

(4) Feed the microphone cable through the housing, knurled ring and washer as shown in Figure 4.2 (page 13).

(5) The wires must now be soldered to the pins as indicated in Figure 4.2 (page 13). If a vise or clamping tool is available it should be used to hold the pin receptacle body during the soldering operation, so that both hands are free to perform the soldering. If a vise or clamping tool is not available, the pin receptacle body can be held in a stationary position by inserting it into the microphone jack of the front panel. The numbers of the pins of the microphone plug are shown in Figure 4.3, as viewed from the back of the plug. Before soldering the wire to the pins, pre-tin the wire receptacle of each pin of the plug.

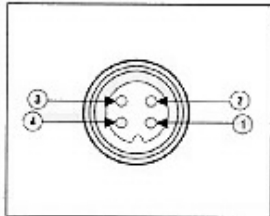


Figure 4.3 Microphone Plug Pin numbers Viewed from Rear of Pin Receptacle.

Be sure that the housing and the knurled ring of Figure 4.1 (page 12) are pushed back onto the microphone cable before starting to solder. If the washer is not captive to the pin receptacle body, make sure that it is placed on the threaded portion of the pin receptacle body before soldering.

If the microphone jack is used to hold the pin receptacle during the soldering operation, best results are obtained when the connections to pin 1 and pin 3 are made first and then the connections to pin 2 and pin 4. Use a minimum amount of solder and be careful to prevent excessive solder accumulation on pins, which could cause a short between the pin and the microphone plug housing.

(6) When all soldering connections to the pins of the microphone plug are complete, push the knurled ring and the housing forward and screw the housing onto the threaded portion of the pin receptacle body. Note the location of the screw clearance hole in the plug housing with respect to the threaded hole in the pin receptacle body. When the housing is completely threaded into the pin receptacle body, a final fraction of a turn either clockwise or counterclockwise may be required to align the screw hole with the threaded hole in the pin receptacle body. When these are aligned, the retaining screw is then screwed into the screw hole to secure the housing to the pin receptacle body.

(7) The two cable clamp retainer screws should now be tightened to secure the housing to the microphone cord. If the cutting directions have been carefully followed, the cable clamp should be secured to the insulating jacket of the microphone cable.

(8) Upon completion of the microphone plug wiring, connect and secure the microphone plug in the transceiver.