

Preparation

Part Number: PT545-00082

Kit Contents

Item #	Quantity Reqd.	Description
1	1	Unit Assembly Kit
2	1	Mounting Kit
3	1	Hardware Bags
4	1	Unit and Fit Kit List
5	1	Owner's Manual

Unit Assembly Kit Contents

Item #	Quantity Reqd.	Description
1	1	Interface Kit

Mounting Kit Contents

Item #	Quantity Reqd.	Description
1	1	iPod Cable
2	1	Grommet

Hardware Bag Contents

Item #	Quantity Reqd.	Description
1	1	Foam Sleeve
2	4	2x4 inch Adhesive Protective Foam
3	4	14 inch Lock Tie
4	2	6 inch Lock Tie

Conflicts

XM or Sirius Satellite Radio

Requirement

SAT Ready Head Unit

Recommended Tools

Personal & Vehicle Protection	Notes
Safety Goggles	
Seat Covers	
Special Tools	
Panel Clip Removal	
Sockets	10 mm, 8 mm
Screwdriver	Phillips, #2
Torque Wrench	4.1 N•m (36lbf in) (Battery cable)
Hole Saw	1 1/8 inch (29 mm)
De-burring Tool	
Installation Tools	Notes
Tape Measure/Ruler	Metric/Standard
Side Cutters	
Masking Tape	
Special Chemicals	Notes
Cleaner	Approved Cleaner or house hold glass cleaner

NOTE: Part number of this accessory may not be the same as the part number shown.

General Applicability

Note:-

Recommended Sequence of Application






Operation	Description
1	Security System
2	RES
3	EC Rearview Mirror
4	iPod Interface

*Mandatory

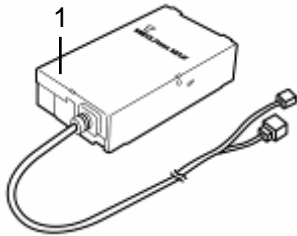
Vehicle Service Parts (may be required for reassembly)

Item #	Quantity Reqd.	Description
1		
2		
3		

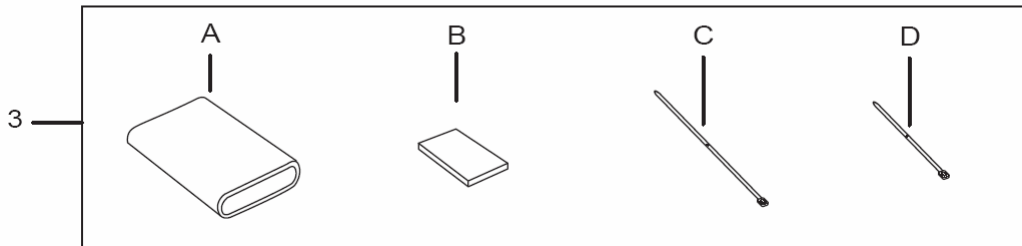
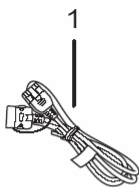
Legend

	STOP: Damage to the vehicle may occur. Do not proceed until process has been complied with.
	OPERATOR SAFETY: Use caution to avoid risk of injury.
	CAUTION: A process that must be carefully observed in order to reduce the risk of damage to the accessory/vehicle and to ensure a quality installation.
	TOOLS & EQUIPMENT: Used in Figures calls out the specific tools and equipment recommended for this process.
	REVISION MARK: This mark highlights a change in installation with respect to previous issue.

Parts Description of Interface Kit Assy



Item #	PartsName	PartsNo.	Qty
1	Interface Kit	PT545-00082	1



Parts Description of Mounting Kit (PT545-00082)

Item #	Parts Name	Qty
1	iPod Cable	1
2	Grommet	1
3	A Foam Sleeve	1
	B 2x4 inch Adhesive Protective Foam	4
	C 14 inch Lock Tie	4
	D 6 inch Lock Tie	2

Procedure

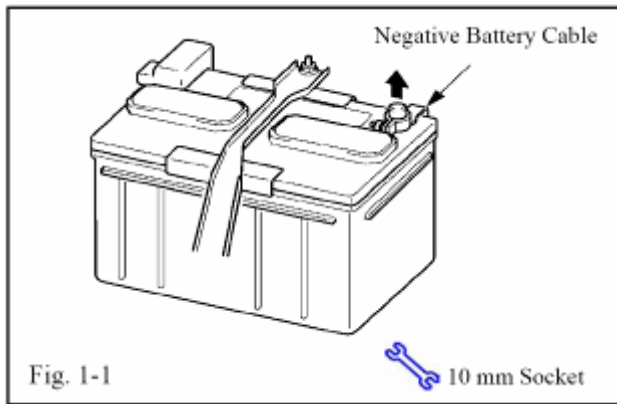
Care must be taken when installing this accessory to ensure damage does not occur to the vehicle. The installation of this accessory should follow approved guidelines to ensure a quality installation.

