

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






Item #	Accessory
1	Security System
2	RES
3	EC Rearview Mirror
4	iPod Interface

*Mandatory

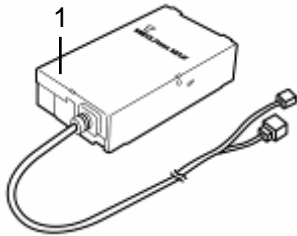
Vehicle Service Parts (may be required for reassembly)

Item #	Quantity Reqd.	Description
1		
2		
3		

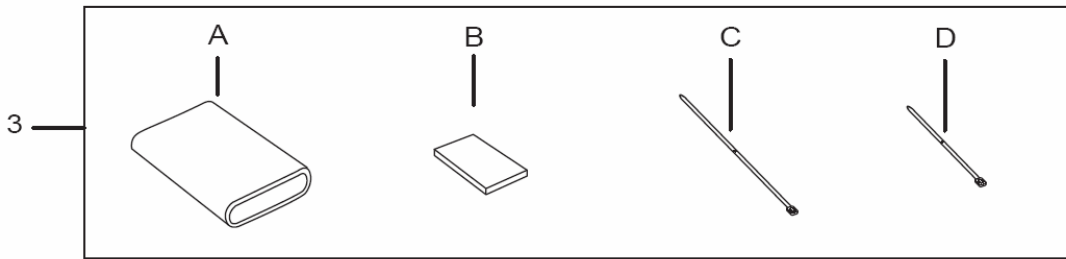
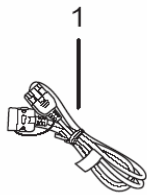
Legend

	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

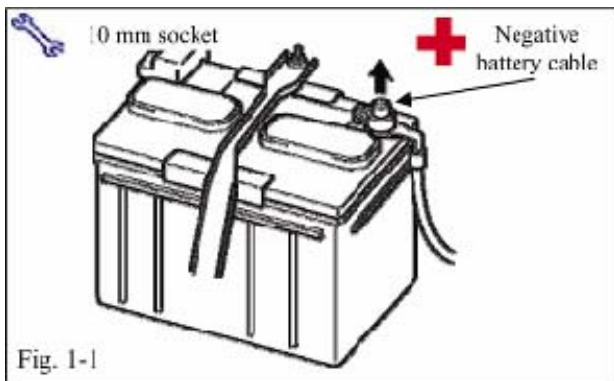
Care must be taken when installing this accessory to ensure that damage does not occur to the vehicle. The installation of this accessory should follow approved guidelines to ensure a quality installation.

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

The Accessory Installation Practices 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.).

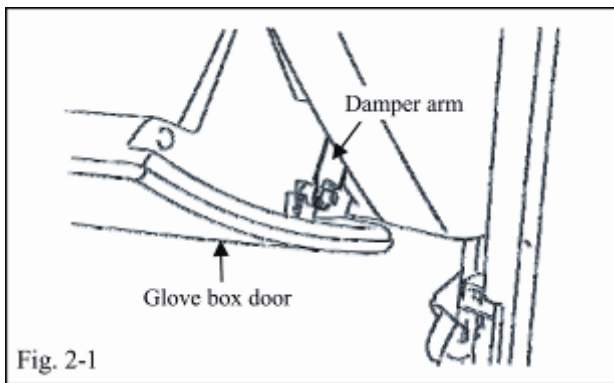
Please see your Toyota dealer for a copy of the Accessory Installation Practices document.



1. Remove the Negative (-) Battery Cable (Fig. 1-1)

- STOP** (a) Protect fender before starting.
- STOP** (b) Place removed vehicle components on protective blanket.
- (c) Remove the negative (-) battery cable.

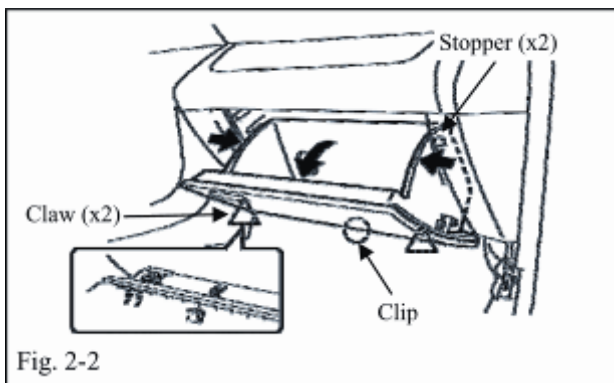
+ CAUTION: Do not touch the positive terminal with any tool during removal.



