

DATA SET 602C-TYPE
TRANSMITTER-RECEIVER
MAINTENANCE

1. GENERAL

1.01 This section contains the information necessary for the maintenance of Data Set 602C-type (Fig. 1). It does not include maintenance information concerning the business machine used with the data set.

1.02 This section is reissued to include information on the new method of releasing the card locking bar in newer model Data Sets 602C-type.

2. MAINTENANCE

2.01 No routine maintenance of Data Set 602C-type is required.

2.02 For complete drawings of Data Set 602C-type, see SD- and CD-1D081-01.

2.03 Data sets held on company premises as spare equipment must be ready for immediate use in case of trouble. They should be tested, properly tagged, and replaced in their original cartons for protection.

2.04 When spare printed wiring board assemblies are available, the tests described in the section entitled Data Set 602C-Type Transmitter-Receiver, Test Procedures (596-016-500) may be used to identify the defective board or boards. In this case, only the defective boards should be returned to the distributing house for repair rather than the entire data set.

2.05 Printed wiring board assembly apparatus numbers are shown in Table A.

2.06 Data sets to be returned to the distributing house should be packed carefully (in original cartons, if available) to protect the sets in transit.

2.07 Trouble clearing activity on the data set will normally be under the direction of a data test center.

2.08 It is assumed that a remote test has been performed by a data test center before a repair visit is made to the customer's premises.

2.09 Data sets suspected of being in trouble should be tested as directed by the data test center. See section entitled Data Set 602C-Type Transmitter-Receiver, Test Procedures (596-016-500).

(a) If the data set meets requirements and the trouble persists, perform the following steps:

(1) Confirm that the business machine and associated cords test satisfactorily.

(2) Check for cord and connector defects. If trouble is suspected in the data set interface connector or wiring, perform the interface test outlined in the section entitled Data Set 602C-Type Transmitter-Receiver, Test Procedures (596-016-500).

(3) Check for ground continuity between the data set and the business machine, including chassis-to-chassis and interface.

(4) Check for intermittent trouble in the station wiring, protector, etc.

(5) Refer to the data test center for further analysis and instruction.