These guidelines can be found in the "Accessory Installation Practices" document.

This document covers such items as:

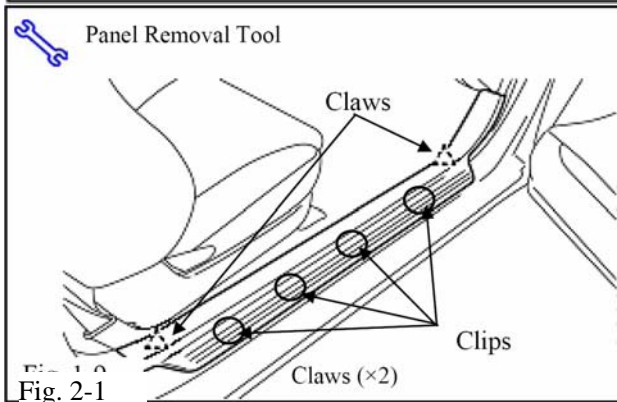
- Vehicle Protection (use of covers and blankets, cleaning chemicals, etc.).
- Safety (eye protection, rechecking torque procedure, etc.).
- Vehicle Disassembly/Reassembly (panel removal, part storage, etc.).
- Electrical Component Disassembly/Reassembly (battery disconnection, connector removal, etc.).

Please see your Toyota dealer for a copy of this document.



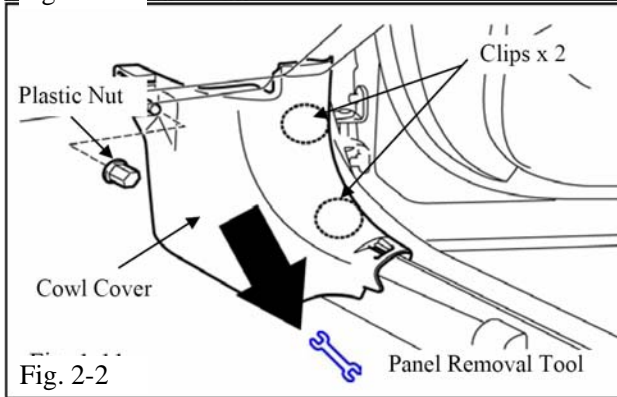
1. Remove the Negative (-) Battery Cable

- (a) Set parking brake.
 - (b) Remove the negative battery cable. (Fig. 1-1)
- STOP**
- (1) Protect the fender before starting.
 - (2) Do not touch the positive terminal with any tool when removing cable.
- +**

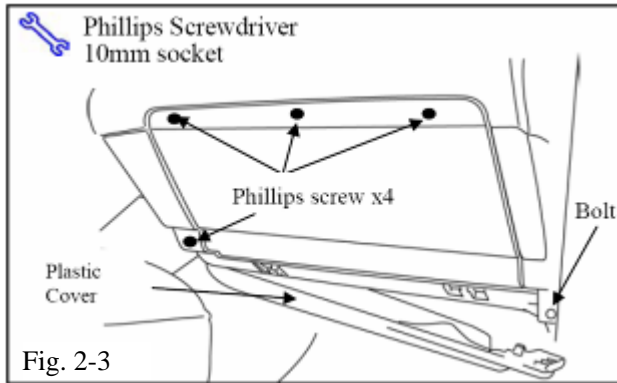


2. Vehicle Disassembly

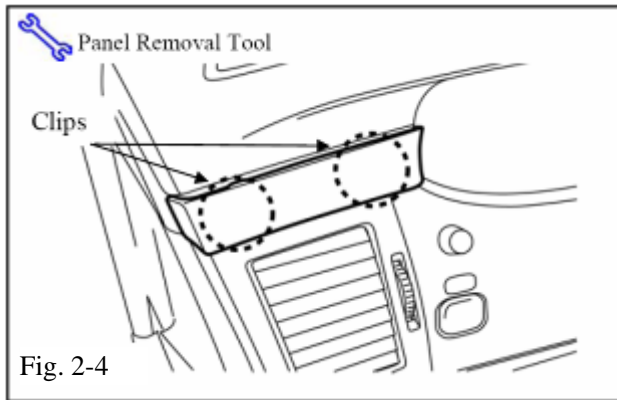
- (a) Remove the front passenger side doorsill (Fig. 2-1)




