

## 35 CONTROLMATIC TELETYPEWRITER DATA STATION ARRANGED FOR PRIVATE LINE SERVICE MAINTENANCE

### 1. GENERAL

**1.01** This practice describes procedures to be followed when performing maintenance which requires removal and replacement of Data Auxiliary Set 820D2.

**1.02** This practice does not include procedures for routine servicing of the teletypewriter (TTY) portion of the data station or for maintenance of Data Auxiliary Set 820D2. TTY components should be serviced to assure reliable performance in accordance with BSP Sections 574-YYY-ZZZ applicable to 35 ASR equipment.

**1.03** The Data Auxiliary Set 820D2, equipped with 108A-, 108C-, or 109A-type Data Set, maintenance procedures are covered in Sections 591-023-301 and 591-024-301, respectively.

**1.04** When maintenance or trouble indications suggest that Data Auxiliary Set 820D2 must be replaced, refer to 2.01 and 2.02.

### 2. MAINTENANCE PROCEDURES

**2.01** Data Auxiliary Set 820D2 is mounted in the kneewell, behind the front panel of the TTY (see Fig. 1). To gain access to the set, proceed as follows:

- (a) Remove the chad box by lifting it up and away from the front panel.
- (b) Release the front panel by momentarily operating the two pushbutton latches at the top of the panel.
- (e) Depress the safety clip underneath the keyboard and lower the front panel to the floor.
- (d) Remove the front panel by lifting at the rear to separate the hinge.



*Before removing the data auxiliary set from the apparatus mounting, insure that ac power has been disconnected from the data station.*

**2.02** Refer to Fig. 2 and the following procedures for removal of Data Auxiliary Set 820D2.

- (a) Disconnect the ac power connector (M3AY cord) from the data auxiliary set.
- (b) Disconnect the EIA TTY interface connector (J3) from the data auxiliary set.
- (c) Disconnect the signal line tip (T) and ring (R) connections from terminals 1 and 2 of terminal strip A.
- (d) Remove the spring mounting clips on the 180A backboard and remove the data auxiliary set by lifting vertically.



*Before installing a replacement data auxiliary set, insure that the proper options have been installed in the data sets per customer requirements.*

**2.03** The replacement data auxiliary set is installed by reversing the procedures outlined in 2.01 and 2.02.

**2.04** Refer to Sections 591-023-201 and 591-024-201 for instructions for providing options for Data Sets 108A-, 108C-, and 109A-type.

**2.05** Perform necessary installation tests to verify that the data set is operating properly.

**2.06** When a defective data auxiliary set is replaced, the unit that is to be returned to the distributing house should be packed carefully to protect the unit in transit. Tag defective unit and describe the nature of the trouble as completely as possible.

