

Corvette Personal Audio Link (PAL) for Vehicles Equipped with Factory Navigation Radio (U3U)

Special Note

Before beginning the installation process, please confirm the following:

1. The vehicle has a Factory Installed Navigation Radio RPO = U3U.
2. The radio has the latest software available.
3. If possible have an iPod available for testing.

NOTE: Remove Negative Battery Terminal before beginning installation.

Kit Contains:

- Personal Audio Link (PAL) Module
- PAL T-Harness
- Template for iPod Harness Access
- iPod Connector
- Owner's Manual
- Installation Sheet
- Adhesion Promoter
- Cable Tie (3)

Tools Required:

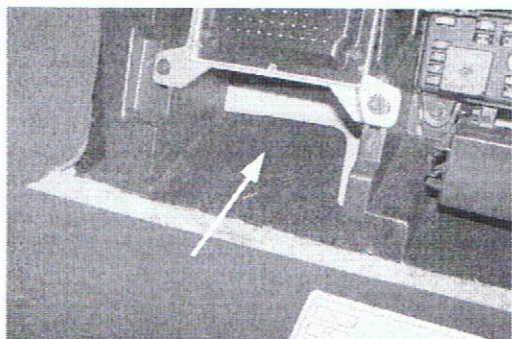
- Trim Removal Tool
- Drill with 13/16" Bit
- 7mm Nut Driver
- Wire removal tool

STEP 1 - Expose Front Floor Kick-Up Panel

Procedure

1. Pull inward on both sides of passenger toe board cover to access (I/P) fuse block.
2. Keep this area exposed for additional installation operations. Figure 1.

FIGURE 1

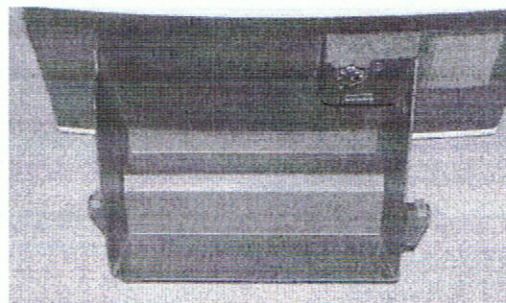


STEP 2 - Remove the Glove Box

Procedure

1. Detach the Tension Cable.
2. Apply inward force on both sides near tabs and pull down.
3. Carefully disengage (3) clamps from I/P rods. Remove outer tabs first, then remove inner flexible tab. Figure 2.

FIGURE 2

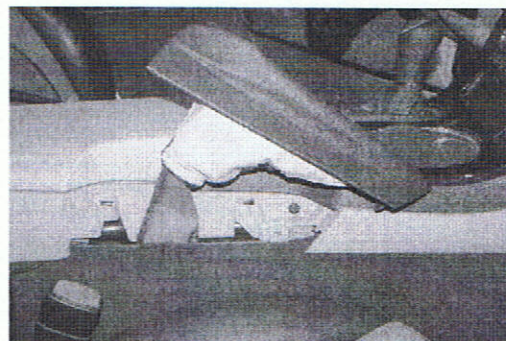


STEP 3 - Remove Parking Brake Boot

Procedure

1. Apply the parking brake.
2. Apply gentle upward force to front and rear of boot to release retention locks.
3. Slide boot up enough so it does not hinder removal of I/P trim. Figure 3.

FIGURE 3



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ALL INFORMATION WITHIN ABOVE BORDER TO BE PRINTED EXACTLY AS SHOWN ON 8.5x11 WHITE 16 POUND NON-BOND RECYCLABLE PAPER. PRINT ON BOTH SIDES EXCLUDING TEMPLATES. TO BE UNITIZED IN ACCORDANCE WITH GMSPO SPECIFICATIONS.

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STEP 4 - Remove Side Panel Accessory Trim Plate
Procedure

- Using a 7mm socket, remove the (2) fasteners located under the parking brake. Figure 4 and 5.

