



GENUINE PARTS

iPod INSTALLATION INSTRUCTIONS

1. DESCRIPTION: iPod Interface

2. PART NUMBERS:	iPod Gateway Module Kit	999U7 ST002
	N-Bus harness for iPod Gateway	999U7 VT000
	N-Bus harness for SAT (with factory SAT only)	999U7 VT001

3. MODEL APPLICATION: Altima with CD1 audio system only (2010)

4. iPod GATEWAY MODULE KIT CONTENTS (999U7 ST002):

No.	Parts	Qty	Parts View
A	iPod Gateway Module	1	
B	Cable tie (8")	12	
C	Cable tie (15")	6	
D	Double-Sided Tape	1	
E	Foam Tape	9	
F	Grommet	1	
G	Alcohol Wipe	1	
H	iPod Cable	1	
I	Quick Reference Card	1	
J	Owners Manual	1	
K	Service Info Insert	1	
L	Critical Installation Info	1	

5. PRE-INSTALLATION CAUTIONS/NOTES:

CAUTION

- Dealer installation recommended. This installation instruction will reference the service manual.
- Cut the excess cable tie(s) as flush with the head as possible. Face head of cable tie away from sheet metal and other objects.
- Use caution when removing/re-installing interior components to avoid damage, scratches, or breaking of mounting clips.
- This is a universal installation kit so all parts may not be used.
- Refer to the vehicle specific SAT radio Installation Instructions on ASIST.NET for further information.
- Ensure the Owners Manual and Quick Reference Card are placed in the customers glove box.
- Check the customer's iPod to make sure it has the most current software version before starting the install. (www.apple.com/ipod)
- In the event the iPod system needs to be serviced, order the iPod Service Kit below.
iPod Gateway Service Kit 999U7 VS002SP

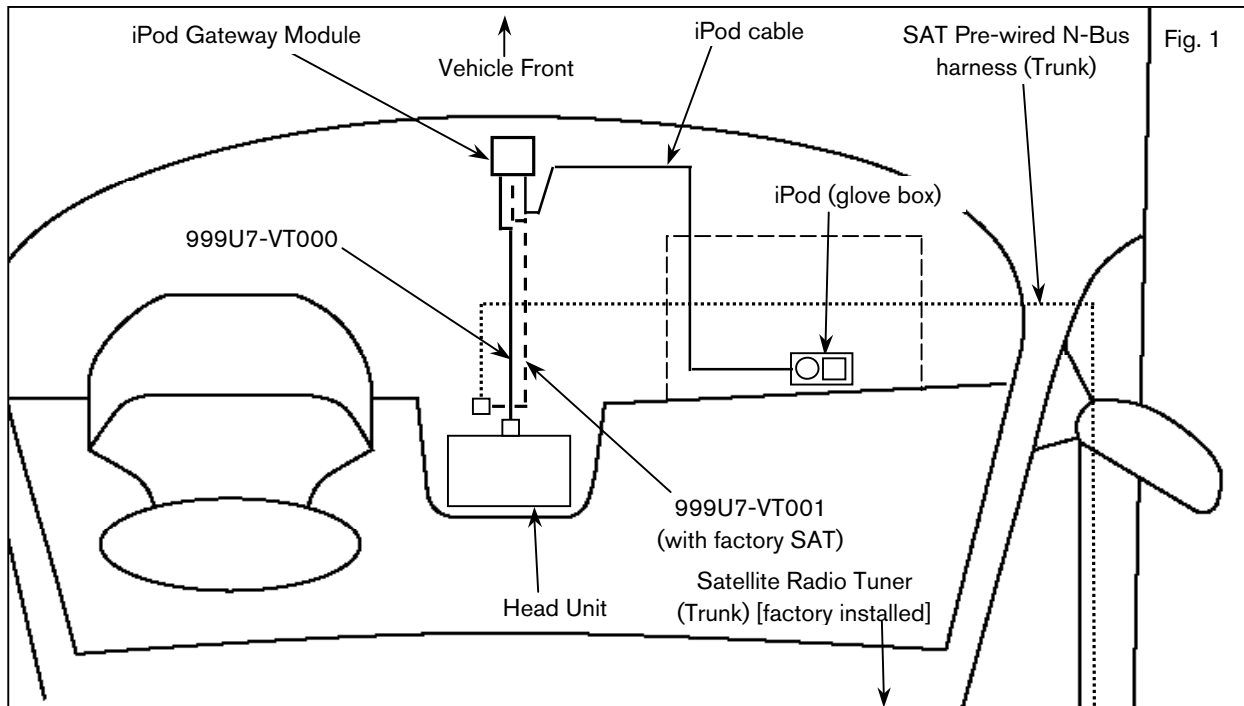
6. TOOLS & MATERIALS REQUIRED:

- | | |
|------------------------------|-------------------------------|
| 1. Phillips screwdriver (#2) | 6. 1/4" driver w/ 10mm socket |
| 2. Electrical tape | 7. Plastic Pry bar |
| 3. Masking Tape | 8. PGF Stick |
| 4. Drill | 9. Diagonal Cutter |
| 5. 1/8", 11/16" drill bits | |

7. CRITICAL INSTALLATION STEPS:

- 1) Ensure the installed harnesses are pulled even with the **shortest** existing audio harnesses.
- 2) The iPod module placement is important to avoid clearance problems. It needs to be installed to the right of center of the rising metal feature.
- 3) The iPod cable routing needs to be followed as described to avoid interferences.

8. INSTALLATION OUTLINE:



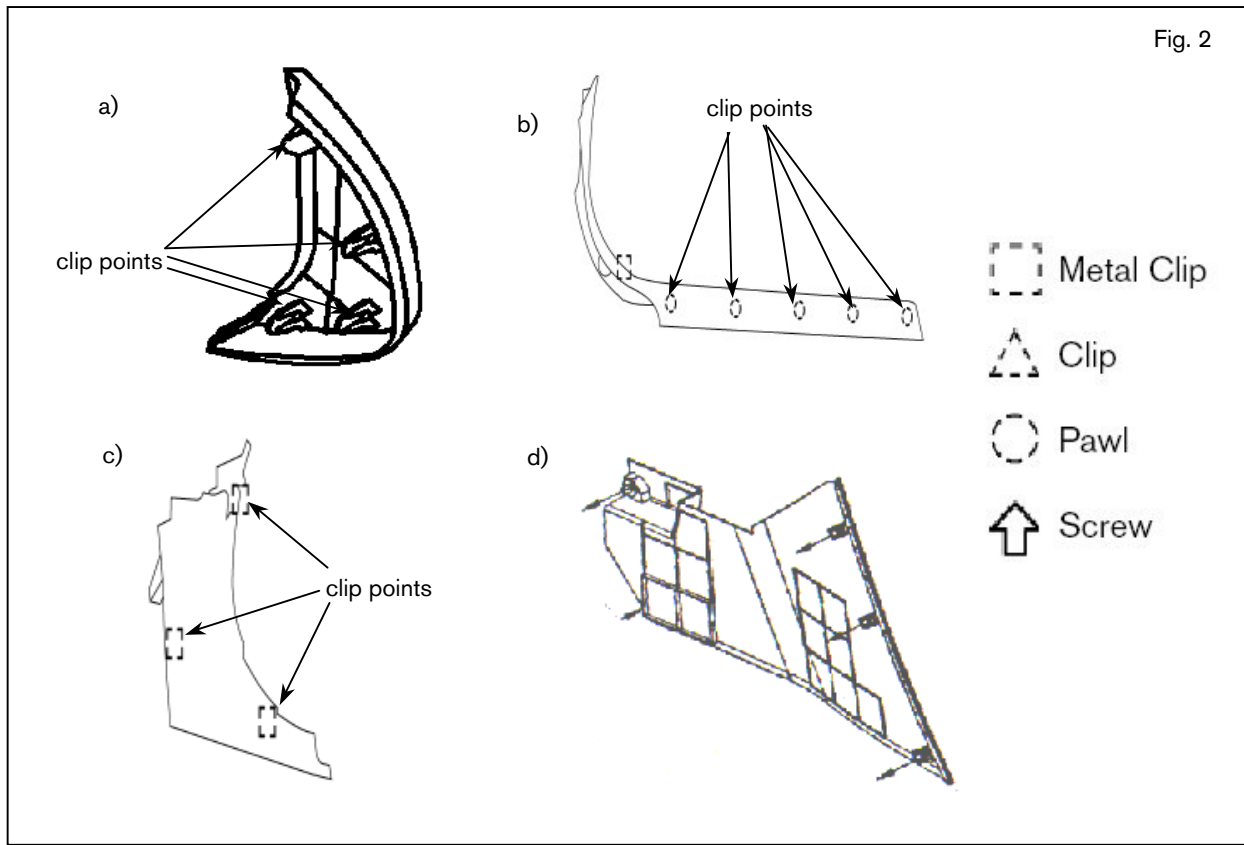
9. VEHICLE PREPARATION:

- (1) Apply parking brake.
- (2) Record the customer radio presets.

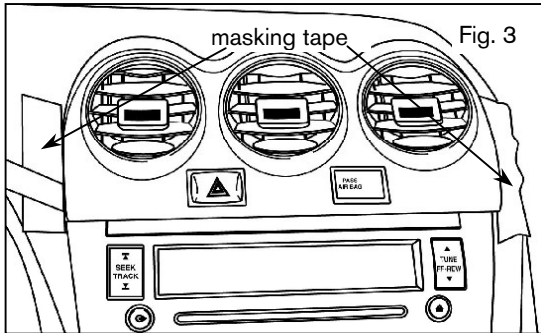
Preset	1	2	3	4	5	6	7
A							
B							
C							

- (3) Make sure that the shift lever is engaged in the "P" position.
- (4) Turn the ignition switch OFF
- (5) Open engine hood.
- (6) Disconnect the battery negative terminal to prevent short circuits during installation.
- (7) Remove the following interior parts as shown in Fig. 2 (Refer to vehicle service manual)

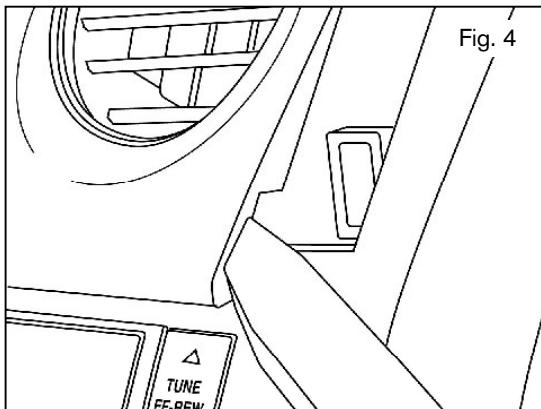
- a) RH Instrument Side Mask
- b) RH Front Kicking Plate
- c) RH Dash Side Lower Finisher
- d) RH Console Side Finisher



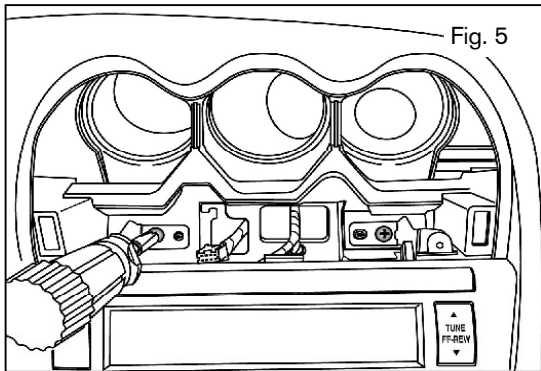
10. TRIM REMOVAL:



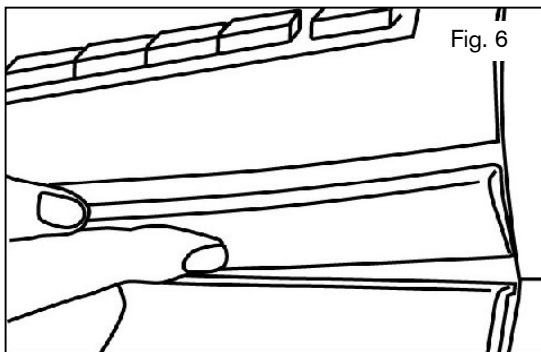
(1) Add masking tape outside the edges of the center ventilator grills. Fig. 3



(2) Remove center vent grills with PGF stick starting at the lower corners and work up. Fig. 4



(3) Remove the head unit bracket from the frame. Fig. 5

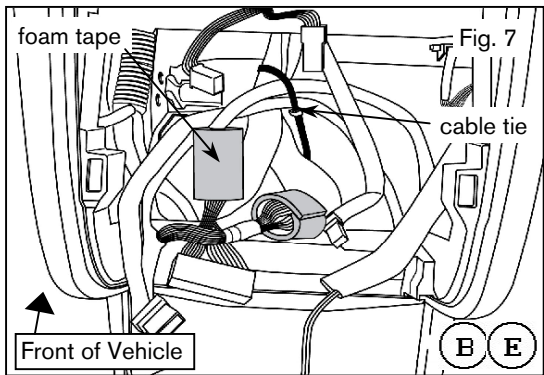


(4) Remove cluster lid D to expose the screws. Fig. 6

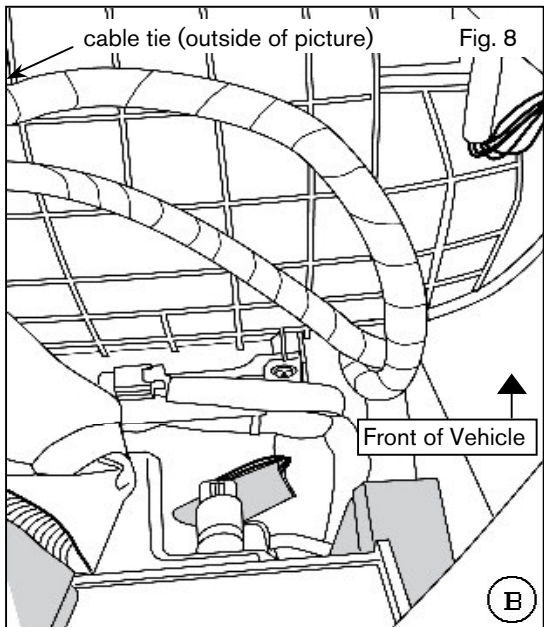
(5) Unscrew remain fasteners securing head unit.

(6) Remove head unit. Disconnect all harnesses from head unit and heater controls.

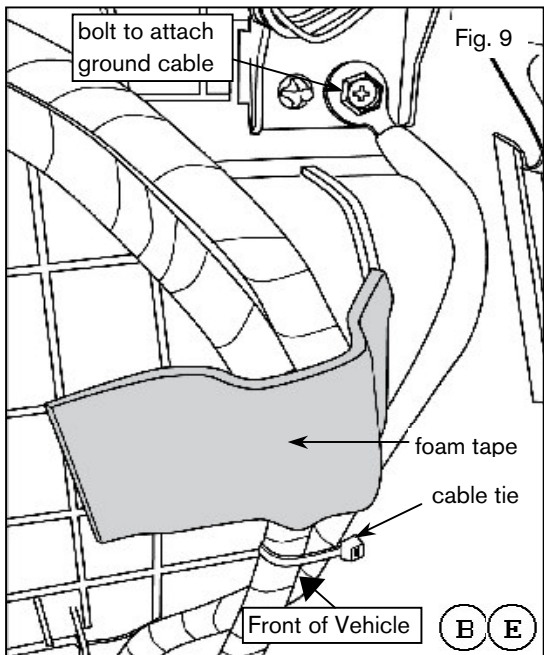
11. CABLE ROUTING (iPOD GATEWAY & SATELLITE RADIO):



