

Part Number: PT545-00082**Kit Contents**

Item #	Quantity Req'd.	Description
1	1	Unit Assembly Kit
2	1	Mounting Kit
3	1	Hardware BagsSpecial Tools
4	1	Unit and Fit Kit List
5	1	Owner's Manual

Unit Assembly Kit Contents

Item #	Quantity Req'd.	Description
1	1	Interface Kit

Mounting Kit Contents

Item #	Quantity Req'd.	Description
1	1	iPod Cable
2	1	Grommet

Hardware Bag Contents

Item #	Quantity Req'd.	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	
iPod Checker	
Panel Clip Remover	
Sockets	10 mm, 8 mm
Screwdriver	Phillips, #2
Torque Wrench	4.1 N•m (36 lbf 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	3M™ Prep Sol-70

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 Req'd.	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.

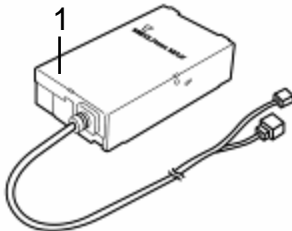


TOOLS & EQUIPMENT: Used in Figures calls out the specific tools and equipment recommended for this process.

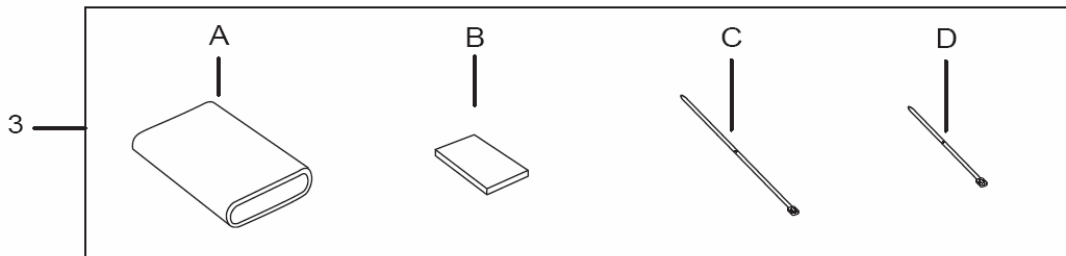
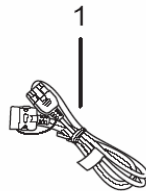


REVISION MARK: This mark highlights a change in installation with respect to previous issue.

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 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.

NOTES

Removed Parts: -

Place all removed parts on a protected surface.



Connectors: -

When disconnecting electrical connectors, do not pull on the wires; pull on the connectors.



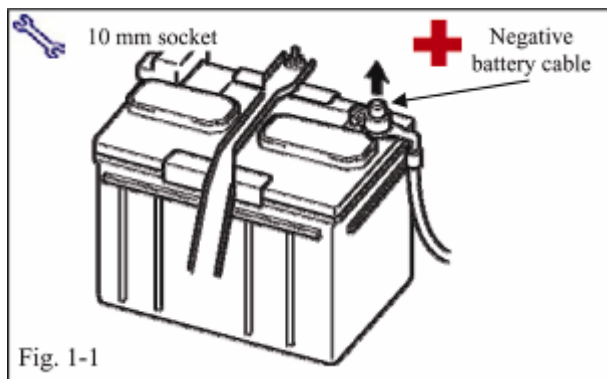
Lock Ties: -

When using lock ties to secure harness, clip the lock ties after securing them.



Machine Screws: -

Start all machine screws by hand.

**1. Vehicle Protection.**

(a) Protect fender before starting.

(b) Place removed vehicle components on protective blanket.

(c) Remove the negative (-) battery cable.
(Fig. 1-1)



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



(d) Using protective blankets, cover front seat, interior of vehicle, center console and front side of shift lever.

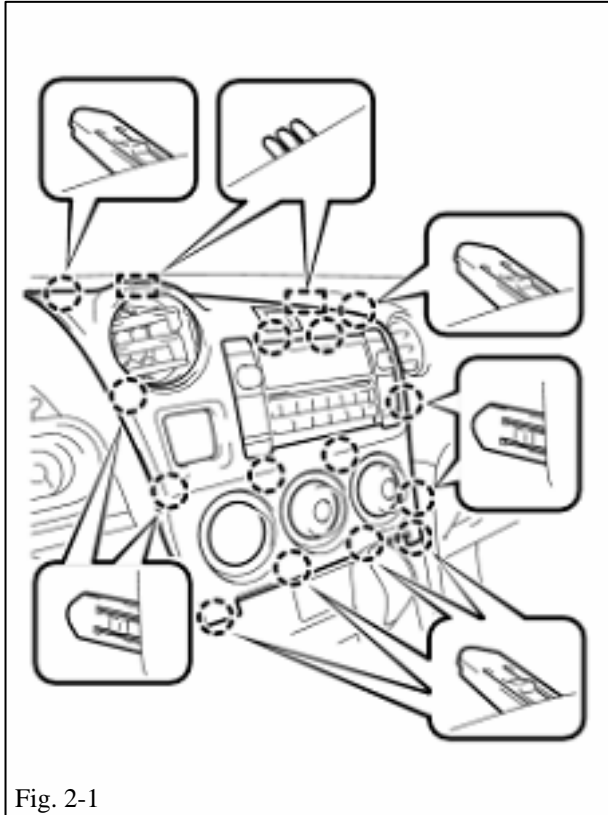


Fig. 2-1

2. Vehicle Disassembly.

(a) Remove center instrument cluster finish panel sub-assembly.

