

DATA SET 113A-TYPE MAINTENANCE

1. GENERAL

1.01 This section covers the maintenance procedures to be performed for Data Set 113A-type (Fig. 1).

1.02 This section is reissued to include information pertaining to Data Sets 113A-L1/2 and 113A-L1A/2 equipped with options V, W, or X. Since this issue is a general revision, arrows ordinarily used to indicate changes have been omitted.



Fig. 1—Data Set 113A-L1A

1.03 Routine maintenance of Data Set 113A-type is not required. For a general description of the DATA-PHONE® maintenance philosophy, refer to the section entitled Data Systems—DATA-PHONE Service on Direct Distance Dialing Network—Overall Field Force Maintenance Procedures (590-010-300).

1.04 For a detailed circuit analysis of Data Set 113A-type, refer to CD- and SD-1D167-01.

1.05 Data Sets that are likely to be in trouble should be tested as described in the section entitled Data Set 113A-Type—Test Procedures (591-033-500). If the data set meets the test requirements:

- (a) Verify with the customer that the data terminal tests satisfactorily.
- (b) Check for connector and cord defects.
- (c) Check for intermittent trouble in the station wiring.
- (d) Verify that the transmission facility meets transmission requirements outlined in the section entitled Data Systems—DATA-PHONE Service on Direct Distance Dialing Network—Test Requirements for Subscriber, Foreign Exchange, and Remote Exchange Lines (314-205-501).

1.06 Data sets which do not meet test requirements should be replaced in order to restore customer service as quickly as possible.

1.07 Prior to installing a replacement data set, ensure that the proper options as shown on the service order or circuit layout record card are installed in the replacement unit. After the replacement data set is installed, reset the transmit level as described in the section entitled Data Set 113A-Type—Installation and Connection (591-033-200) and test it as described in the section entitled Data Set 113A-Type—Test Procedures (591-033-500).

1.08 Verify that the customer service is satisfactory before leaving premises.

1.09 Exercise care in handling and transporting the data sets. Whenever possible, use original cartons to store, transport, or ship data sets.

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1.10 If maintenance spare data sets are stocked, verify that they are checked and ready for immediate installation.

2. COVER REMOVAL AND REPLACEMENT

2.01 Rear Cover Removal:

- (a) Loosen but do not remove the two captive screws at the rear and two captive screws at the sides of the data set (Fig. 2).
- (b) Carefully lift rear cover.

2.02 Front Cover Removal (Data Sets 113A-L1/2 and 113A-L1A/2):

Note: The rear cover **must** be removed before removing the front cover.

- (a) Loosen but do not remove the two captive screws at the front of the data set (Fig. 2).

- (b) Carefully lift front cover.

2.03 Front Cover Replacement (Data Sets 113A-L1/2 and 113A-L1A/2):

- (a) Carefully lower front cover into position and ensure that the captive screws align with the cover nuts.
- (b) Tighten the two front captive screws.

2.04 Rear Cover Replacement:

Note: The front cover **must** be replaced before replacing the rear cover.

- (a) Carefully lower rear cover into position and ensure that the captive screws align with the cover nuts.
- (b) Tighten two rear captive screws and two side captive screws.

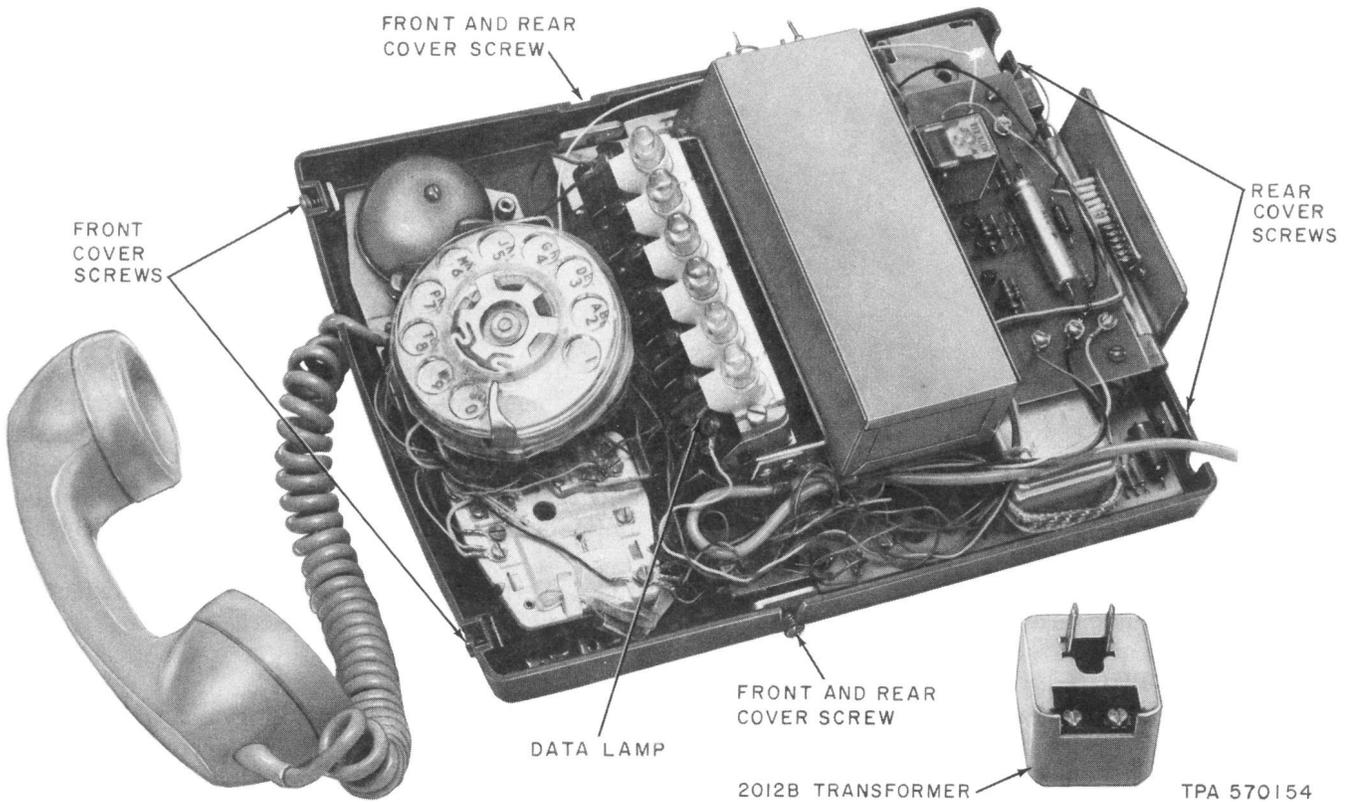


Fig. 2—Data Set 113A-L1/2, Front and Rear Covers Removed

3. DATA LAMP REMOVAL AND REPLACEMENT (DATA SETS 113A-L1/2 AND 113A-L1A/2)

3.01 *Data Lamp Removal:*

- (a) Remove rear cover (2.01).
- (b) Remove front cover (2.02).
- (c) Remove defective lamp (Fig. 2).

3.02 *Data Lamp Replacement:*

- (a) Insert new 51A lamp into socket and push into place (Fig. 2).
- (b) Replace front cover (2.03).
- (c) Replace rear cover (2.04).