

4. EXPANDED ACCESSORY CONNECTOR

a. General

This section provides a description of the pin functions on the Expanded Accessory Connector. See Figure 1 to note pin locations in the connector housing.

PIN NUMBER	DESCRIPTION
1	External Speaker Negative
2	Microphone Audio 80mV RMS @ 3kHz Deviation
3	Microphone PTT
4	Programmable - See Radio Service Software (Defaults to External Alarm Output 0.25 Amps Max.)
5	Flat Transmit Audio 150mV RMS @ 3kHz Deviation
6	Programmable - See Radio Service Software
7	Ground
8	Emergency Alert Input
9	Ignition Control Input
10	Discriminator Audio Output 350mV RMS @ 3kHz Deviation
11	Programmable - See Radio Service Software
12	Switched A+ Sense 0.6 Amps Max.
13	Programmable - See Radio Service Software
14	Internal Speaker Positive
15	External Speaker Positive
16	

2-WAY (-) OUTPUT
RELAY (+)
2-WAY INPUT (+)
RELAY (-)
2-WAY INPUT (-)
2-WAY OUT (+)

rear of the mounting bracket, then slide the small locking flanges into the slots at the front of the mounting bracket.

Lock the locking trunnion into the mounting bracket using the key provided.

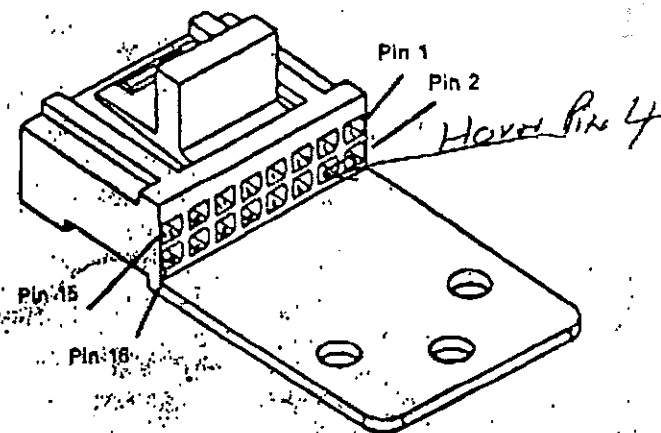


Figure 1

b. Terminal Extraction

Use the extraction tool, included with the Expanded Accessory Connector option, to remove the terminals by inserting the tool as shown in Figure 2. After inserting the tool, gently remove the terminal by pulling the wire away from the housing.

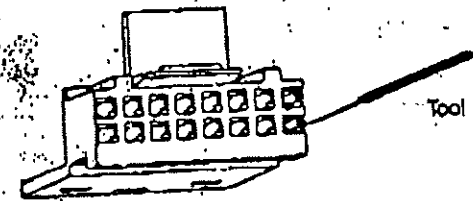


Figure 2

c. Pin Insertion

After crimping the wire to the terminal, insert the terminal into the desired housing location. Pin locations are shown in Figure 1. Make sure the locking tab on the terminal is facing down toward the strain relief tab and that the terminal clicks into place. If required, a hardware kit can be ordered that includes 16 connector pins, an extra housing and (5) 8-inch wires with connector pins attached. Motorola part no. HLN9457.

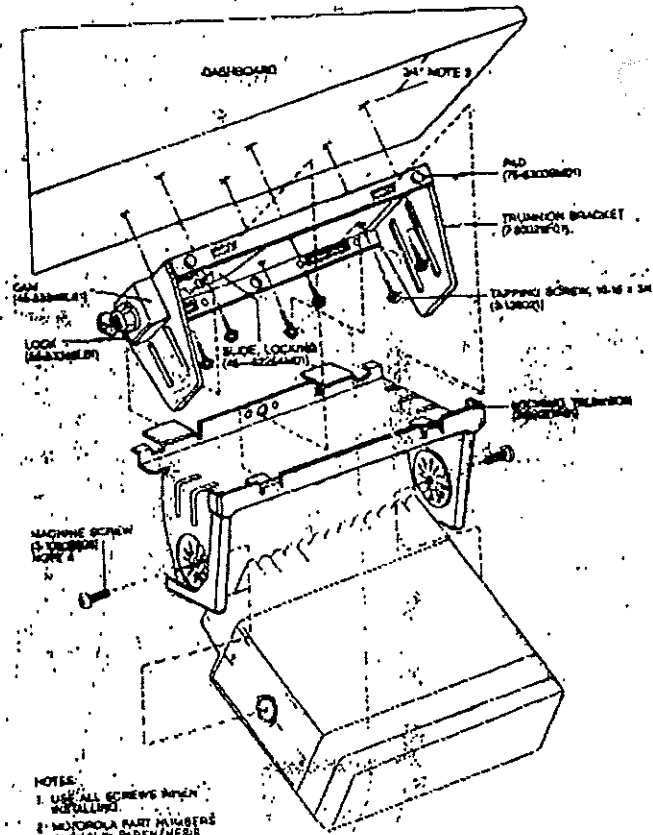
5. LOCKING TRUNNION Model HLN4426 (B81 Option)

Refer to the illustration and mount the Locking Trunnion as follows:

- Using the mounting bracket as a template, drill six 5/32" holes. If mounting on plastic surface, use metal backing plate or select mounting position around metal dash supporting frame to strengthen installation.
- Using the six #10-16 x 3/4" screws provided, attach the mounting bracket to the mounting surface. Allow 3/4" clearance in front of the bracket so locking trunnion may be inserted in the radio.

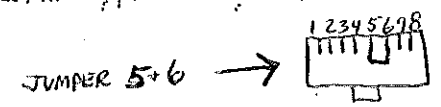
Attach radio to locking trunnion using the two M5.0 x 8 x 10 screws provided. These screws are slotted TORX drive. Recommended driver is T25.

Insert the locking trunnion into the mounting bracket by first sliding the large flanges into the slots at the



- NOTES:
- USE ALL SCREWS WHEN INSTALLING.
 - MOTOROLA PART NUMBERS SHOWN IN PARENTHESES.
 - ALLOW 3/4" CLEARANCE IN FRONT OF TRUNNION BRACKET TO PROVIDE ADEQUATE SPACE FOR LOCKING TRUNNION INSERTION.
 - IF OPTIONAL SECURITY SCREWS ARE USED, INSTALL IN PLACE OF MACHINE SCREWS.

(RJ-45 ON FRONT P.)



JUMPER 5+6

REAR VIEW

- XLR TO REMOVE
- 1 -> RELAY (-)
 - 2 -> RELAY (+)
 - 3 -> RADIO IN (-)
 - 4 -> RADIO IN (+)
 - 5 -> RADIO OUT (-)
 - 6 -> RADIO OUT (+)