3. PRINTED WIRING BOARD ASSEMBLY REPLACEMENT

3.01 Verify that the power cord has been disconnected.

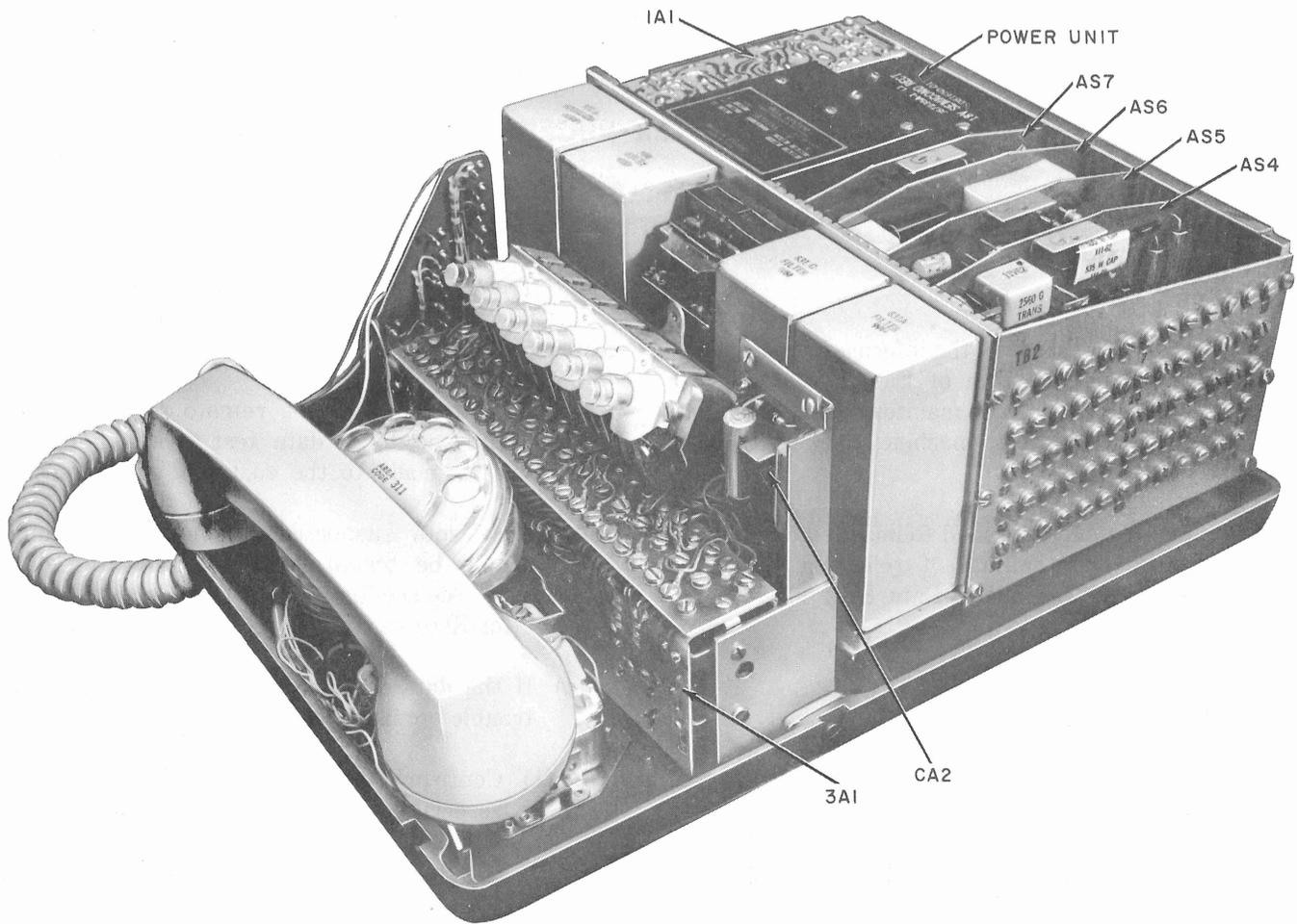


Fig. 1—Data Set 602C-Type (Available Also With TOUCH-TONE® Dial)

TABLE A

DESIGNATION AND NUMBER		FUNCTION
PRINTED WIRING BOARD	DATA UNIT	
AS4	—	Data demodulator
AS5	—	Sync demodulator
AS6	—	Data and sync modulators
AS7	—	Remote test circuitry
CA2	—	Miscellaneous components
—	1A1	Reverse-channel transceiver
—	3A1	Automatic answering unit

3.02 Cover removal and replacement is performed as follows:

(a) **Removal:**

- (1) Loosen, but do not remove the six captive screws on the data set base.
- (2) Lift the covers off, rear cover first.

(b) **Replacement:**

- (1) Position the retaining wedges so they will easily receive the cover lugs.
- (2) Lower the front cover over the dial and pushbuttons, slightly tilting the cover forward as it is lowered.

(3) Lower the rear cover until it rests on the base of the set. Make sure that the power and business machine connections are seated correctly.

(4) Tighten the captive screws.

3.03 To open the card locking bar in the older model Data Set 602C-type, perform the following steps:

- (a) Insert a screwdriver into the locking bar catch plate.
- (b) Turn the screwdriver clockwise to release the card locking bar.
- (c) Raise the card locking bar to the extreme open position.

3.04 ▶To open the card locking bar in the newer model Data Set 602C-type, perform the following steps:▶

- (a) ▶Use a screwdriver to loosen the captive screw.▶

(b) ▶Pull the card locking bar forward.▶

3.05 Once the card locking bar has been opened or pulled forward (older or newer models, respectively), grasp the printed board brackets near the top of the board and carefully extract the board by pulling it straight up.

3.06 Fit the new assembly into the positioning grooves and lower it until it seats in the connector socket.

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

3.07 Restore the card locking bar to the original closed position and secure the bar to data set.

3.08 Retest the data set as outlined in Section 596-016-500.