

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	
iPod Checker	IADS # AVA08-038-01
Panel Clip Removal	SST # 00002-06001-01
Sockets	10 mm, 8 mm
Screwdriver	Phillips, #2
Torque Wrench	4.1N•M (36lbf in) (battery cable) 10N•M (7ft-lbf)
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 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.

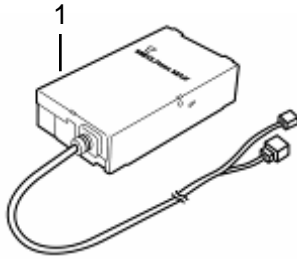
 **CAUTION:** A process that must be carefully observed in order to reduce the risk of damage to the accessory/vehicle and to ensure a quality installation.

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

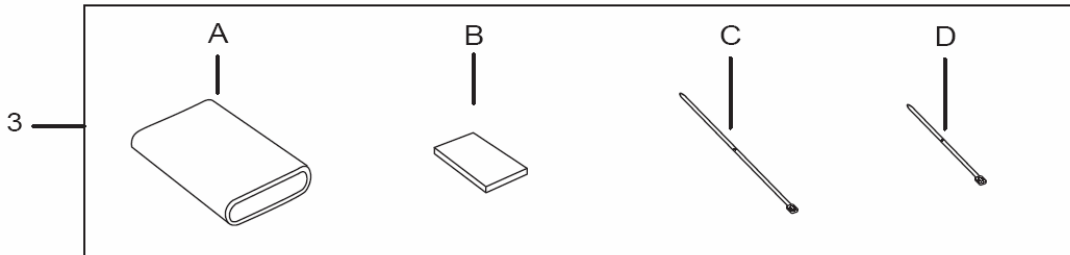
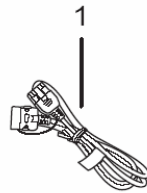
 **REVISION MARK:** This mark highlights a change in installation with respect to previous issue.

 **SAFETY TORQUE:** This mark indicates that torque is related to safety.

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

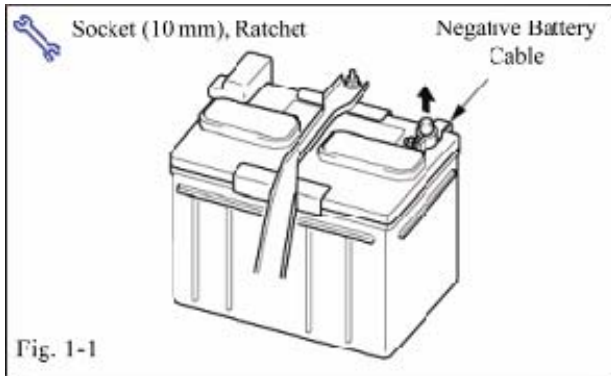
Care must be taken when installing this accessory to ensure damage does not occur to the vehicle. The installation of this accessory should follow approved guidelines to ensure a quality installation.

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

This document covers such items as:-

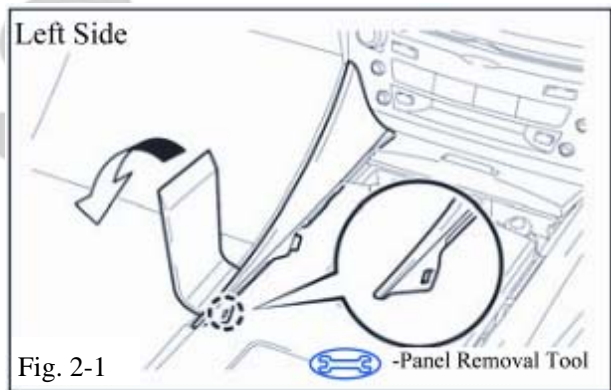
- Vehicle Protection (use of covers and blankets, cleaning chemicals, etc.).
- Safety (eye protection, rechecking torque procedure, etc.).
- Vehicle Disassembly/Reassembly (panel removal, part storage, etc.).
- Electrical Component Disassembly/Reassembly (battery disconnection, connector removal, etc.).

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



1. Remove the Negative (-) Battery Cable

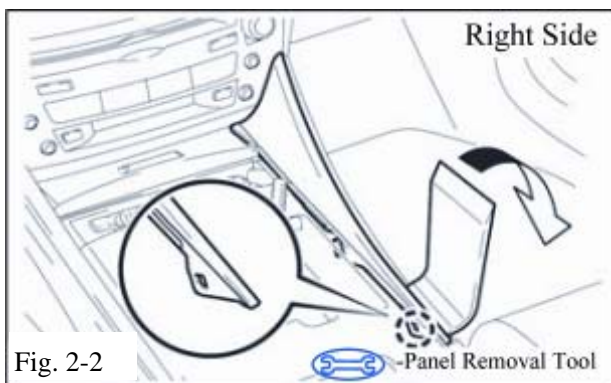
- STOP (a) Set parking brake.
- (b) Remove the negative battery cable. (Fig. 1-1)
- STOP (1) Protect the fender before starting.
- + **CAUTION:** Do not touch the positive terminal with any tool when removing cable.



2. Vehicle Disassembly

- STOP (a) Using protective blankets, cover front seat, interior of vehicle and center console forward of shifter.

- (b) Unscrew & remove the shift knob.



- (c) Remove upper console side trim – Auto Trans.

- ! (1) Using a nylon pry tool gently pry end upward to release clip as shown. (Figs. 2-1 & 2-2)

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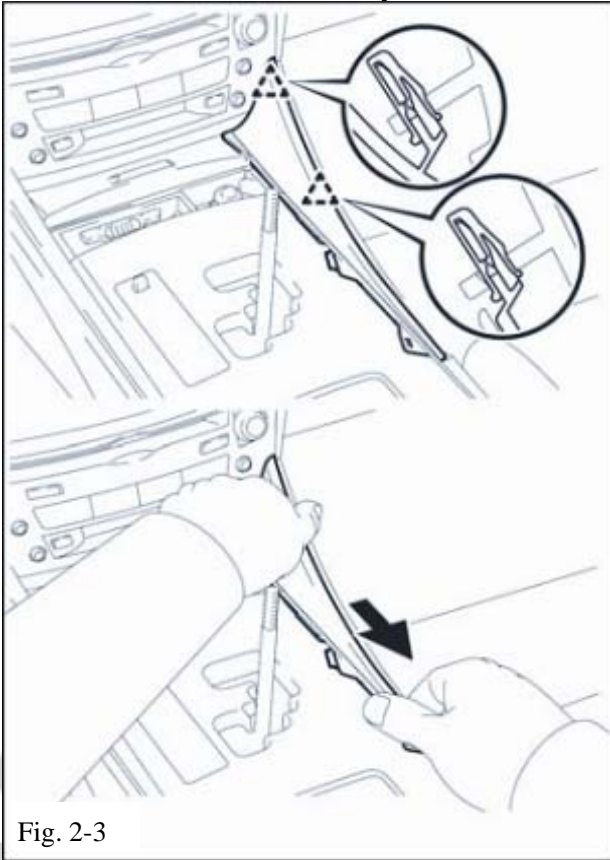


