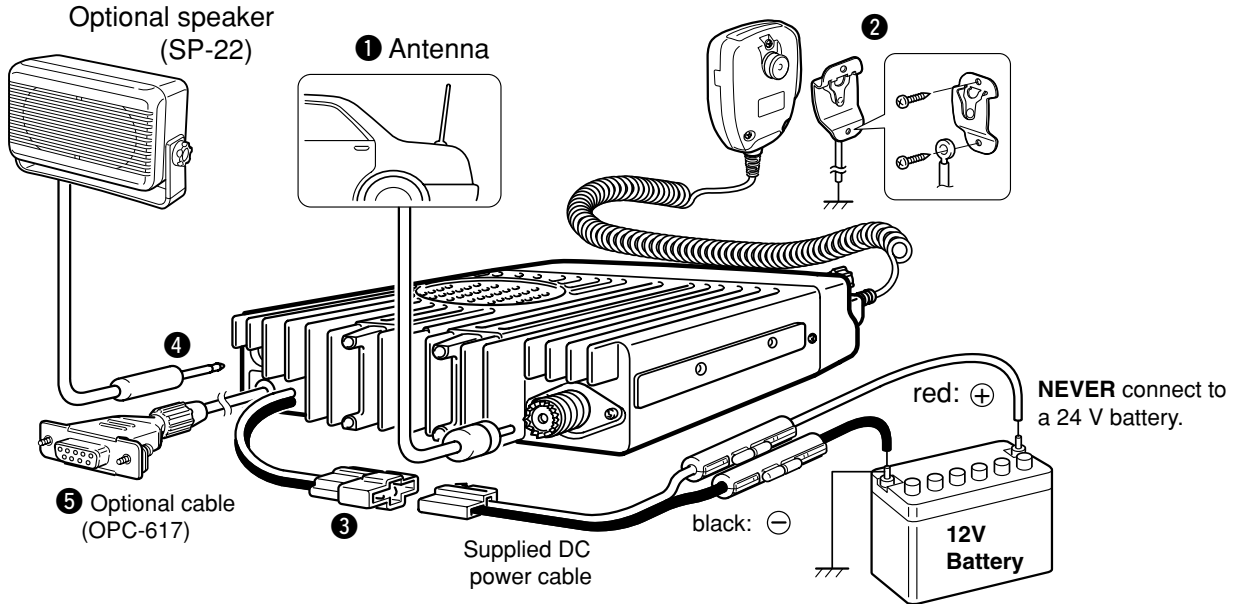


4

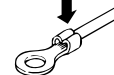
CONNECTION AND MAINTENANCE

■ Rear panel and connection



Note: Use the terminals for the cable connections.

Crimp



Solder



1 ANTENNA CONNECTOR

Connects to an antenna. Ask your Dealer about antenna selection and placement.

2 MICROPHONE HANGER

Connect the supplied microphone hanger to the vehicle's ground for microphone on/off hook functions. (See p. 2)

3 DC POWER RECEPTACLE

Connects to a **12 V DC** battery. Pay attention to polarities. **NEVER** connect to a **24 V** battery. This could damage the transceiver.

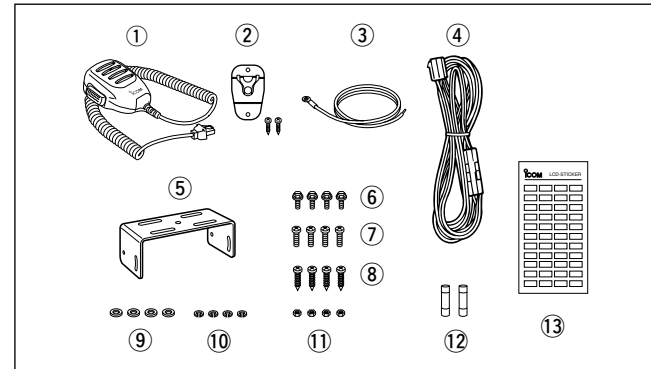
4 EXTERNAL SPEAKER JACK

Connect a 4–8 Ω external speaker, if desired.

5 OPTIONAL CABLE (OPC-617)

Connect an external modem unit, LCD backlight control, etc.