2. Vehicle Disassembly

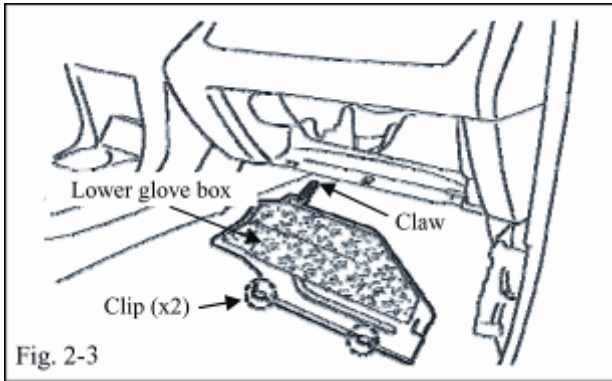
(a) Remove glove box door as follows:

- (1) Remove damper arm from glove box door. (Fig. 2-1)



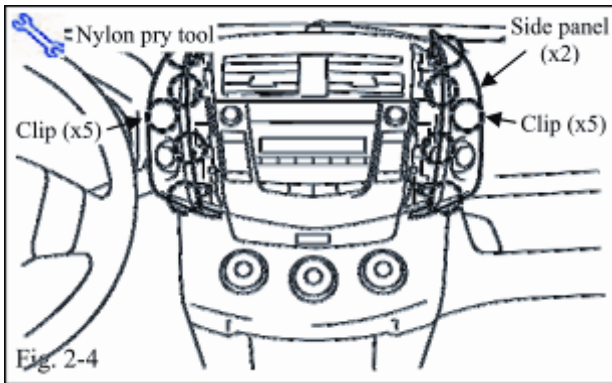
- (2) Release glove compartment stoppers by pressing both glove box side panels inward. (Fig. 2-2)

- (3) Swing glove box toward you; then remove glove box from two (2) claws and the clip as shown. (Fig. 2-2)



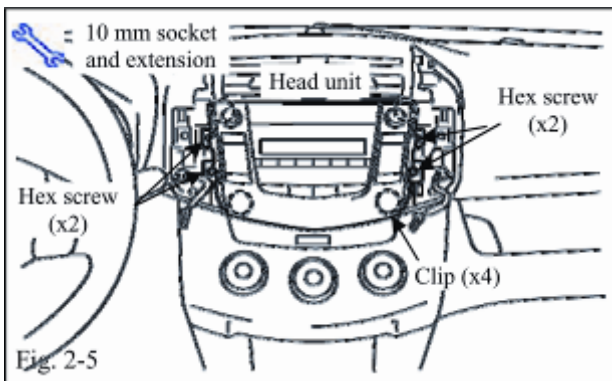
(b) Remove lower glove box trim. (Fig. 2-3)

- (1) Disengage the claw and two (2) clips to remove lower glove box trim.



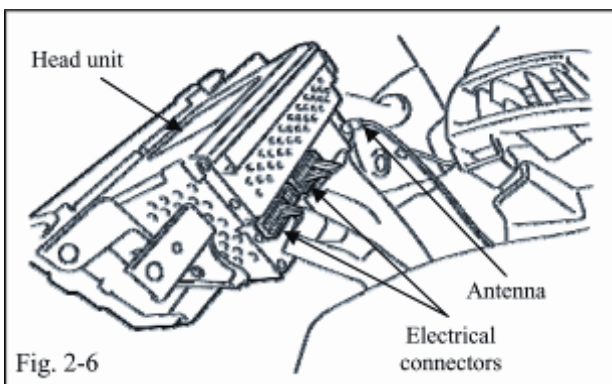
(c) Remove the side trim panels


- (1) Apply masking tape to left and right side of dash at trim and radio receiver opening.
- (2) Using a nylon pry tool, disengage five (5) clips on each side and remove the side trim panels. (Fig. 2-4)
- (3) Disconnect electrical connectors from each side trim panel.