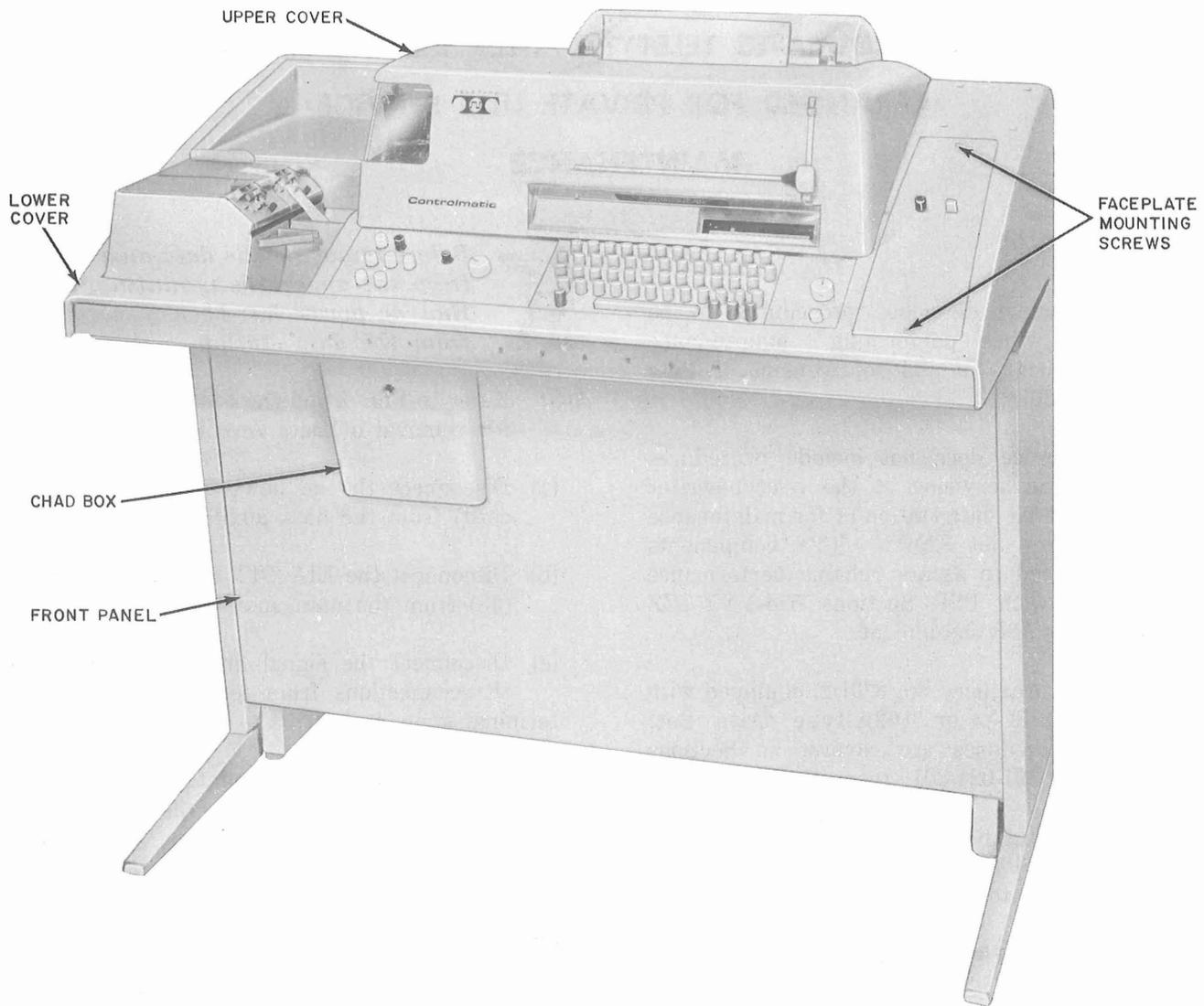


Fig. 1—CONTROLMATIC Model 35 TTY Arranged for Private Line Service

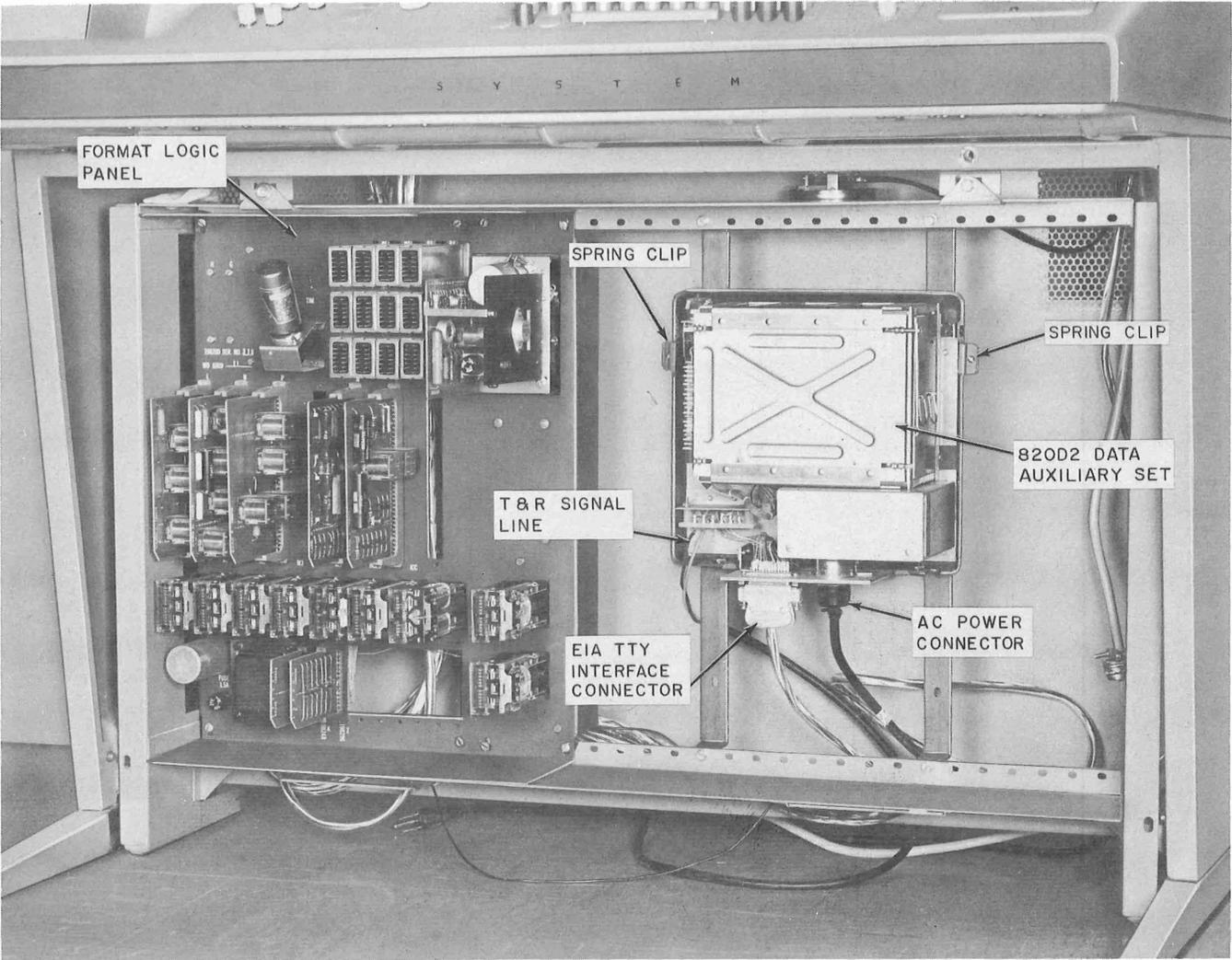


Fig. 2—Data Auxiliary Set 820D2 Mounting