

28 ELECTRICAL SERVICE UNITS
DISASSEMBLY AND REASSEMBLY

1. GENERAL

1.01 This section provides disassembly and reassembly instructions for 28 electrical service units used in teletypewriter sets. It is reissued to provide additional information in a standardized format. Since this is a general revision, marginal arrows ordinarily used to indicate changes and additions have been omitted.

1.02 When it is necessary to remove the various components from the electrical service unit, the appropriate wiring diagrams should be used as a reference.

1.03 After the disassembly procedure has been followed, reassembly procedure for most components is obviously a reversal of the disassembly procedure. Where necessary, reassembly information is given.

Note: Remove power from unit before starting disassembly procedure.

2. DISASSEMBLY AND REASSEMBLY

2.01 Removal of 28 Electrical Service Unit from 28 Teletypewriter Cabinet used with 28 Keyboard Send-Receive (28 KSR) or Receive-Only (28 RO) Teletypewriter.

- (1) Raise dome of cabinet and disconnect all plugs and receptacles from the typing unit.
- (2) Remove the typing unit in accordance with the section entitled "28 Typing Unit, Disassembly and Reassembly."
- (3) Disconnect all plugs and receptacles from the keyboard and remove the keyboard.
- (4) Remove the mounting studs from each end of the electrical service unit.

Note: The electrical service unit may now be turned upside down for servicing or unwiring components.

(5) The various components may be removed from the unit by removing their mounting screws on the top side of the unit and disconnecting cabling and wires.

(6) If it is desirable to remove the electrical service unit completely from the cabinet, disconnect the remaining wires and cables.

2.02 Removal of Electrical Service Unit from Skin-Tight KSR Sets (Located behind the typing unit cover):

- (1) Unlatch electrical service unit cover at each end and lift cover off.
- (2) Remove the mounting studs from each end of the electrical service unit and lift unit off base.
- (3) Remove various components from the electrical service unit by removing their mounting screws and disconnecting wire or cable connections as necessary.

2.03 Removal of 28 Electrical Service Unit from 28 Automatic Send-Receive Sets (28 ASR):

(a) Without auxiliary equipment

- (1) Raise the dome of the cabinet and disconnect all plugs and receptacles from the typing unit.
- (2) Remove the typing unit in accordance with the section entitled "28 Typing Unit, Disassembly and Reassembly."
- (3) Disconnect all plugs and receptacles from the perforator-transmitter base.
- (4) Remove the mounting studs from each end of the electrical service unit.
- (5) Remove the power control switch assembly bracket at the right end of the unit and the line-test-key control assembly at the left end.
- (6) Remove various components from the electrical service unit by removing their mounting screws and disconnecting wire or cable connections as necessary.

(7) If it is desirable to remove the electrical service unit completely from the cabinet, disconnect the remaining wires and cables.

Note: On some sets it may be necessary to remove the perforator transmitter in order to completely remove the electrical service unit. If necessary, refer to the appropriate section for removing the equipment from the cabinet.

(b) With auxiliary equipment

Note: When Automatic Send-Receive Sets include an auxiliary typing reperforator, an electrical service unit is used in the

lower compartment of the ASR cabinet. To disassemble these units, open the bottom compartment.

(1) Disconnect all plugs and receptacle connections between the electrical service unit and other components and from the cabinet terminal boards.

(2) Remove the studs securing it to the relay rack and lift unit out.

(3) Remove various components from the electrical service unit by removing their mounting screws and disconnecting wire and cable connections as necessary.