

**OPERATION AND MAINTENANCE
1× N FREQUENCY DIVERSITY
DR 6/11-135A AND 135EC
RADIO RECEIVER
GENERATOR OVEN ALARM**

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1. GENERAL

The following logic diagram, MR 1, is used to clear a RCVR GEN OVEN indicator on the ALARM/ALARM AND METER unit. The indicator will light when the DC current in the generator oven is outside the correct range. However, if a 4400 Series RECEIVER DOWN-CONVR & MWV GEN (RCVR CONVR) unit is installed, the indicator will also light when the AGC AUTO-MAN pushbutton switch is in the MAN position. When the indicator is lighted and all DC voltages supplied to the unit are known to be good and the AGC pushbutton switch on the 4400 Series RCVR CONVR unit (if installed) is in the AUTO position, replace the entire RCVR CONVR unit with a spare unit equipped with the proper microwave generator module. Since no procedures are provided for troubleshooting between the down-converter and the microwave generator, do *not* replace a microwave generator module within a working RCVR CONVR plug-in unit. Refer to the RADIO RCVR tab under the REPLACEMENT PROCEDURES tab to replace the unit with a spare. If tests are necessary, refer to the RADIO RECEIVER PROCEDURES tab under the TESTS AND ADJUSTMENTS tab.

Warning: *To prevent electrostatic discharge (ESD) damage to a unit, ensure all ESD precautions are followed.*

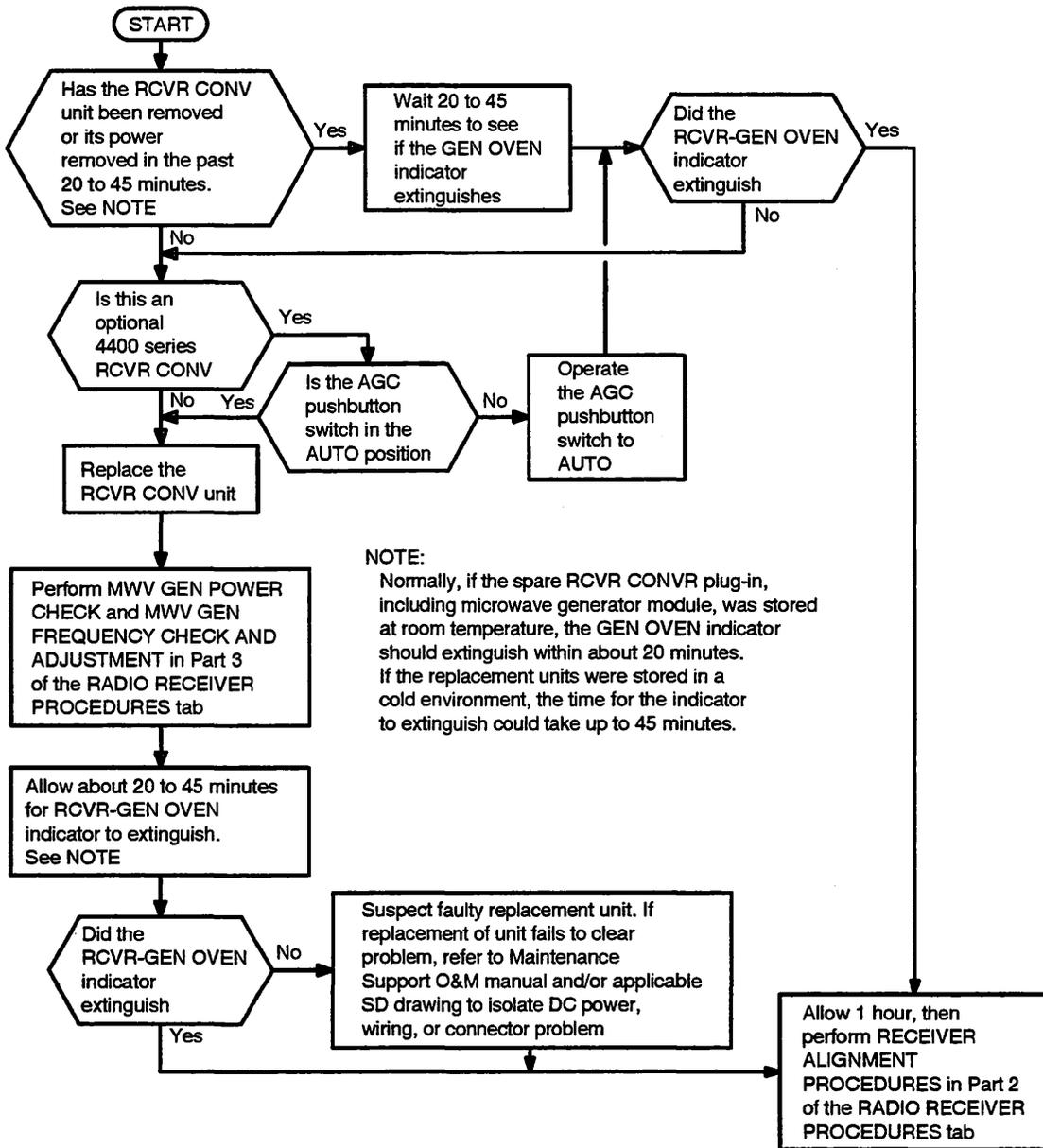
The microwave generator module within the RCVR CONVR plug-in unit is powered directly from the -48 V or -24 V input via the backplane connector. When the RCVR CONVR unit is replaced with a spare unit, the warm-up time required before the generator oven temperature is stable enough to permit the final frequency adjustment depends on the starting temperature of the spare unit. (See *Notes* in MR 1.) If the replacement unit is a 4400 Series RCVR CONVR, verify that the upper sideband/lower sideband (USB/LSB) selector pin (P2) is in the correct position according to the assigned radio channel.

1.1 UPDATE INFORMATION

This practice is being reissued to update text and to revise the Radio Generator Oven Alarm-Clearing Diagnosis flowchart. This practice is used in all frequency diversity terminal and regenerator binders.

CAUTION: THIS IS A SERVICE AFFECTING PROCEDURE UNLESS THE PROPER MANUAL SWITCHING OPERATION HAS BEEN PERFORMED

PREREQUISITE: RCVR-GEN OVEN indicator lighted on the radio ALARM/ALARM AND METER unit



MR 1—Radio Generator Oven Alarm-Clearing Diagnosis