

INSTALLATION

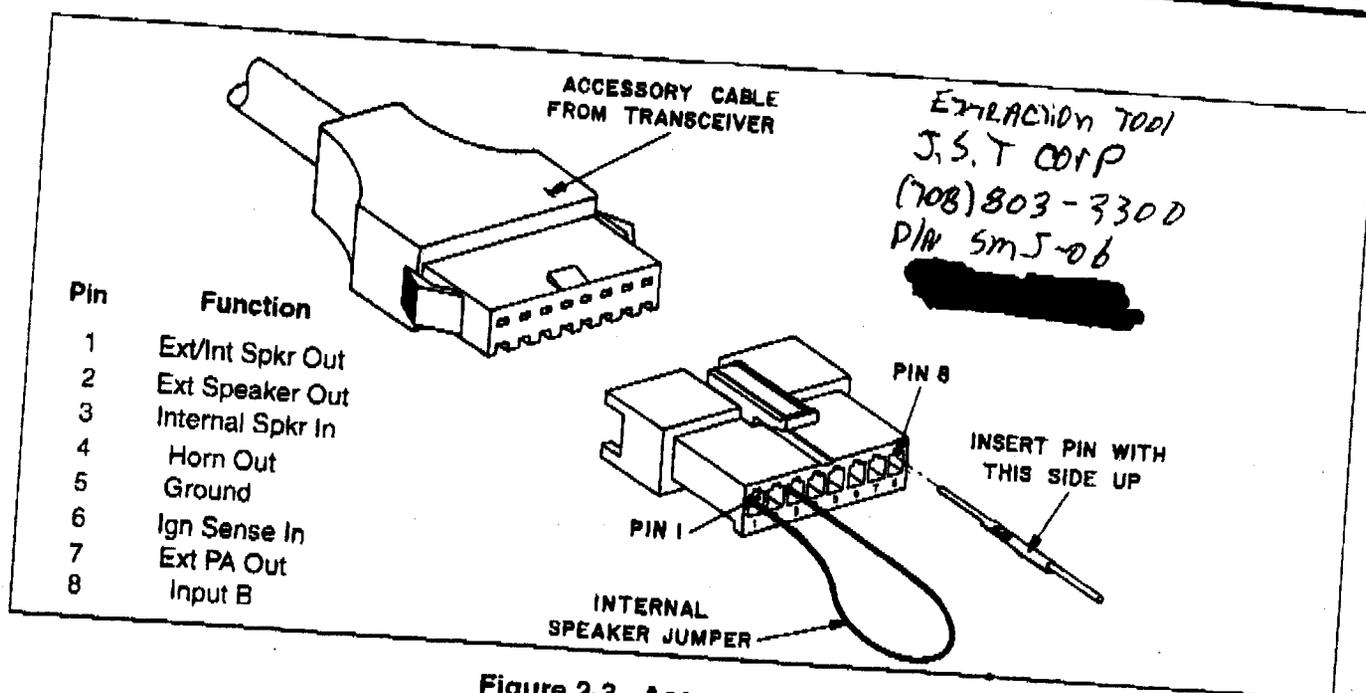


Figure 2-3 Accessory Jack

2.4.4 HORN ALERT

The horn alert is currently not available.

2.4.5 EXTERNAL PUBLIC ADDRESS

The speaker signal is routed to pin 7 of the accessory connector. This output can be used for external accessories such as a public address system. Use one of the included accessory cable wire assemblies to connect this output.

2.4.6 INPUT B (EMERGENCY SWITCH)

If an emergency switch is used to set up a high priority call (see Section 3.6.8), a front panel option switch or an external switch such as a foot-operated type can be used. If an external emergency switch is used, the input is pin 8 of the accessory connector. This input is active high and requires a +12 VDC signal to activate. Use an accessory cable wire assembly to connect this switch.