Supplied Accessories



- ① Microphone 1
- ② Microphone hanger and screw set 1 set
- ③ Microphone hanger cable . 1
- ④ DC power cable (OPC-345)1
- ⑤ Mounting bracket 1
- ⑥ Bracket bolts 4
- ⑦ Mounting screws (M5×12) . 4
- ⑧ Self-tapping screws (M5×20) 4
- ⑨ Flat washers 4
- ⑩ Spring washers 4
- ⑪ Nuts 4
- ⑫ Fuse s (15 A) 2
- ⑬ Function name stickers* (1705 LCD SEAL(D))1

***Function name stickers**

There are no names on the programmable function keys since the needed functions can be assigned to these keys. Attach the supplied function name stickers above the appropriate keys.

4 CONNECTION AND MAINTENANCE

■ Mounting the transceiver

The front panel can be inverted for correct viewing while leaving the built-in speaker facing away from the mounting surface.

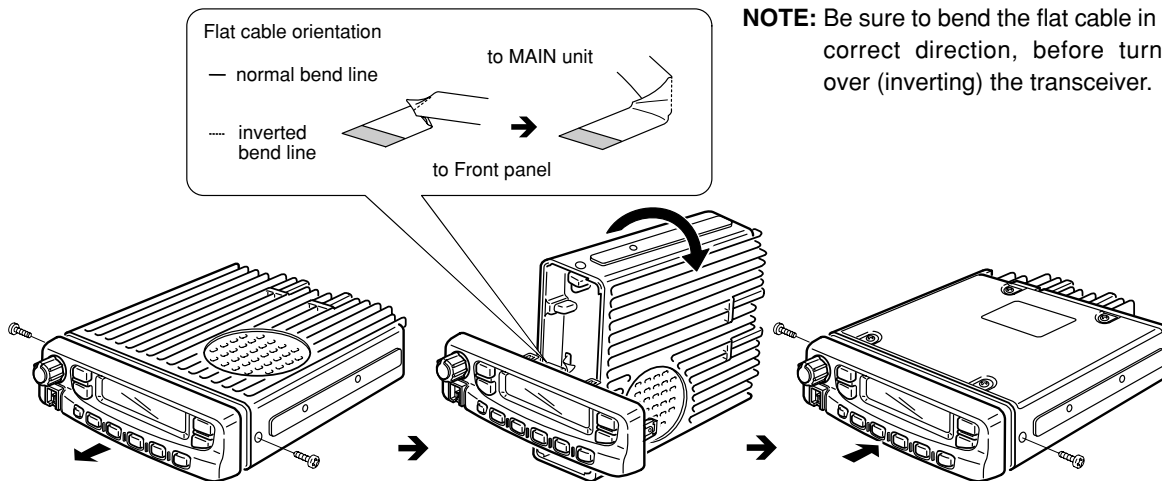
◇ Inverting the Front panel

- ① Unscrew the 2-side screws.
- ② Detach the Front panel forward from the transceiver.
- ③ Bend the flat cable between Front panel and main unit as shown in the following diagram.

- ④ Invert the transceiver 180 degrees clockwise as below.
- ⑤ Re-attach the Front panel to the transceiver.
- ⑥ Tighten the 2 screws.

CAUTION:

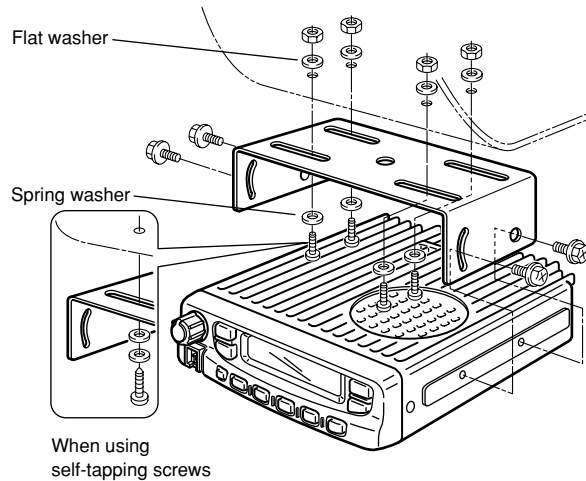
- **NEVER** rotate the transceiver more than 180 degrees.
- **DO NOT** bend the flat cable too hard. Damage may occur.



◇ Mounting the transceiver

The universal mounting bracket supplied with your transceiver allows overhead mounting.

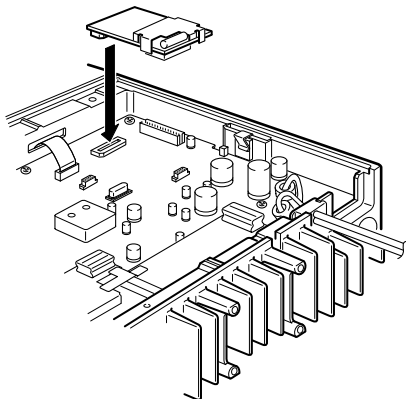
- Mount the transceiver securely with the 4 supplied screws to a thick surface which can support more than 1.5 kg.



