting screws and nuts. The wiring will be long enough to permit most servicing without completely removing the assembly. If necessary, unsolder the leads at the magnet coils.

FRAME ASSEMBLY

- 2.29 Remove all screws and/or nuts that secure eccentric shaft to side frame and/or casting. Remove all screws mounting front and rear plates to casting and disassemble completely.