DATA SET 103C

TRANSMITTER-RECEIVER

FOR PRIVATE LINE SERVICE

MAINTENANCE

1. INTRODUCTION

1.01 This section contains maintenance information for data set 103C.

1.02 Reasons for reissue are to:

- Revise Fig. 1.
- Make several changes in text.

2. GENERAL

2.01 No routine maintenance of the data set is required.

2.02 For over-all schematic circuit information, refer to CD-and SD-1D026-01. The schematic circuit of each individual printed wiring board assembly is shown on SD-1D027-01.

2.03 Sets suspected of being in trouble should be tested as described in Section 591-016-500 covering test procedure for data set 103C.

- If set meets requirements:

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

  (2) Check for battery and ground at terminal strip D

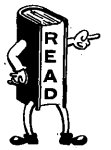
-20 ±2 volts	25
Ground	24
+20 ±2 volts	23

  (3) Check for data set cord and connector defects. Refer to Fig. 1.

  (4) Check for intermittent trouble in station wiring.

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

- Sets failing to pass test requirements should be replaced and new set properly tested.



When replacing set verify that new set is strapped for proper option and levels.

3. PRINTED BOARD REPLACEMENT

3.01 To remove a printed board from the data set, grasp the projecting knob and pull out.

3.02 To replace a printed board, insert board so that projections on the sides fit into corresponding grooves in the cabinet. Push in until front plate rests against cabinet frame.

3.03 Each printed wiring board assembly is marked with its ED number. The

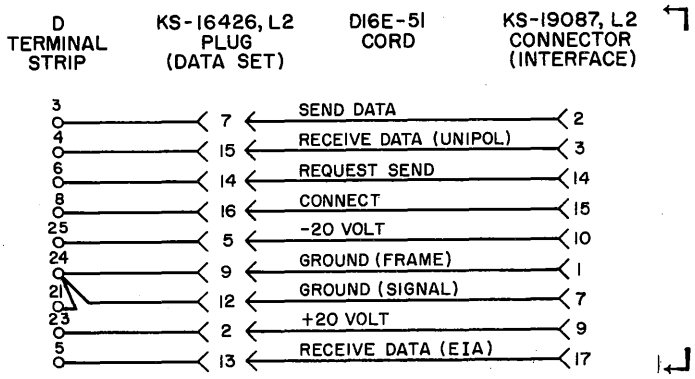


Fig. 1 - D16E-51 Cord, Schematic

last two digits of the ED number indicate the position of the board. The two corresponding digits are stenciled on the right inside position of the mounting space. Thus, the board designated as ED-1D095 is placed in the space designated as 95.

- The printed wiring board assemblies are designed so that each board will properly seat only in its own space.

→ 3.04 Printed board assemblies are coded as shown below.

- ED-1D095 Printed Board Assembly (Discriminator)
- ED-1D096 Printed Board Assembly (Modulator)
- ED-1D097 Printed Board Assembly (Hybrid)
- ED-1D098 Printed Board Assembly (Limiter)
- ED-1D099 Printed Board Assembly (Timer)
- ED-1D100 Printed Board Assembly (Interface)

→ 3.05 Data set cords are coded as shown below.

- KS-14532, List 15 Cord Assembly (Power Cord)
- D16E-51 Cord Equipped with KS-19087, List 2 Receptacle (Interface Cord)