

DATA SET 112A-TYPE

MAINTENANCE

1. GENERAL

1.01 This section covers the maintenance procedures to be performed for Data Set 112A-type.

1.02 Routine maintenance of Data Set 112A-type is not required.

1.03 For a detailed circuit analysis of Data Set 112A-type, refer to CD- and SD-1D168-01. Schematic circuits for the circuit pack (CP) is covered in SD-1D168-01.

1.04 Data sets that are in trouble are to be delivered to one of the data set maintenance depots which are located in major cities across the United States. While at the depot, the data sets in trouble should be tested as described in the section entitled Data Set 112A-Type—Test Procedures (591-032-500). In order to gain access to the circuit pack board to perform tests and adjustments, remove the bottom cover as described in 3.01. If the data set meets test requirements: (a) Check for connector and cord defects. (b) Check for intermittent trouble in the data set wiring.

2. TOP COVER REMOVAL AND REPLACEMENT

2.01 Cover Removal:

(a) Open interface connector cover and remove the right-hand cap screw (Fig. 1).

(b) Raise the rear portion of the top cover and remove the four round-head self-tapping screws which hold cover to chassis (Fig. 2).

(c) Release cover latch at front of data set and remove top cover.

2.02 The top cover may be replaced by reversing the procedure described in 2.01.

3. BOTTOM COVER REMOVAL AND REPLACEMENT

3.01 Cover Removal:

(a) Open interface connector cover and remove the left-hand cap screw (Fig. 1).

(b) Remove the two button-head cap screws on bottom of data set.

(c) Remove bottom cover.

3.02 The bottom cover may be replaced by reversing the procedure described in 3.01.

4. LAMP REPLACEMENT

4.01 To replace a defective DATA lamp, remove the bottom cover as described in 3.01, refer to Fig. 3, and perform the following:

(a) Remove either of the round-head machine screws which hold the socket halves in place.

(b) Withdraw the defective lamp from the lamp cover assembly and replace with a new KS-14178 L2 lamp.

(c) Position the removed socket half in place at the lamp base and replace the round-head machine screw removed in (a).

(d) Replace the bottom cover by reversing the procedure described in 3.01.

5. LA2 TRANSDUCERS

5.01 If the data set will not accommodate the 300-series or TRIMLINE®-type handsets, perform the following

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- (a) Remove the bottom cover from the data set as described in 3.01.
- (b) Verify that the receive and transmit LA transducers are positioned as shown in Fig. 3.
- (c) If no tests are to be performed, replace the bottom cover by reversing the procedure described in 3.01.