(1) Disengage the fourteen (14) claws and two (2) guides. (Fig. 2-1)

(2) Disconnect each connector.

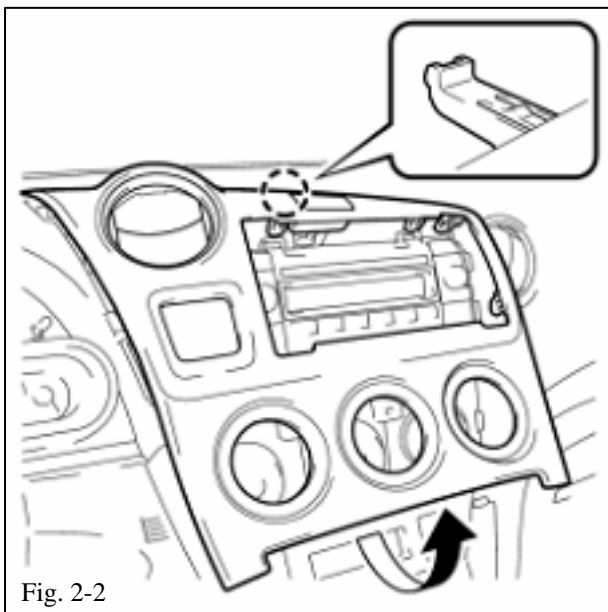
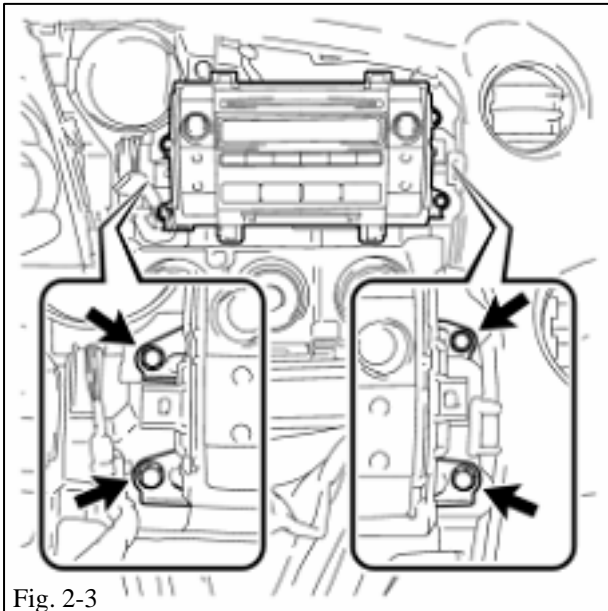


Fig. 2-2

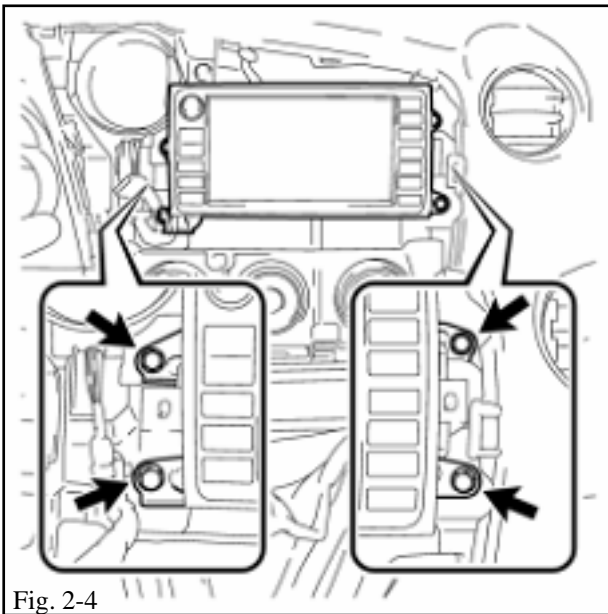
(3) Disengage the claw and remove the center instrument cluster finish panel sub-assembly as shown in the illustration. (Fig. 2-2)



(b) Remove radio receiver assembly with bracket.

- (1) Remove the four (4) bolts and radio receiver assembly with bracket. (Fig. 2-3)

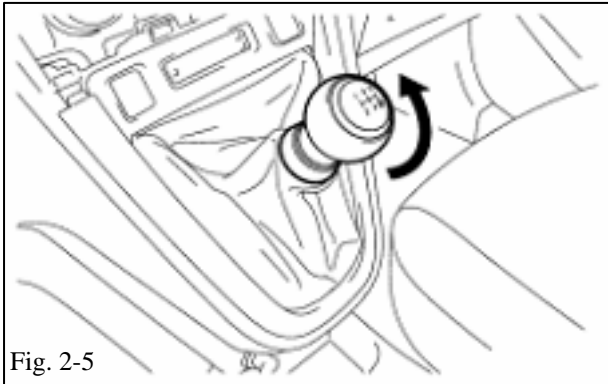
- (2) Disconnect each connector.



