

CUSTOM MVP MAINTENANCE MANUAL

30-50 MHz RECEIVER

(Noise Blanker version is LBI-30161)

Maintenance Manual LBI30158A
(DF1113, THIS SHEET ONLY)

30-50 MHz Custom MVP RECEIVER

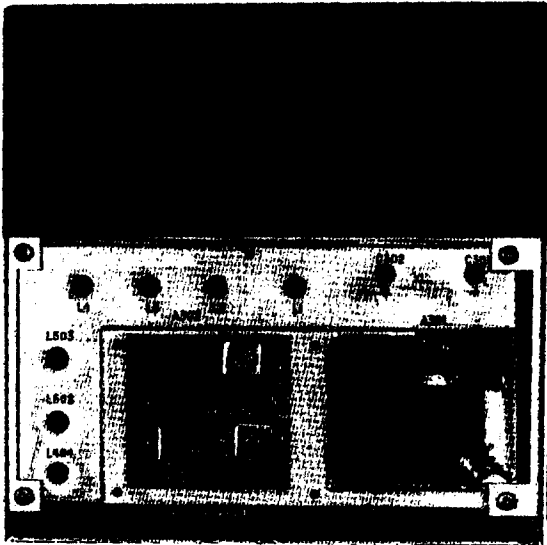


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| OSCILLATOR-MULTIPLIER BOARD | LBI30160 (DF1106) |
| IF-DETECTOR BOARD | LBI30049 (DF1105) |

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!