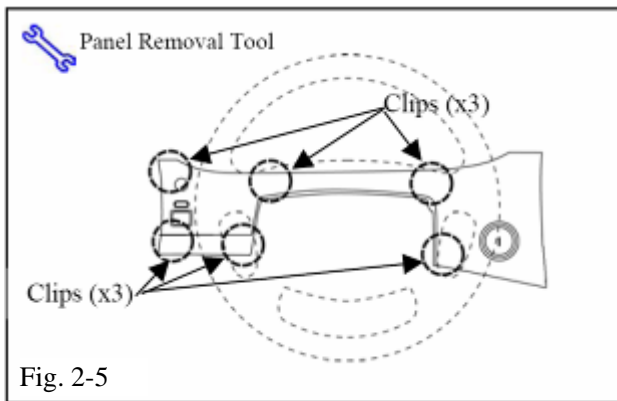
- (b) Remove cowl cover. (Fig. 2-2)
- (1) Remove the plastic nut.
- (2) Pull on the cover in the direction shown to remove.



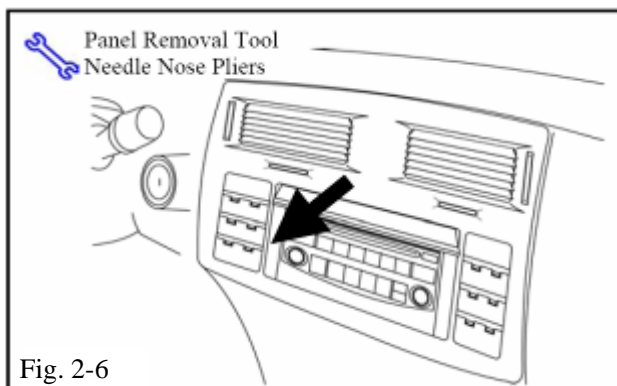
- (c) Remove the glove box (Fig. 2-3)
 - (1) Remove the plastic cover.
 - (2) Open the glove box.
 - (3) Remove the 4 screws and 1 bolt.
 - (4) Pull the glove box straight out to remove.




-  (d) Remove the dash and head unit.
 - (1) Remove the trim piece to the left of the steering wheel. (Fig 2-4)



- (2) Remove the trim piece around the steering wheel. (Fig 2-5)
- (3) Disconnect the connectors to the steering wheel trim piece.



-  (4) Remove the head unit trim piece (Fig. 2-6)
- (5) Disconnect any connectors.

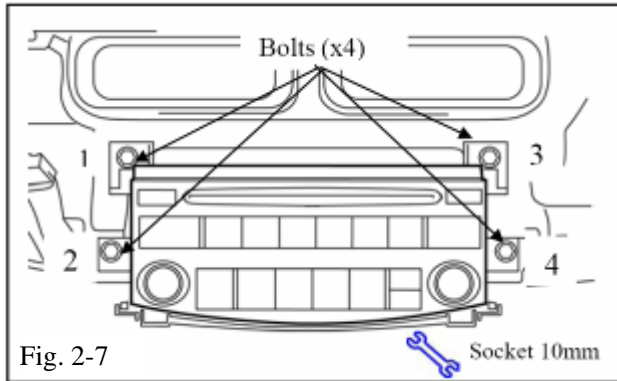


Fig. 2-7

(6) Remove the head unit. (Fig. 2-7)

(7) Disconnect the head unit connectors.



NOTE: During re-installation, bolts 1 and 2 should be secured first.

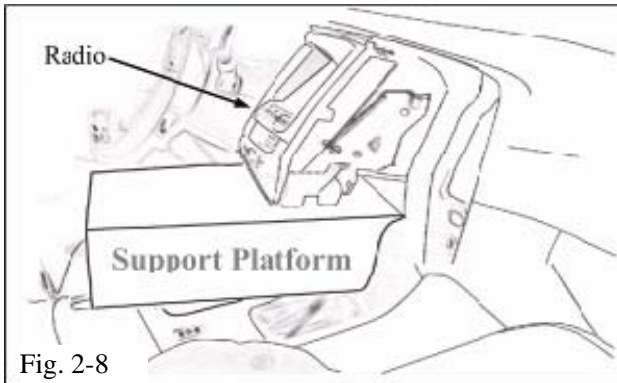


Fig. 2-8

(e) Gently pull out the radio/HAVC cluster in order to access the plug-in location and rest on a support platform to prevent scratching of dash panels. (Fig. 2-8)

NOTE: Be careful not to put too much tension on the radio wire harness when pulling out the radio.

