

DATA SET 103G-TYPE MAINTENANCE

1. GENERAL

1.01 This section covers maintenance procedures to be performed for Data Set 103G-type.

1.02 This section is reissued to provide information on the Data Sets 103G5 and 103G6 which use the Data Set 103E6. Coverage of the Data Sets 103G1 through 103G4, which use Data Set 103E5, is retained to provide information for the equipment still in service. Since this reissue covers a general revision and changes have been made throughout the section, change arrows have been omitted.

1.03 Routine maintenance is not required for Data Set 103G-type.

1.04 For detailed circuit analysis, refer to CD- and SD-1D096-01. Schematic circuits for the individual circuit packs (CPs) are covered in SD-1D147-01.

1.05 Data sets suspected of being in trouble should be tested as described in the section entitled Data Set 103G-Type, Test Procedures (591-026-500). If the data set meets the test requirements:

- (a) Verify with customer that business machine and associated cords test satisfactorily.
- (b) Check for connector and cord defects.
- (c) Check for intermittent trouble in station wiring.

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

Note: When replacing the data set, verify that the proper options are installed.

1.07 When the data set is replaced, the replacing data set should be tested as described in

the section entitled Data Set 103G-Type, Test Procedures (591-026-500).

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



To prevent damage to circuit packs, disconnect power cord plug from power receptacle before connecting or disconnecting circuit packs or changing option screws.