Fig. 2-3

- (2) By hand gently pull upward and back to remove side trim. Remove both sides using same process. (Fig. 2-3)

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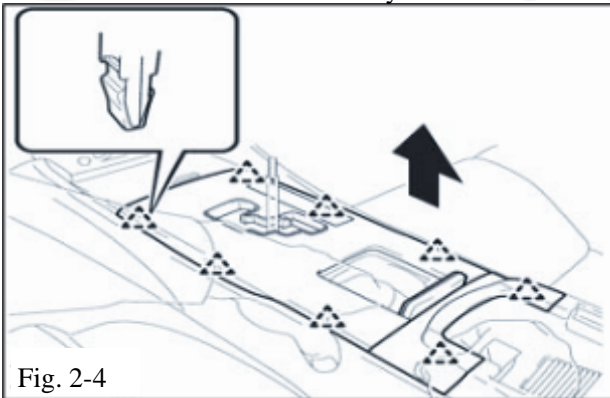


Fig. 2-4

- (d) Remove the upper console trim – Auto Trans.

- (1) By hand gently pull upward to release clips and remove the trim. (Fig. 2-4)
- (2) Disconnect any connectors.

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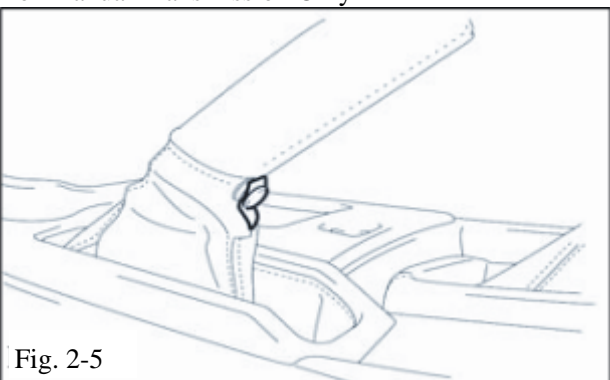


Fig. 2-5

- (e) Remove the upper console trim – Manual Trans.

- (1) Release snap on emergency brake leather cover. (Fig. 2-5)

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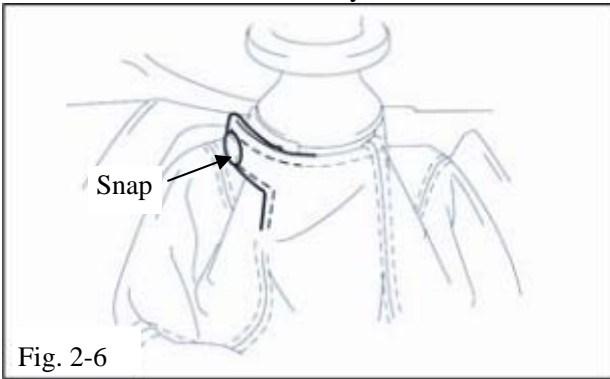


Fig. 2-6

- (2) Release snap on shift lever cover. (Fig. 2-6)

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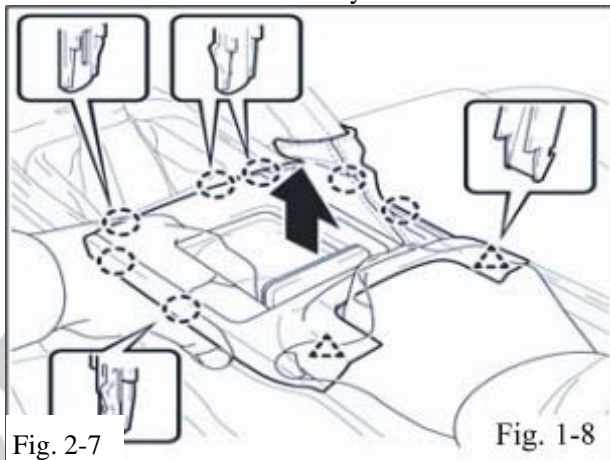


Fig. 2-7

Fig. 1-8

- (3) By hand grasp structure under cover and gently pull up on emergency brake leather cover assembly to release the clips & remove the cover. (Fig. 2-7)

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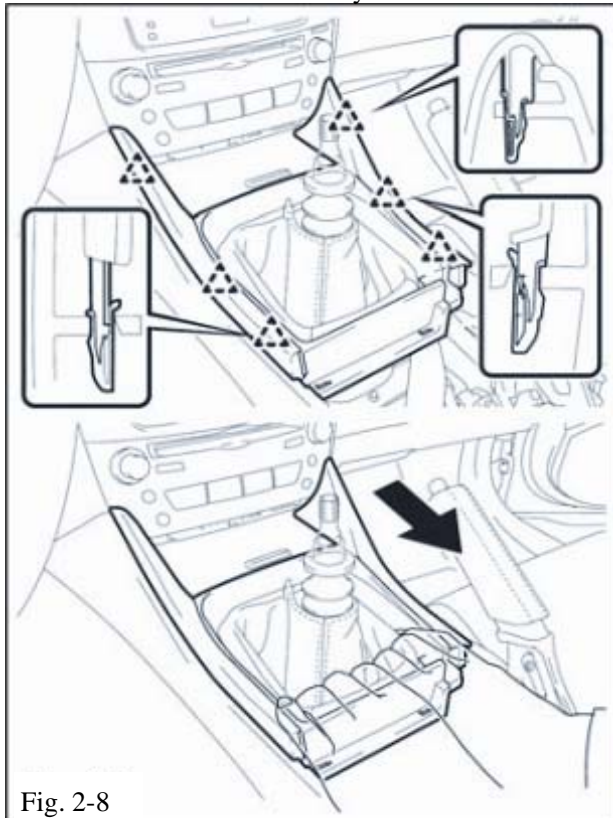


Fig. 2-8

- (4) By hand gently pull up on shift lever leather cover to release clips & remove. (Fig. 2-8)

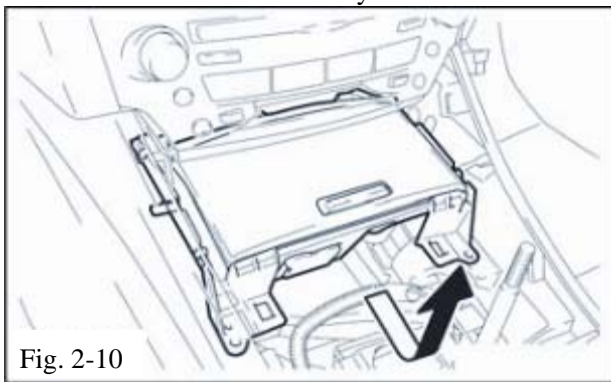
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(f) Remove the center console upper box – Manual Trans.