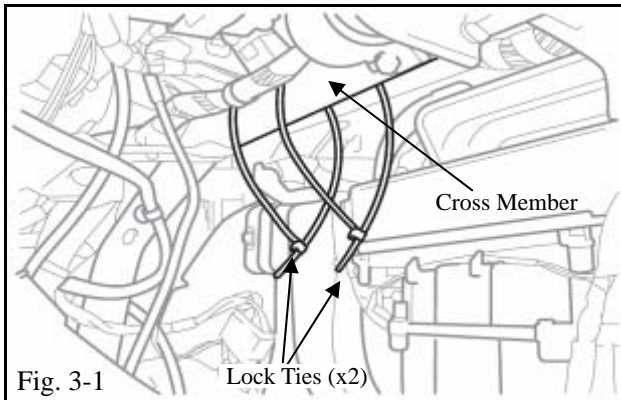


Fig. 3-1

3. Install and Route the Interface Unit.

(a) Locate the pipe shaped cross member.

(b) Place two (2) 14" lock ties around the cross member as shown. (Fig. 3-1)

NOTE: Do not tighten the lock ties.

Procedure

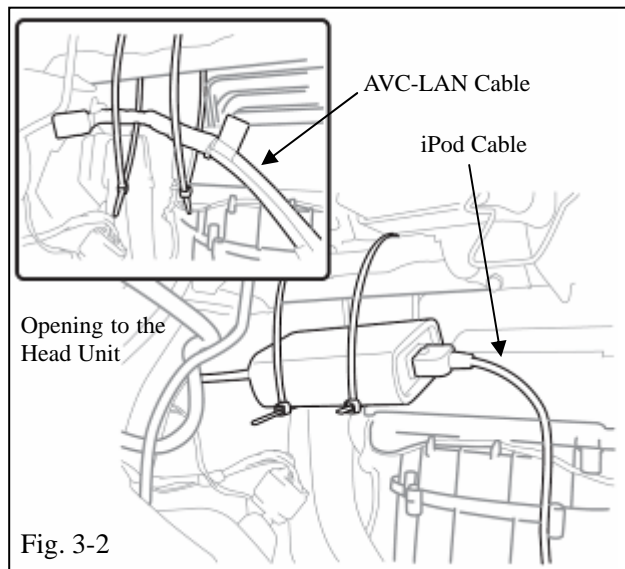


Fig. 3-2

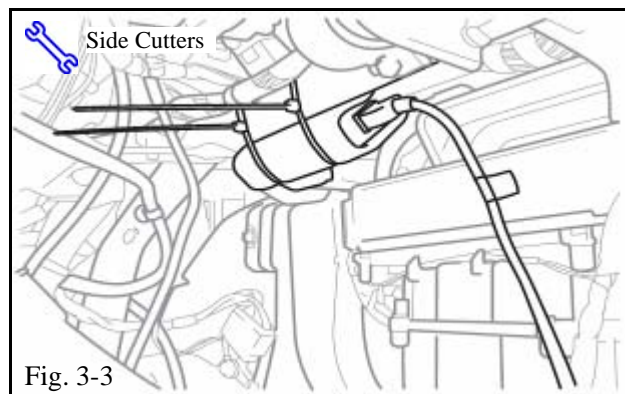


Fig. 3-3

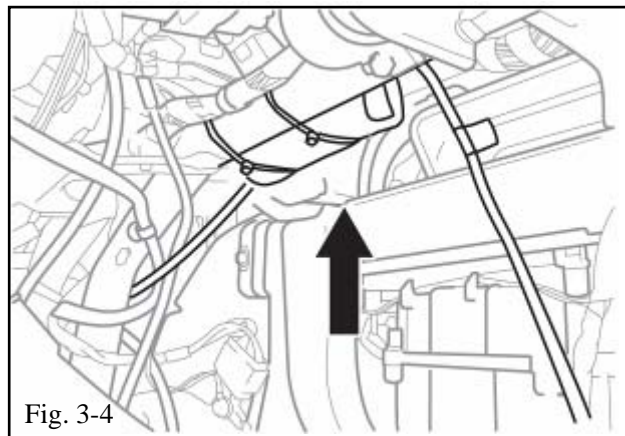


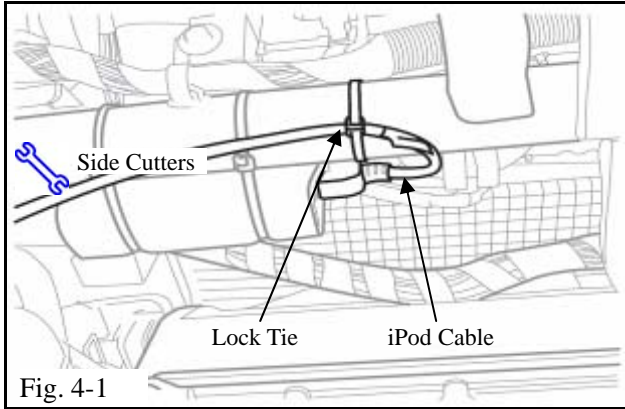
Fig. 3-4

- (c) Install the foam sleeve over the iPod chassis.
- (d) Route the AVC-LAN cable through the 14" lock ties and the opening to the head unit. (Fig. 3-2)
- (e) Slide the interface unit through the 14" lock ties. (Fig. 3-2)

- (f) Push up on the near side of the interface unit to slide it into place behind the vehicle cross member pipe. (Fig. 3-3)

- (g) The interface unit should fit securely in place forward of the vehicle cross member pipe, parallel to the floor of the vehicle. (Fig. 3-4)

