

## DATA SET 403A-TYPE RECEIVER MAINTENANCE

### 1. GENERAL



*The interim production will be coded X403A-type.*

**1.01** This section describes replacement procedures for components of Data Set 403A-type to maintain the data set. It does not include information concerning the business machine used with the data set.

**1.02** This section is reissued to change the rating from AT&TCo Special to AT&TCo Standard.

**1.03** No routine maintenance of the data set is required.

**1.04** For a detailed description of the Data Set 403A-type, refer to CD and SD-1D072-01.

**1.05** Maintenance of the data set on the customer's premises should be limited to testing with the data test center, or replacing a defective data set; however, the following information is provided so that the data set can be repaired if desired.

**1.06** Maintenance of the Power Supply (J87258A1 L1) unit is limited to complete unit replacement.

**Note:** Do not attempt individual component repair or replacement on this unit.

**1.07** Printed board assembly repair is limited to complete assembly replacement. Refer to section entitled Data Set 403A-Type Receiver Identification and Operation (594-023-100) for identification and description of the printed boards.

**Note:** Do not attempt individual component repair or replacement on this assembly.

**1.08** When test, or demonstration calls are made, refer to section entitled Crediting Charges on Test Calls (010-250-001) for the proper procedure for crediting charges.

### 2. TESTING

**2.01** Refer to section entitled Data Set 403A-Type Receiver, Identification and Operation (594-023-100) for cover removal and replacement procedures

**2.02** Before proceeding with data set repair, perform the following:

(1) Refer to the Data Test Center for a loop-back test. Check on frequencies and levels from the transmitting station, check for central office trouble, etc.

(2) Confirm that customer equipment is operating properly.

(3) Confirm that Data Auxiliary Set 804C 630- or 631-type telephone sets are properly operating.

(4) Check for cord and connector defects. Check that the power source (117V, 60 Hz) ground exists.

(5) Check for intermittent trouble in inside wiring, drop wire, protector, etc.

### 3. 5A1 DATA UNIT REPLACEMENT

**THINK** *Before attempting assembly replacement, verify that power cord has been disconnected.*

**Note:** Verify that requirements in 2.01 and 2.02 have been fulfilled.

**SECTION 594-023-300**

**3.01** Loosen but do not remove two screws Fig. 1, and remove 5A1 Data Unit by grasping handles and lifting straight up until the connecting plug has disengaged from the data set chassis.

**3.02** Fit replacement 5A1 Data Unit over the connecting plug and lower assembly until it seats in the connecting socket. Secure the unit to the data set chassis by tightening two screws.