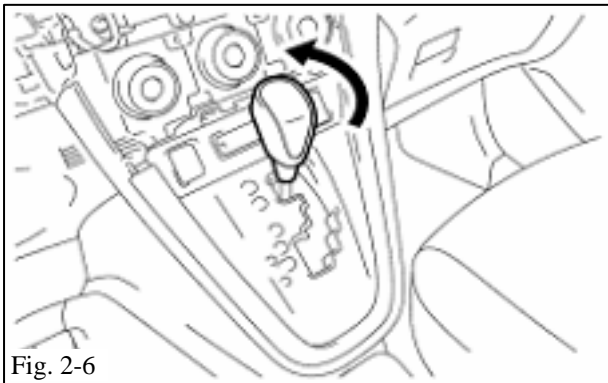
(c) Remove navigation receiver assembly with bracket. (Fig. 2-4)

- (1) Remove the four (4) bolts and navigation receiver assembly with bracket.

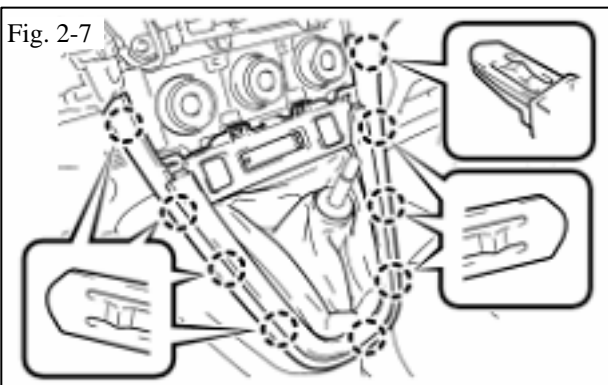
- (2) Disconnect each connector.



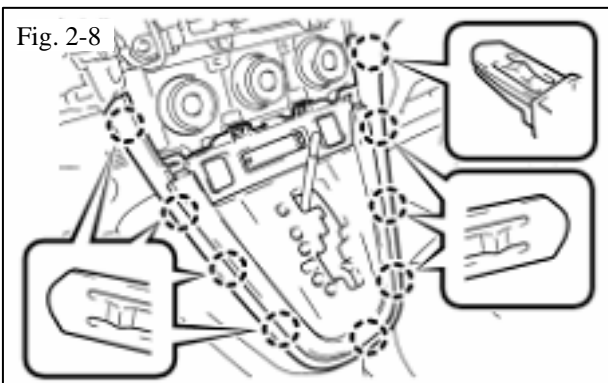
- (d) Remove shift lever knob sub-assembly (for manual transaxle). (Fig. 2-5)
- (1) Turn the shift lever knob counterclockwise and remove the shift lever knob sub-assembly.



- (e) Remove shift lever knob sub-assembly (for automatic transaxle). (Fig. 2-6)
- (1) Turn the shift lever knob counterclockwise and remove the shift lever knob sub-assembly.



- (f) Remove center instrument cluster finish panel assembly (for manual transaxle). (Fig. 2-7)
- (1) Disengage the nine (9) claws and remove the center instrument cluster finish panel assembly.



- (g) Remove center instrument cluster finish panel assembly (for automatic transaxle). (Fig. 2-8)
- (1) Disengage the nine (9) claws.
- (2) Disconnect the connector and remove the center instrument cluster finish panel assembly.

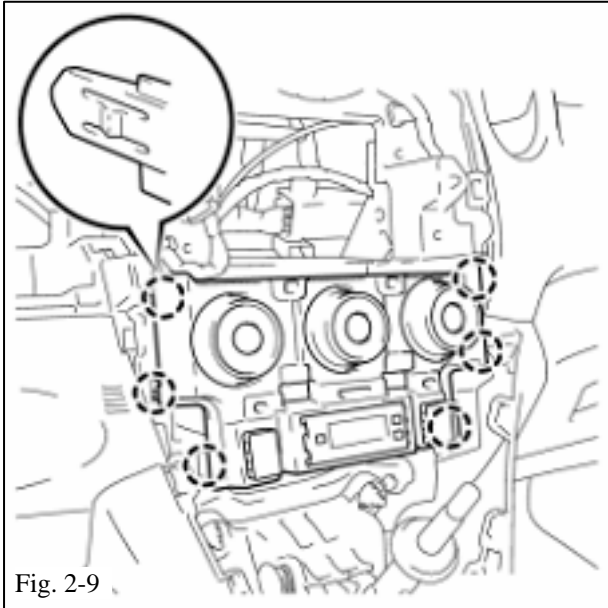


Fig. 2-9

(h) Remove air conditioning panel assembly.

