

DATA SET 603A-TYPE FOR TRANSMISSION OF MEDICAL ANALOG DATA MAINTENANCE

1. GENERAL

1.01 This section covers the maintenance of data sets 603A1 and 603A2. The data set model can be identified by looking at the type of dial used. Data set 603A1 uses a rotary dial as shown in Fig. 1, and data set 603A2 uses a TOUCH-TONE® dial as shown in Fig. 2.

1.02 This section is reissued to include a wiring change that should be made on the next maintenance visit. The yellow and black wires of the D4BJ-61 cord connected to terminal TB1-13 should be moved to terminal TB1-20 to give added protection against installation or rearrangement wiring errors.

1.03 No routine maintenance of data set 603A-type is required; therefore, maintenance is limited to the replacement of defective major components, such as a power cord or printed wiring board. If the trouble cannot be cleared in this way, the entire unit is replaced and the defective unit returned for repairs.

Note: ♦ Check terminal block TB1 and verify that the yellow and black wires of the D4BJ-61 cord are connected to terminal TB1-20. If they are connected to terminal TB1-13, then remove the yellow and black wires from terminal TB1-13 and connect them to terminal TB1-20. On the 42A or 47B connecting block, the yellow and black wires should be removed from the Y and B terminals and taped and stored. ♦



Fig. 1—Data Set 603A1—Front View



▶ Fig. 2—Data Set 603A2—Front View ◀

1.04 Any data set or printed wiring board that is to be returned to the distributing house should be packed carefully (in original cartons, if available) to protect the units in transit. Properly tag defective units and describe the nature of the trouble as completely as possible.

2. SERVICE INSTRUCTIONS

2.01 If trouble with the data set is suspected or indicated by data test center tests, the following steps should be taken:

- (a) Check for cord and connector defects.
- (b) Ensure that the option wiring is correct and that the proper options are installed. Refer to the section entitled Data Set 603A-Type For Transmission of Medical Analog Data—Installation (596-012-200) for options and connections.
- (c) Data set 603A-type must be tested as outlined in the section entitled Data Set 603-Type for Transmission of Medical Analog Data—Test Procedures (596-012-500).

Note: When a data set is replaced, the new unit must be the same model and wired with the proper options. Substituting a data set 603A2 (TOUCH-TONE) for a data set 603A1 may require that the connecting line facilities be modified to be compatible with the type of dial used on the set that is being installed.

2.02 Power for the data set is supplied by an external transformer (normally a 2012B which is part of the M2EP cord assembly). This transformer, which does not contain fuses, is connected directly to the customer-furnished power receptacle. The receptacle should not be controlled by a switch.

2.03 The procedure for the removal of the covers is as follows:

- (a) Loosen, but do not remove the six captive screws holding the cover to the base pan.
- (b) Lift off the rear cover first by freeing the cover from the wedges and lifting straight up.
- (c) The front cover may now be removed. Make sure that the cover is not caught on the dial assembly.

2.04 The procedure for the replacement of the covers is as follows:

- (a) Position the front cover over the dial assembly and lower the cover into place.
- (b) Position the rear cover in place making sure that the cover is seated so that the cover wedges will hold it in place.
- (c) Tighten the captive cover screws.

3. REPLACEMENT PROCEDURES

3.01 If the trouble condition requires replacement of the data set, refer to Section 596-012-200 for information on option connections and installation procedures.

3.02 If the trouble encountered with the data set indicates that the printed wiring board should be replaced, this can be accomplished by removing the rear cover, removing the screws holding the printed wiring board, and pulling the printed wiring board straight out of the connector. The new board is then inserted into the connector, the screws replaced, and the cover installed. See Fig. 3 for removal and replacement of the printed wiring board.

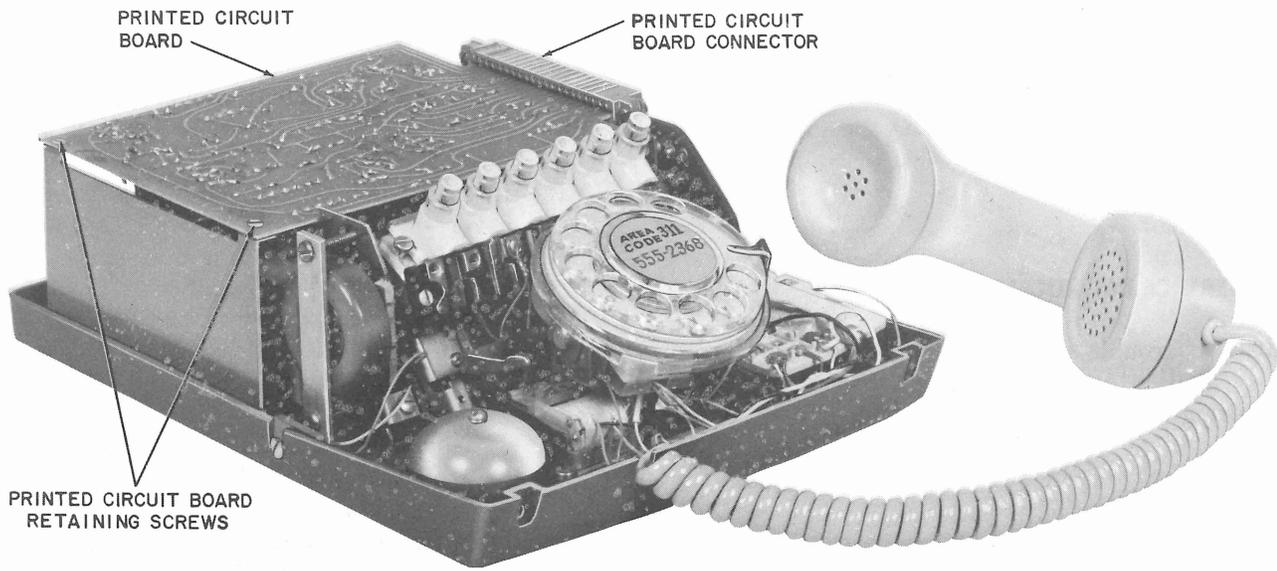


Fig. 3—Data Set 603A1—Covers Removed