FIGURE 4

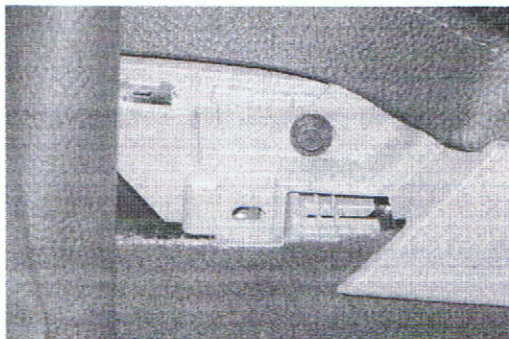
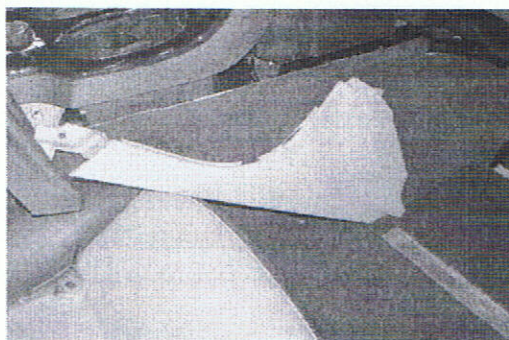


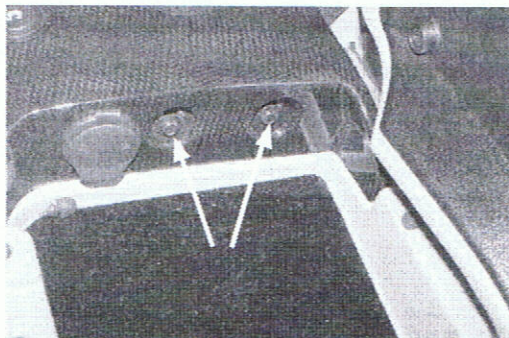
FIGURE 5



STEP 5 - Remove Center Trim Panel Accessory Trim Plate
Procedure

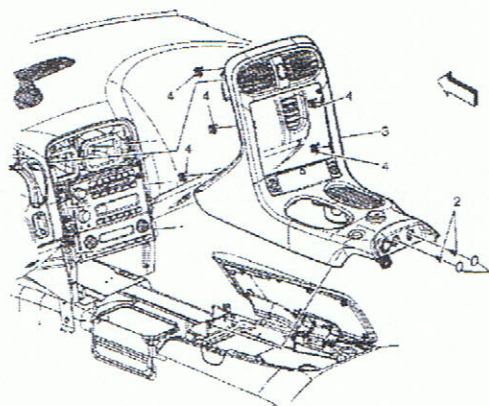
- Using a 7mm socket, remove the (2) fasteners located under Front Floor Console Compartment. Figure 6.

FIGURE 6



- Grasp the back edges of the trim and lift upward and rearward releasing the clips.
- Disengage enough to allow removal of the console trim electrical connectors.
- Adjust the shift lever position as necessary in order to remove the accessory trim plate from the vehicle.
- Remove the center console trim piece. Figure 7.

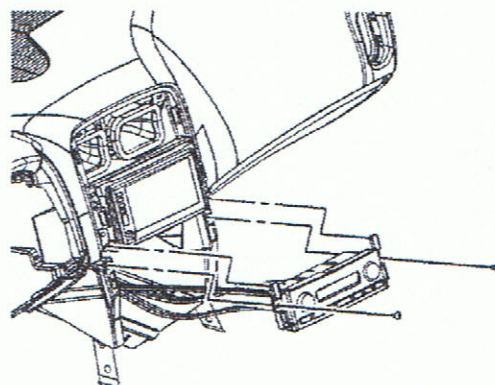
FIGURE 7



STEP 6 - Remove HVAC Control Module
Procedure

- Using a 7mm socket, remove the HVAC control module retaining screws.
- Disconnect the HVAC control module electrical connections.
- Remove the HVAC control module. Figure 8.

FIGURE 8



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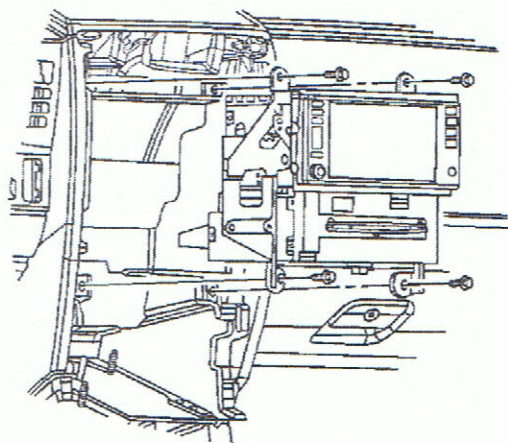
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STEP 7 - Remove the Navigation Radio

Procedure

1. Remove the screws retaining the radio to the I/P center support bracket.
2. Remove the radio control from the center support bracket enough to access the connectors at the rear of the radio head unit.
3. Disconnect the electrical/audio and coaxial cable connectors from the radio control.
4. Remove the Navigation Radio. Figure 9.