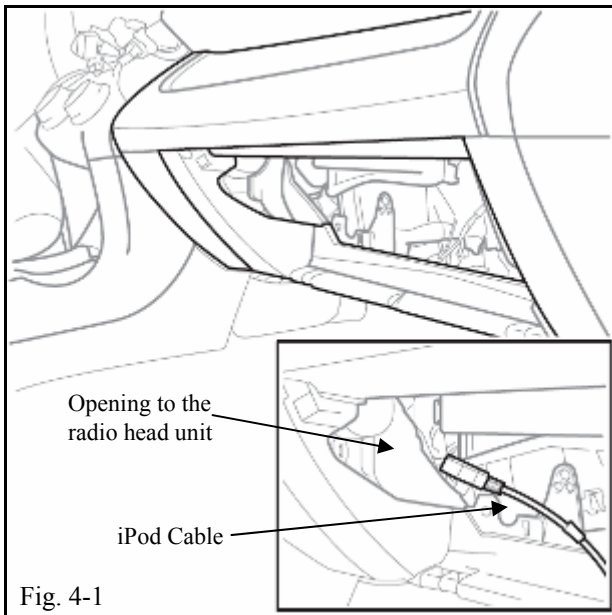
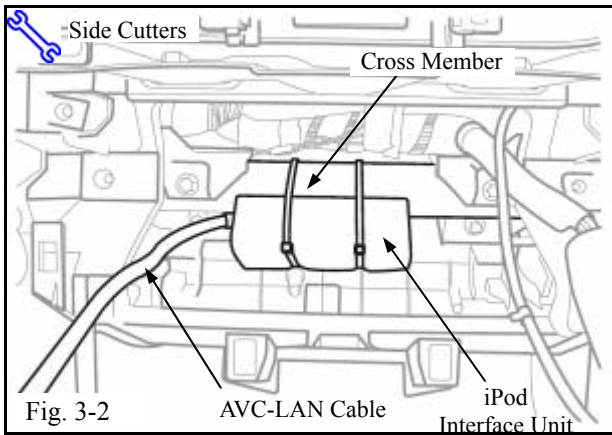
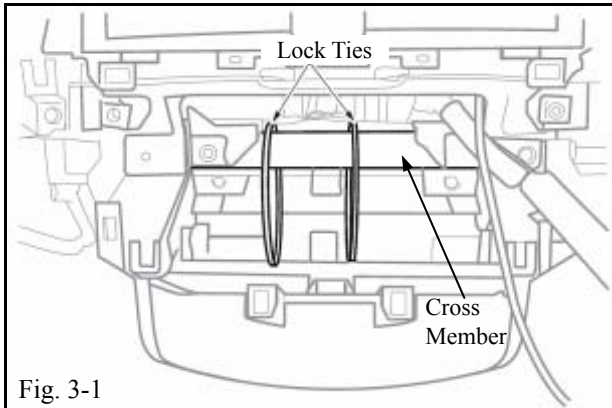


(d) Remove the head unit

- (1) Remove four (4) head unit hex screws, disengage four (4) clips; then pull the head unit toward you to remove. (Fig. 2-5)



-  (2) Remove the electrical connectors and antenna from rear of head unit. (Fig. 2-6)



3. Install the Interface Unit

- (a) Slide the interface unit into the foam sleeve.
- (b) Place two (2) 14” lock ties around the cross member as shown. (Fig. 3-1)
 - (1) Lock ties must go over the cross member.

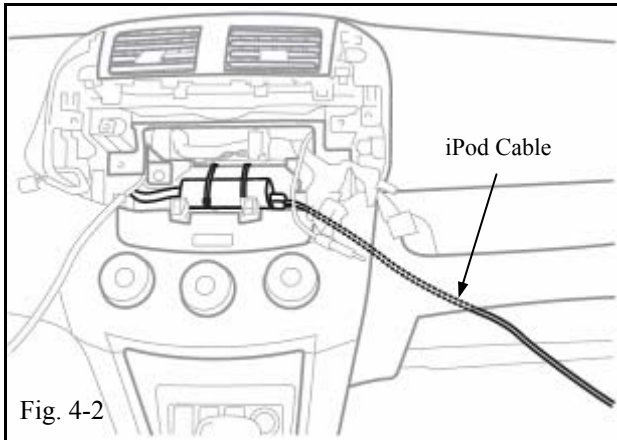
NOTE: Do not go over the vehicle cables.

Do not tighten the lock ties.