(1) Disengage the six (6) claws and remove the air conditioning panel assembly.

(Fig. 2-9)

(2) Disconnect each connector.

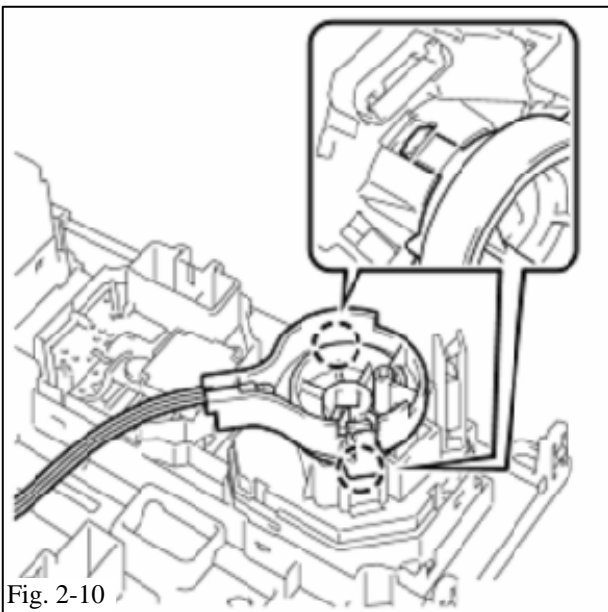
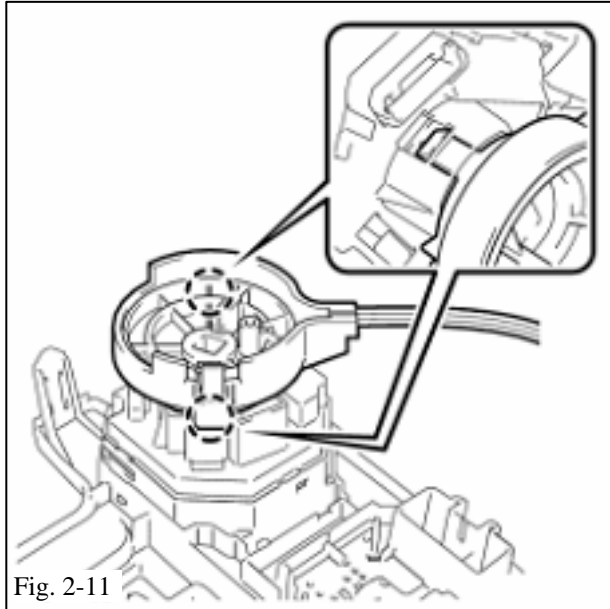


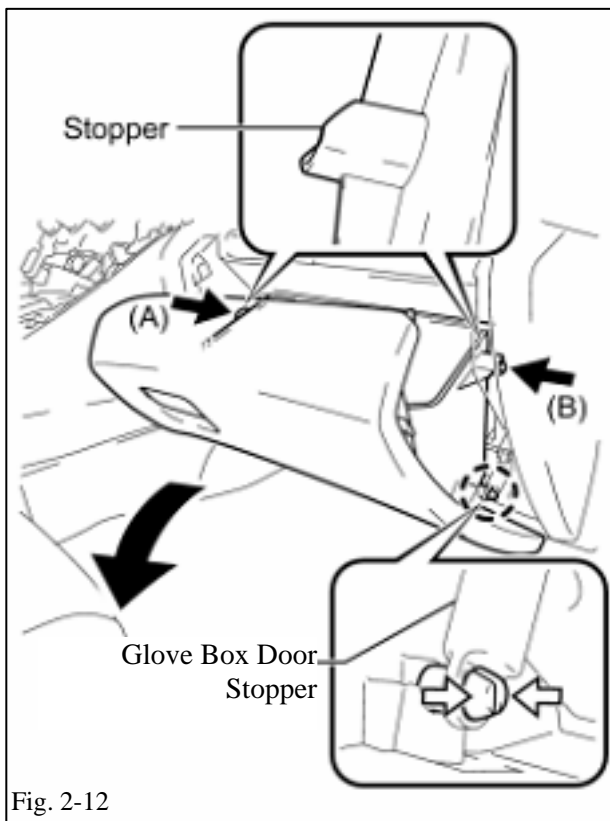
Fig. 2-10

(3) Disengage the two (2) claws and the No. 2 heater control cable sub-assembly.

(Fig. 2-10)



- (i) Disengage the two (2) claws and the air mix damper control cable sub-assembly.
(Fig. 2-11)



- (j) Remove glove box door assembly. (Fig. 2-12)
- (1) Disengage the claw and release the glove box door stopper.
 - (2) Bend portions (A) and (B) in the direction indicated by the arrows in the illustration to release the two (2) stoppers, and then lower the glove box door assembly until the front of the door is level.

