

DATA SET 202A MAINTENANCE

1. GENERAL

1.01 This section contains information concerning the maintenance of Data Set (DS) 202A. The purpose of this section is to aid the craft employee, in coordination with the data test center (DTC), in locating and eliminating trouble reported by a DS 202A station.

1.02 This section is reissued to update the information and to add Fig. 1 for the craft employee to follow when dispatched to a defective DS 202A station. Because of extensive revision, change arrows, ordinarily used to indicate changes, have been omitted.

1.03 No routine maintenance is required on the DS 202A.

1.04 The data set covers should be removed and replaced as follows:

(a) Removal:

- (1) Loosen, but do not remove, the captive screws located around the base.
- (2) Lift the covers, removing the rear half first.

(b) Replacement:

- (1) Position the front cover on the data set without securing its mounting screws. Align the plunger slots and mounting brackets with their mating components.
- (2) Position the rear cover on the data set so that the bottom edges of the front and rear covers are in alignment and seated firmly on the base pan assembly. Tighten the captive screws located on the sides of the data set.
- (3) Tighten the remaining captive screws.

2. MAINTENANCE PROCEDURES

2.01 Refer to Fig. 1 when investigating a trouble report at the data station. Information concerning the test procedures referred to in Fig. 1 can be found in the section entitled Data Set 202A, Test Procedures (592-013-500).

2.02 The craft employee should be equipped with a DS 202A when dispatched to a defective DS 202A station. If the data set has to be replaced, tests should be performed to verify that service is satisfactory after replacement.

2.03 When replacing data set, verify that new set is strapped correctly. Make power level adjustments by adding an external pad, if necessary, and strapping in the correct option as specified in the section entitled Data Set 202A, Installation and Connections (592-013-200).

2.04 A check of power supply voltages and defective fuses should be made before making complete replacement of data set. Voltage measurements can be made at the fuse block as shown in Fig. 2 and 3.



Any time strapping changes are made or fuses replaced, disconnect power cord of the data set. The data set has three fuses located under the power supply cover shown in Fig. 2 and 3.

2.05 When the defective data set is replaced, it should be tagged with the nature of the trouble, carefully packed, and returned to the distributing house.

2.06 After replacement of the data set, verify to the customer that the new set is operating satisfactorily by placing a data call.



*Take proper steps to ensure that the customer is not billed for test calls. Refer to the section entitled **Crediting Charges on Test Calls (010-250-001)**.*

2.07 If trouble is still present after replacing the data set:

- Confirm that customer equipment tests OK. If trouble is found in customer equipment, fill out form E-5855 according to Section 660-101-312.
- Make a physical check of the remaining apparatus, local loop to central office, drop wire, inside wire, etc.
- Refer the trouble back to the data test center for further tests and analysis.

2.08 After trouble has been cleared, verify that data transmission is satisfactory between customer's locations.

2.09 To minimize the spare parts inventory and the cost of repairing, it may be advantageous

to locate the defective circuit pack by means of supplemental tests in the company shop. Thus, only the defective circuit pack need be returned to WECO for repair, and the remaining circuit packs will be available for repair service on subsequent trouble reports.

3. REFERENCES

3.01 The following Bell System Practices provide additional information concerning DS 202A:

SECTION	TITLE
592-013-100	Data Set 202A, Description and Operation
592-013-200	Data Set 202A, Installation and Connections
592-013-500	Data Set 202A, Test Procedures

