

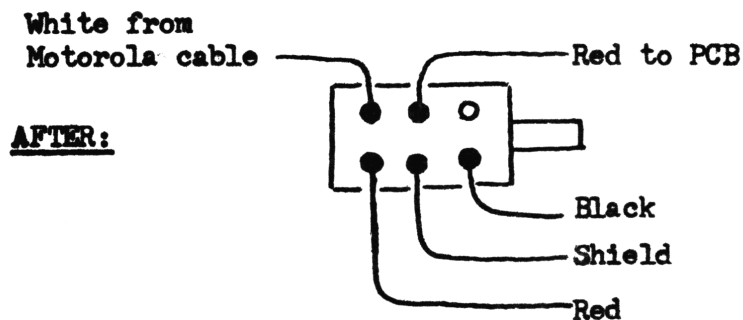
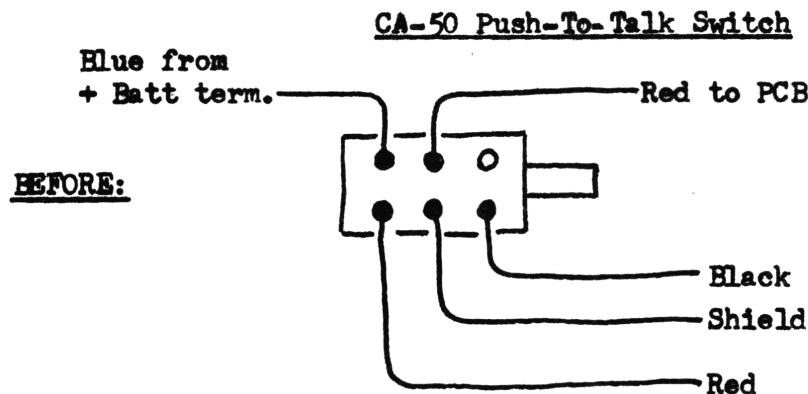
Motorola MOCAT 40 - Microphone Replacement

by G.B.

When the microphones on these units go bad, you have a BIG problem! Since they have a built-in preamp powered by the radio itself, can't be replaced by a stock microphone. Also from what I understand Motorola doesn't make/have replacement parts!

A CA-50 Cobra Power Microphone can be utilized by rewiring it to the original Motorola microphone cable as below:

1. A. Carefully remove microphone cord from CA-50 head, clean off the push-to-talk switch soldering points.
B. Remove Blue and Yellow wires (discard).
2. Carefully remove Motorola cable from microphone head - clean the ends of cable as will be reused.
3. Follow wiring diagram below using Motorola cable/plug, and CA-50 microphone head.



Now the radio will power the CA-50 and have plenty of audio.

THIS IS A PROVEN MODIFICATION.....

SPECIFIC TUNEUP

Fulcomm 2330 (23 Ch.) No SAMS #:

TX: Peak L463, L465, L451, and L441 for max forward on Ch 12; also L464 coils may be spread/compressed to tune. 2SC1975 is a 15W/2A Final.

VR481-AMC, VR491-TX Mtr, VR181-Sq Rng, VR151-RX Mtr, VR152-RF Gain.