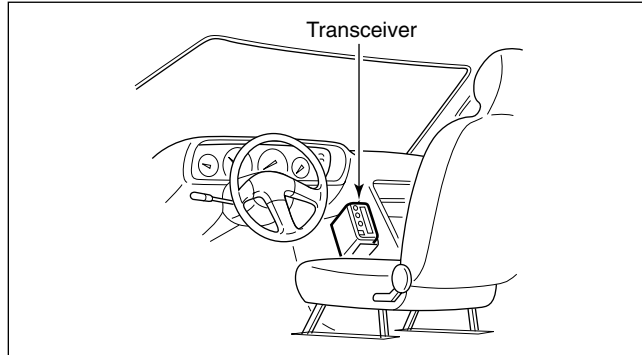


QUICK REFERENCE GUIDE

■ Installation

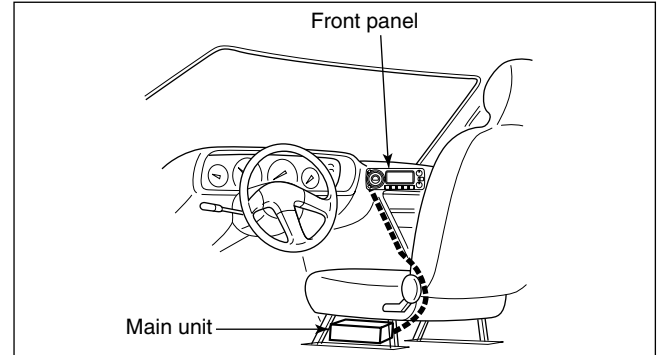
◇ Installation methods

• *Single body installation*



- The supplied mounting bracket (or optional MB-17A) can be used for the main unit installation.

• *Remote installation*



- The supplied OPC-600/R SEPARATION CABLE can be used for remote installation.
- Optional OPC-601/R SEPARATION CABLE (7 m; 23 ft) is available for extend installation.
- Optional MB-58 REMOTE CONTROLLER BRACKET and MB-65 MOUNTING BASE are available for increasing front panel mounting possibilities.
- Optional OPC-440 MICROPHONE CABLE (5.0 m; 16.4 ft) and OPC-647 (2.5 m; 8.2 ft) are available to extend the microphone cable.
- Optional OPC-441 SPEAKER CABLE (5.0 m; 16.4 ft) is available to extend the speaker cable.

◇ **Location**

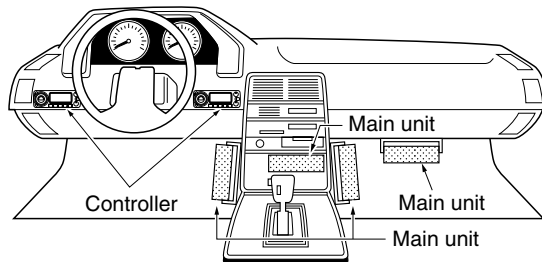
Select a location which can support the weight of the transceiver and does not interfere with driving. We recommend the locations shown in the diagram below.

NEVER place the transceiver or remote controller where normal operation of the vehicle may be hindered or where it could cause bodily injury.

NEVER place the transceiver or remote controller where air bag deployment may be obstructed.

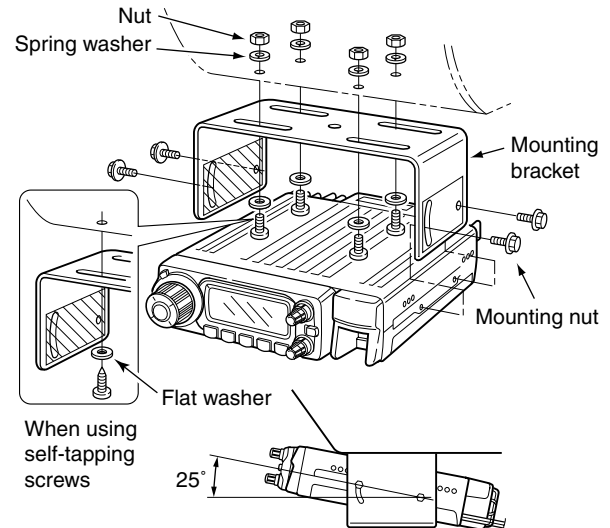
DO NOT place the transceiver or remote controller where hot or cold air blows directly onto it.

AVOID placing the transceiver or remote controller in direct sunlight.