(1) Remove the two (2) screws as shown. (Fig. 2-9)

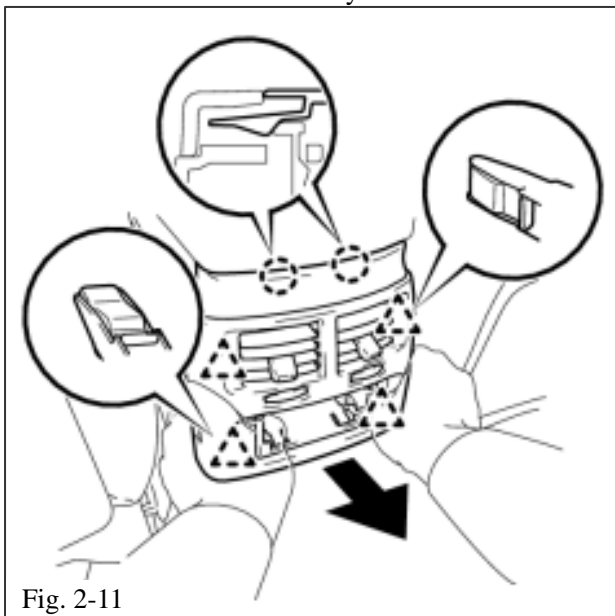
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(2) By hand pull upward & remove box. (Fig. 2-10)

(3) Disconnect any connectors.

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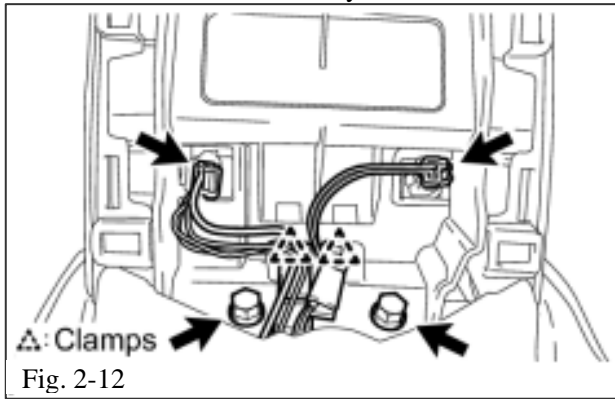


(g) Remove the console box register assembly – Manual Trans. (Fig. 2-11)

(1) Remove the rear ash receptacle assembly.

(2) Disengage the two (2) claws and four (4) clips, and then remove the console box register assembly.

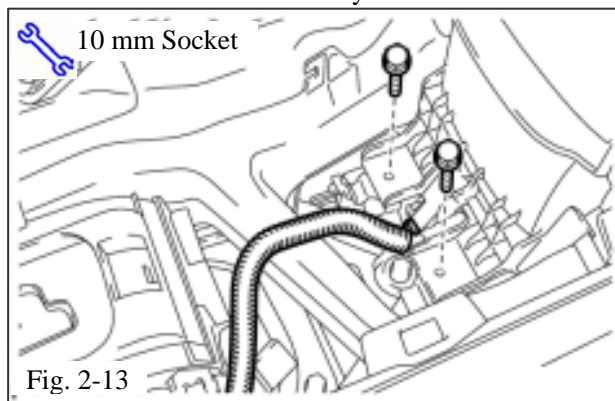
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(h) Remove the console box – Manual Trans. (Fig. 2-12)

- (1) Remove the two (2) bolts.
- (2) Disconnect the two (2) connectors.
- (3) Disengage the two (2) clamps.

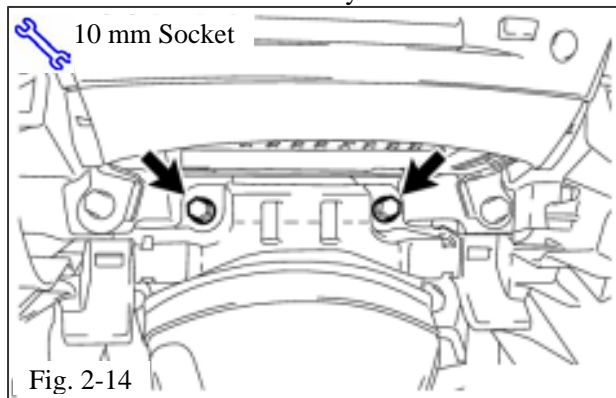
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(4) Remove the two (2) bolts. (Fig. 2-13)

(5) Disconnect the connector.

For Manual Transmission Only



(6) Remove the two (2) bolts. (Fig. 2-14)

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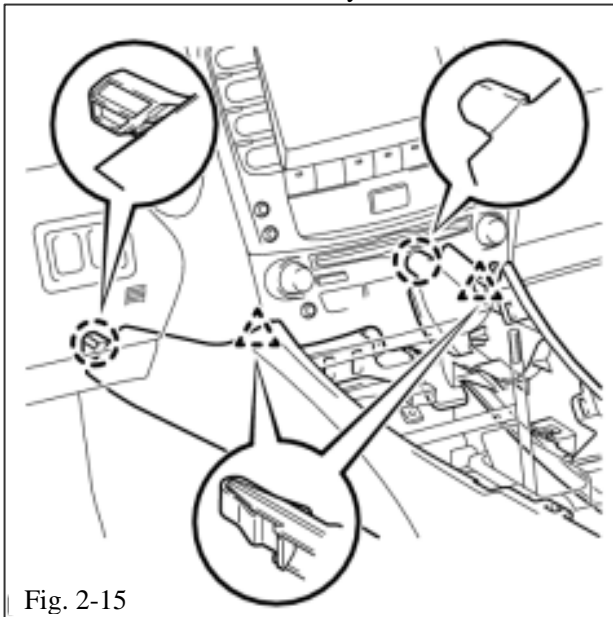