NOTE: Trim excess from all lock ties after tightening. Ensure the lock ties are not interfering with any panels, harnesses or brackets.

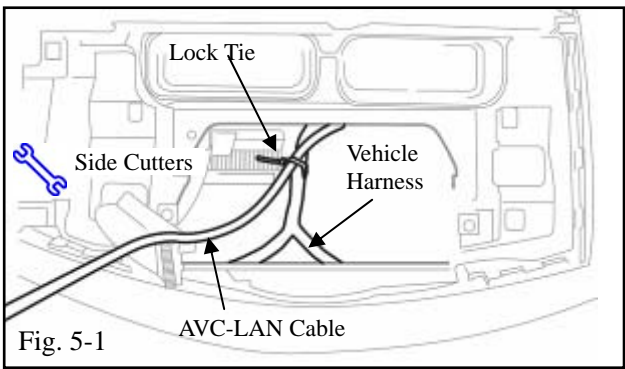


4. Install and Route the iPod Cable.

- (a) Connect the iPod cable to the interface unit. (Fig. 4-1)
- (b) Route the iPod cable along the interface unit, under the cross member, toward the audio unit.
- (c) Secure the iPod cable to the interface unit with a 14" lock tie as shown.
 - (1) Make sure the cable is not bent too tightly or kinked.

NOTE: Trim excess from all lock ties after tightening. Ensure the lock ties are not interfering with any panels, harnesses or brackets.

- (d) Provide sufficient cable length for routing through the glove box.

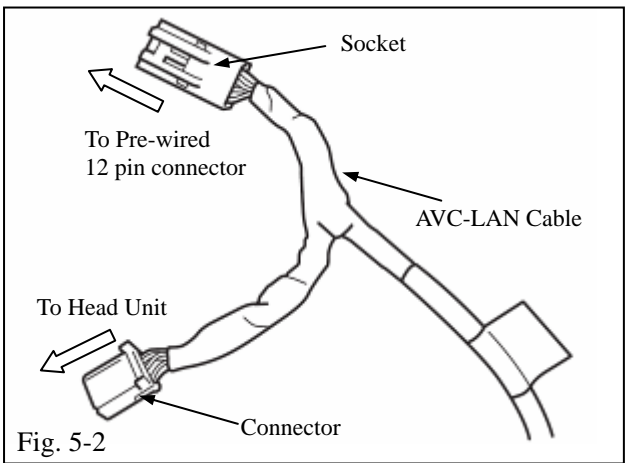


5. Connect the AVC-LAN Cable to the Head Unit.



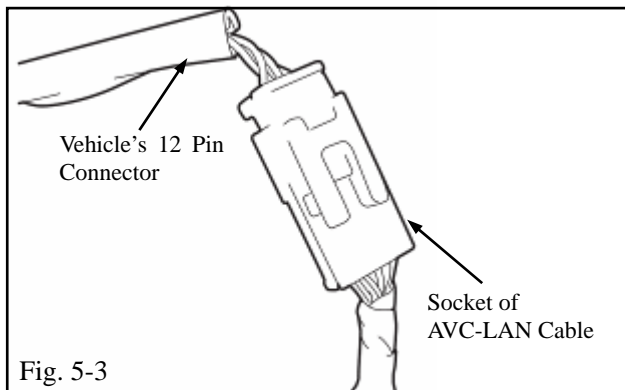
- (a) Secure the AVC-LAN cable to the vehicle harness behind the head unit using a 6" lock tie. (Fig. 5-1)