**Note:** Do not force assembly into position. Recheck position of assembly and plug.

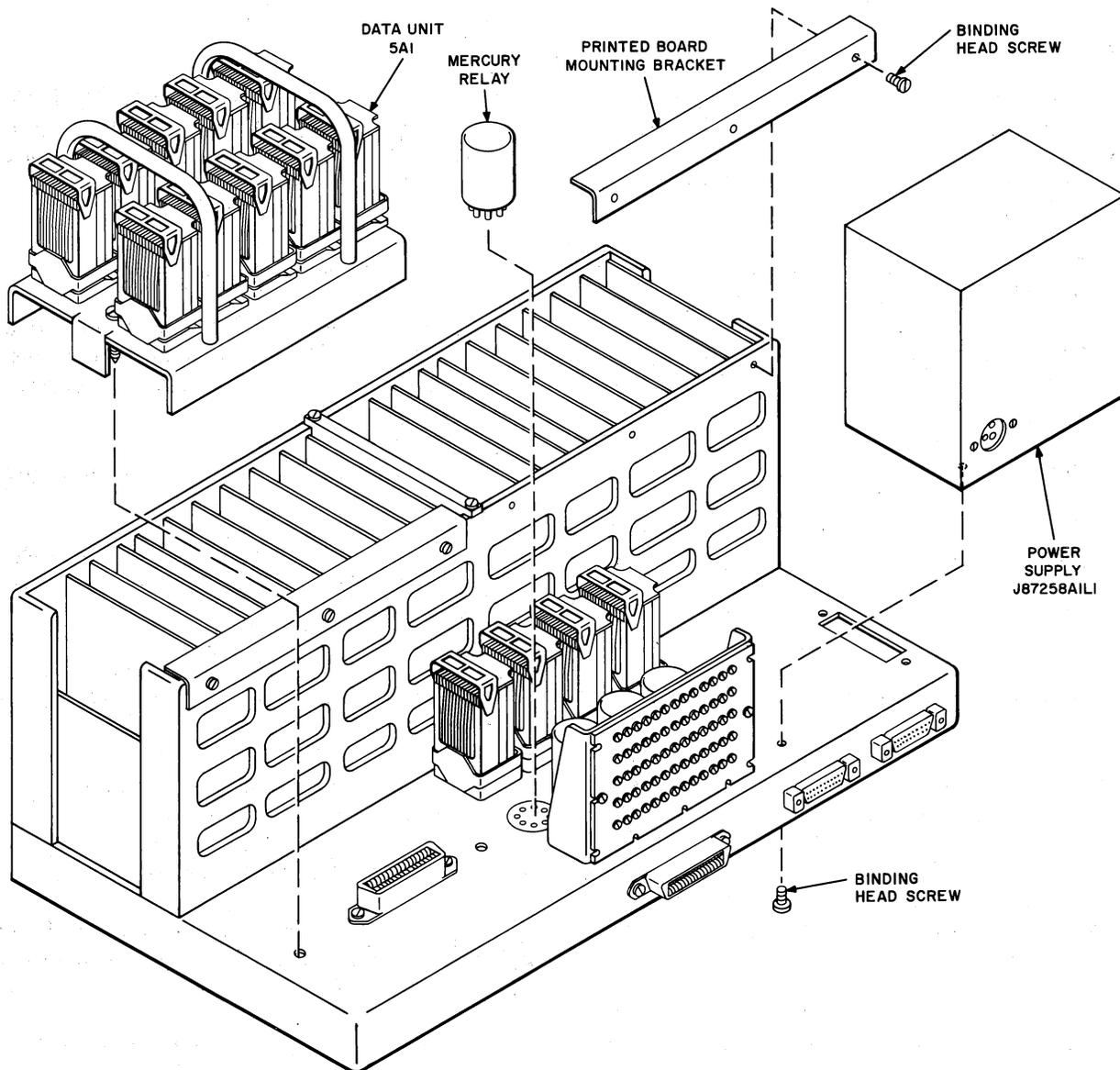
**3.03** Retest data set as outlined in section entitled Data Set 403A-Type Receiver Test Procedures (594-023-500).

**4. POWER SUPPLY REPLACEMENT**



*Before attempting unit replacement, verify that power cord has been disconnected.*

**Note:** Verify that requirements in 2.01 and 2.02 have been fulfilled.



**Fig. 1—Data Set 403A Type, Unit Replacement**

- 4.01 Remove eight screws (Fig. 1) from the base plate of the data set and remove the plate.
- 4.02 Tag or otherwise identify wire leads of the power supply, unsolder and remove the wire leads.
- 4.03 Remove four screws (Fig. 1) and lift the power supply (J87258A1 L1) from the data set chassis.
- 4.04 Position the new power supply onto data set chassis and secure with four screws. Connect and solder wire leads.
- 4.05 Position the data set base plate and secure with eight screws.
- 4.06 Reset data set as outlined in section entitled Data Set 403A-Type Receiver Test Procedures (594-023-500).

#### 5. PRINTED BOARD ASSEMBLY REPLACEMENT



*Before attempting unit replacement, verify that power cord has been disconnected.*

**Note:** Verify that requirements in 2.01 and 2.02 have been fulfilled.

- 5.01 Remove three screws (Fig. 1) securing each of the two card retainer assemblies and remove the retainer assembly.
- 5.02 Remove the printed board assembly by carefully lifting upward and out.
- 5.03 Fit new printed board assembly into positioning grooves and lower assembly until it seats in the connector socket.

**Note:** Do not force assembly into position. Recheck position of assembly and grooves.

- 5.04 Position each of two card retainer assemblies and secure with three screws each.
- 5.05 Retest data set as outlined in section entitled Data Set 403A-Type Receiver Test Procedures (594-023-500).

#### 6. MERCURY RELAY REPLACEMENT

- 6.01 Remove the mercury relay by unplugging the item per Fig. 1.

#### 7. DATA SET REPLACEMENT

- 7.01 If unit or assembly replacement fails to correct trouble, replace the data set in accordance to section entitled Data Set 403A-Type Receiver Installation and Connections (594-023-200).