

Comments on the IMR54.

Please change the following resistor values:

R110 13.6 Ohms

R111 13.6 Ohms

R113 6.85 Ohms

R114 6.85 Ohms

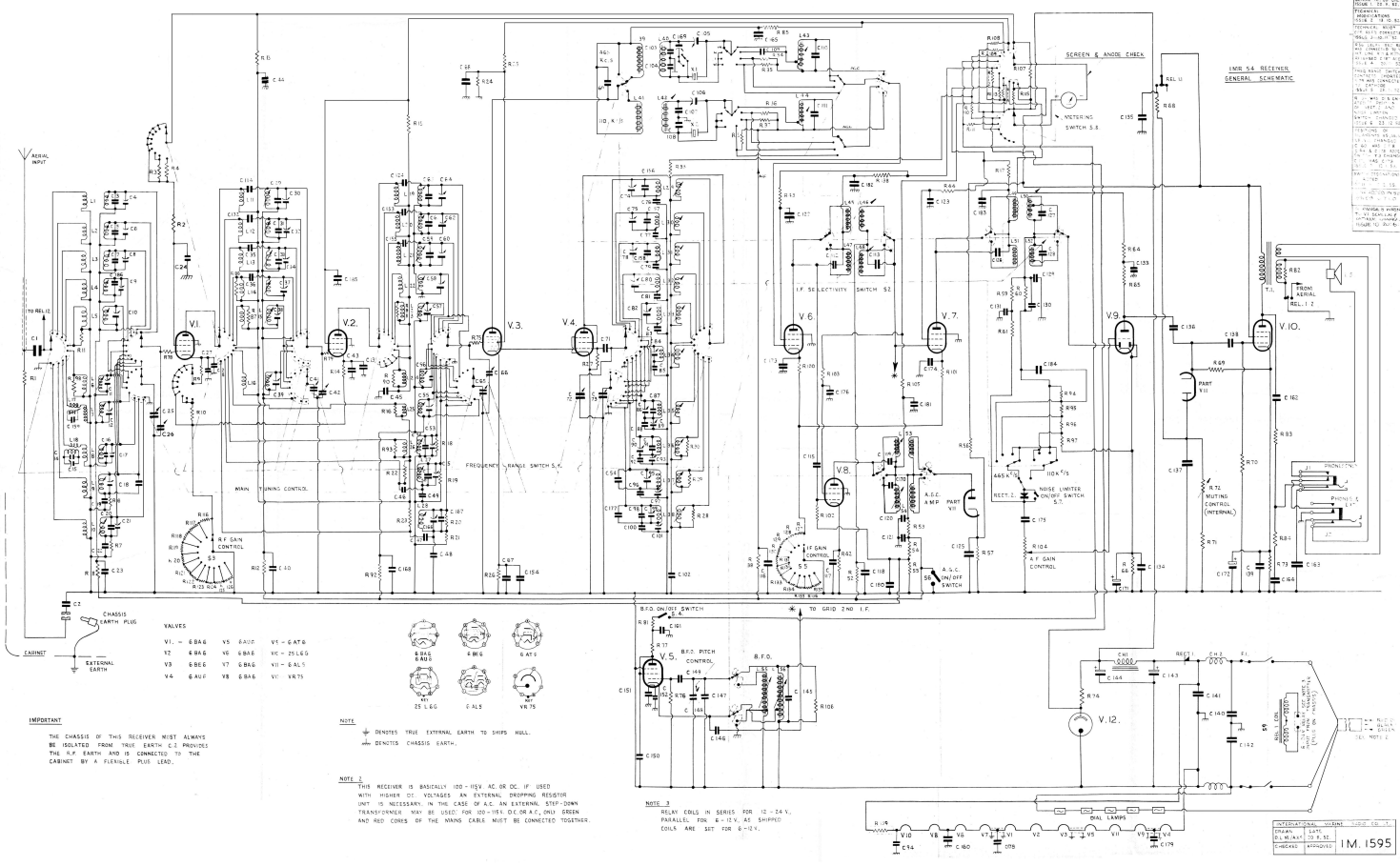
R115 2.3 Ohms

Please add the following capacitors:

C187 20 pF Silvered Mica (as C186)

C94 and C160, probably 0.01 μ F (as C178)

TM 22/11-2007



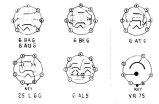
MODEL NO. 54
 Frequency
 1500 - 17.5 MC
 Modulation
 AM, FM, CW, SSB
 Power
 100 W
 Dimensions
 12" x 12" x 12"
 Weight
 10 lbs
 Price
 \$1000.00
 U.S. Patent
 2,800,000
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UMS-54 RECEIVER GENERAL SCHEMATIC

IMPORTANT
 THE CHASSIS OF THIS RECEIVER MUST ALWAYS BE ISOLATED FROM TRUE EARTH. C.2 PROVIDES THE A.P. EARTH AND IS CONNECTED TO THE CABINET BY A FLEXIBLE PLUG LEAD.

CHASSIS EARTH PLUG

V1 - 6BA6	V5 6AV6	V1 - 6AT8
V2 6BA6	V6 6BA6	V6 - 25L6G
V3 6BE6	V7 6BA6	V7 - 6AL5
V4 6AV6	V8 6BA6	V8 - 6X5



NOTE 1
 † DENOTES TRUE EXTERNAL EARTH TO SHIP'S HULL.
 ‡ DENOTES CHASSIS EARTH.

NOTE 2
 THIS RECEIVER IS BASICALLY 100 - 115V. AC OR DC. IF USED WITH HIGHER OR LOWER VOLTAGES AN EXTERNAL DROPPING RESISTOR UNIT IS NECESSARY. IN THE CASE OF A.C. AN EXTERNAL STEP-DOWN TRANSFORMER MAY BE USED FOR 200-110V. D.C. OR A.V. ONLY. DROPPING AND RES. COILS OF THE WINDING CABLE MUST BE CONNECTED TOGETHER.

NOTE 3
 RELAY COILS IN SERIES FOR 12-24V. PARALLEL FOR 4-12V. A.C. SHIPPED COILS ARE SET FOR 6-12V.