

**BELL SYSTEM PRACTICES**  
**Teletypewriter and Data Stations**

**SECTION P34.413**  
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## **28C TRANSMITTER-DISTRIBUTOR UNIT DISASSEMBLY AND REASSEMBLY ROUTINES**

### **1. GENERAL**

1.01 The disassembly procedures presented in this section will separate the 28C transmitter-distributor unit into its major subassemblies and should be followed in the sequence in which they are given. Teletype Parts Bulletin 1170B shows the complete disassembly of the transmitter-distributor unit and includes illustrations of the parts referred to below.

1.02 For general instructions relating to the disassembly of teletypewriter apparatus, refer to Section P30.013.

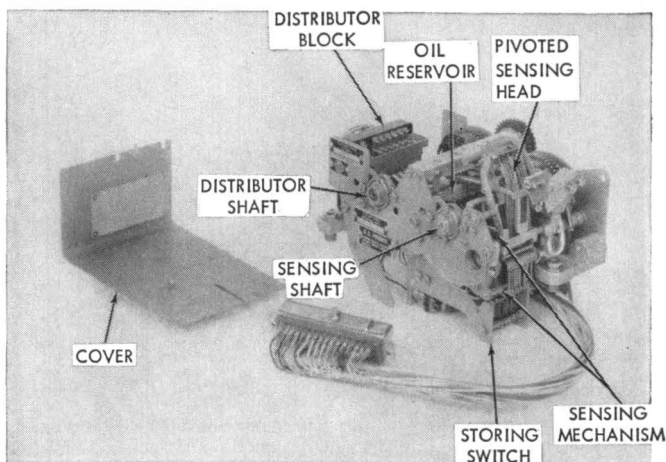
1.03 To reassemble, reverse the disassembly procedures.

1.04 The covers may be removed for inspection and minor repair of the unit. A complete disassembly, however, will necessitate the removal of the unit from its subbase to disconnect the power and facilitate further disassembly.

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**Fig. 1—28C Transmitter-Distributor Unit With Cover Removed**

## **2. DISASSEMBLY**

**2.01 Idler-gear Assembly:** To remove the idler-gear assembly:

- (1) Remove the feed-lever spring and the latch-stripper-bail spring.
- (2) Remove the four screws and lockwashers that secure the reservoir mounting-bar assembly. Remove the bar assembly.
- (3) Pull out the idler-gear oil-retainer plug and remove the leather washer.
- (4) Remove the idler-gear bearing-stud locknut, lockwasher, and flat washer.
- (5) Remove as a unit the idler-gear bearing stud, idler-gear assembly, and spacer.

**2.02 Sensing-shaft Assembly**

- (1) Remove the idler-gear assembly. (See 2.01.)
- (2) Remove the front bearing clamp by removing the three screws and lockwashers.
- (3) Remove the rear bearing clamp by removing the two screws and lockwashers.
- (4) Remove the sensing-shaft assembly.

2.03 **Distributor-shaft Assembly:** To remove the distributor-shaft assembly, follow the procedure given in 2.02.

2.04 **Clutch-trip Assembly**

- (1) Disconnect the wires leading to the clutch magnet.
- (2) Remove the mounting-plate mounting screw, lock-washer, and flat washer; and the plate adjusting screw, lockwasher, and flat washer.
- (3) Withdraw the clutch-trip assembly from the bottom of the unit.

2.05 **Pivot Shaft**

- (1) Remove the sensing-shaft assembly. (See 2.02.)
- (2) Remove the two ring retainers, one of which is under a felt washer.
- (3) Loosen the feed-lever set collars.
- (4) Remove the pivot-shaft nut, lockwasher, and flat washer.
- (5) Remove the pivot shaft by pushing it toward the rear plate, taking care to retain the feed-lever collars and felt washers.

2.06 **Pivoted Sensing Head and Tape Deflector**

- (1) Remove the last-character contact assembly, which is secured by two screws, lockwashers, and flat washers.
- (2) Remove the check-pawl spring.
- (3) Remove the tape-deflector spring.
- (4) Loosen the rear pivot-screw locknut and push the rear pivot screw as far as possible into the casting.
- (5) Pull the sensing pins down and free from the top plate.
- (6) Loosen the front pivot-screw locknut.
- (7) Turn the front pivot screw until the tape deflector is free from the pivot screw.
- (8) Remove the sensing head and the tape deflector.

2.07 **Storing-switch Assembly**

- (1) Disconnect the cable.
- (2) Remove the four mounting screws, lockwashers, and flat washers.
- (3) Remove the storing-switch assembly.

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**2.08 Distributor-block Assembly**

- (1) Disconnect the cable.
- (2) Remove the three mounting screws, lockwashers, and flat washers.
- (3) Remove the distributor-block assembly.

**4. REFERENCE TO BELL SYSTEM PRACTICES**

4.01 The following Bell System Practices provide additional information that may be required in connection with this section.

| <u>Subject</u>                                                      | <u>Section</u> |
|---------------------------------------------------------------------|----------------|
| Teletypewriter Apparatus, General Requirements and Procedures       | P30.012        |
| Teletypewriter Apparatus, Lubrication, General Requirements         | P30.011        |
| Teletypewriter Apparatus, Disassembly, General Requirements         | P30.013        |
| Teletypewriter Apparatus, Preparation of Apparatus for Installation | P33.014        |
| Teletypewriter Tools and Maintenance Supplies                       | P30.301        |
| 28 Teletypewriter Apparatus, Index of Bell System Practices         | P34.001        |