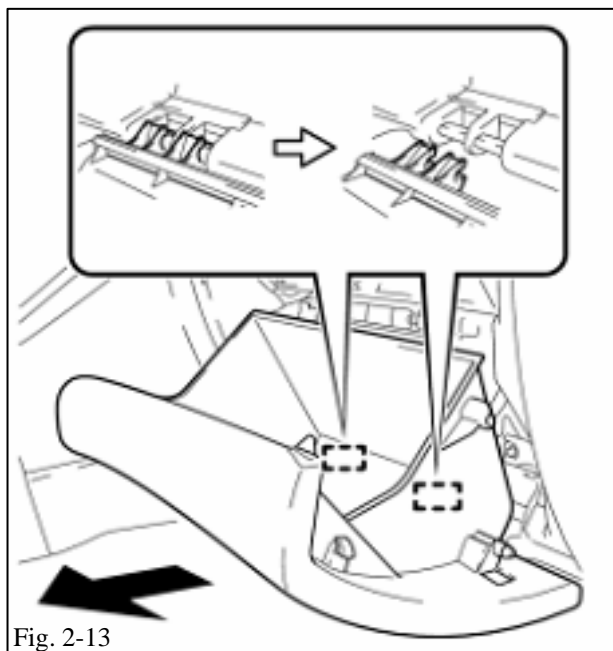


Fig. 2-13

- (k) Pull the glove box door assembly horizontally toward the rear of the vehicle to release the two (2) hinges, and remove the glove box door assembly. (Fig. 2-13)

NOTE: Pulling the glove box door assembly upward to remove it causes the hinges to deform. Be sure to pull out the box door horizontally.

3. Install the Interface Unit.

- (a) Slide the interface unit into the foam sleeve.
- (b) Connect the iPod cable to the interface unit.
- (c) Place two (2) 14" lock ties around the cross member behind the inner molded dash structure at the back of the head unit.

NOTE: Do not go over the vehicle harness. Do not tighten the lock ties.

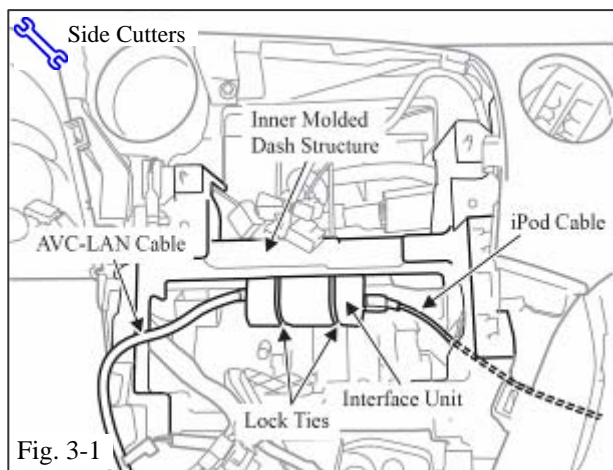


Fig. 3-1

- (d) Route the AVC-LAN cable through the lock ties. (Fig. 3-1 & 3-2)
- (e) Slide the interface unit through the lock ties. (Fig. 3-1 and 3-2)
- (f) Tighten the two (2) 14" lock ties and secure the interface unit. (Fig. 3-2)

NOTE: Trim excess from all lock ties after tightening.

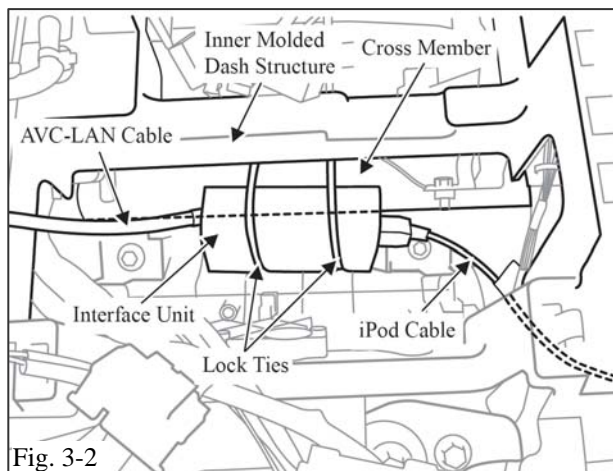
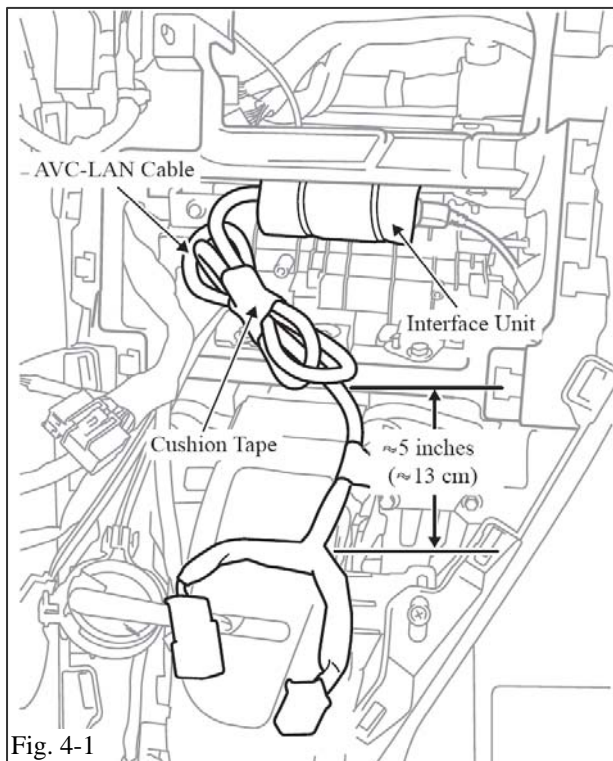
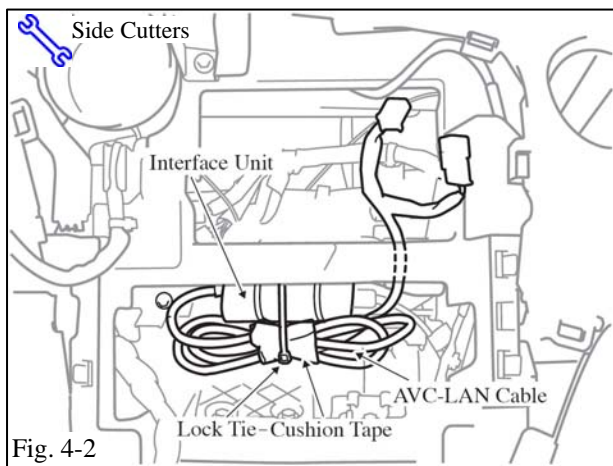