3.02 For detailed information concerning DS 202A, refer to SD- and CD-1D003-01.

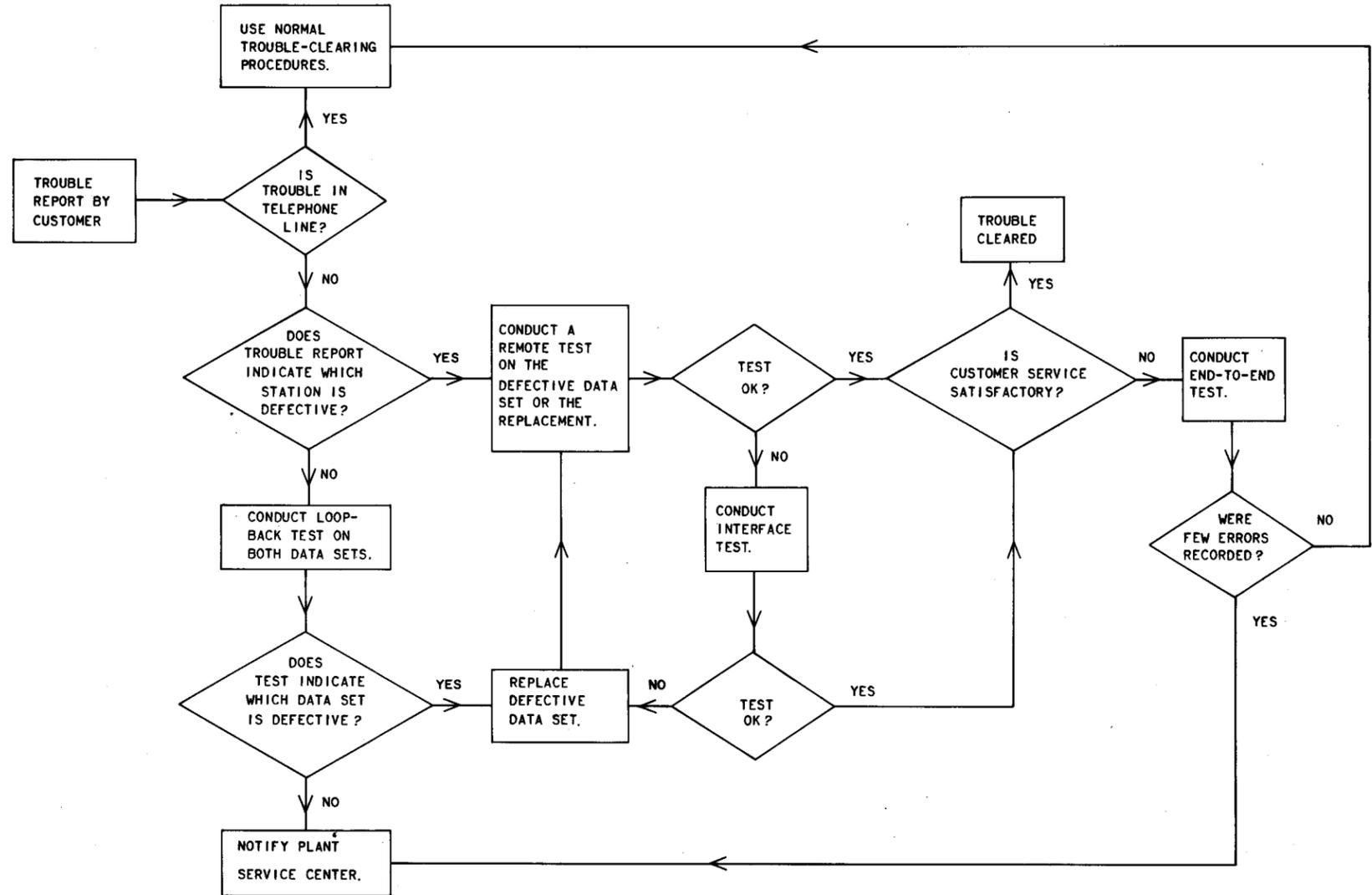


Fig. 1—Craft Employee Analysis for Clearing a Trouble Report

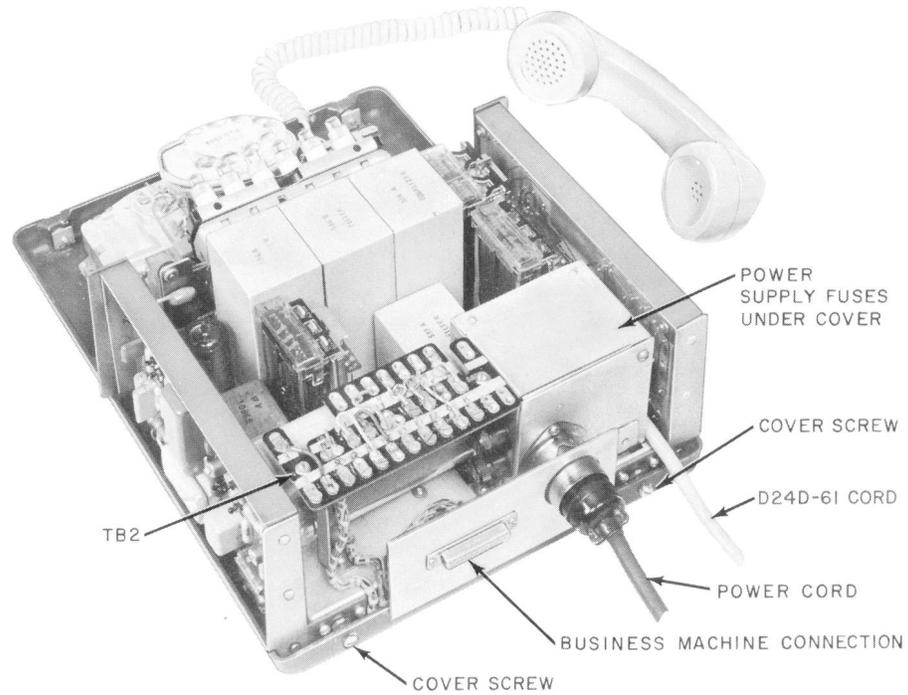


Fig. 2—Data Set 202A, Rear View

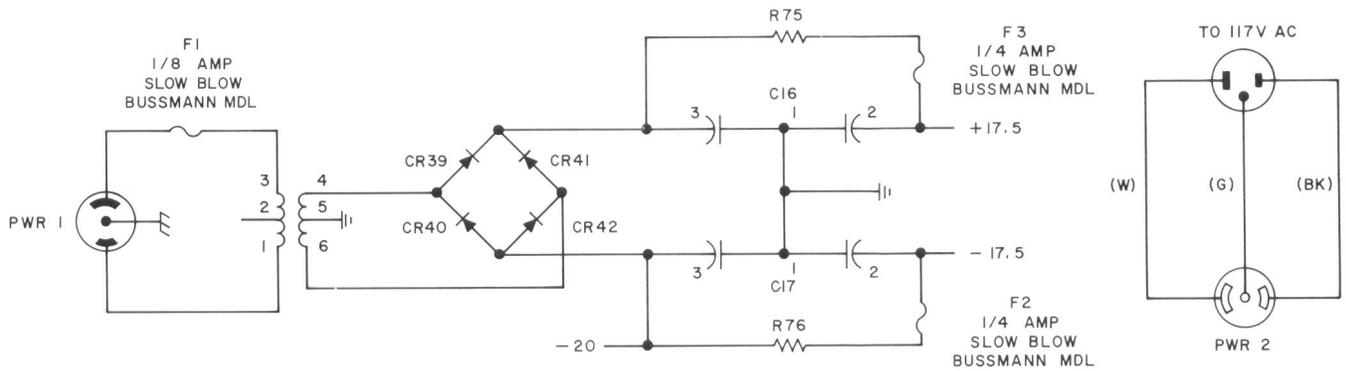


Fig. 3—Data Set 202A, Power Supply