DATA SET 202D TYPE

TRANSMITTER-RECEIVER

MAINTENANCE

1. GENERAL

1.01 No routine maintenance of the data set is required.

1.02 If data set is suspected of being in trouble, it may be tested as outlined in Section 592-016-500.

Note: When replacing set, verify that set is wired with proper options.

1.03 Data sets not meeting requirements should be replaced in order to restore customer's service as quickly as possible.

1.04 Verify that customer is receiving satisfactory service before leaving his premises.

1.05 When replacing a data set connected to a private line, provision must be made to terminate the line in 600 ohms in order to avoid interference to data transmission between other data sets on the same system.

Note 1: On 4-wire private lines, this can be accomplished by operating the 6017AP key to the test position.

Note 2: On 2-wire private lines, call nearest toll central office and request them to terminate the line temporarily.

1.06 If data set meets requirements and trouble persists:

(1) Confirm if possible that business machine and associated control circuitry are operating properly.

(2) Check for cord and connector defects.

(3) Check for trouble in inside wiring, connecting blocks, etc.

1.07 For detailed operation, refer to CD- and SD-1D049-01.

1.08 The data set power supply circuitry contains no fuses.

2. PRINTED WIRING BOARD ASSEMBLY REPLACEMENT PROCEDURE

2.01 The tests described in Section 592-016-500 may be used to identify the defective printed wiring board or boards. In this case, only the defective boards should be returned to the distributing house for repair rather then the entire data set.

2.02 Procedure

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

Note: Verify that requirements in 1.06 have been fulfilled.

(1) Remove cover of data set (see Section 592-016-100).

(2) Insert screwdriver into locking bar catch plate (Fig. 1).

(3) Turn screwdriver clockwise to release card locking bar (Fig. 1).

(4) Raise card locking bar to extreme open position.

(5) Grasp the printed board bracket near the top of board and carefully extract by pulling straight up.