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

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

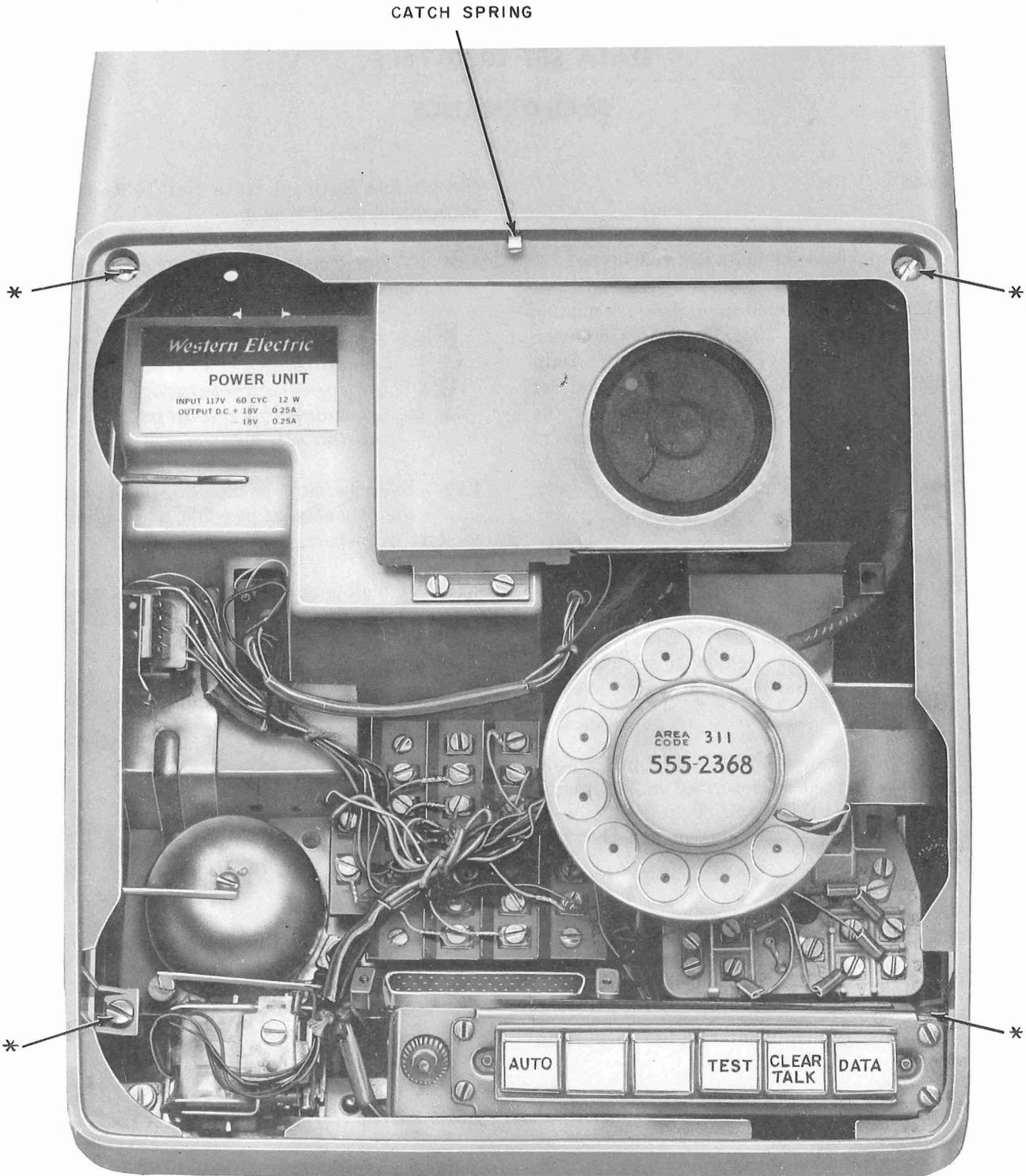
2. COVER REMOVAL AND REPLACEMENT

2.01 Cover Removal:

- (a) Remove the faceplate by moving back the catch spring located at the top of the faceplate.
- (b) Loosen but do not remove the four captive screws located at each corner of the faceplate mounting flange (Fig. 1).
- (c) Carefully lift cover off base pan of data set.

2.02 Cover Replacement:

- (a) Carefully lower cover into position, verifying that the cover screws align with the base pan threaded inserts.
- (b) Tighten cover screws.
- (c) Install faceplate.



* COVER RETAINING SCREWS

Fig. 1—Data Set 103G-Type—Top View With Cover Removed

3. CIRCUIT PACK REMOVAL PROCEDURE

3.01 The following circuit pack removal procedure may be performed only by the telephone company.

3.02 Procedure:



Verify that the power cord plug is not connected to the power receptacle.

- (a) Remove the cover (Refer to 2.01).
- (b) Loosen the two retaining screws at the top rear of Data Set 103E-type. Raise the card guide to a vertical position.
- (c) Disengage the retaining bracket by lifting vertically. Lower the bracket to a horizontal position.
- (d) Circuit packs may be removed by grasping the card and withdrawing it from the data set.

4. DATA SET 103E-TYPE REMOVAL PROCEDURE

4.01 Data Set 103E-type is removed as follows:

- (a) Remove cover (2.01).
- (b) Remove two mounting screws and disconnect 50-pin plug and connector assembly (Fig. 2).
- (c) Place the data set on left side (Relay Board Assembly on top).
- (d) While supporting Data Set 103E-type with one hand, remove the four mounting screws located at the rear of the data set base pan.
- (e) Remove Data Set 103E-type by withdrawing the cable from the telephone set and lifting vertically.
- (f) Reverse the preceding procedure to reinstall the Data Set 103E-type.

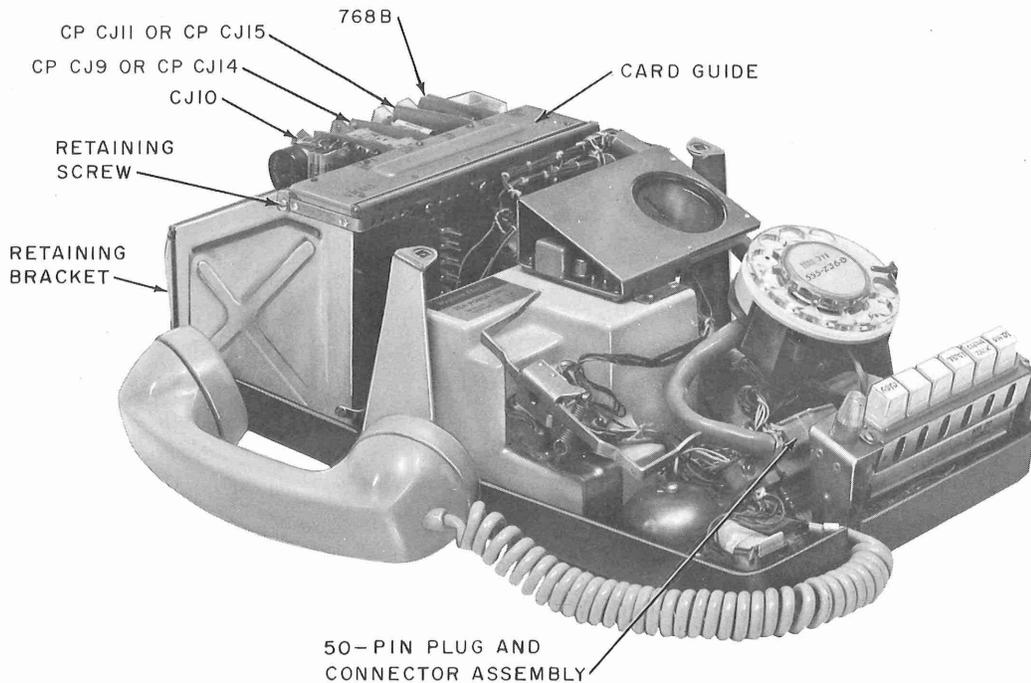


Fig. 2—Data Set 103E5 or 103E6 Mounted in Data Set 103G-Type