2.5 REMOTE CONTROL UNIT INSTALLATION

2.5.1 ACCESSING SWITCHES AND JUMPERS

There are two DIP switches and three jumpers on the display controller board of the remote control unit that may need to be changed. Refer to the configura-

tion information which follows and in Table 2-1. If the default condition of these switches and jumpers must be changed, they are accessed as follows:

1. Remove the back cover of the remote control unit. The audio PA board is then the top board, followed by the display controller board, and then the display board.
2. To temporarily move the audio PA board out of the way, release it from the housing by pressing the two plastic clips on the bottom edge. The display controller board (see Figure 2-4) is then exposed.

2.5.2 SETTING S1 DIP SWITCHES

Switches 8 and 9 of DIP switch S1 on the display controller board (see Figure 2-4) set the master/slave configuration of the control unit as follows. Set these switches as indicated in Table 2-1.

Master = Sw 8 Off, Sw 9 On (default)
Slave = Sw 8 On, Sw 9 Off

2.5.3 SETTING JUMPERS R756/R758/R759

Jumper resistors R756, R758, and R759 on the display controller board (see Figure 2-4) set the speaker volume control configuration as follows. Set these jumpers as indicated in Table 2-1.

bracket using the included self-drilling screws or other screws if desired.

2. Install the transceiver in the bracket using the included knobs.
3. With front-mount transceivers, install the microphone hanger in a convenient location using the screws for sheet metal or plastic. The hanger must be connected to chassis ground for proper operation of functions such as monitoring and scan. If required, ground the hanger using the included ground wire.

2.3 POWER CABLE INSTALLATION

NOTE: Both leads of the power cable should be connected directly to the vehicle battery. Connection to other points may result in increased interference from the vehicle's electrical system.

1. Disconnect the negative cable from the battery to prevent damage from accidental short circuits.
2. Route the red and blue power cables to the battery. If there is excess cable, cut it off at a convenient location and then splice it using the included butt splice connectors. You may also need to cut the cable if it must be routed through the firewall and there is no opening large enough to clear the fuseholder. If a hole is drilled in the firewall, be sure to seal it when the installation is complete.
3. Connect the red power cable to the positive (+) terminal of the battery. To minimize the chance of a short circuit occurring in the unfused portion of the cable, make sure that there is a minimum length of cable between the fuseholder and positive terminal.
4. Connect the blue cable to the negative (-) battery terminal.
5. Plug the power cable into the transceiver and reconnect the negative battery cable.
6. Install the antenna according to the manufacturer's instructions. The transceiver has an "N" connector. Check VSWR. Reflected power should be less than 4% of forward power (VSWR less than 1.5 to 1).

2.4 ACCESSORY CABLE INSTALLATION

2.4.1 GENERAL

Accessory Cable Kit, Part No. 023-9750-011, is standard with this transceiver. The cable in this kit is used for connecting the ignition sense input and the external speaker and horn alert accessories to the pigtail cable coming from the back of the transceiver.

Two 8-pin connectors are included. One has a jumper installed from pin 1 to 3 for routing audio to the internal speaker (see next Section 2.6) and the other does not have any wires installed. Also included are two 22-foot and three 2-foot wires with attached pins that can be used as required. Refer to Figure 2-3 and install this cable as described in the following information.

NOTE: The ignition sense input must always be connected because the transceiver does not operate if it is not. In addition, the speaker jumper must be installed to route audio to the internal speaker (except with remote mount models).

2.4.2 SPEAKER

Refer to Section 2.6.

2.4.3 IGNITION SENSE

This ignition sense line is pin 6 of the accessory connector, and it is connected using an included wire assembly. When the ignition sense input is connected to a source switched by the vehicle ignition switch, it provides the following functions.

1. Power automatically turns on and off with the ignition switch.
2. A turn-off delay can be programmed (see Section 3.4.4). An automatic turn-off delay may prevent accidental discharge of the vehicle battery if the transceiver is left on for extended periods (1 or 2 days). Standby current is approximately 600 mA.

If these features are not used and transceiver power is to be controlled by the front-panel power switch only, the ignition sense input can be connected to an unswitched source.