■ Optional UT-105 and UT-108 installation

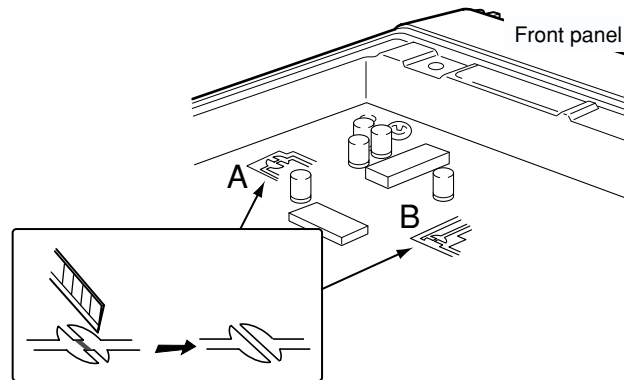
The optional UT-105 and UT-108 units install as follows:

- ① Turn power OFF, then disconnect the DC power cable.
- ② Unscrew the 4 screws, then remove the bottom cover.
- ③ Install the unit as shown in the diagram below.
- ④ Replace the bottom cover and screws, then the DC power cable.

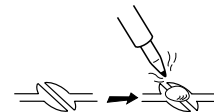


■ Optional UT-109 /UT-110 installation

- ① Turn power OFF, then disconnect the DC power cable.
- ② Unscrew the 4 screws, then remove the bottom cover.
- ③ Cut the print pattern on the PCB at the TX mic circuit (A) and RX AF circuit (B) as shown in the following figure.
- ④ Install the scrambler unit as shown in the left.
- ⑤ Return the bottom cover and screws to the original position.

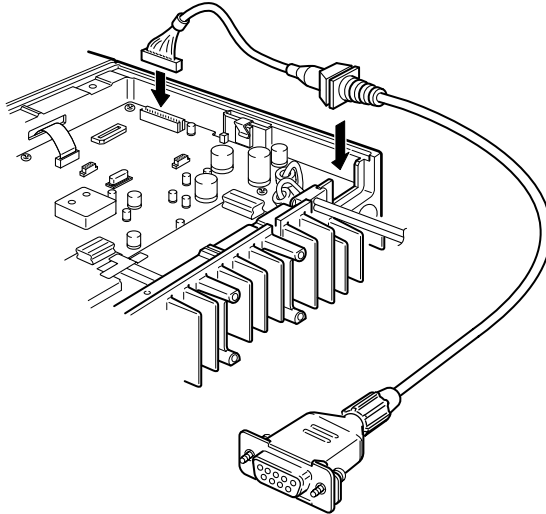


NOTE: Be sure to re-solder above disconnected points, otherwise no TX modulation or AF output is available when you remove the scrambler units.

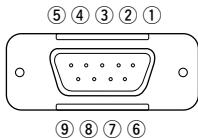


Optional OPC-617 installation

Install the OPC-617 as shown below.



OPTIONAL CABLE PIN ASSIGNMENT



- | | |
|------------------------|------------------------|
| ① LCD backlit cont. IN | ⑥ Horn drive cont. OUT |
| ② AF OUT | ⑦ AF GND |
| ③ Det. AF OUT | ⑧ Det. AF GND |
| ④ Mod. IN | ⑨ Mod. GND |
| ⑤ PTT control IN | |

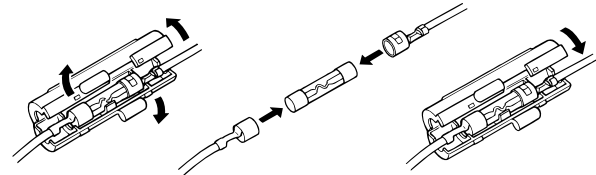
Antenna

A key element in the performance of any communication system is an antenna. Ask your Dealer about antennas and the best places to mount them.

Fuse replacement

Two fuses are installed in the supplied DC power cable. If a fuse blows or the transceiver stops functioning, track down the source of the problem, if possible, and replace the damaged fuse with a new rated one.

□ Fuse rating : 15 A



Cleaning

If the transceiver becomes dusty or dirty, wipe it clean with a dry, soft cloth.



AVOID the use of solvents such as benzene or alcohol, as they may damage transceiver surfaces.