Fig. 2-15

- (7) Disengage the two (2) claws and two (2) clips, and then remove the console box. (Fig. 2-15)

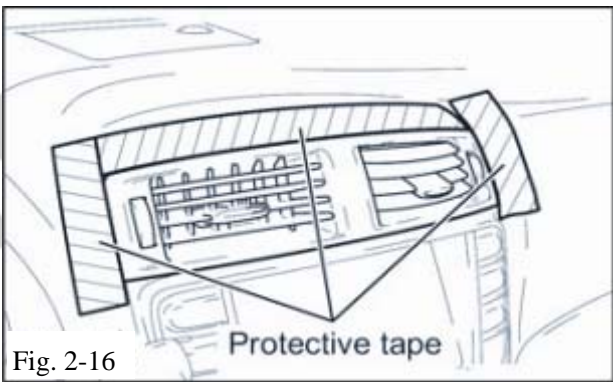


Fig. 2-16

- (i) Remove the upper vents trim piece. (Fig. 2-16)

- (1) Apply protective tape to dash area as shown. (Fig. 2-16)

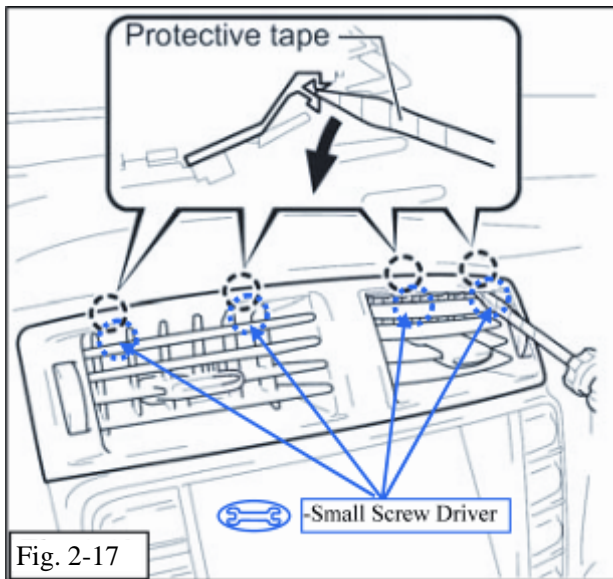
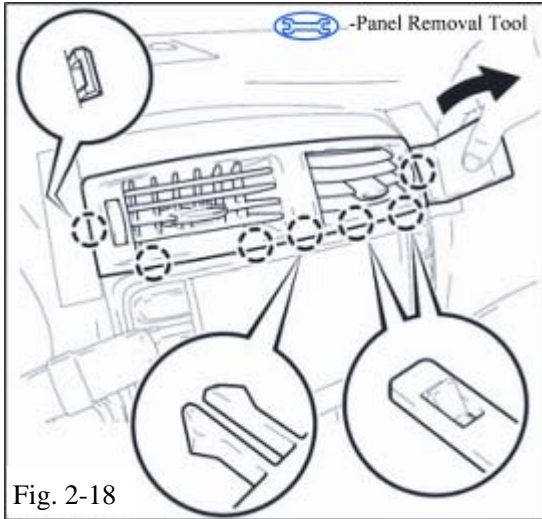


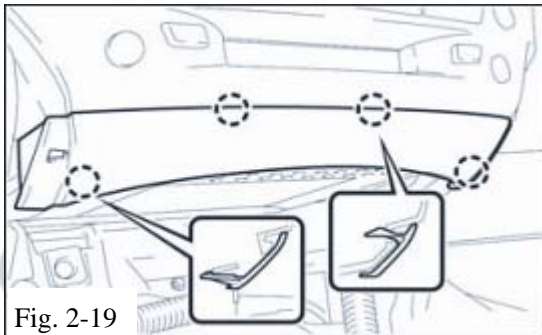
Fig. 2-17



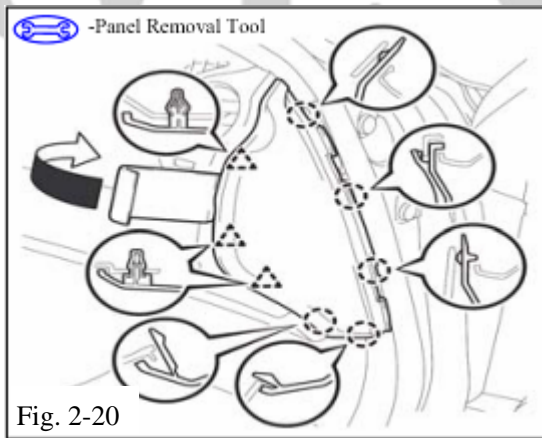
- (2) Disengage the four (4) clips using a screwdriver with protective tape applied as shown. (Fig. 2-17)



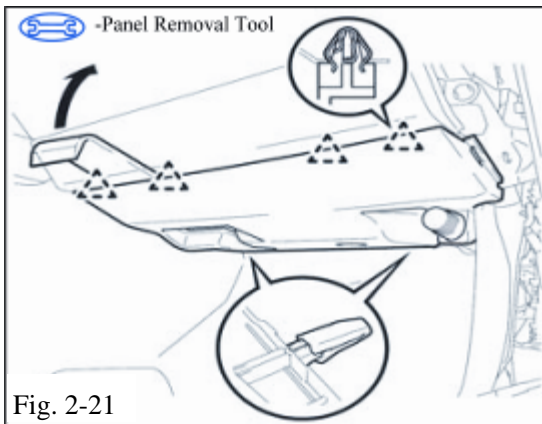
- (3) Using a nylon pry tool gently pry on vent trim panel to release clips as shown. (Fig. 2-18)
- (4) Disconnect any connectors & then remove trim panel.