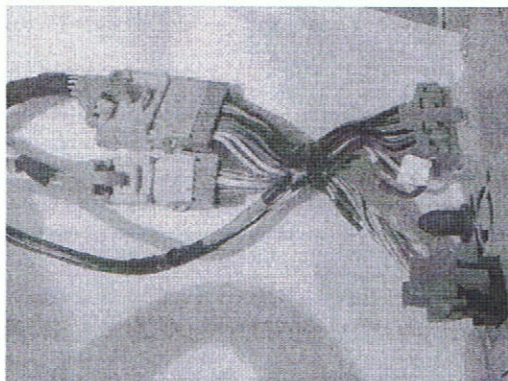
FIGURE 9



STEP 8 - Install and Route T-Harness into Navigation Radio I/P Harness

1. Install T-Harness between vehicle harness and radio as shown in Figure 10.
2. Reconnect XM, AM/FM and GPS antenna wires to the back of the radio.

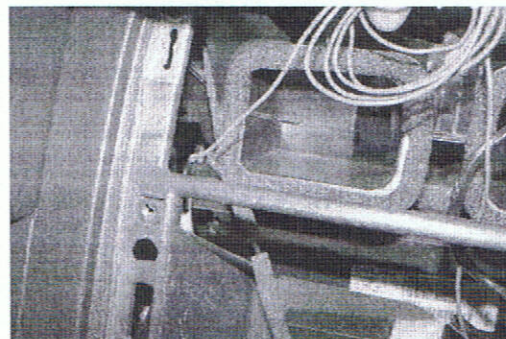
FIGURE 10



Procedure

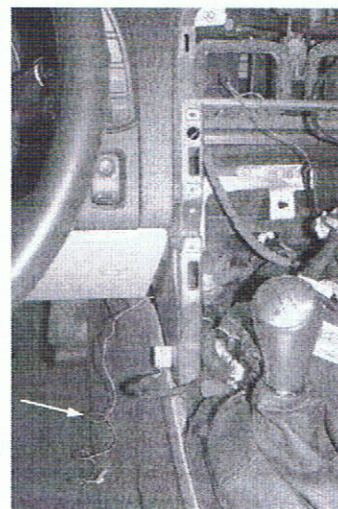
2. Unwrap the single class 2 wire and begin routing point at lower left side of the center console heating duct. Route wire down towards the floor of the vehicle. Figure 11.

FIGURE 11



3. Pull all excess wire down towards floor in preparation to route wire behind driver knee bolster. Figure 12.

FIGURE 12



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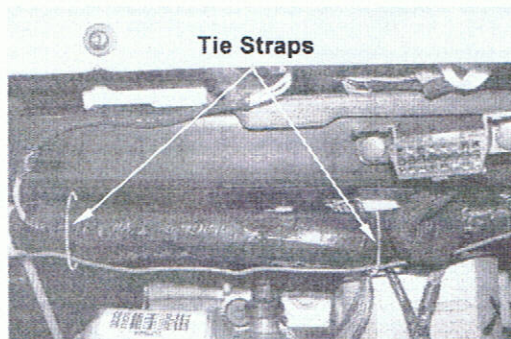
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Lower the I/P Lower Closeout Panel

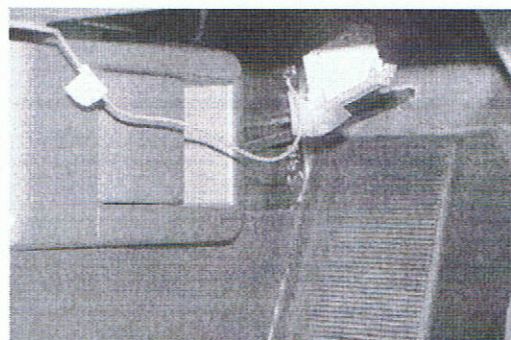
4. Locate the I/P harness behind the driver knee bolster panel and route single Class 2 wire along side the IP harness. Install tie straps as shown. Figure 13 and Figure 14.

