

The following appeared in EIB 662

Field Change 22-AN/URC-32, 13-KWT-6(8) - Modification to Low Voltage Power Supply, PP-2154/U, Diode Rectifiers 10CR6 and 10CR7; Type II, Class A; 1 Man-Hour Required

This field change applies to Radio Sets AN/URC-32, serial numbers 1 through 981, KWT-6(8), serial numbers 1 through 90.

The purpose of this field change is to increase the current capabilities of diodes 10CR6 and 10CR7 by replacing the 1N1095 (or 1N547 substitute diode) with the 1N3190 diode.

Field Change 13 must be accomplished prior to the installation of this field change. Equipment nomenclature is not affected.

This field change can be identified by determining that 10CR6 and 10CR7 are 1N3190 diodes.

Material Required:

Quantity	Description	Federal Stock No.
2 each	Semi-conductor Device, Diode, Silicon Type 1N3190	1N5960-883-4798

Tools and Test Equipment Required:

- Pliers, long nose, 6-inch
- Soldering Iron, 100-watt
- Solder, 60-40, resin core
- Screwdriver, Phillips No. 5

Procedure:

To accomplish this field change, perform the following steps in the Low Voltage Power Supply PP-2154/U.

NOTE: OBSERVE ALL APPLICABLE SAFETY PRECAUTIONS WHILE PERFORMING THIS FIELD CHANGE.

- Secure all power to the Radio Set AN/URC-32.
- Remove the Low Voltage Power Supply (LVPS) PP-2154/U from the AN/URC-32 mounting frame.
- Remove the phillips head screws from the back cover plate of the LVPS. Remove the back cover plate.
- Locate the diode mounting board TB-2, unsolder and remove the diodes, 10CR6 and 10CR7 (see figure 1).
- Install and solder the 1N3190 diodes in place of the diodes removed in step 4.
- Reinstall the back plate of the LVPS.
- Remount the LVPS to the main frame, and return the equipment to normal operating condition.

Routine Instructions:

Corrections to applicable publications are not required.

Personnel making this field change shall record its completion on the Electronics Equipment History Card, NAVSHIPS 536, and on Field Change Record Card, NAVSHIPS 537.

Figure 1.