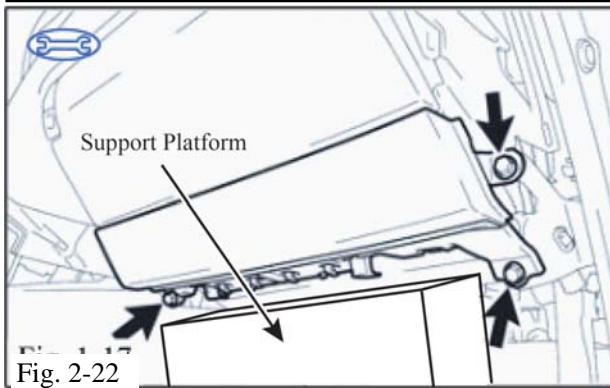
- (j) Remove the lower radio fascia.
 - (1) By hand gently pull outward to release the four (4) clips to remove fascia. (Fig. 2-19)



- (k) Remove "A" pillar dash panel.
 - (1) Using a nylon removal tool release the clips & claws as shown & remove the panel. (Fig 2-20)



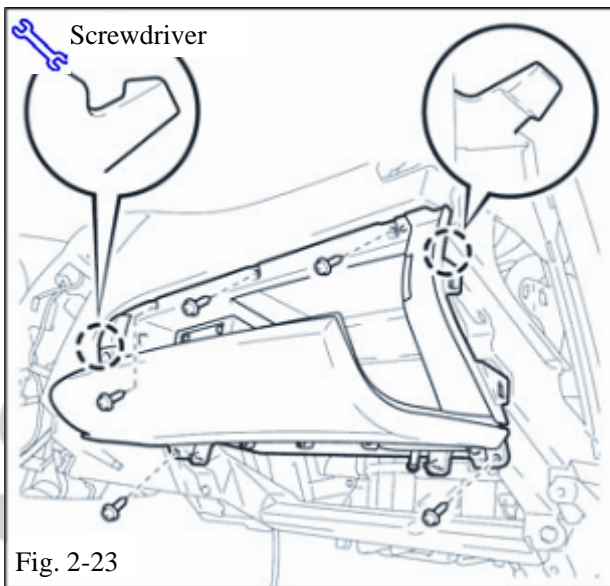
- (l) Remove the lower glove box trim panel.
 - (1) Using a nylon removal tool release the four (4) clips as shown & remove the panel. (Fig. 2-21)
 - (2) Disconnect any connectors.



- (m) Remove front passenger side knee airbag assembly.
 - (1) Remove the three (3) bolts and the airbag assembly. (Fig. 2-22) (Reassemble at 10N·M (7ft-lbf) torque)
 - (2) Do not disconnect the airbag connector.
 - (3) Place protective blanket over center console and shifter.
 - (4) Place the front passenger side knee airbag assembly on a support platform to avoid stress on wiring.

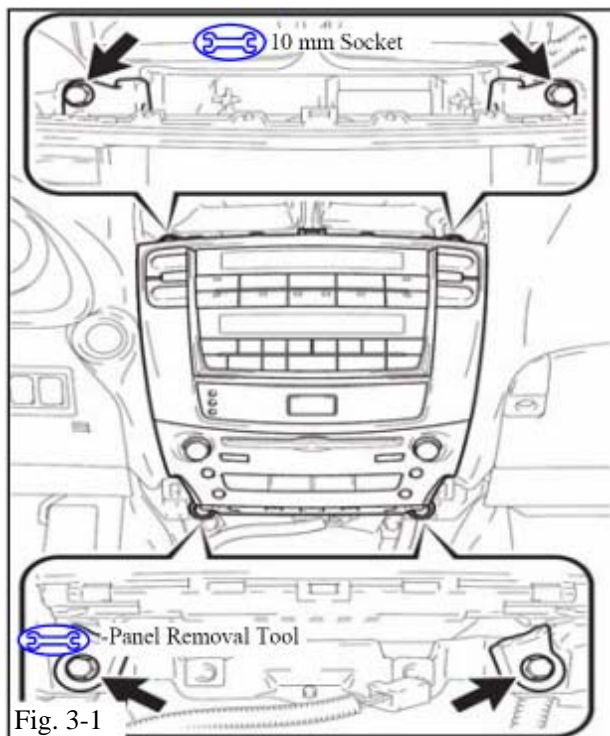


NOTE: When handling the airbag assembly, take care not to damage the airbag wire harness.



- (5) Remove glove box assembly.
- (n) Remove the five (5) screws, and then pull outward to remove the glove compartment door as shown. (Fig. 2-23)
- (k) Disconnect any connectors.

(o) Temporarily reinstall the airbag assembly.



3. Remove the Head Unit.

- (a) Remove the two (2) 10 mm bolts on top and the two (2) 10 mm bolts on the bottom. (Fig. 3-1)
- (b) Gently pull out the radio cluster.
 - (1) Remove any connector.

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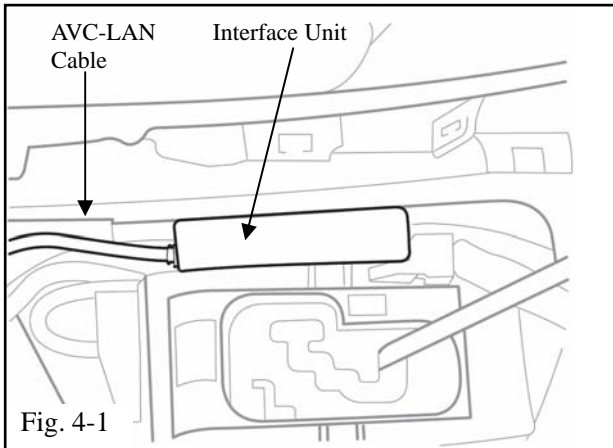


Fig. 4-1

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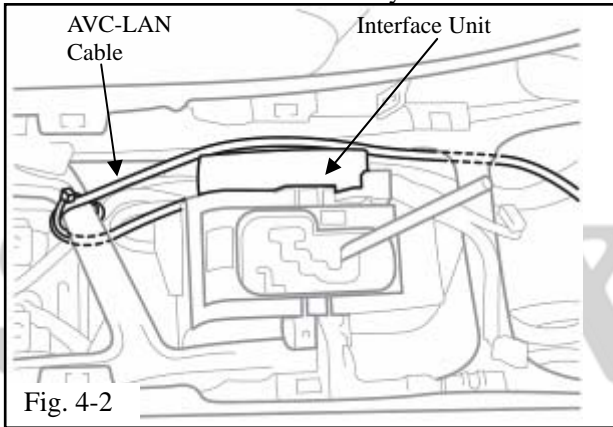


Fig. 4-2

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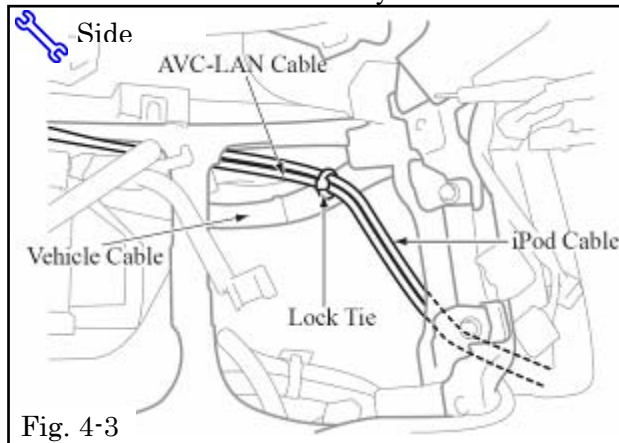