FIGURE 13



Continue routing wire to driver side terminal-splice pack.

FIGURE 14



NOTE! PIN-K MUST BE COMPLETELY REMOVED. NO WIRES GO BACK INTO PIN-K CAVITY.

5. Remove Pin-K from the terminal-splice pack connector and cut the terminal off and expose the bare wire to prepare for the crimping operation. After Pin-K is removed, the splice pack comb and tape may be re-installed. Figure 15, Figure 16, Figure 17 and Figure 18.

FIGURE 15

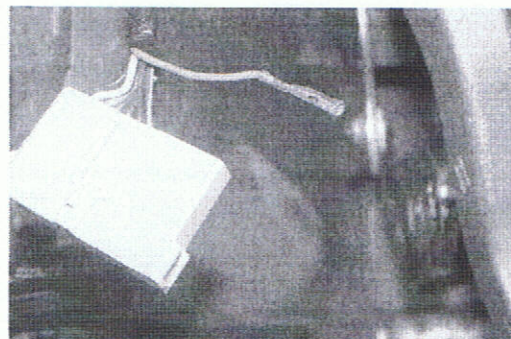
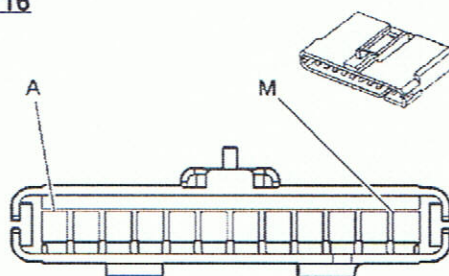


FIGURE 16

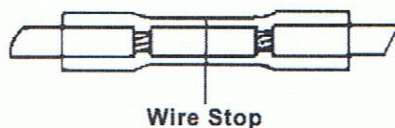


6. Take the single PAL harness wire that was pulled through the I/P and Crimp to the wire that was removed from Pin-K.

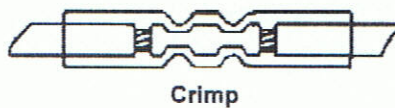
FIGURE 17

Sealed Splice Instructions:

- A. Position stripped ends of wire into sleeve until wire hits stops.



- B. Hand crimp each side of the sleeve separately using the approved crimping tool (GM part number 12085115). Gently tug on the wires to make sure they are securely crimped.



- C. Apply heat carefully to shrink the tubing. Use a heat gun or GM Ultra Torch (GM part number 12085116).



- D. Check for electrical continuity.

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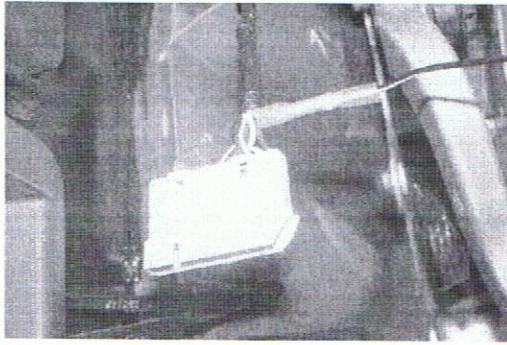
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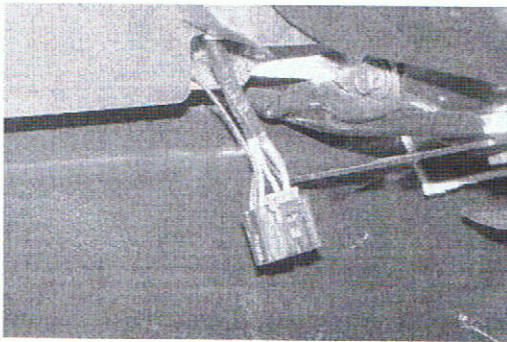
FIGURE 18



7. Take 16-Pin wire harness and feed through opening located near lower left corner of glove box. Figure 19.

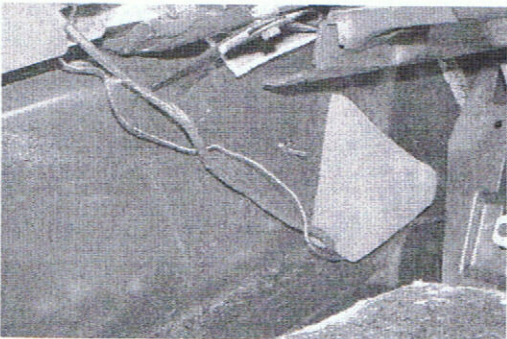
NOTE: USE CAUTION WHEN WIRE COULD CONTACT ANY SHARP EDGES.