Fig. 3-2



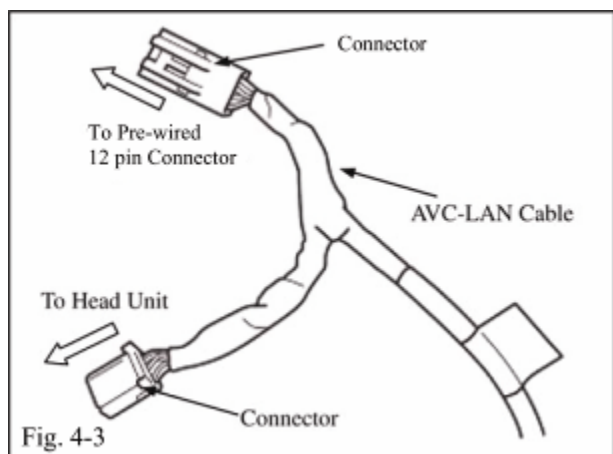
4. Connect the AVC-LAN Cable to the Head Unit.

- (a) Bundle the excess AVC-LAN cable and secure with cushion tape. (Fig. 4-1)
- (1) Provide sufficient cable length of about 5 inches.

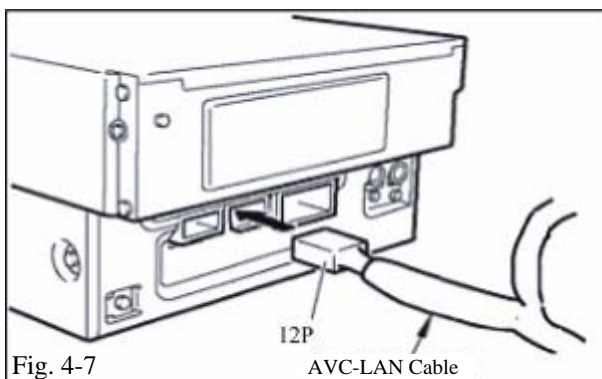
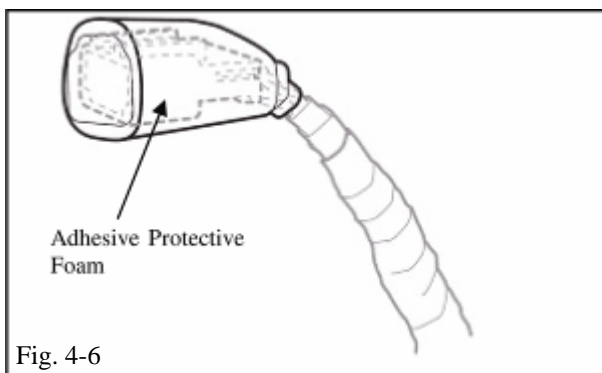
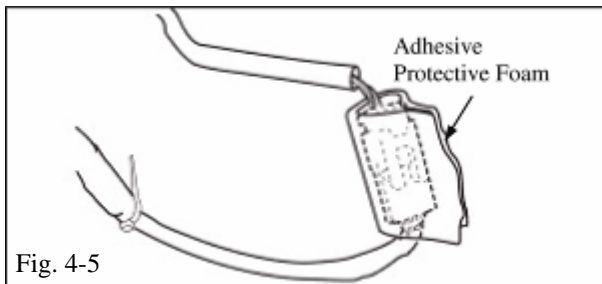
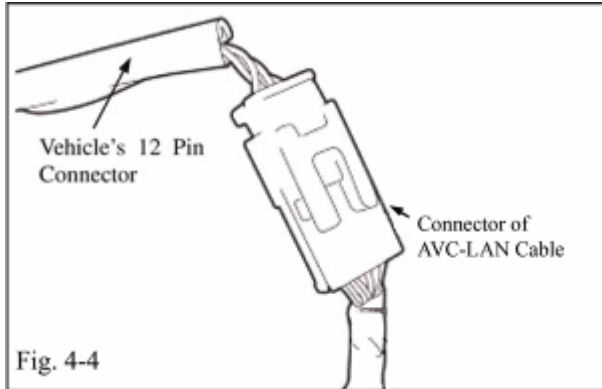


- (b) Secure the bundled AVC-LAN cable at the interface unit with one (1) 14" lock tie. (Fig. 4-2)

NOTE: Trim excess from all lock ties after tightening.



