

DATA SET 602D-TYPE TRANSMITTER-RECEIVER MAINTENANCE

1. GENERAL

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

2. MAINTENANCE

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

2.02 For complete drawings of Data Set 602D-type, see SD- and CD-1D15B-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 Data sets to be returned to the distributing house should be packed carefully (in original cartons, if available) to protect the sets in transit.

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

2.06 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.

2.07 Data sets suspected of being in trouble should be tested as directed by the data test center. See section entitled Data Set 602D-Type Transmitter-Receiver, Test Procedures (596-020-500).

(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 602D-Type Transmitter-Receiver, Test Procedures (596-020-500).

(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. COVER REMOVAL AND REPLACEMENT

3.01 Verify that the transformer power cord has been disconnected.

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.

4. PRINTED WIRING BOARD LOCATIONS AND DESIGNATIONS

4.01 Printed wiring board assembly apparatus numbers and functions are shown in Table A.

4.02 The various printed wiring board assemblies are located in the Data Set 602D-type by position numbers stamped on the inside bottom of the data set's housing. Table B shows a cross

reference between these position numbers and their apparatus code numbers.

4.03 Terminations to printed wiring boards in the Data Set 602D-type are wire-wrapped. Therefore, replacement of these circuit packs is not intended to be done in the field. Units with defective boards should be returned to the distributing house for repair.

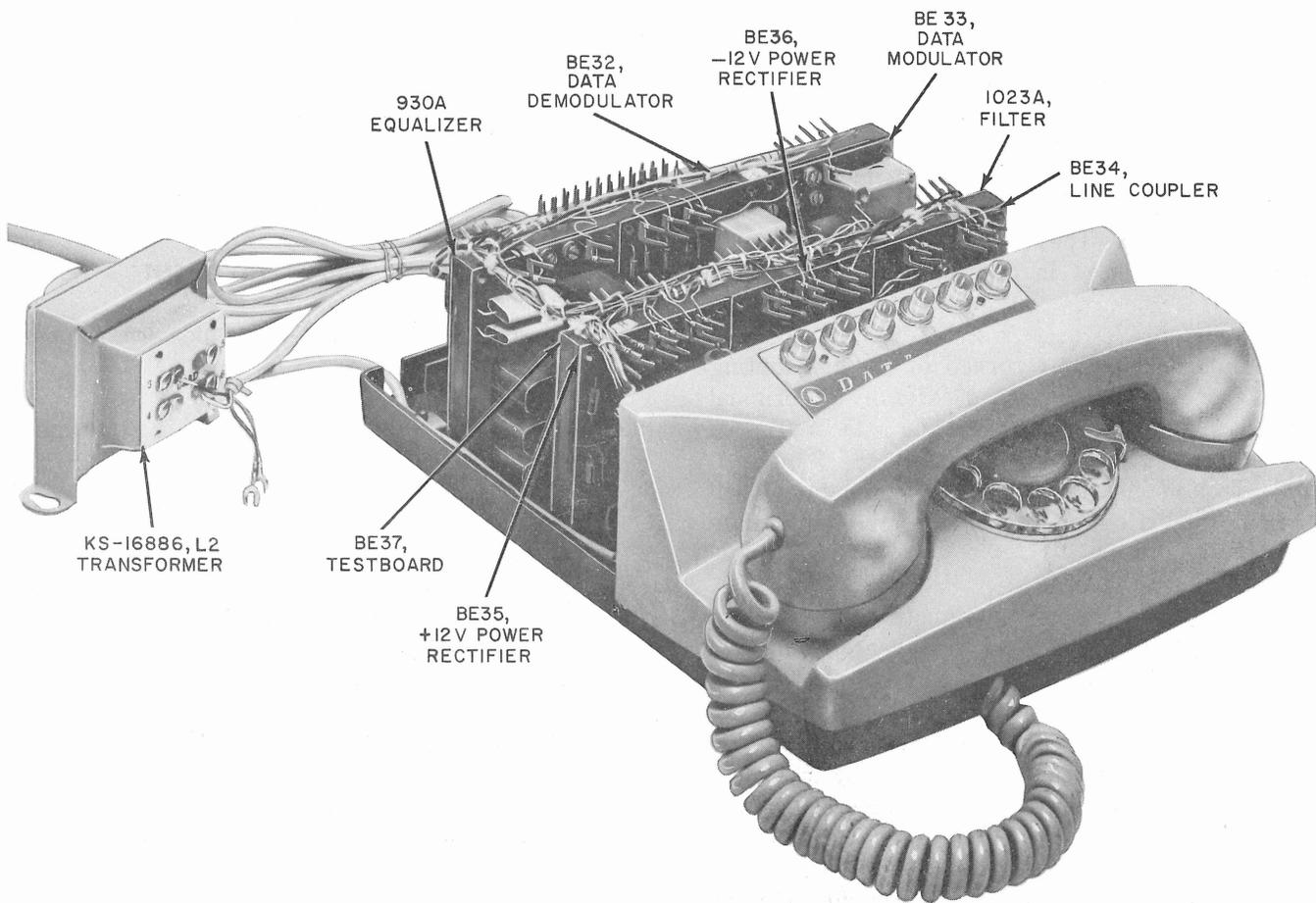


Fig. 1—Data Set 602D-L1 (Available Also With TOUCH-TONE® Dial)

TABLE A
PRINTED WIRING BOARD DESIGNATIONS
FOR DATA SET 602D-TYPE

DESIGNATION AND NUMBER	FUNCTION
BE 32	Data Demodulator
BE 33	Data Modulator
BE 34	Line Coupler
BE 35	+12V Power Rectifier
BE 36	-12V Power Rectifier
BE 37	Testboard
930A	Equalizer
1023A	Filter

TABLE B
POSITIONS FOR APPARATUS ASSEMBLIES
FOR DATA SET 602D-TYPE

APPARATUS NUMBER AND DESIGNATION	MOUNTING POSITION
BE 32	1, 2, 3
BE 33	4, 5
930A	6
1023A	7
BE 37	8, 9
BE 34	10
BE 36	11
BE 35	12