FIGURE 19



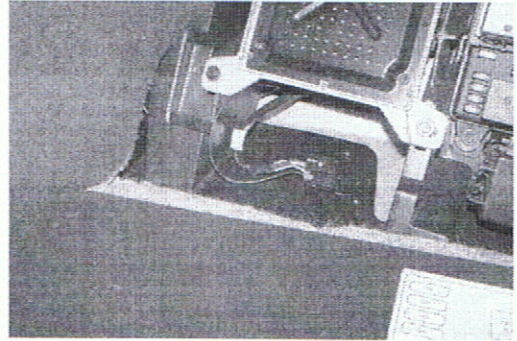
8. Route 16-Pin PAL harness wire down the side of center console and tuck under the foam block. Figure 20.

FIGURE 20



9. Continue routing behind plastic electrical panel and leave enough excess wire to attach module in a later step. Figure 21.

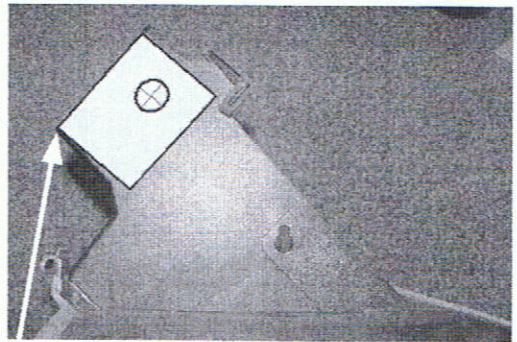
FIGURE 21



STEP 9 - Mount iPod Cable to Glove Box Procedure

1. Place template on lower left corner outside area of glove box and drill a hole using a 13/16 drill bit. Figure 22.

FIGURE 22



Line Up Here

2. Insert iPod connector from inside glove box. Figure 23.

FIGURE 23



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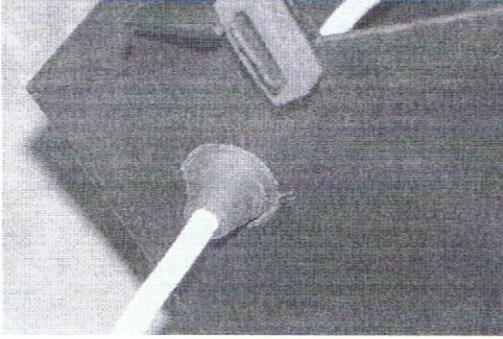
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3. Pull iPod connector through and seat grommet into hole. Figure 24.

FIGURE 24



4. Route iPod connector through rectangular opening inside glove box cavity on I/P. Figure 25 and Figure 26.

FIGURE 25

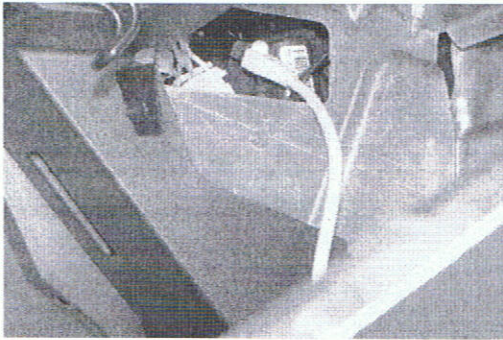
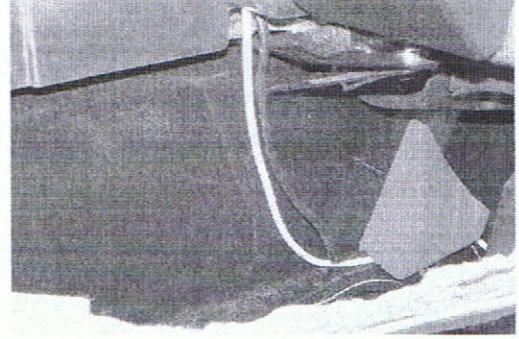


FIGURE 26



5. Route iPod connector through opening where lower corner of center console meets lower left side of glove box area and route iPod connector down the side of center console and tuck under the foam block. Figure 27.