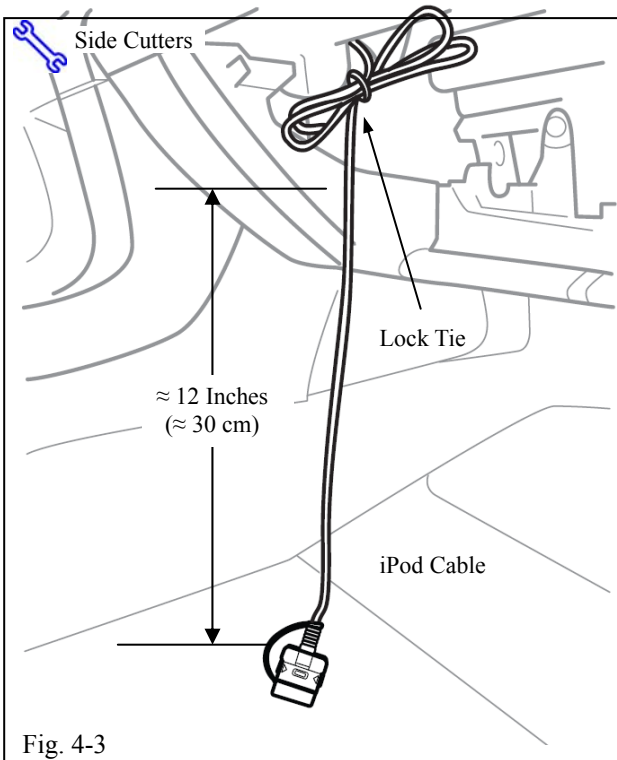
- (c) Route the AVC-LAN cable through the lock ties. (Fig. 3-2)
- (d) Install the foam sleeve over the iPod chassis.
- (e) Slide the interface unit through the lock ties. (Fig. 3-2)

4. Install and Route the iPod Cable.

- (a) Route the iPod cable through from the glove box to the opening for the head unit. (Fig. 4-1)



- (b) Connect the iPod cable to the interface unit. (Fig. 4-2)

