

BELL SYSTEM PRACTICES
Teletypewriter and Data Stations

SECTION P34.412
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AT&TCo Standard

28B AND 28C

TRANSMITTER-DISTRIBUTOR UNITS

DISASSEMBLY AND REASSEMBLY ROUTINES

1. GENERAL

1.01 The disassembly procedures presented in this section will separate the 28B or 28C transmitter-distributor unit into its major subassemblies and should be followed in the sequence in which they are given. The material herein, together with that given in the section covering general information and routines for the disassembly and reassembly of teletypewriter apparatus, provides the complete disassembly and reassembly information for maintenance of this equipment.

1.02 This section is reissued to combine the disassembly and reassembly routines for the 28C transmitter-distributor unit with those for the 28B transmitter-distributor unit and to bring up to date the disassembly and reassembly procedures for both units.

1.03 To reassemble, reverse the disassembly procedures. Where additional information is required, a **Reassembly**

Note is added.

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.

1.05 Unless otherwise indicated, the disassembly procedures in Part 2 of this section are common to both the 28B and 28C transmitter-distributor units.

2. DISASSEMBLY

2.01 **Coverplate Assembly** (28B Unit Fixed Head): Lift the left end upward and slide the plate to the left to disengage the spring clip.

2.02 **Top Plate Assembly** (28B Unit Fixed Head): Loosen the front and rear mounting screws and lift the plate upward.

Reassembly Note: Guide the mounting screws into the notches in the front and rear plates in the unit. Align and adjust the top plate position.

2.03 **Tape-guide Plate Assembly** (28B Unit Fixed Head): Loosen the front and rear mounting screws and slide the plate upward.

Reassembly Note: Guide the mounting screws into the notches in the front and rear plates in the unit. Align and adjust the tape-guide plate position.

2.04 **Coverplate** (Pivoted Head)

- (1) Loosen the captive screw on top.
- (2) Loosen the two mounting screws on the left.
- (3) Lift the plate up.

2.05 **Idler Gear Assembly**

- (1) Remove the feed-lever spring and latch-stripper-bail spring.
- (2) Remove the oil-reservoir bar assembly by removing the screws, lockwashers, and flat washers holding the bar to its mounting bracket.
- (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, and spacer (if used).

2.06 **Sensing Shaft Assembly** (Pivoted Head)

- (1) Remove the **idler gear assembly** as covered in previous paragraph.
- (2) Remove the front bearing clamp by removing the three mounting screws and lockwashers.
- (3) Remove the rear bearing clamp by removing the two mounting screws and lockwashers.
- (4) Remove the sensing shaft assembly.

2.07 **Distributor and Sensing Shaft Assembly** (28B Unit Pivoted and Fixed Head): Follow the procedure for removing the **sensing shaft assembly**.

2.08 **Distributor Shaft Assembly** (28C Unit): Follow the procedure for removing the **sensing shaft assembly**.

2.09 Clutch Trip Assembly

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

2.10 Pivot Shaft

- (1) Remove the **sensing shaft assembly** or the **distributor and sensing shaft assembly** as covered in previous paragraphs.
- (2) Remove the two ring retainers, one of which is hidden under a felt washer.
- (3) Loosen the feed-lever collar setscrews.
- (4) Remove the pivot-shaft nut, lockwasher, and flat washer.
- (5) Remove the pivot shaft by pushing it toward the rear plate, being careful not to lose the feed-lever collars and felt washers.

2.11 Pivoted Sensing Head and Tape Deflector

- (1) Remove the last-character contact assembly.
- (2) Remove the check-pawl spring.
- (3) Remove the tape-deflector spring.
- (4) Loosen the rear pivot-screw locknut and run 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 tape deflector.

2.12 Storing Switch Assembly

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

2.13 Distributor Block Assembly

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

3. ASSOCIATED BELL SYSTEM PRACTICES

3.01 Other Bell System Practices that may be required in connection with this section are listed in Section P34.001, Alphabetical Index of 28-type Equipment, Bell System Practices, and Associated 28ASR Station Drawings.