

MICROPHONE INSTALLATION AND SUBSTITUTES

This radio is designed for use with, and supplied with, a low impedance dynamic microphone. If you replace the microphone supplied with this radio, you should use either a low-impedance microphone, or a transistorized one.

Replacement microphones must have a four-lead cable to properly work with this radio. The microphone should be wired in accordance with the Microphone wiring table and schematic below.

4 WIRE MIC CABLE

Pin Number	Mic. Cable Lead
1	Audio Shield
2	Audio Lead
3	Transmit Control
4	Receive Control

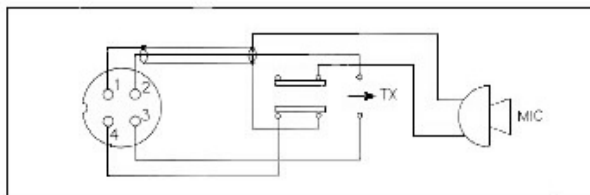


Fig. 1 Schematic of microphone

If the new microphone you are using has pre-cut leads, you must re-connect the leads in the following manner :

1. Cut leads so that they extend 7/16" beyond the insulating jacket of the cable. All leads should be approximately the same length
2. Strip approximately 1/8" of the insulation. Tin all leads and connections before soldering

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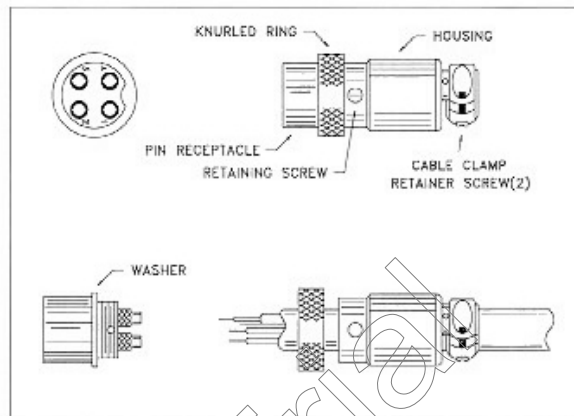


Fig. 2 Microphone plug wiring

Referring to Fig. 2 above,

3. Remove the retaining screw.
4. Unscrew the housing.
5. Loosen cable clamp screws.
6. Thread cable through the housing, knurled ring and washer.
7. Solder the wires to the pins in accordance with the microphone wiring table above and figure 3 below. Before soldering, the washer must be placed on the threaded portion of the pin receptacle body.

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