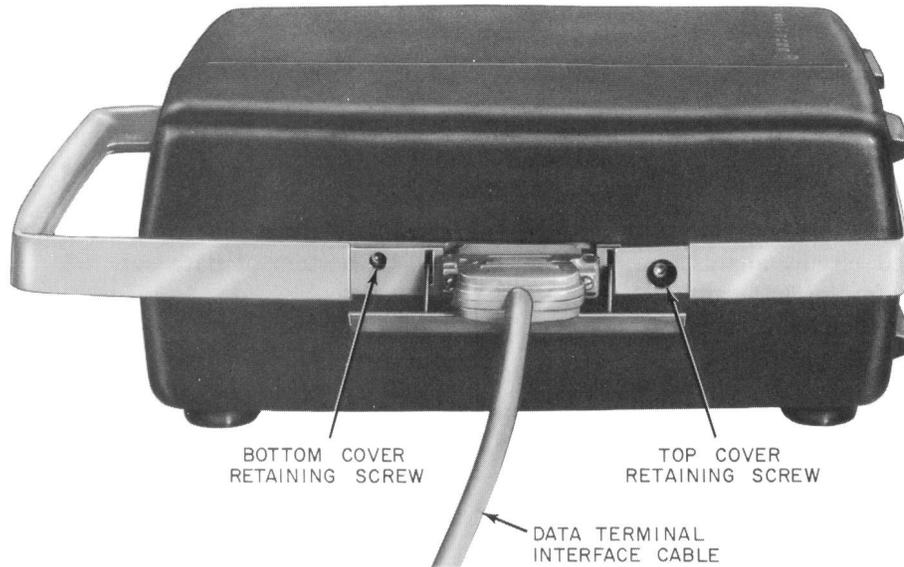


Fig. 1—Interface Connector From Rear of Data Set 112A-Type

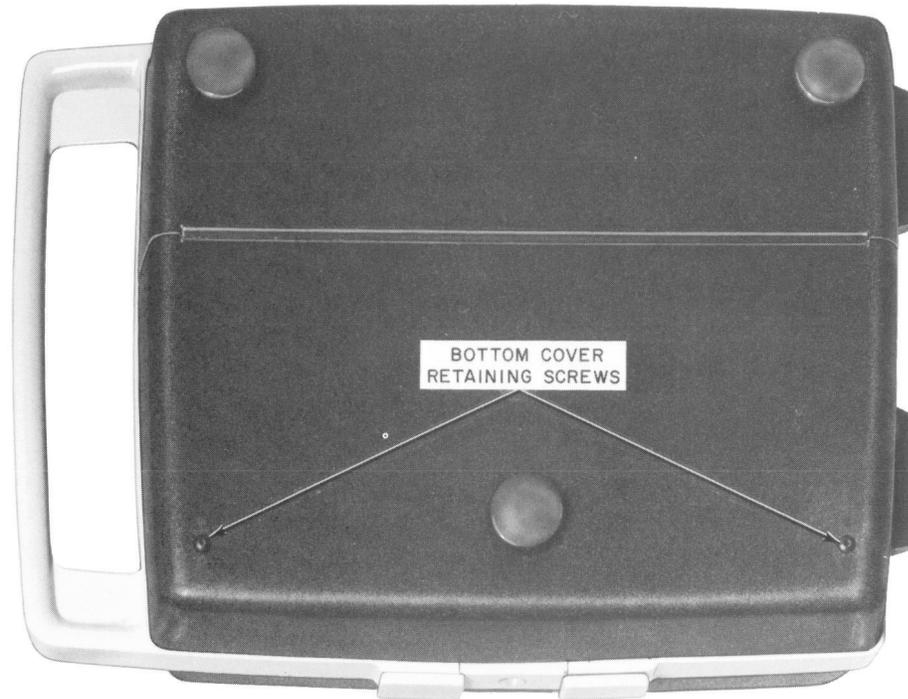


Fig. 2—Bottom of Data Set 112A-Type

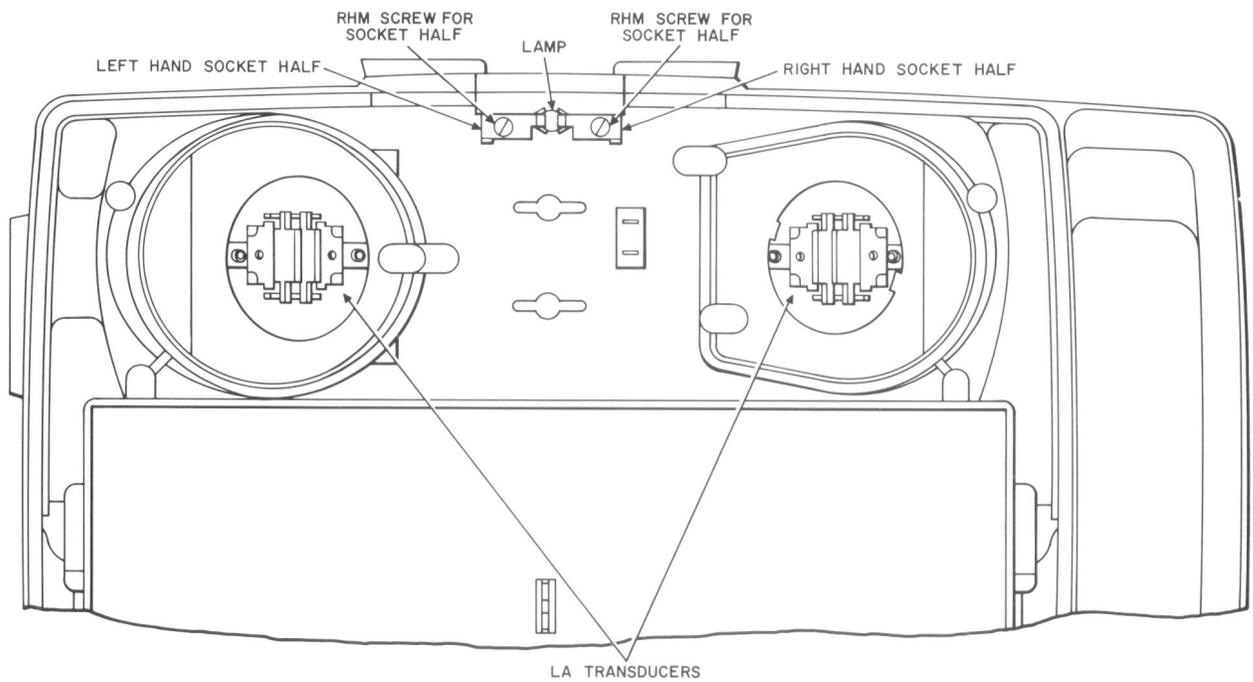


Fig. 3—LA2 Transducer Positioning and Data Lamp Access