

CUSTOM MVP MAINTENANCE MANUAL

30-50 MHz RECEIVER

(Noise Blanker version is LBI-30161)

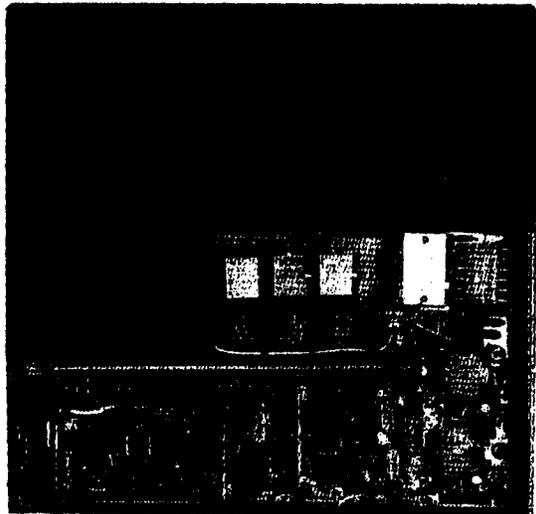
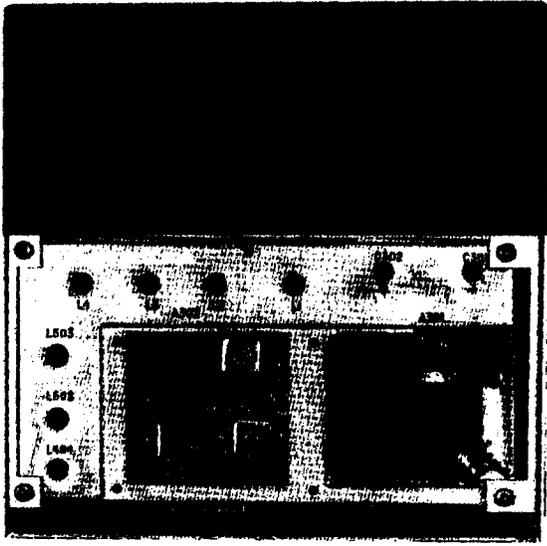


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DESCRIPTION AND MAINTENANCE	LBI30159 (DF1113)
RF ASSEMBLY AND MIXER-IF BOARD	LBI4989 (DF1107)
OSCILLATOR-MULTIPLIER BOARD	LBI30160 (DF1106)
IF-DETECTOR BOARD	LBI30049 (DF1105)

30-50 MHz Custom MVP RECEIVER

SPECIFICATIONS*

AUDIO OUTPUT (to 3.2-ohm Speaker)	3 Watts at less than 5% distortion	
SENSITIVITY		
12-dB SINAD (EIA Method)	0.25 uV	
20-dB Quieting Method	0.35 uV	
SELECTIVITY		
EIA Two-Signal Method	-95 dB (adjacent channel, 20 kHz Channels)	
SPURIOUS RESPONSE	-100 dB	
FREQUENCY STABILITY	0.0005%	
MODULATION ACCEPTANCE	±6.5 kHz	
SQUELCH SENSITIVITY		
Fixed Squelch	6 dB SINAD	
INTERMODULATION (EIA)	-80 dB	
MAXIMUM FREQUENCY SEPARATION (Multi-Frequency Units)	Full <u>Specifications</u>	3 dB <u>Degradation</u>
30-36 MHz	.120 MHz	.340 MHz
36-42 MHz	.160 MHz	.400 MHz
42-50 MHz	.360 MHz	.640 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 Custom MVP 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!