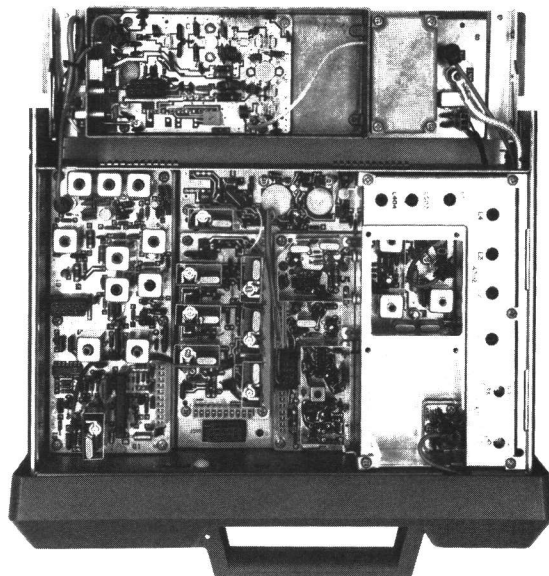


# MASTR<sup>®</sup> *Executive II* MAINTENANCE MANUAL

66-88 MHz RECEIVER

**Maintenance Manual LBI30552A**  
(DF1112, THIS SHEET ONLY)



## TABLE OF CONTENTS

SPECIFICATIONS .....	ii
DESCRIPTION AND MAINTENANCE .....	LBI30554 (DF1112)
RF ASSEMBLY AND MIXER-IF BOARD .....	LBI30555 (DF1107)
OSCILLATOR-MULTIPLIER BOARD .....	LBI30556 (DF1106)
IF-DETECTOR BOARD .....	LBI30049 (DF1105)

## SPECIFICATIONS\*

AUDIO OUTPUT (to 3.2-ohm Speaker	5 Watts at less than 5% distortion	
SENSITIVITY		
12-dB SINAD (EIA Method)	0.25 $\mu$ V	
20-dB Quieting Method	0.35 $\mu$ V	
SELECTIVITY		
EIA Two-Signal Method	-90 dB (adjacent channel, 25 kHz Channels)	
SPURIOUS RESPONSE	-100 dB	
FREQUENCY STABILITY	0.0005%	
MODULATION ACCEPTANCE	$\pm 7$ kHz	
SQUELCH SENSITIVITY		
Fixed Squelch	4 dB SINAD	
INTERMODULATION (EIA)	-80 dB	
MAXIMUM FREQUENCY SEPARATION	<u>Full Specifications</u>	<u>3 dB Degradation</u>
66-78 MHz	0.50 MHz	1.0 MHz
77-88 MHz	0.58 MHz	1.0 MHz
RF INPUT IMPEDANCE	50 ohms	

\* 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 +12 VDC, 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!