

CUSTOM MVP

MAINTENANCE MANUAL

406-512 MHz RECEIVER

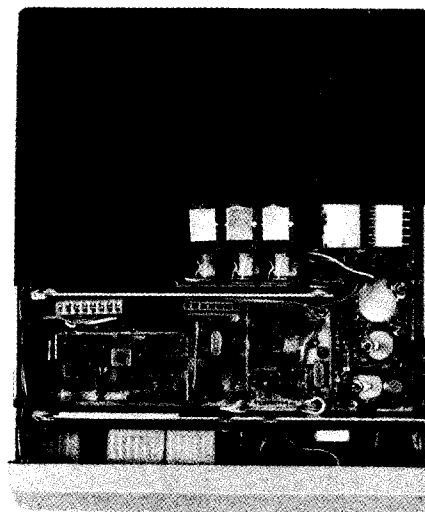
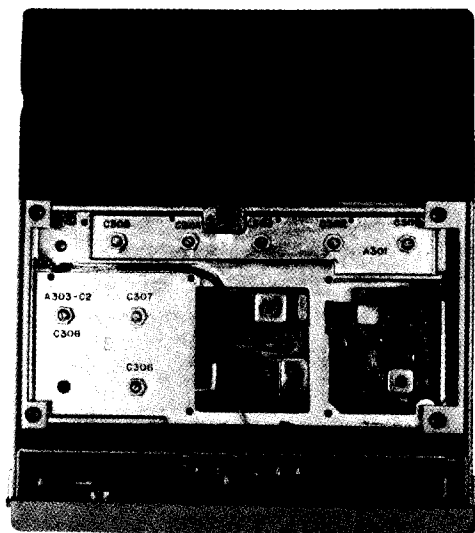


TABLE OF CONTENTS

SPECIFICATIONS	ii
DESCRIPTION AND MAINTENANCE	LBI30152
RF ASSEMBLY AND IF FILTER BOARD	LBI30032
OSCILLATOR-MULTIPLIER BOARD	LBI30147
IF-DETECTOR BOARD	LBI31118

SPECIFICATIONS*

AUDIO OUTPUT (to 3.2-ohm speaker)

3 Watts at less than 5% distortion

SENSITIVITY

Standard Receiver

Ultra-High Sensitivity
Receiver12-dB SINAD (EIA Method)
20-dB Quieting Method0.35 V
0.50 V0.20 V
0.25 V

SELECTIVITY

EIA Two-Signal Method

-85 dB

-85 dB

SPURIOUS RESPONSE

-100 dB

-90 dB

INTERMODULATION (EIA)

-80 dB

-75 dB

SQUELCH SENSITIVITY

Fixed Squelch

6 dB SINAD

FREQUENCY STABILITY

Crystal Module

0.0005%

MODULATION ACCEPTANCE

±7 kHz

MAXIMUM FREQUENCY SEPARATION

Full Specifications

3 dB Degradation

406-470 MHz
470-494 MHz
494-512 MHz1.60 MHz
1.50 MHz
1.50 MHz2.0 MHz
2.0 MHz
2.0 MHz

FREQUENCY RESPONSE

Within +1 and -8 dB of a standard 6-dB per octave de-emphasis curve from 300 to 3000 Hz (1000-Hz reference)

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 the Custom MVP receiver 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!

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