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

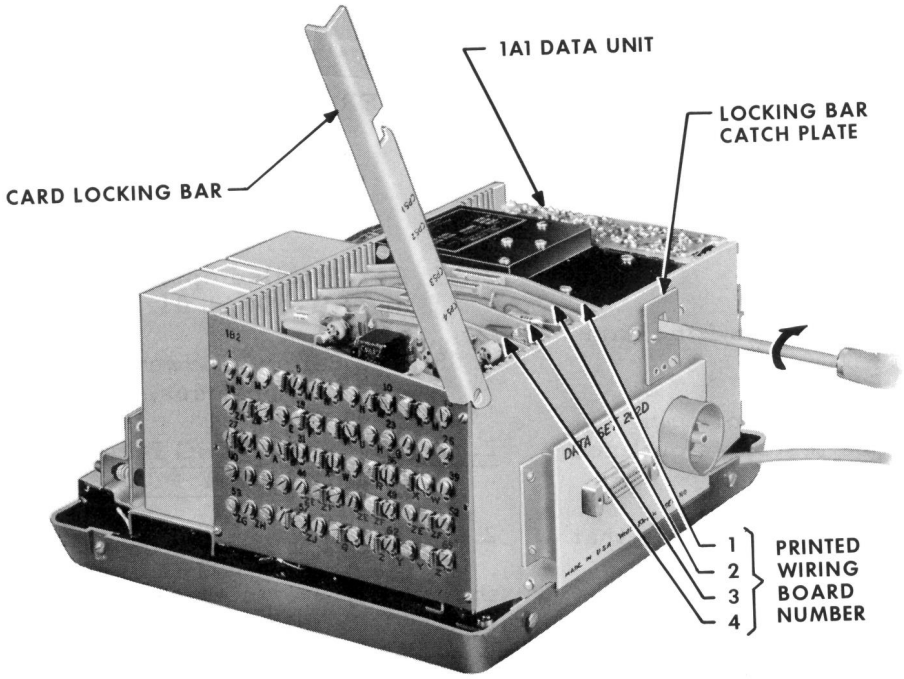

Fig. 1 - Printed Wiring Board Changeout

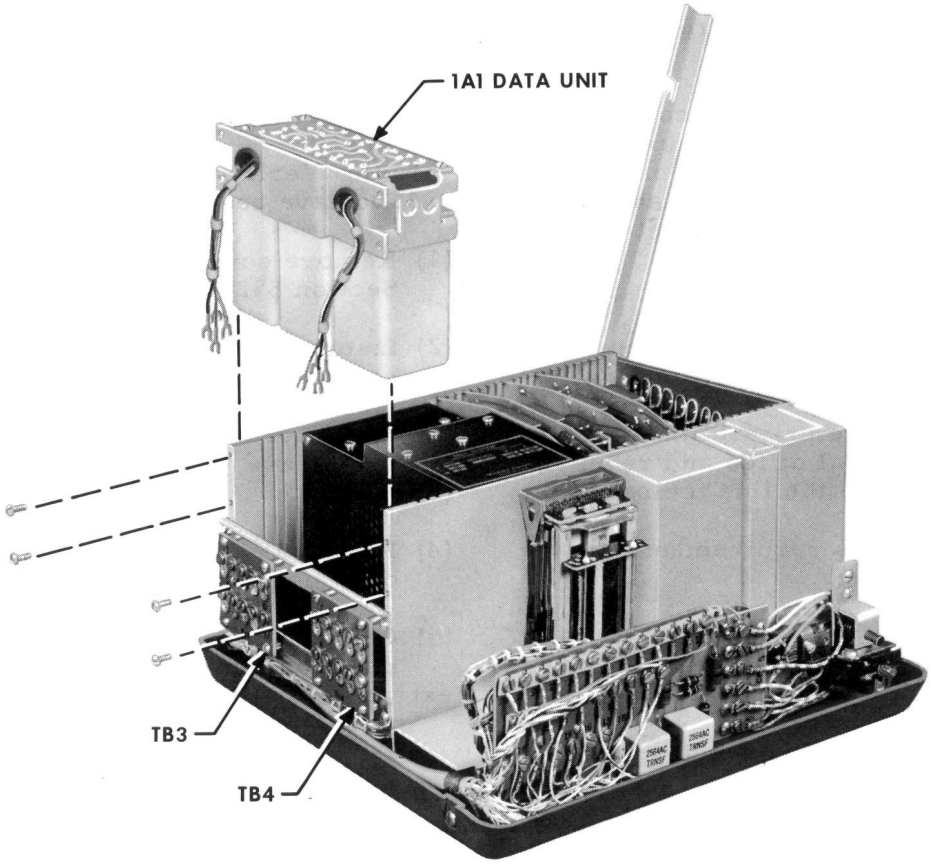

Fig. 2 - Mounting Detail for 1A1 Data Unit

Note: Do not force assembly into position; recheck position of assembly and grooves.

(7) Restore card locking bar to engage locking bar catch plate.

(8) Retest data set as outlined in Section 592-016-500.

2.03 Data sets or printed wiring board assemblies to be returned to the distributing house should be carefully packed (in original type cartons, if available) for protection in transit. Properly tag defective set or printed wiring board assembly, describing nature of trouble as completely as possible.

3. 1A1 DATA UNIT REPLACEMENT PROCEDURE

3.01 Procedure

THINK Before attempting unit changeout verify that power cord has been disconnected.

Note: Verify that requirements in 1.06 have been fulfilled.

(1) Remove cover of data set (see Section 592-016-100).

(2) Insert screwdriver into locking bar catch plate (Fig. 1).

(3) Turn screwdriver clockwise to release card locking bar (Fig. 1).

(4) Raise card locking bar to extreme open position (Fig. 1).

(5) Remove the four data unit retaining screws (Fig. 2).

(6) Loosen terminal screws on TB3 and TB4 and remove spade-tipped leads.

(7) Grasp the data unit near top and carefully remove by pulling straight up.

(8) Insert new data unit.

(9) Replace four retaining screws (Fig. 2).

(10) Connect new data unit wiring. (Table A shows connection information.)

(11) Retest data set as outlined in Section 592-016-500.

TABLE A

1A1 DATA UNIT CONNECTIONS

1A1 DATA UNIT *	TB3	TB4
	(S) 1	
	(BR) 3	
	(V) 4	
	(BL-W) 5	
	(BL) 6	
	(W) 8	
	(G) 9	
	(Y) 10	
		(V) 1
		(BL) 2
		(S) 3
		(R) 6
		(Y) 7
		(BK) 8
		(G) 9
		(O) 10
		(W) †

LACED GROUP OF WIRES

* VERIFY THAT DATA SET IS WIRED FOR (T) OPTION.

† POWER OPTION CONNECTION. SEE CONNECTION SECTION FOR DETAIL.