

GE MOBILE RADIO

MASTR[®] *Executive II* MAINTENANCE MANUAL

150.8-174 MHz RCC RECEIVER

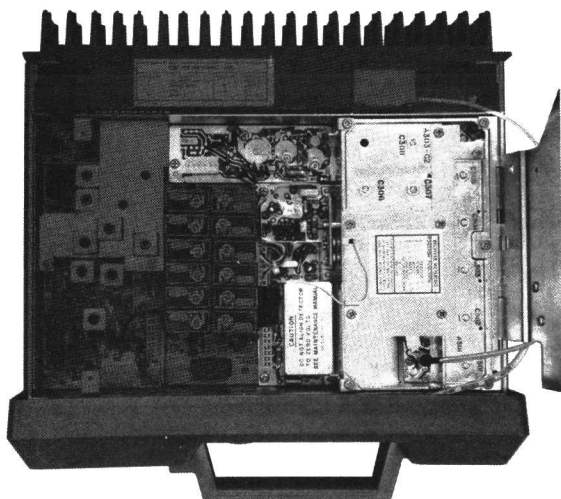


TABLE OF CONTENTS

SPECIFICATIONS	ii
DESCRIPTION AND MAINTENANCE	LBI30745 (DF1112)
RF ASSEMBLY AND MIXER/IF BOARD	LBI4980 (DF1107)
OSCILLATOR/MULTIPLIER	LBI30744 (DF1106)
IF-DETECTOR	LBI30049 (DF1105)

SPECIFICATIONS*

Audio Output (to 3.2-ohm Speaker)	5 Watts at less than 5% distortion
	<u>Standard Receiver</u>
Sensitivity	
12-dB SINAD (EIA Method)	0.50 μ V
20-dB Quieting Method	0.63 μ V
SELECTIVITY	
EIA Two-Signal Method	-90 dB
Spurious Response	-100 dB (Tx Unkeyed) -85 dB (Tx Keyed)
Intermodulation (EIA)	-85 dB
Frequency Stability	$\pm 0.0005\%$
Modulation Acceptance	± 7 kHz
Squelch Sensitivity	
Fixed Squelch	4 dB SINAD

* These specifications are intended primarily for the use of the serviceman. Refer to the appropriate Specification Sheet for the complete specifications.

WARNING

Although the highest DC voltage in MASTR Executive II Mobile Equipment is supplied by the vehicle battery, high currents may be drawn under short circuit conditions. These currents can possibly heat metal objects such as tools, rings, watchbands, etc., enough to cause burns. Be careful when working near energized circuits!

High-level RF energy in the transmitter Power Amplifier assembly can cause RF burns upon contact. Keep away from these circuits when the transmitter is energized!