◇ **Using the mounting bracket**

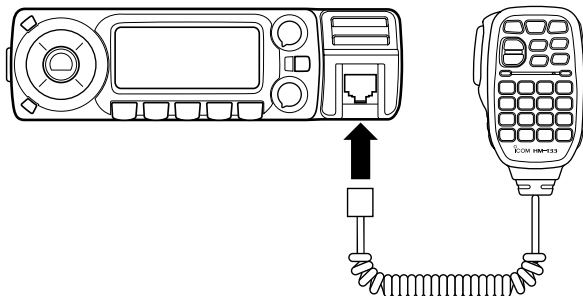
- ① Drill 4 holes where the mounting bracket is to be installed.
 - Approx. 5.5–6 mm (1/4") when using nuts; approx. 2–3 mm (1/8") when using self-tapping screws.
- ② Insert the supplied screws, nuts and washers through the mounting bracket and tighten.
- ③ Adjust the angle for your suitable position.



QUICK REFERENCE GUIDE

◆ Microphone connection

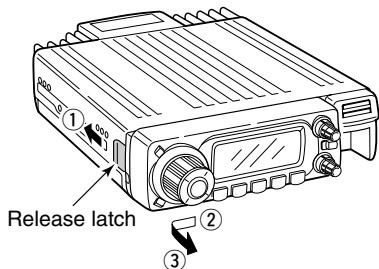
Connect the supplied microphone as illustrated below.



◆ Separation cable connection

Using the supplied separation cable (3.5 m; 11.5 ft) or the optional separation cable (7 m; 23 ft) the controller can be separated from the main unit, doubling as a remote controller.

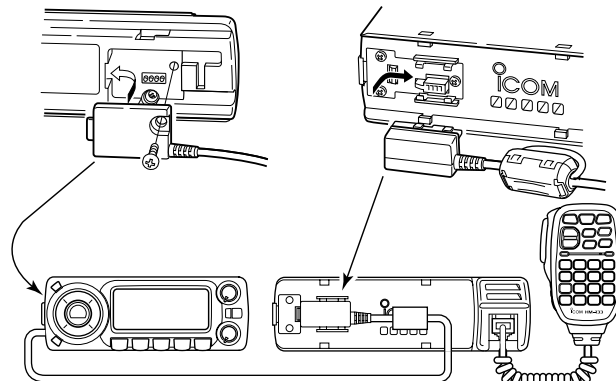
① Detach the controller as below.



② Connect a separation cable between the controller and main unit using the supplied screws as illustrated below.

• Controller's rear panel

• Main unit



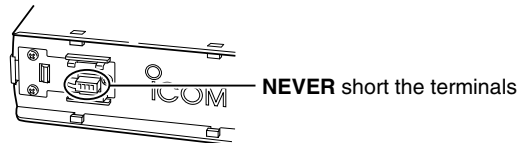
OPC-600/R or OPC-601/R

A ferrite core is adapted for the USA version.

CAUTION!

NEVER short the terminals of the separation connector.

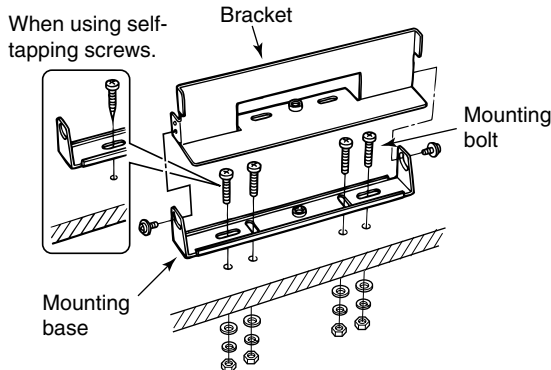
The 13.8 V power line is available in the connector, so the transceiver may damage when short circuited.



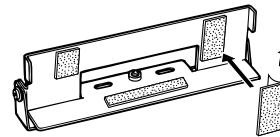
◆ **Optional MB-58 installation**

The optional MB-58 REMOTE CONTROLLER BRACKET is available for separate installation.

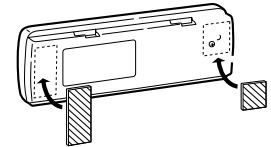
- ① Drill 2 or 4 holes where the bracket is to be installed.
 - Approx. 4 mm (1/8") when using nuts; approx. 1–2 mm (1/16") when using self-tapping screws.
- ② Insert the supplied screws, bolts and washers through the mounting base and tighten.
- ③ Adjust the angle for the clearest view of the function display and tighten 2 screws when the mounting base is used.



- ④ Attach the supplied Velcro pads (large) to the remote controller and bracket.
- ⑤ Attach the supplied Velcro pads (small) or rubber pad to the bracket as shown below; then attach the remote controller.



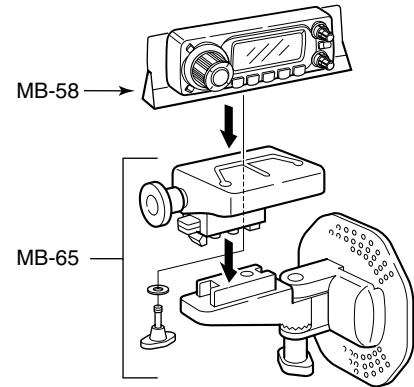
MB-58



IC-208H remote controller

• **When using the optional MB-65**

Adjust the viewing angle for maximum visibility of the function display.