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



(c) If 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) If applicable, plug the pre-wired 12 pin connector into the connector of the AVC-LAN cable. (Fig. 4-3 & 4-4)

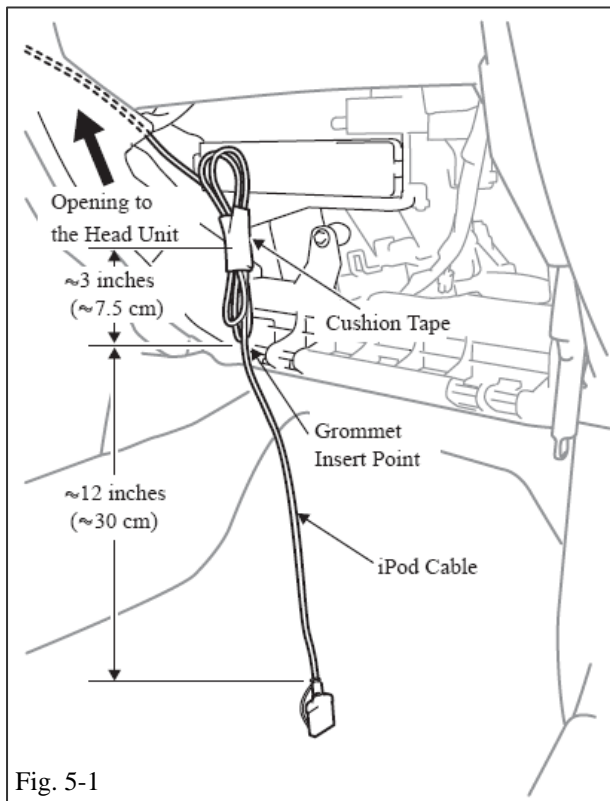
- (3) Wrap the connectors with adhesive protective foam to secure. (Fig. 4-5)

(d) If the 12 pin connector is not pre-wired to the head unit.

- (1) Wrap the unused connector of the AVC-LAN cable in adhesive protective foam. (Fig. 4-6)
- (2) Reconnect the factory harness and antenna cable.

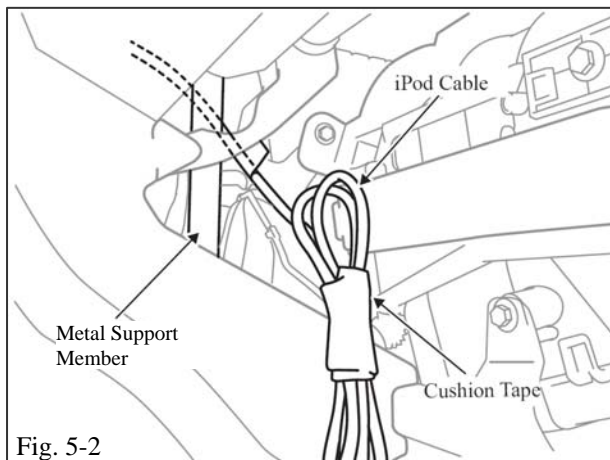
(e) Plug the connector of the AVC-LAN cable into the head unit. (Fig. 4-7)

(f) Reinstall head unit.



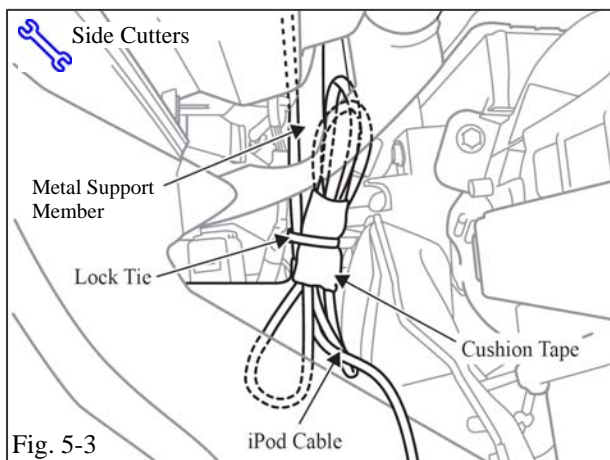
5. Route the iPod Cable.