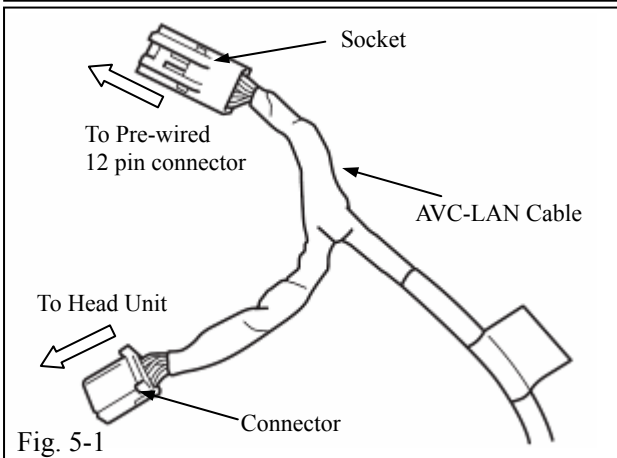


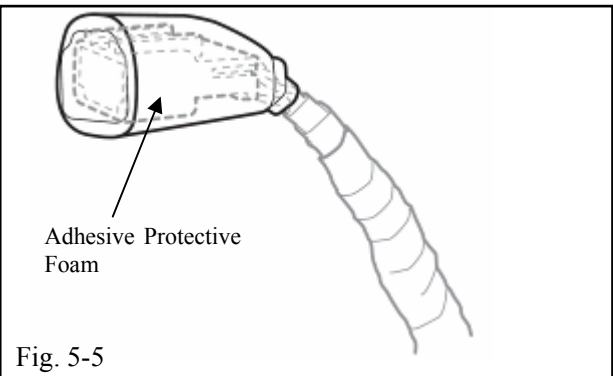
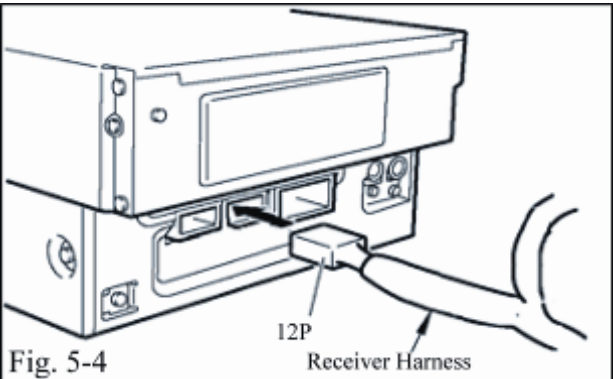
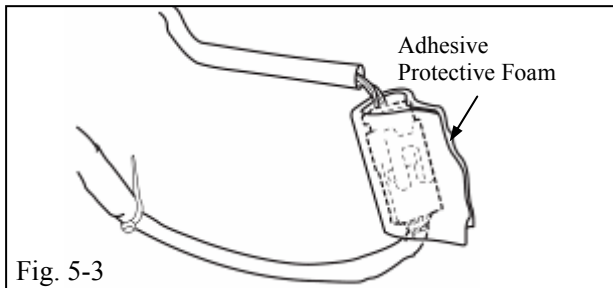
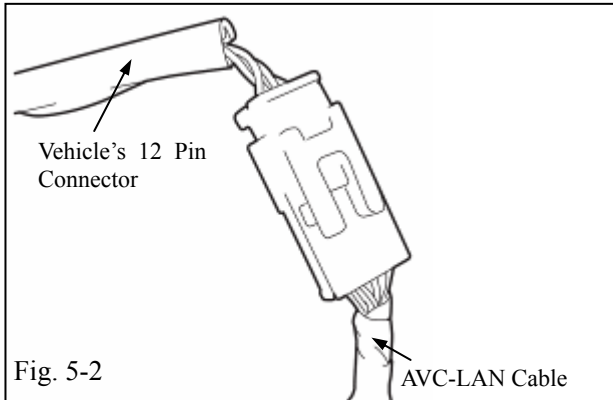
- (c) Bundle the excess the iPod cable. (Fig. 4-3)
 - (1) Provide sufficient iPod cable length of about 12 inches for routing through the glove box.
- (d) Using one (1) 6" lock tie, secure the cable bundle to the existing vehicle cables or bracket.

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

- (a) Bundle the excess AVC-LAN cable with cushion tape and one (1) 6" lock tie.

NOTE: Cut off all excess on lock tie after tightening.





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. 5-3)

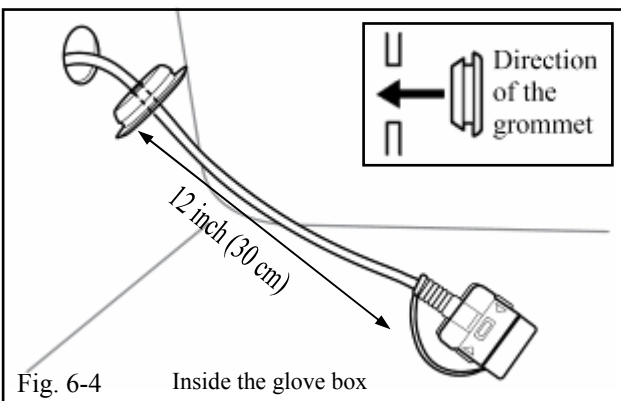
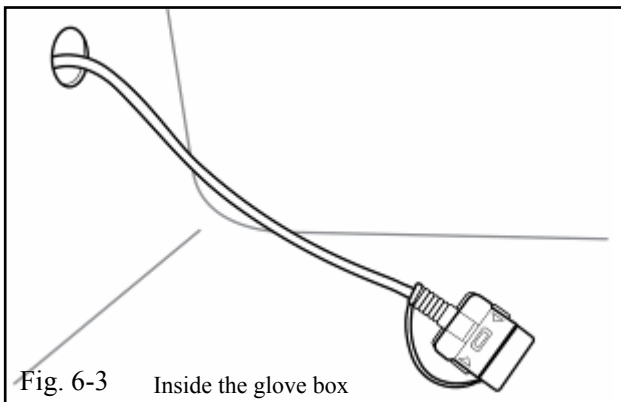
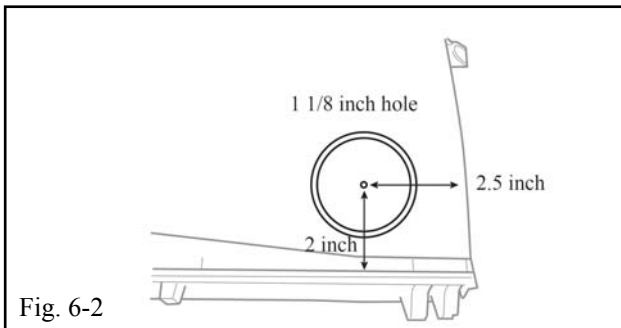
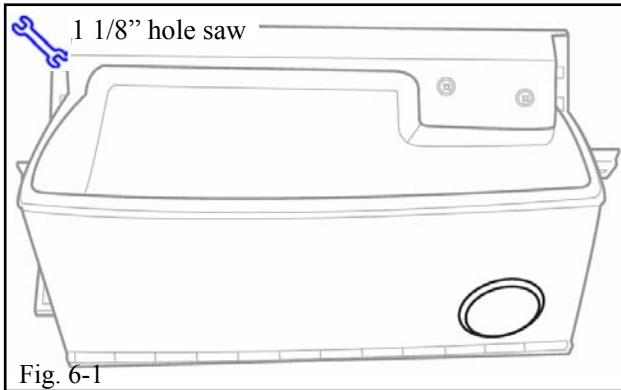
(4) Plug the connector of the AVC-LAN cable into the head unit. (Fig. 5-1 & 5-4)

