

AUTOMATIC NUMBER IDENTIFICATION NETWORK FRAME
NOS. 313A and 313B PANEL
REPLACEMENT PROCEDURES

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1. GENERAL

1.1 This section covers the information necessary for replacing defective capacitors or resistors on P-11E623 Network Assembly Cards.

1.2 This method is to be used only during the installation interval if the resistors or capacitors are found to be defective or if the pigtail leads of these components break off from the terminals.

1.21 If more than three components on the same network card are found to be defective at the same time, a new card should be requisitioned.

2. TOOLS AND MATERIALS

2.1 List of Tools and Materials

R-2443	3" Screwdriver
R-6433	Diagonal Cutters
R-2291	Short Nose Pliers
R-3007	Soldering Copper
R-3328	Wire Unwrapping Tool

3. REPLACEMENT PROCEDURES

3.1 Record the cross-connection arrangements for the ten numbers on the network assembly to be repaired. Remove all bus and network strapping from the terminals on the front of the panel for the ten numbers to be replaced. Do not bend, twist or distort the terminals.

3.2 Loosen the two captive screws on the affected network and remove the network.

NOTE: If the sleeve connections have been made and the entire card is not to be replaced, do not remove the sleeve connections but hinge the card back on the cable.

CAUTION: Note whether bushings have been installed over any of the network terminals since these must be in place when the assembly is remounted.

3.3 If the repair is being made on a unit on which only one weld of the pigtail leads of the resistor or capacitor has broken loose from the terminal, it can be made by reforming the lead and hooking it through one of the holes in the terminal. Care should be taken not to place too much stress on the component. All lead forming should be done by holding the lead in the R-2291 Short Nose Pliers and bending the lead with another pliers or with the fingers. Solder the lead in accordance with the instructions given in Handbook 9, taking care not to damage the existing sleeve leads.

3.4 If the resistor or capacitor must be replaced, remove the defective part by clipping it as close to the terminal as possible using the R-6433 Diagonal Cutters. If a capacitor is being replaced, remove and discard the clip. Insert the terminal leads of the new part in one of the two small holes in each terminal, making sure that the end of each lead is hooked securely to the terminals. Clip the excess leads. Solder the leads to the terminal, dress the leads, and remount the network assembly.

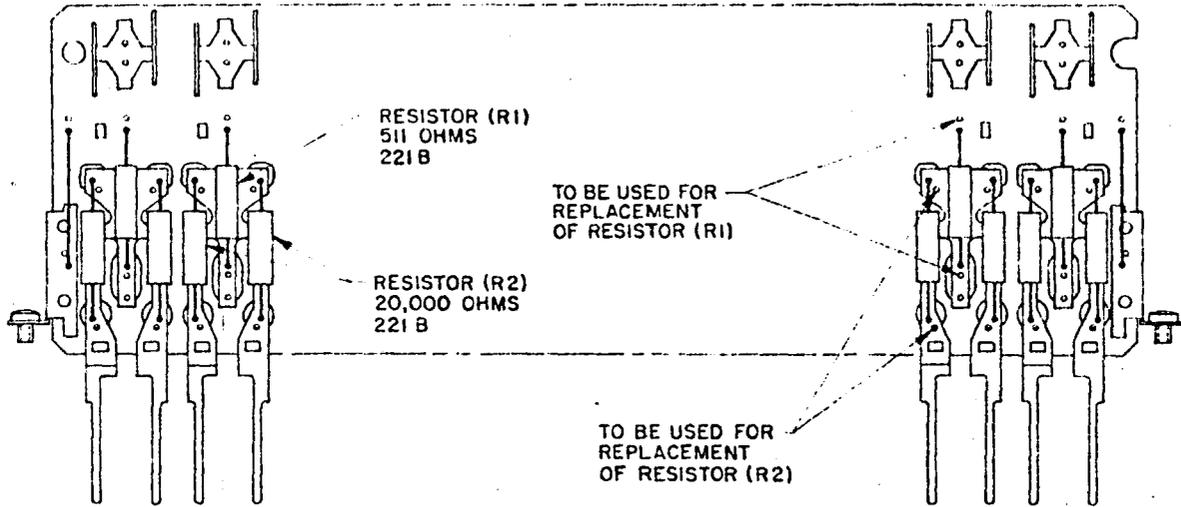
3.5 Redress the sleeve lead cable.

3.6 Replace the network and bus strapping.

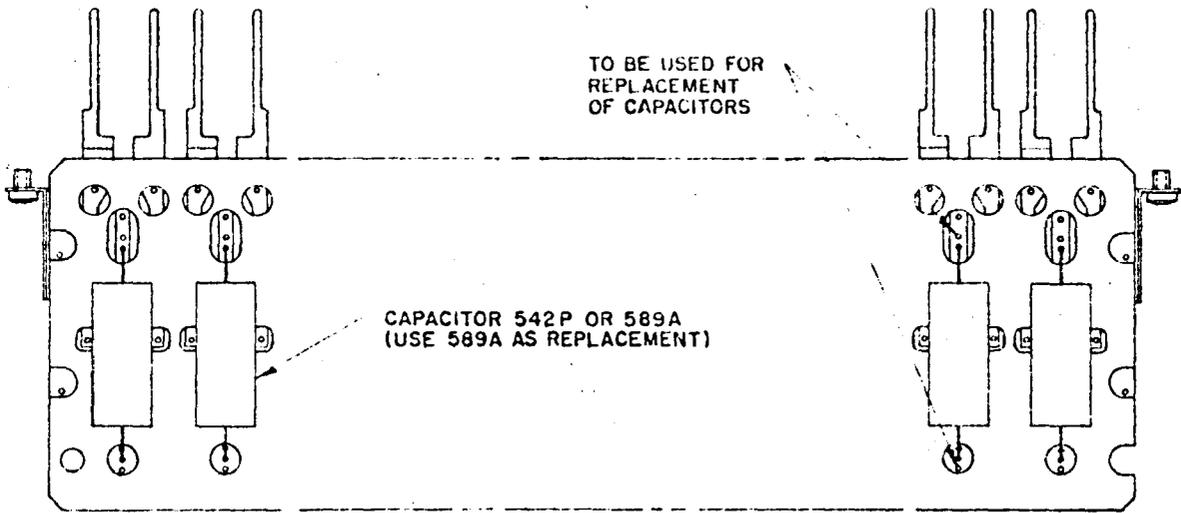
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ATTACHMENT
Figure 1 on Page 2.



FRONT



REAR

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FIG. 1 NETWORK ASSEMBLY