

28 MULTIPLE-MOUNTED TRANSMITTER-DISTRIBUTOR SETS

(SINGLE-CONTACT AND MULTICONTACT)

DISASSEMBLY AND REASSEMBLY

1. GENERAL

1.01 The disassembly procedures presented in this section, together with those given in the section on general requirements for disassembly of teletypewriter apparatus, will separate the single-contact and the multicontact multiple-mounted transmitter-distributor sets into their major subassemblies.

1.02 This section is reissued to add disassembly procedures for the single-contact multiple-mounted transmitter-distributor set and to change the title accordingly.

1.03 For disassembly routines for the transmitter-distributor units, refer to the sections on disassembly of the 28H (for single-contact) and 28G (for multicontact) transmitter-distributor units.

1.04 To reassemble, reverse the disassembly procedures. Where additional information is required, a Reassembly Note is added.

2. DISASSEMBLY

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

2.01 Transmitter-Distributor Unit: To remove the units from the base, remove the coverplate. Open the hinged panel on the front of the dust cover. Loosen the two screws on the locking device at the right rear corner of the transmitter-distributor unit and slide the locking device to the left. Remove the mounting screw at the front of the unit which secures the unit to the base. Lift the unit out of the cover.

Reassembly Note: To reassemble the unit on the base, reverse the disassembly procedure. Position each unit from left to right so that there is barely perceptible gear play. Tighten the three mounting screws.

2.02 Dust Cover: To remove the dust cover from the base, lift up.

B. Multicontact Multiple-mounted Transmitter-Distributor Set

2.03 Cover: To remove the transmitter-distributor unit from the multiple base, first remove the cover, as follows:

(1) Open the hinged front portion of the cover to provide access to each transmitter-distributor and its attached cradle. Lift off the coverplate. Remove the clamp screw that anchors the cradle in its slide, then lift upward and pull forward to disengage the unit.

(2) Lift the cover upward and move toward the front.

2.04 Transmitter-Distributor Unit: To remove the transmitter-distributor unit from the cradle, proceed as follows:

(1) Remove the two screws and lockwashers which secure the plug connector to the cradle.

Reassembly Note: When the screws are replaced, make sure that the head of each screw is on the outside of the cradle.

(2) Remove the two screws and lockwashers that secure the casting to the rear projection of the cradle. Remove the screw, lockwasher, and nut that secure the casting to the front projection of the cradle. Note that the bushing is mounted with its hex head on the top side of the casting.

(3) Remove the screw, lockwasher, and flat washer that secure the tape deflector to the top plate and the screw, lockwasher, and flat washer that secure the right end of the tape deflector assembly.

(4) Remove the filler-plate mounting screws.

Reassembly Note: Reassemble in the reverse order, taking care not to damage the cable, cable connector, or switches.

2.05 Base: To disassemble the transmitter-distributor base, proceed as follows:

(1) Remove the motor mounting screws without disturbing the shaft height unnecessarily.

(2) Disassemble the left end of the countershaft assembly by removing the screw, together with its lockwasher and flat washer, which threads through the hub collar into the side of the shaft. Then remove the screw, together with its associated lockwasher and flat washers, which threads through the hub into the end

of the shaft. Remove the three screws and lockwashers in the hub, taking care not to allow the horseshoe retainer to fall off the shaft. When a speed change is to be made install the appropriate gear.

Reassembly Note: Reassemble the base as follows:

Note 1: Place the horseshoe retainer on the shaft to the right of and adjacent to the left bearing assembly. On the left side of the bearing assembly, place the flat washer. Place the nut plate in the counterbore of the 48-tooth gear. On the other side of the gear place the spacer, the appropriate driven gear, and the hub. Secure this assembly with three screws and lockwashers (friction tight) and place on the shaft so that the 48-tooth gear is to the right of the driven gear. Tighten the three screws. Next to the hub place the flat washer and secure the pile-up

of parts with the screw, lockwasher, and flatwasher. This assembly procedure must be followed to insure clamping the inner race of the bearing.

Note 2: For units that are equipped with a sprocket or gear at either end of the countershaft, loosen the screw at the end of the shaft and loosen the screw that secures the sprocket hub or gear hub to the shaft. Then tighten the screw at the end of the shaft. This will take up the play between the hub, the bearing, and the retainer ring on the shaft. Then retighten the hub mounting screw.

Note 3: When installing speed drive parts in the field, turn down the hub mounting screw until it is just friction tight. Then tighten the screw at the end of the shaft to take up the play between the hub, the bearing, and the retainer ring on the shaft. Retighten the hub mounting screw.