

BELL SYSTEM PRACTICES
Teletypewriter and Data Stations

SECTION P34.420
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AT&T Co. Standard

28 REPERFORATOR-TRANSMITTER SET, UNIT, AND STAND

DISASSEMBLY AND REASSEMBLY ROUTINES

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1. GENERAL

1.01 This section contains the specific disassembly instructions for the 28 reperforator-transmitter set, unit, and stand, and where necessary, includes the detailed reassembly information. The material herein, together with the section entitled Teletypewriter Apparatus, Disassembly and Reassembly, General Information and Routines, provides the complete disassembly and reassembly information for maintenance.

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2. DISASSEMBLY AND REASSEMBLY

A. 28 Reperforator-Transmitter Set

2.01 To disassemble a 28 reperforator-transmitter set, remove the 28 reperforator-transmitter unit from the 28A reperforator-transmitter stand as follows:

- (1) Remove the tape-winder drive belt from the tape-winder drive pulley.
- (2) Disconnect all plugs from their connectors located on the frame of the reperforator-transmitter stand.
- (3) Loosen the three captive screws that secure the unit to the stand.
- (4) Lift the unit from the stand.

B. 28 Reperforator-Transmitter Unit

2.02 Nontyping Reperforator If So Equipped

- (1) Refer to the section entitled 28 Nontyping Reperforator, Disassembly and Reassembly Routines.

Reassembly Note: After remounting a typing or nontyping reperforator or a transmitter-distributor, check the interrelated adjustments contained in the section entitled 28 Reperforator-Transmitter Unit and Set, Requirements and Adjustments.

2.03 Typing Reperforator If So Equipped

- (1) Refer to the section entitled 28 Typing Reperforator, Base, and Cover, Disassembly and Reassembly Routines.

Reassembly Note: Refer to 2.02 reassembly note.

2.04 Transmitter-Distributor

- (1) Disconnect the line shunt cable connectors.
- (2) Remove the two screws that secure the two transmitter-distributor cable clamps.
- (3) Remove the mounting screws that secure the 32-point connector.
- (4) Remove the transmitter-distributor gear guard from the base.
- (5) Remove the three mounting screws that secure the transmitter-distributor to the base.
- (6) Lift the transmitter-distributor from the base.
- (7) If it is necessary to disassemble the unit, refer to the section containing the disassembly and reassembly routines for the 28C transmitter-distributor.

(8) Refer to 2.02 reassembly note.

(9) If it is necessary to remake the **Vertical Alignment of a Pivoted Sensing Head and Punch** adjustment, do not replace the cable clamps and the 32-point connector until the adjustment is completed.

2.05 **Motor Unit**

(1) Refer to the section entitled 28 Motor Unit, Disassembly and Reassembly Routines.

2.06 **Tape-winder Drive Bracket Assembly**

(1) Remove the four mounting screws, lockwashers, and flat washers that secure the tape-winder drive bracket to the base.

(2) Remove the bracket.

2.07 **Cross Shaft Assembly**

(1) Remove the screw and lockwasher that secure the bearing clamp.

(2) Remove the cross-shaft-bearing retaining screws, washers, and nuts.

(3) Remove the cross-shaft-driven-gear-hub mounting screw and lockwasher.

(4) Slide the cross shaft assembly sideways out of the bearing seats.

(5) Remove the cross shaft assembly.

2.08 **Gear Bracket Assembly (Fixed or Shift Gears)**

(1) Remove the gear covers.

(2) Remove the three gear-bracket mounting screws and washers.

(3) Remove the gear bracket assembly.

2.09 **Variable Features**

(1) Disassembly and reassembly routines for the variable features is as specified in the sections covering the disassembly and reassembly routines for the previously mentioned components of the 28 reperforator-transmitter unit.

C. 28A Reperforator-Transmitter Stand

Note: Before proceeding with the disassembly of the stand, remove the tape-supply and take-up reels and the intermediate tape storage bin. After reassembly, route the tape as shown in Fig. 1 and thread the tape onto the tape winder reel, fold the end of the tape, and

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insert it, chad side up, into the slot in the right-hand reel core. **Fig. 1**

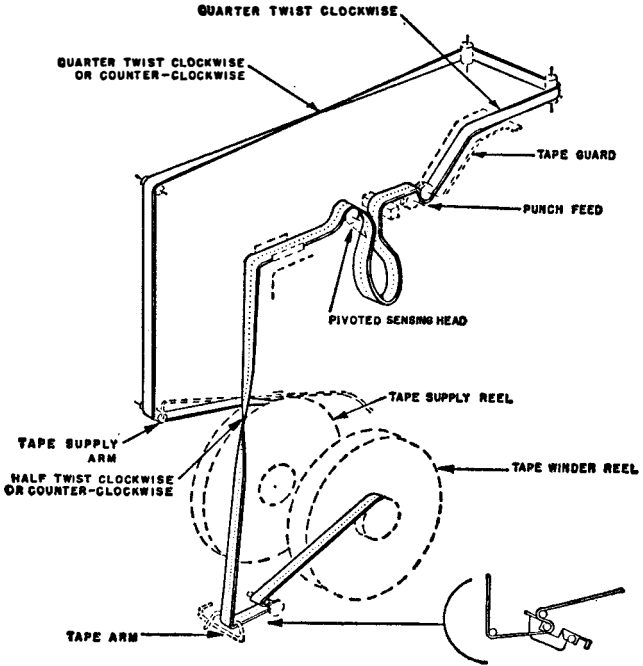


Fig. 1 — Tape Routing

2.10 Tape Winder Assembly

- (1) Remove the two screws and lockwashers that secure the mounting bracket for the capacitor to the tape-winder base plate.
- (2) Remove the two screws, lockwashers, and flat washers that secure the support bracket to the tape-winder support bracket.

- (3) Remove the four screws, lockwashers, and flat washers that secure the tape winder assembly to the frame of the stand.
- (4) Remove tape winder assembly.

2.11 Clutch Shaft Assembly

- (1) Remove the drive-shaft-gear-hub mounting screw and lockwasher.
- (2) Remove the drive shaft gear and hub.
- (3) Remove the drive shaft belt.
- (4) Unhook the stoplever spring.
- (5) Remove the two screws, lockwashers, and flat washers that secure the drive-shaft gear bracket to the tape-winder support bracket.
- (6) Remove the drive-shaft gear bracket with the stoplever attached.
- (7) Remove the two screws, lockwashers, and flat washers that secure the outer clutch bearing bracket to the outer plate.
- (8) Remove the outer clutch bearing bracket.
- (9) Remove the two screws, lockwashers, and flat washers that secure the inner bearing plate to the outer plate.
- (10) Remove the clutch shaft assembly.

3. ASSOCIATED BELL SYSTEM PRACTICES

3.01 The following Bell System Practices provide additional information that may be required for use with this section.

<u>Subject</u>	<u>Section</u>
General Information and Routines for Disassembling and Reassembling Teletypewriter Apparatus	P30.013
General Requirements and Adjusting Procedures for Teletypewriter Apparatus	P30.012
Preparation of Teletypewriter Apparatus for Installation	P33.014
Teletypewriter Tools and Maintenance Supplies	P30.301
Alphabetical Index of 28-type Equipment, Bell System Practices and Associated 28 ASR Station Drawings	P34.001

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