

DATA SET 202S

TRANSMITTER-RECEIVER

MAINTENANCE

1. GENERAL

1.01 This section contains information needed to maintain data set (DS) 202S-L1/2, -L1/2/3, -L1A/2, or -L1A/2/3A **only**. Refer to 592-860-300 for information concerning maintenance of a data station using DS 202S. This section is designed to coordinate the efforts of the craft employee with those of the data test center (DTC) when investigating trouble reports on DS 202S.

1.02 This section is reissued primarily to include maintenance information pertinent to DS 202S-L1A/2 and -L1A/2/3A.

1.03 DS 202S does not require routine maintenance after the installation tests and adjustments have been made.

Caution: *If the data set is taken out of the housing, it must be handled by the nonconductive surfaces only. Otherwise, certain circuit components may be damaged.*

2. MAINTENANCE

2.01 When investigating a trouble report, proceed as directed in Fig. 1. Refer to Section 592-028-500 for the maintenance test procedures.

2.02 If it becomes necessary to dispatch a telco employee to the data set location, the following equipment should be taken along:

- 914C data set (DTS) **or** 914B and 903 DTSs
- Spare DS 202S-L1A/2/3A or 202S-L1/2/3.

2.03 ▶To minimize time on customer premises, the entire data set should be changed. If existing service includes reverse channel, make sure the JY1 or JY2 circuit pack is included. If the service does not include reverse channel, make sure the JY1 or JY2 circuit pack is removed and option ZD is installed.

Note: When inserting data set into the housing, push it all the way in to ensure good contact with the rear housing connector.

2.04 If DS 202S-L1/2/3 is installed and it is suspected that a problem exists due to incompatibility in communicating with data set 202C, data set 202S-L1A/2/3A should be tried.▶

2.05 When the data set is replaced, the defective set should be tagged with a tag describing the nature of the trouble, carefully packed, and returned to a service center for repair. After the data set has been replaced, verify with the customer that service has been restored.

2.06 If the trouble persists, proceed as follows:

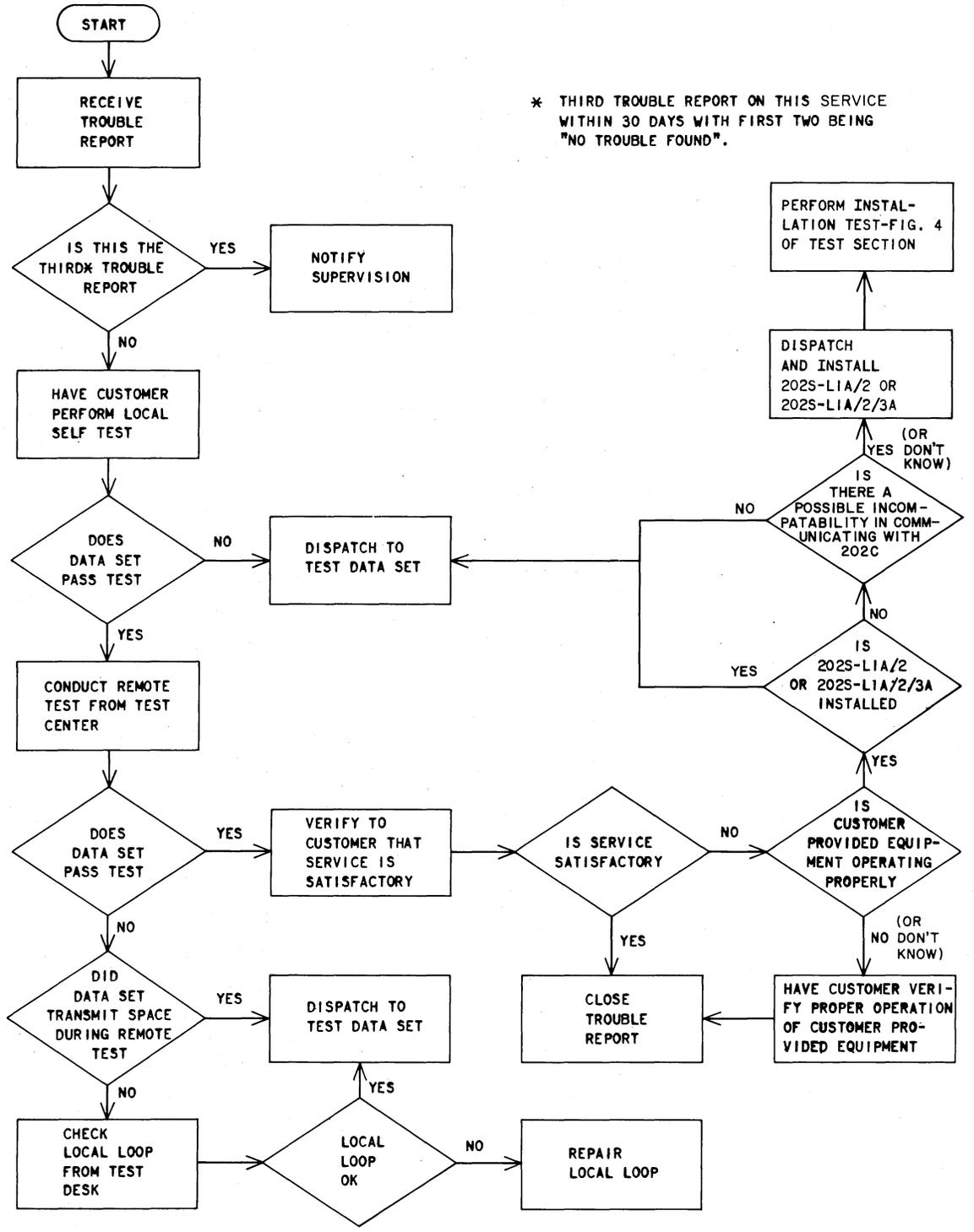
- (a) Check that the options in the data set agree with the service order.
- (b) Verify that the customer-provided equipment has been tested and is operating satisfactorily.
- (c) Check that all the cords and connectors are properly connected.
- (d) Check for physical damage.
- (e) Verify that the customer-provided equipment and the data set are connected to a common ground.
- (f) If the trouble cannot be cleared, request help from immediate supervisor.

3. MAINTENANCE AIDS

3.01 The following documents may be referred to for additional information.

SECTION 592-028-300

NUMBER	TITLE	SECTION	TITLE
SD-&CD-1D238-01	Data Systems Station—Data Set 202S-Type and 40A1 Data Mounting	592-028-500	Data Set 202S Transmitter-Receiver—Test Procedures
		592-860-100	Data Station Using Data Set 202S—Description and Operation
SECTION	TITLE		
592-028-100	Data Set 202S Transmitter-Receiver—Description and Operation	592-860-200	Data Station Using Data Set 202S—Installation
592-028-180	Data Set 202S Transmitter-Receiver—Summarizing Specification	592-860-300	Data Station Using Data Set 202S—Maintenance
		592-860-500	Data Station Using Data Set 202S—Test Procedures
592-028-200	Data Set 202S Transmitter-Receiver—Installation and Connection	668-102-519	Data Test Center 904A- and 904C-Type—Test Procedures For Data Set 202S



* THIRD TROUBLE REPORT ON THIS SERVICE WITHIN 30 DAYS WITH FIRST TWO BEING "NO TROUBLE FOUND".

Fig. 1—Maintenance Chart for Data Set 202S