FIGURE 27



6. Continue routing behind plastic panel and leave enough excess wire to attach module in a later step. Figure 28.

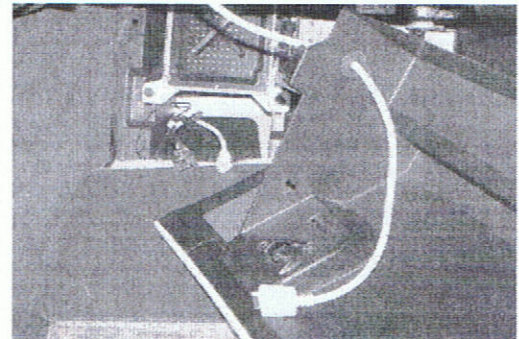
FIGURE 28



STEP 10 - Install Glove Box Procedure

1. Pull excess iPod connector through and leave enough slack to allow for opening and closing of glove box. Figure 29.

FIGURE 29



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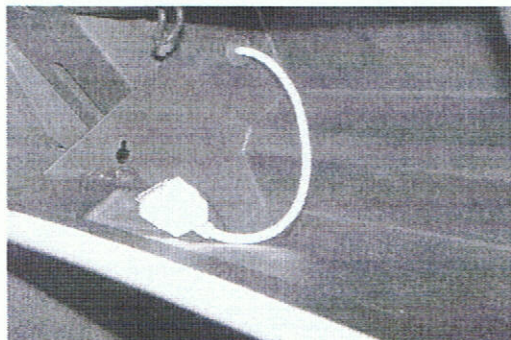
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2. Re-install glove box. Figure 30.

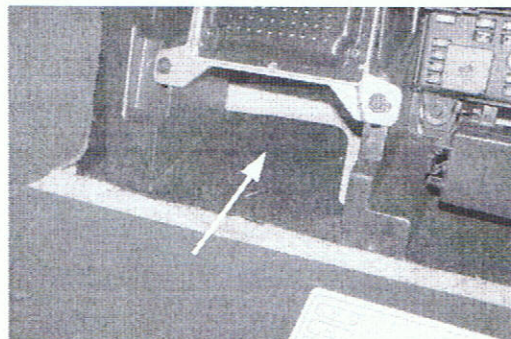
FIGURE 30



STEP 11 - Module Mounting Preparation

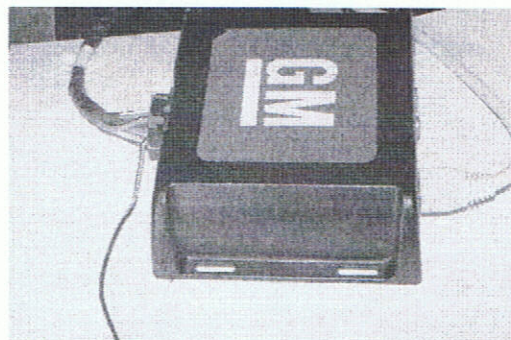
1. Clean mounting area with adhesion promoter. Figure 31.

FIGURE 31



2. Plug both connectors into PAL module. Figure 32.

FIGURE 32



3. Remove adhesive strip from bottom of PAL module and position module as shown with iPod cable facing forward in vehicle and the 16-pin connector facing the rear of vehicle. Make sure that module or harness does not protrude past plastic bracket so that the floor carpet will seat correctly. Figure 33.

FIGURE 33



STEP 12 - Re-install Vehicle Components

- Front Floor Kick-Up Panel
- HVAC Unit
- Navigation Radio
- Trim Plate
- Parking Brake Lever Boot
- Center Trim Panel
- Passenger Side Center Trim Carpet
- Close Out Panel
- Connect Negative Battery Terminal
- Accessory Trim Plate

STEP 13 - Final Quick Device Check

1. If no iPod is connected you will see "No iPod" when you press the XM2 band soft key.
2. If an iPod is available, then after connecting the iPod and having the ignition on, press the XM2 band soft key and then the iPod User Interface Screen should appear.

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