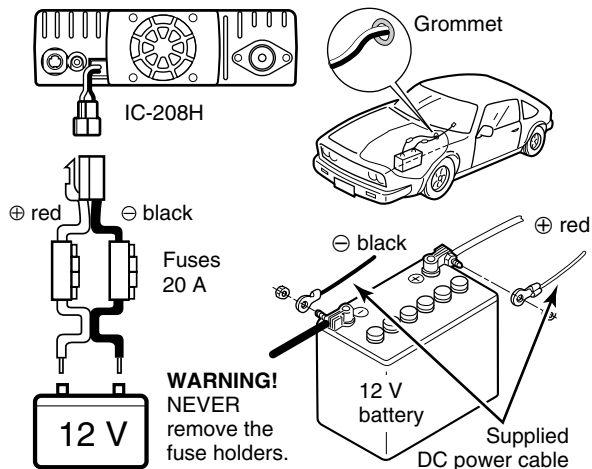
QUICK REFERENCE GUIDE

◆ Battery connection

- ⚠ **WARNING NEVER** remove the fuse holders from the DC power cable.
- ⚠ **NEVER** connect the transceiver directly to a 24 V battery.
- ⚠ **DO NOT** use the cigarette lighter socket for power connections. (See p. 5 for details)

Attach a rubber grommet when passing the DC power cable through a metal plate to prevent a short circuit.

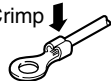
• CONNECTING TO A DC POWER SOURCE



NOTE:

Use terminals for the cable connections.

Crimp



Solder

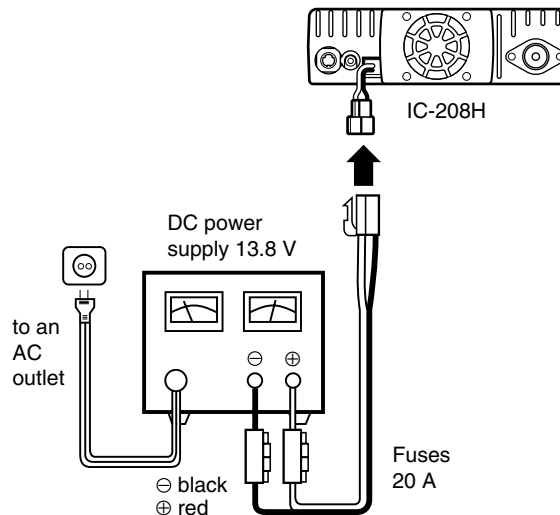


◆ DC power supply connection

Use a 13.8 V DC power supply with at least 15 A capacity.

Make sure the ground terminal of the DC power supply is grounded.

• CONNECTING TO A DC POWER SUPPLY

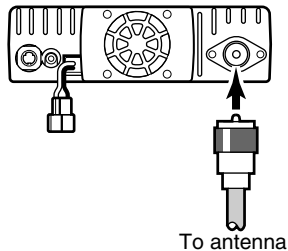
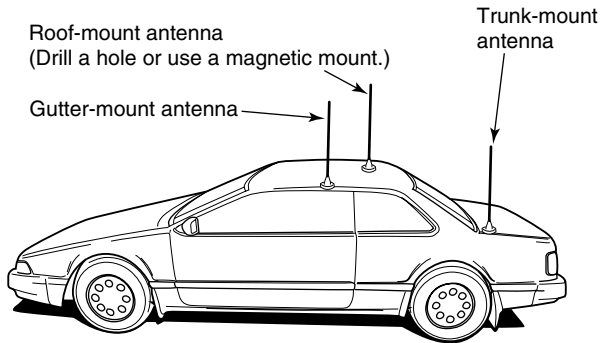


See p. 76 for fuse replacement.

◇ **Antenna installation**

• **Antenna location**

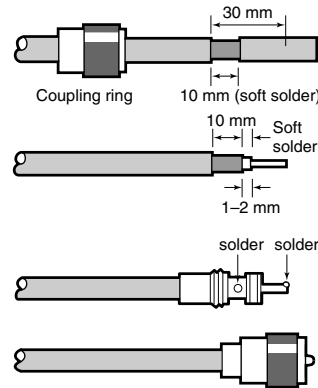
To obtain maximum performance from the transceiver, select a high-quality antenna and mount it in a good location. A non-radial antenna should be used when using a magnetic mount.



• **Antenna connector**

The antenna uses a PL-259 connector.

• **PL-259 CONNECTOR**



① Slide the coupling ring down. Strip the cable jacket and soft solder.

② Strip the cable as shown at left. Soft solder the center conductor.

③ Slide the connector body on and solder it.

④ Screw the coupling ring onto the connector body.
(10 mm \approx 3/8 in)

/// **NOTE:** There are many publications covering proper antennas and their installation. Check with your local dealer for more information and recommendations.