Fig. 4-3

4. Install the Interface Unit and Route the AVC-LAN Cable and the iPod Cable

- (a) Install the foam sleeve over the iPod chassis.
- (b) Connect the iPod cable to the interface unit.
- (c) Carefully insert the interface unit into the open space next to the shift lever with the AVC-LAN cable routed toward the rear of the vehicle. (Fig. 4-1)
- (d) Route the AVC-LAN cable under, then back up and over the vehicle bar in the center console as shown. (Fig. 4-2)
 - (1) Secure the cable with a 6" lock tie. (Fig. 4-2)

NOTE: Trim excess from all lock ties after tightening.

- (e) Continue to route the AVC-LAN cable toward the audio head unit, passing it to the driver's side of the interface unit, and continuing under the front vehicle bar in the center console. (Fig. 4-2)
- (f) Secure the AVC-LAN cable and the iPod cable together to the existing vehicle wiring using a 6" lock tie. (Fig. 4-3)

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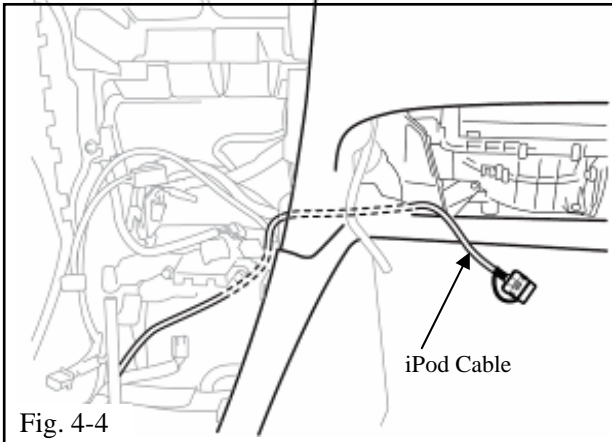


Fig. 4-4

- (g) Route the iPod cable through the head unit area toward the glove box. (Fig. 4-4)

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Fig. 4-5

- (h) Wrap the bottom bracket of the head unit with the cushion tape. (Fig. 4-5 & 4-6)

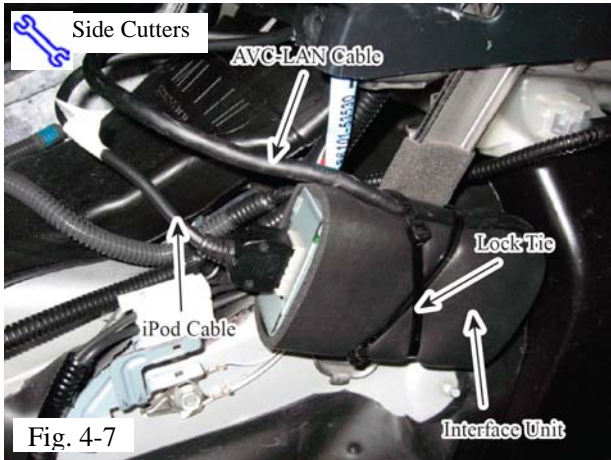
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Fig. 4-6

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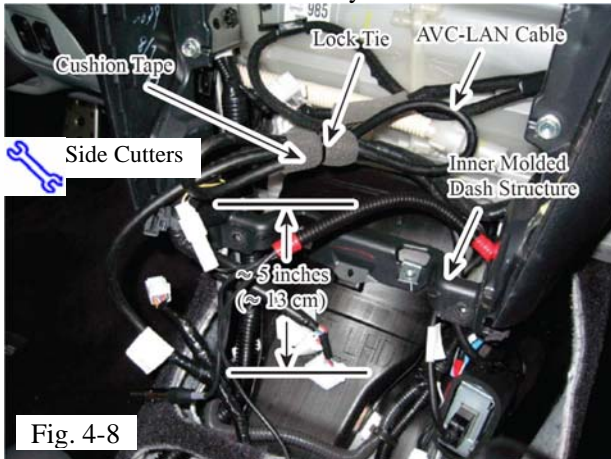


- (i) Install the interface unit at the bottom bracket of the head unit. (Fig. 4-7)
- (j) Secure the interface unit with two (2) 14" inch lock ties. (Fig. 4-7)

NOTE: Cross the lock ties as shown in Fig. 4-7.

NOTE: Trim excess from all lock ties after tightening.

For Manual Transmission Only



- (k) Route the AVC-LAN cable behind the inner molded dash structure. (Fig. 4-8)

- (l) Bundle the excess AVC-LAN cable with cushion tape and one (1) 6" lock tie. (Fig. 4-8)

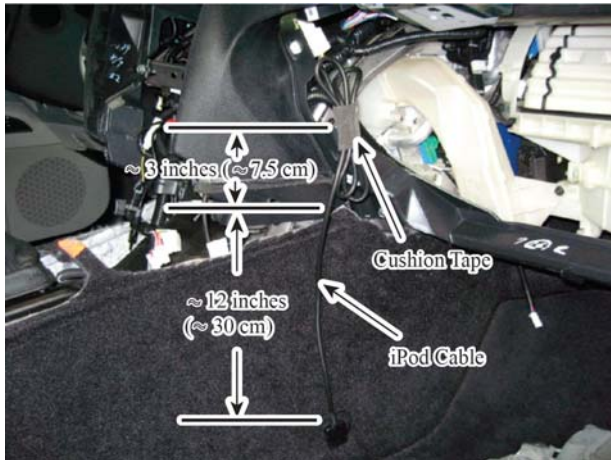
NOTE: Trim excess from all lock ties after tightening.

