MOLEX CONNECTOR ASSEMBLY

The IC-A200 mates with a Molex connector in the rack mount. Assemble the Molex connector as follows.

■ Contact terminal assembly

1) Strip 4 mm (0.16 in) from each wire for the contact terminal.
2) Open the HTR-6115 Molex hand crimper with the engraved side toward you.
3) Insert the stripped conductor until the insulation is even with the side of the crimper facing you.
4) Clip the conductor tab until a crimp is obtained.
5) Move the lead to the crimper anvil.
6) Place the insulating tab section on the crimper anvil.
7) Crimp again until a sufficient crimp is obtained.

■ Contact insertion

Insert the contact terminals into the proper location in the connector housing. Push the terminal until a click is heard.

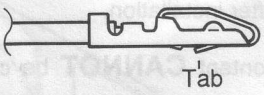
■ Polarizing key

Before installing the Molex connector into the mounting rack, check the polarizing key position between contacts 8 and 9. Refer to Connector front view in WIRING at left.

■ Contact extraction

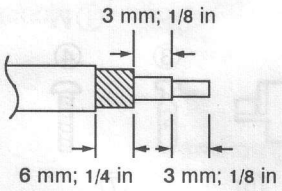
Use the Molex contact ejector tool.

1) Slip the flat narrow blade of the contact ejector tool under the contact on the mating side of the connector.
2) Turn the connector upside down to slide the blade into the stop.
3) When the blade is fully in, pull the lead using moderate pressure.
4) Before reinstalling, make sure the tab extends as in the figure below.



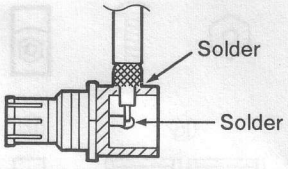
COAXIAL CONNECTOR ASSEMBLY

1) Strip the RG-58 coaxial cable. Soft solder the shield and center conductor independently.

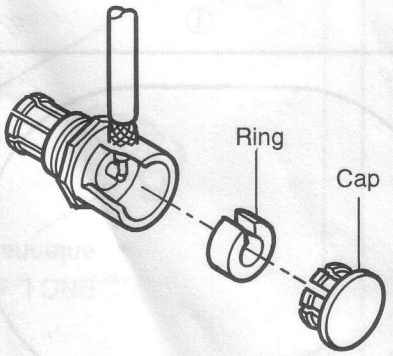


10 mm ≒ 3/8 in

2) Solder the shield and center conductor to the coaxial connector. **DO NOT** apply excessive heat.



3) After soldering, install a ring and a cap.



OPERATION CHECK

Check the following points after transceiver installation.

- Polarity of the power supply.
- **NO** interference caused to other equipment.
- **NO** noise or interference from other equipment.
- VSWR is less than 3 : 1.
- Communication capability on both the highest and lowest communication frequency, if possible.