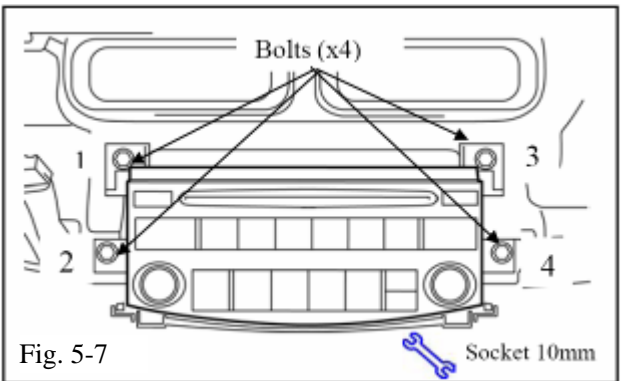
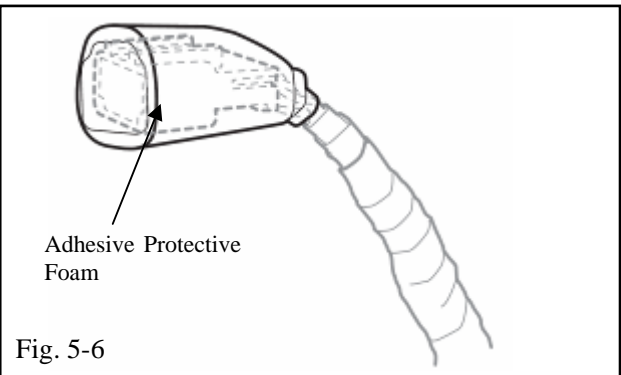
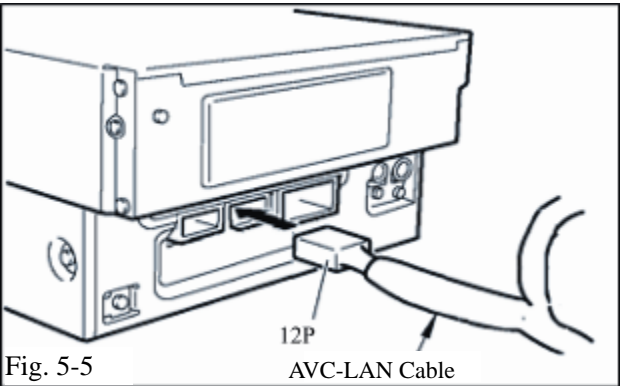
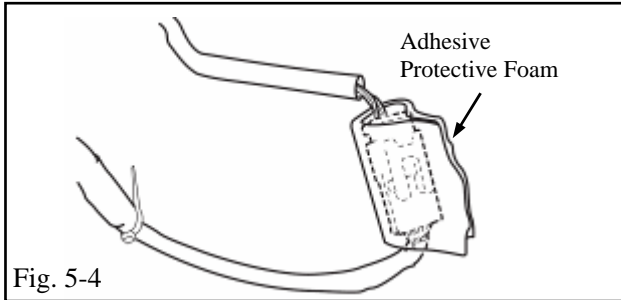
NOTE: If the 12 pin connector is already pre-wired to the head unit, proceed to step (b). If the 12 pin connector is not pre-wired to the head unit, proceed to step (c).



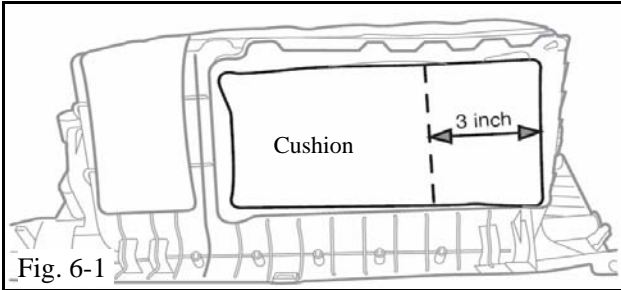
- (b) The 12 pin connector is already pre-wired to the head unit.

