

Bulletin

MI20

VHF MARINE TRANSCEIVER

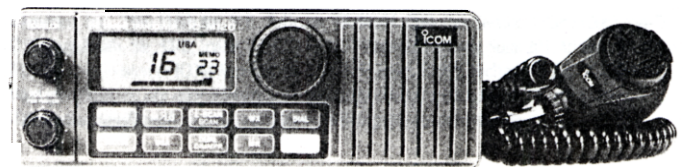
MIC MOD

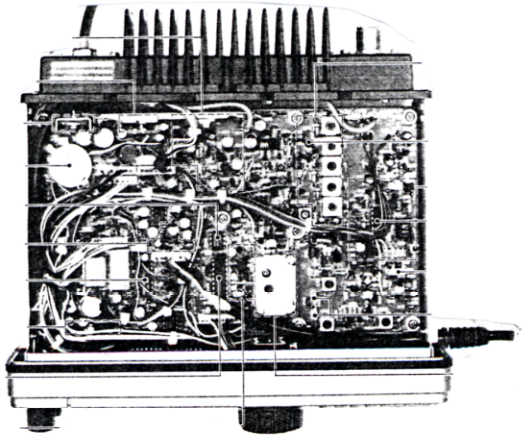
Gjkw2/14/01

The original EM53 and EM56 microphones are no longer available. The MI20 can be modified to accept a replacement HM114 hand microphone.

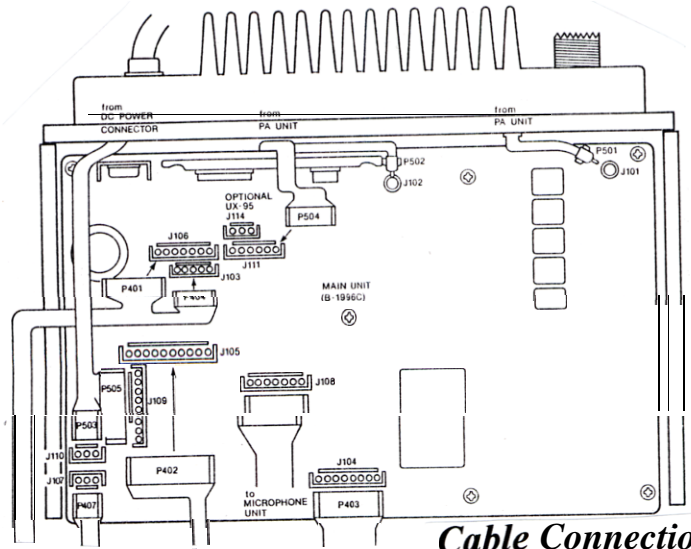
- 1- Remove the 6 screws on back of the MI20 holding the case in place and slide the case off
- 2- Unplug the old mic from the MAIN board 5108 jack and remove
- 3- Unplug coax connectors from P501 and P502
- 4- Unplug interboard connectors P402, P503 and P504 , remove 8 screws holding board down, then flip board over front panel to gain access to circuit side
- 5- Unsolder connector J108 (use extreme care to avoid board damage), then remove
- 6- Replace J108 with a (#936-05432) connector (make sure pins align 1 for 1 etc), solder
- 7- On bottom of MAIN board, jumper pin #1 to pin #7 on 5108
- 8- Sleeve ends of a 4.7K resistor (#915-01171) and install between pin 5 of J108 and the T8 connector at point "M"
- 9- Reinstall MAIN board and all previously removed connectors and screws
- 10- Thread new mic cord into radio, snug mic cord restraint into notch on side of chassis and plug into J108. The small 2 pin connector on the HM114 is not needed.