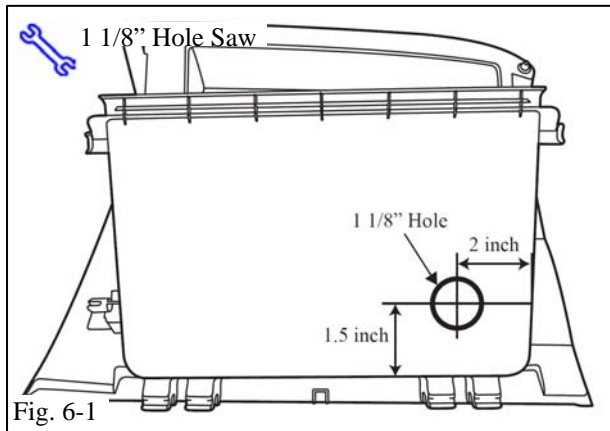
- (a) Route the iPod cable from the head unit to the glove box opening.
- (b) Bundle the excess the iPod cable and secure with cushion tape. (Fig. 5-1)
- (1) Provide sufficient cable length so 12 inches of cable will be in the glove box after installation.



- (c) Using one (1) 6" lock tie, secure the cable bundle to the metal support member. (Fig. 5-2 & 5-3)

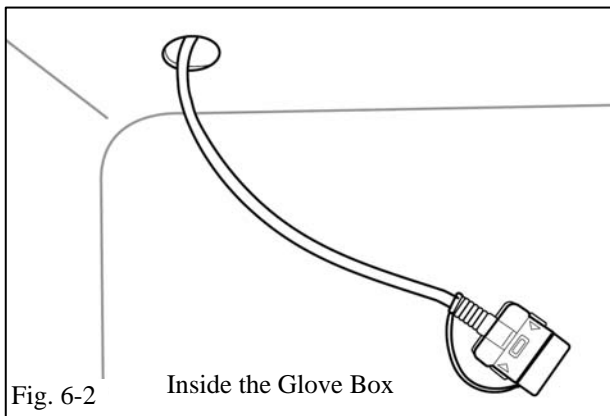
NOTE: Trim excess from all lock ties after tightening.



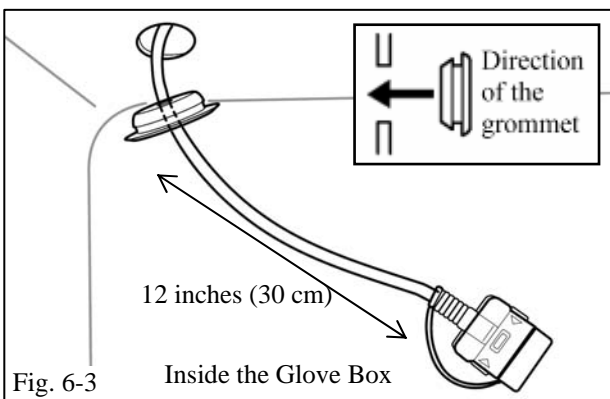


6. Route the iPod Cable Terminal.

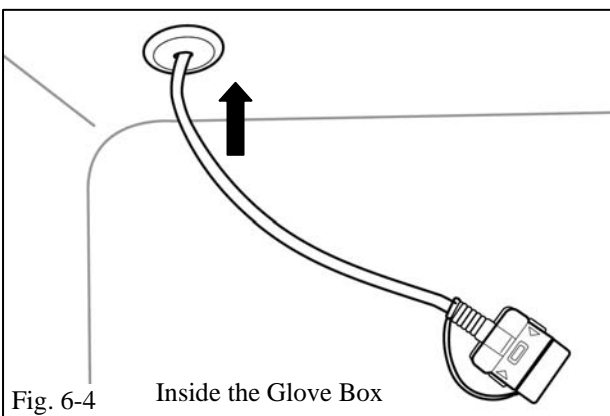
- (a) Make a round hole through which the cable can pass at the location on the glove box shown in the illustration. (Fig. 6-1)
 - (1) Hole saw is 1 1/8" (29 mm).
 - (2) De-bur drilled hole.
 - (3) Clean shavings from glove box after drilling.



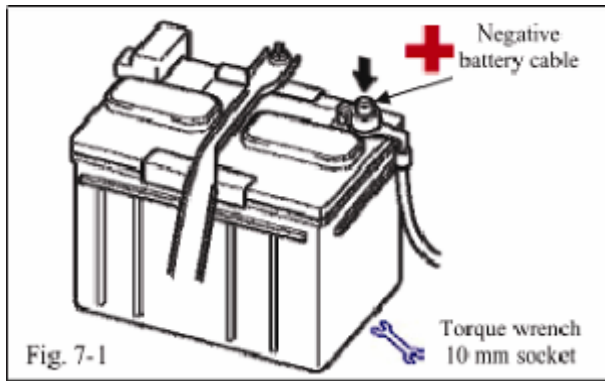
- (b) Route the iPod cable through the hole from outside of the glove box. (Fig. 6-2)



- (c) Apply the grommet to the iPod cable. The distance from the grommet to iPod cable terminal should be approx. 12 inches. (Fig. 6-3)



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



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 MATRIX 2008 - INTERFACE KIT FOR IPOD

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

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