- (1) Remove the pre-wired 12 pin connector from the head unit.
- (2) Plug the pre-wired 12 pin connector into the socket of the AVC-LAN cable. (Fig. 5-2 & 5-3)



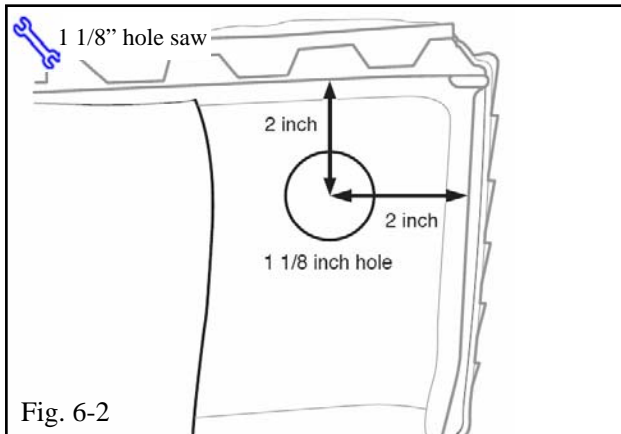


- (3) Wrap the connectors with adhesive protective foam to secure. (Fig. 5-4)
 - (4) Plug the connector of the AVC-LAN cable into the head unit. (Fig. 5-2 & 5-5)
 - (5) Reconnect the factory harness and antenna.
- (c) The 12 pin connector is not pre-wired to the head unit.
- (1) Plug the connector of the AVC-LAN cable into the head unit. (Fig. 5-5)
 - (2) Wrap the unused socket of the AVC-LAN cable in adhesive protective foam. (Fig. 5-6)
 - (3) Secure unused socket to factory harness with a 6" lock tie.
 - (4) Reconnect the factory harness and antenna.
- STOP** (d) Insert the head unit into opening and re-install the four bolts. Be sure to install the bolts on the left side (1 & 2) before installing the bolts on the right. (Fig. 5-7)



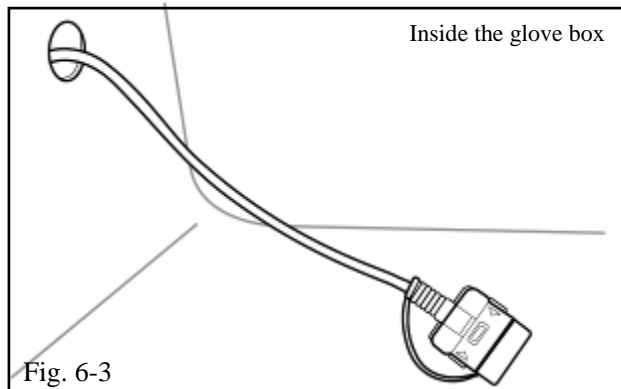
6. Route the iPod Cable Terminal.

(a) On the back side of the glove box, cut and dispose of the cushion 3 inches from right side (Fig. 6-1).

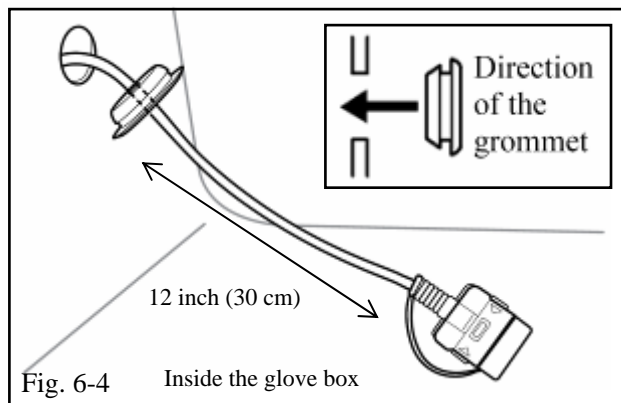


(b) Make a round hole through which the cable can pass at the location on the glove box shown in the illustration. (Fig. 6-2)

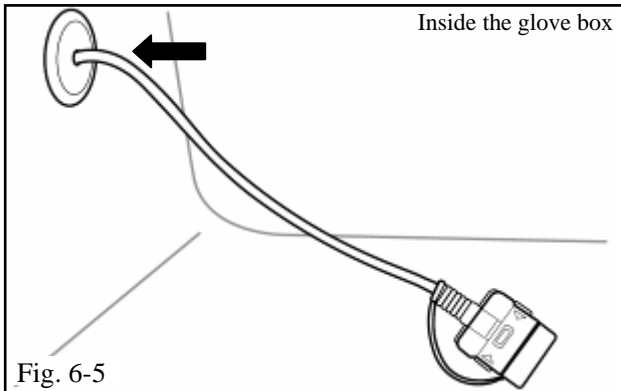
- (1) Hole saw is 1 1/8" (29 mm).
- (2) De-bur drilled hole.
- (3) Clean shavings from glove box after drilling.