(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. 5-4)

(2) Wrap the unused socket of the AVC-LAN cable in adhesive protective foam. (Fig. 5-5)

(d) Reconnect the factory harness and antenna.



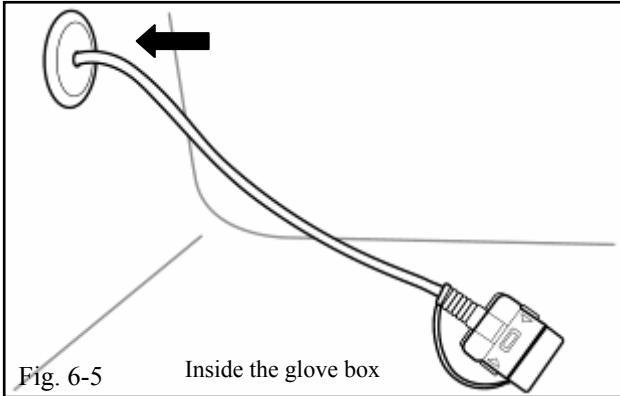
6. Route the iPod Cable Terminal.

- (a) Make a round hole through which the cable can pass at the location on the glove box shown in the illustration. (Fig. 6-1 & 6-2)

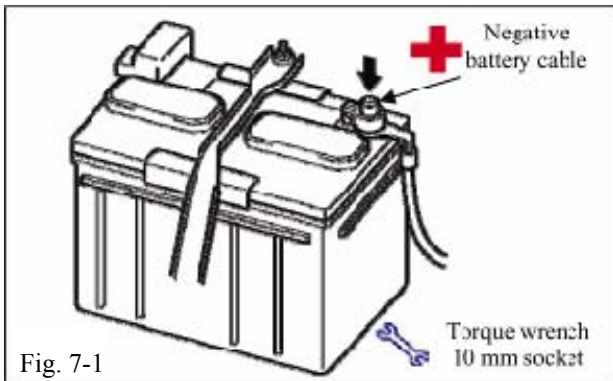
- (1) Hole saw is 1 1/8" (29 mm).
- (2) De-bur drilled hole.
- (3) Clean shavings from glove box after drilling.

- (b) Route the iPod cable through the hole from outside of the glove box. (Fig. 6-3)


- (c) Apply the grommet to the iPod cable. The distance from the grommet to iPod cable terminal should be approx. 12 inch. (Fig. 6-4)




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



7. Vehicle Reassembly.

- (a) Reconnect any disconnected connectors.
-  (b) Verify that panels fit together properly with no uneven gaps between them.
- (c) Reinstall negative battery cable. (Fig 7-1)
Specified tightening torque:
4.1 N·m (36 lbf-in)

 **CAUTION:** Do not touch the positive terminal with any tool.

- (d) Place the owner's manual in the glove box.
- (e) Clean up and remove any trash.
- (f) Proceed to functional verification.

TOYOTA RAV4 2008 – INTERFACE KIT FOR IPOD

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

<u>Check:</u>	<u>Look For:</u>
<p>Accessory Function Checks</p> <p><input type="checkbox"/> Interface Kit.</p> <p><input type="checkbox"/> Receiver/player Assembly.</p>	<p>*Verify the proper connection of 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>Vehicle Function Checks</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><input type="checkbox"/> Auto LSD / Center Diff. Lock</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> <p>Verify the proper operation of the Auto LSD / Center Diff. Lock.</p>