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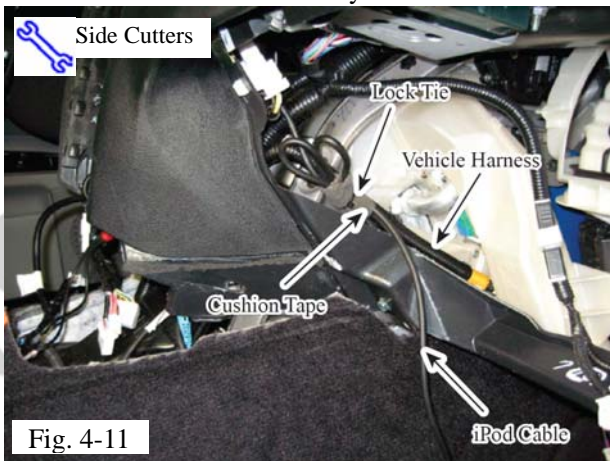
- (m) Route the iPod cable through from the head unit to the glove box opening. (Fig. 4-9)

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- (n) Bundle the excess the iPod cable and secure with the cushion tape. (Fig. 4-10)
- (1) Provide sufficient cable length so 12 inches of cable will be in the glove box after installation.

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- (o) Using one (1) 6" lock tie, secure the cable bundle to the existing vehicle harness behind the glove box. (Fig. 4-11)

NOTE: Trim excess from all lock ties after tightening.

Fig. 4-11

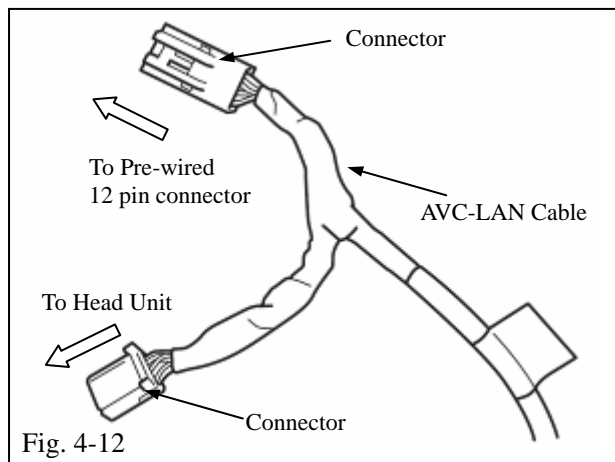
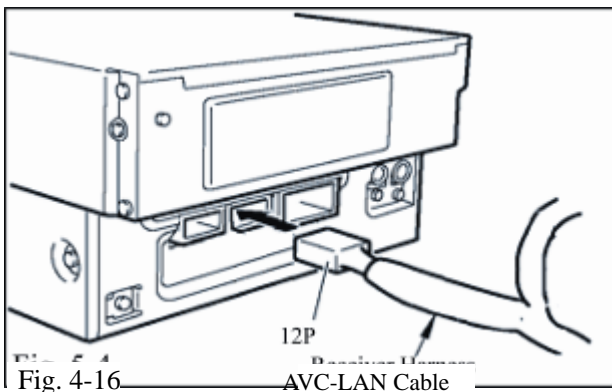
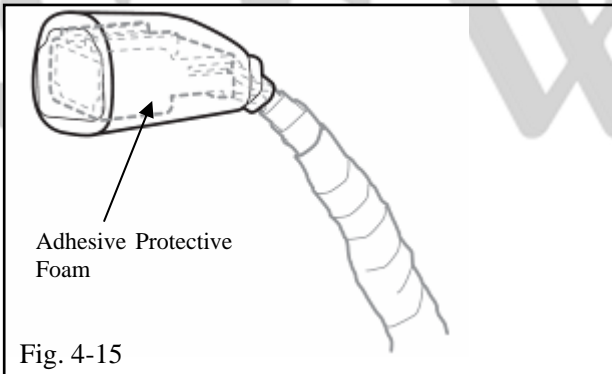
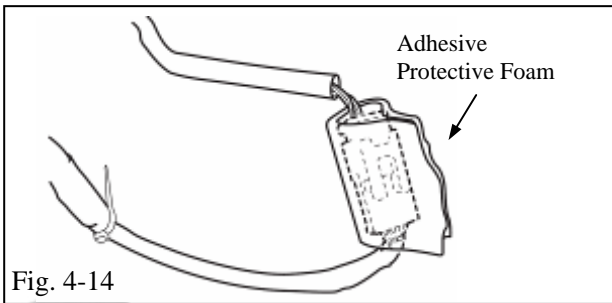
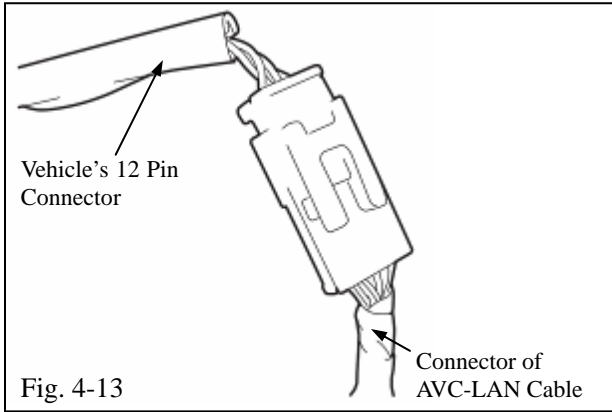


Fig. 4-12

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

- (p) 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. 4-12 & 4-13)



- (3) Wrap the connectors with adhesive protective foam to secure. (Fig. 4-14)
- (4) Reconnect the factory harness and antenna cable.

- (q) 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. 4-15)
 - (2) Reconnect the factory harness and antenna cable.
- (r) Plug the connector of the AVC-LAN cable into the head unit. (Fig. 4-16)

- (s) Insert the head unit into opening and re-install the four (4) bolts.

- (t) Place the radio cluster back into position.

- (u) Be careful not to crimp any of the factory harnesses or the AVC-LAN cable when replacing the radio.



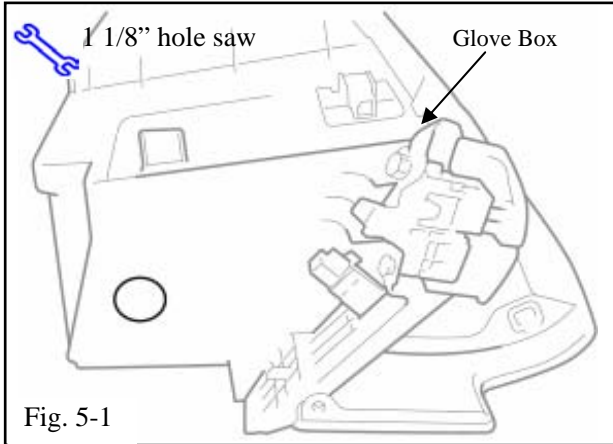


Fig. 5-1

5. 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. 5-1 & 5-2)
 - (1) Hole saw is 1 1/8" (29 mm).
 - (2) De-bur drilled hole.
 - (3) Clean shavings from glove box after drilling.