Note: *Up/Down buttons will not function on the new mic.*

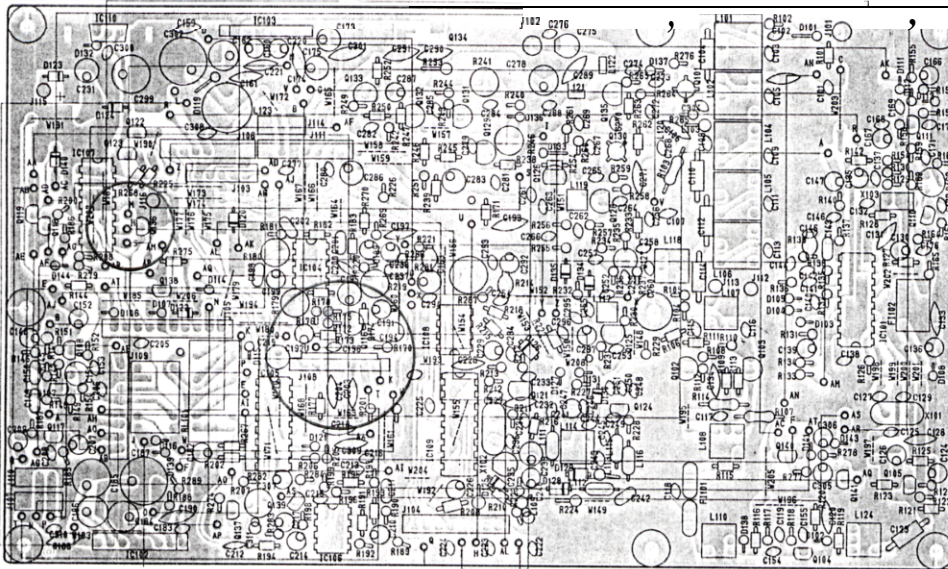




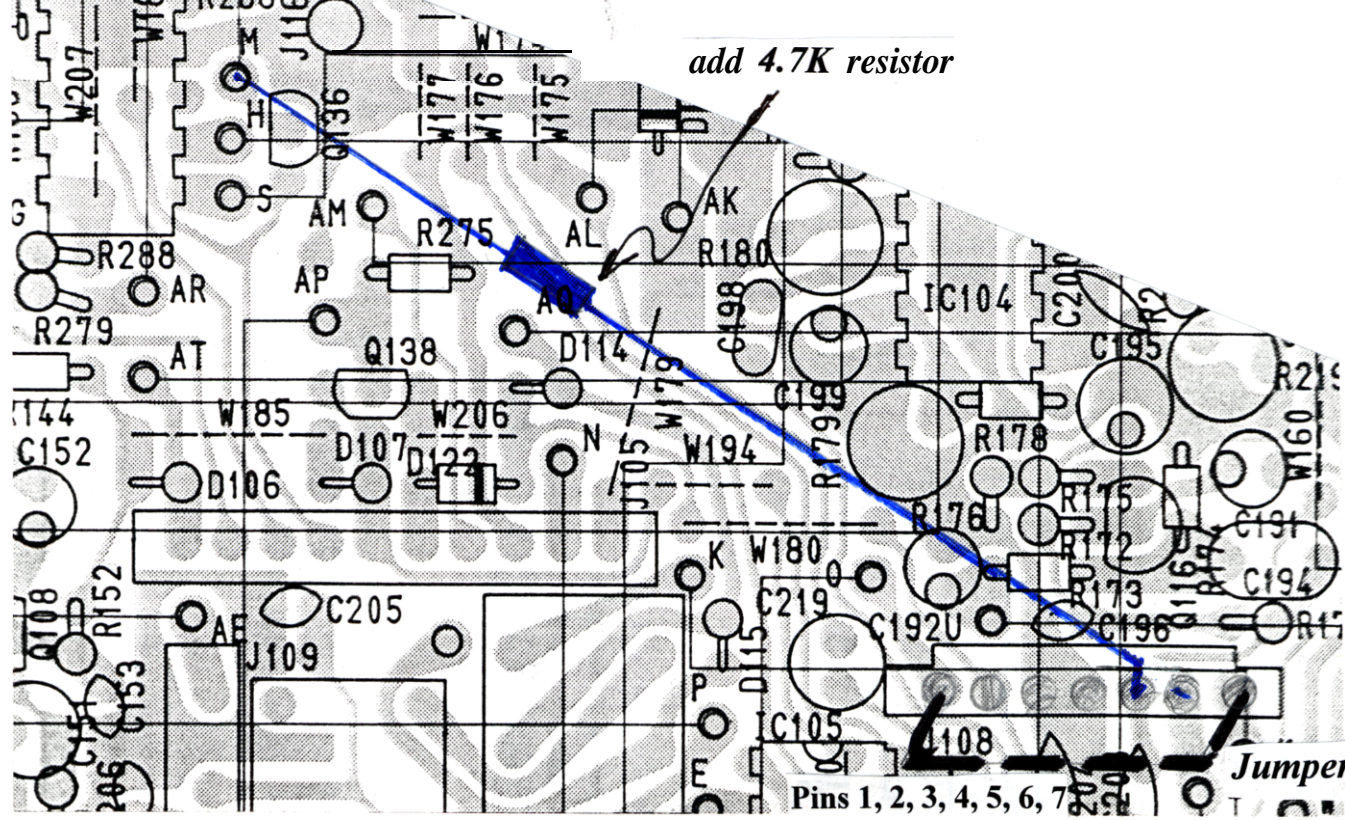
MAIN BOARD



Cable Connections



Exploded view of J108 and "M"



add 4.7K resistor

Jumper
Pins 1, 2, 3, 4, 5, 6, 7