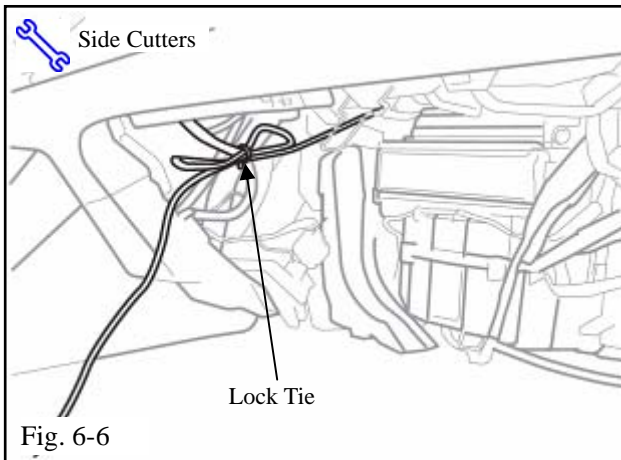
(c) Route the iPod cable terminal into the hole from outside of the glove box. (Fig. 6-3)



(d) Install the grommet to the hole from inside of the glove box. (Fig. 6-4)



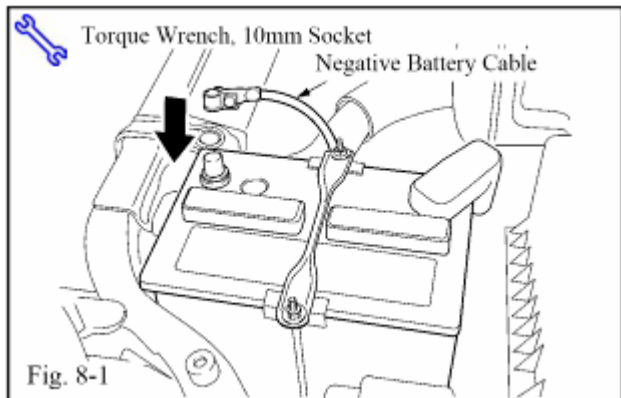
- (e) Secure the grommet to the hole from the inside of the glove box. (Fig. 6-5)




- (f) Using a 6" lock tie, secure the cable bundle to the existing vehicle cables. (Fig. 6-6)

7. Retighten the Radio/Player Head Unit.

- (a) Re-install the four (4) bolts.



8. Final assembly of the vehicle:

- (a) Reinstall glove box assembly.
- (b) Reinstall dash components & trim pieces.
 - (1) Reconnect any disconnected connectors.
-  (c) Reconnect the vehicle's negative battery cable. (Fig. 8-1)

- (1) Reconnect the negative terminal back to its original position.
- (2) Tighten the nut with 4.1 N•m (36 lbf-in) of torque.



- (3) Be careful not to touch the positive battery terminal.

- (d) Clean up and remove any trash.



- (e) Place the owner's manual in the glove box.

TOYOTA AVALON 2008 – INTERFACE KIT FOR IPOD

Checklist - these points **MUST** be checked to ensure a quality installation.

<u>Check:</u>	<u>Look For:</u>
<p><u>Accessory Function Checks</u></p> <p><input type="checkbox"/> Interface Kit.</p> <p><input type="checkbox"/> Receiver/player Assembly.</p>	<p>*Verify the proper connection of the Interface kit by using the checker.</p> <p>*Verify the proper operation of the Receiver/player Assembly.</p> <p>*Verify both AM & FM have good reception.</p> <p>*(Refer to the receiver assembly and radio owner's manuals.)</p>
<p><u>Vehicle Function Checks</u></p> <p><input type="checkbox"/> Hazard Switch.</p> <p><input type="checkbox"/> HVAC.</p> <p><input type="checkbox"/> Multi-information displays. (Clock, Temp., and MPG meter)</p> <p><input type="checkbox"/> Operation of the 12V outlet switch.</p> <p><input type="checkbox"/> Aux Input Jack.</p> <p><input type="checkbox"/> NAV Antenna Functioning.</p>	<p>Proper operation of the hazard switch.</p> <p>Proper operation of the air conditioning system.</p> <p>Verify the proper operation of the multi-information displays.</p> <p>Verify the proper operation of the 12V outlet switch.</p> <p>Verify the Auxiliary Input Jack is working properly.</p> <p>Confirm navigation operation by AVN diagnostics.</p>