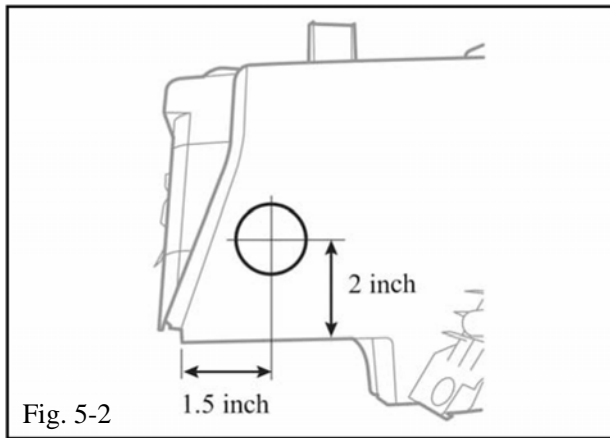


Fig. 5-2

WELL

- (b) Route the iPod cable through the hole from outside of the glove box. (Fig. 5-3)

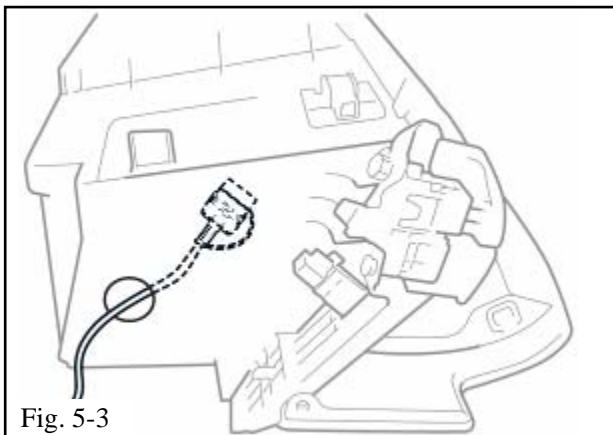
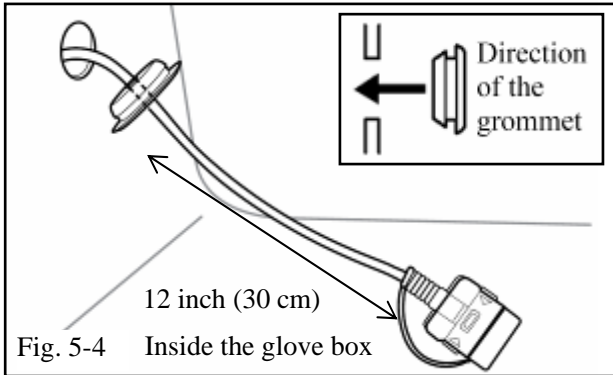
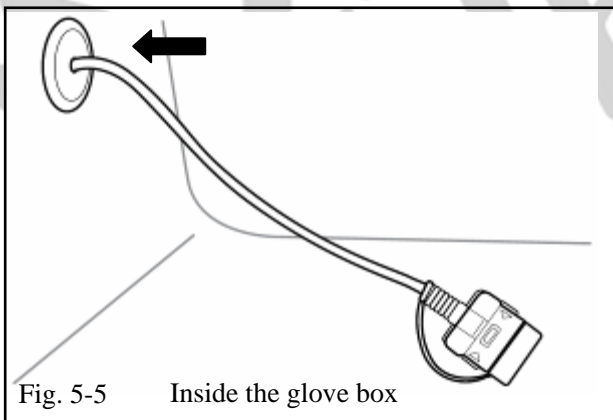


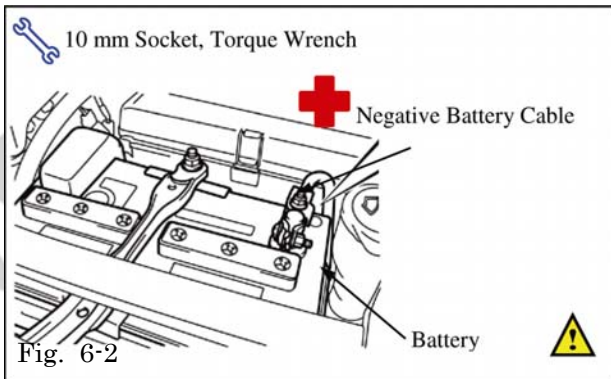
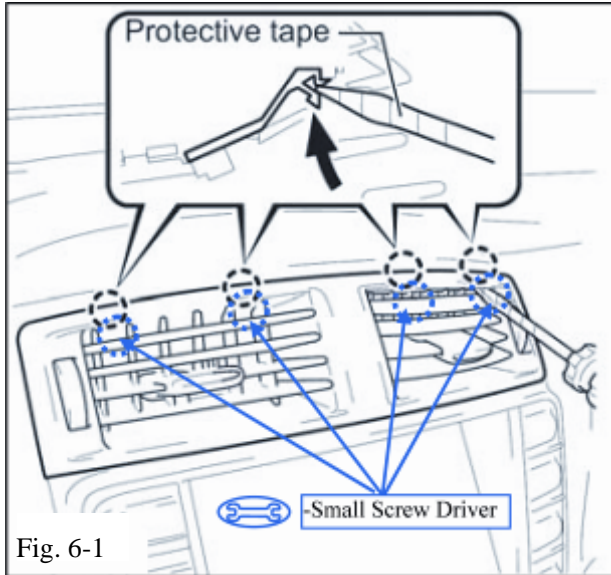
Fig. 5-3



- (c) Apply the grommet to the iPod cable. The distance from the grommet to iPod connector terminal should be approx. 12 inch. (Fig. 5-4)




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




6. Reassemble Vehicle


(a) Reassemble vehicle in opposite order that it was disassembled.

 (1) Torque knee air bag bolts at 10N·m (7ft-lbf).


NOTE: When replacing the upper vents trim piece, make sure the 4 top clips are returned to their original upward position. (Fig. 6-1)

 (b) Reconnect the negative terminal back to its original position. (Fig. 6-2)

(1) Tighten the nut with 4.1 N·m (36 lbf-in) of torque.

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

(c) Clean up and remove any trash.

 (d) Place the "Interface Kit for iPod" owner's manual in the glove box.

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 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"/> Audio AM/FM</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"/> NAV Antenna Functioning.</p> <p><input type="checkbox"/> Seat Climate Control Switches</p>	<p>Verify the proper operation of audio AM/FM.</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>Confirm navigation operation by AVN diagnostics.</p> <p>Verify the proper operation of the Seat Climate Control switch.</p>

