ICOM

Bulletin

M502

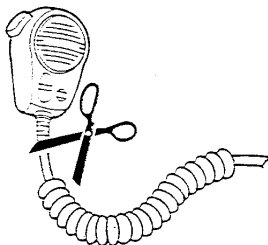## HS-50 HAND SET MOD

GJKW0112

<u>PURPOSE:</u> This modification will allow tbe M502 VHF Marine Band Transceiver to be used with tbe HS-SO Hand Set

<u>General Instructions:</u> You will be required to cut the HM126 mic cord and wire-in a connector to replace the mic, then you will be required to rewire the HS 50 cradle by adding a ground wire and a DC blocking capacitor. To mute the audio coming from the speaker of the M502, you will be required to cut trace on a "coffee bean" on the MAIN board.
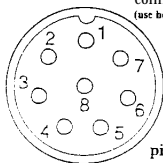
<u>Rewiring the HM126 Mic Cord</u>
- Cut cord below mic strain relief
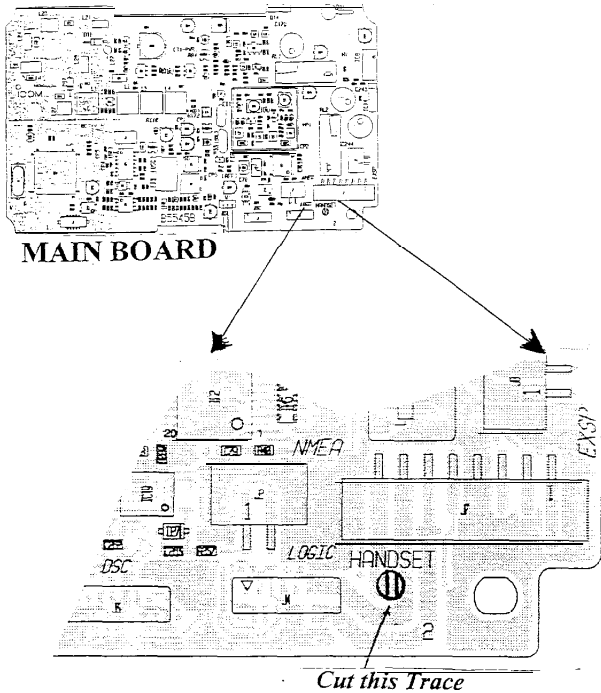- Solder mic cord wires to connector as shown below:

connector #936-10987
(use heat shrink tubing to dress leads)

pin 1) MIC (yellow)
pin 2) NC
pin 3) AF1 (n-hire)
pin 4) NC
pin 5) PTT (red)
pin 6) PTT GND (thick black)
pin 7) MIC GND (thin black)
pin 8) NC

To mute the speaker audio when using
the HS 50 handset you must open 2
"*Coffee Bean*" (*cut* trace) *on*
the Main Board of the M502.

MAIN BOARD

Cut this Trace

Rewiring the HS-50 Cradle
- Cut RED" wire from pin 2
- Solder a 0.047pf cap between
  pin 2 and the red wire
- Solder a jumper wire between
  pin 1 and 5

Jumper

Pin 2

Red Wire

Pin 5

Capacitor #918-01697