- (1) Attach connector of iPod gateway harness to the main harness. Fig. 7
- (2) Attach the connector of the satellite radio harness to the N-Bus behind the head unit. Fig. 7
- (3) Secure harnesses to existing harness with one (1) cable tie. Before cinching pull the harnesses even with the **shortest** existing audio harnesses. Fig. 7

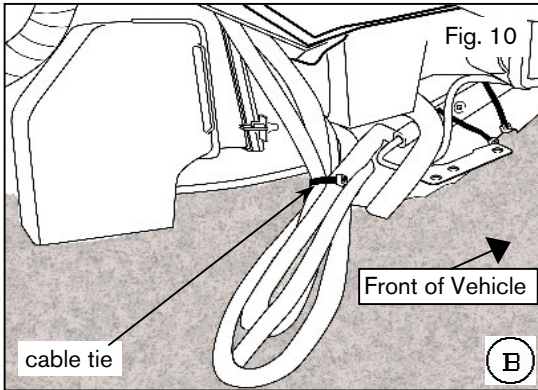


- (4) Wrap one (1) piece of foam tape around the connectors of the satellite radio harness and pre-wired N-Bus. Fig. 7
- (5) Secure harnesses to the plastic wall at the RH side of the head unit cavity with one (1) piece of foam tape and route to floor. Fig. 8 & 9



- (6) Take the ground cable tear taped to the N-bus harness and route towards the RH side of the head unit cavity.
- (7) Using a 10mm socket remove the nut on the ground point below the steering member assembly. Attach eyelet connector and tighten nut. Fig. 9
- (8) Secure ground cable to the harnesses with one (1) cable tie. Fig. 9
- (9) Secure harnesses with one (1) cable tie in-between the first cable tie and foam tape. Fig. 8

- (10) Connect both of the iPod gateway harness connectors to the head unit. Place head unit back into place.



(11) Route harnesses down and towards the front of the vehicle. Fig. 10

(12) Route to the right of the duct near floor.

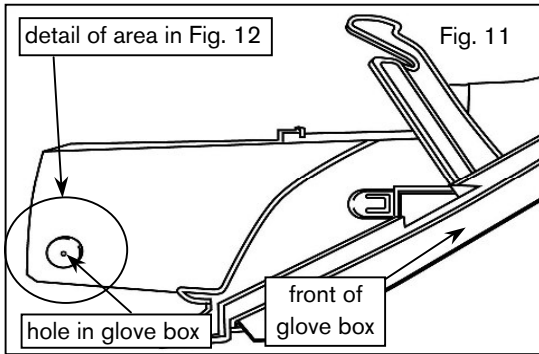
(13) Continue routing to front of vehicle under instrument panel to module mounting location. Fig. 10

(14) Allowing enough slack to make the connection, bundle the harnesses and secure with one (1) cable tie. Fig. 10

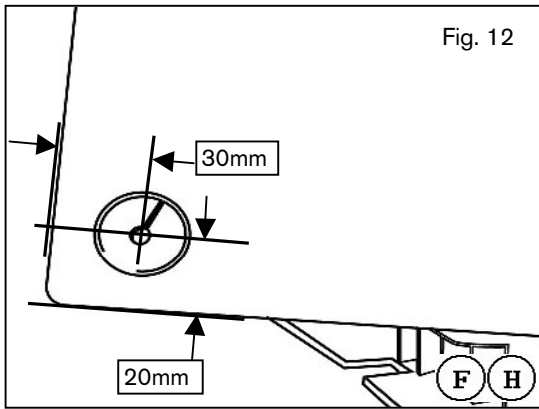
NOTE:

The drain hose can be removed to assist routing the harnesses.

12. CABLE ROUTING (iPOD CABLE):



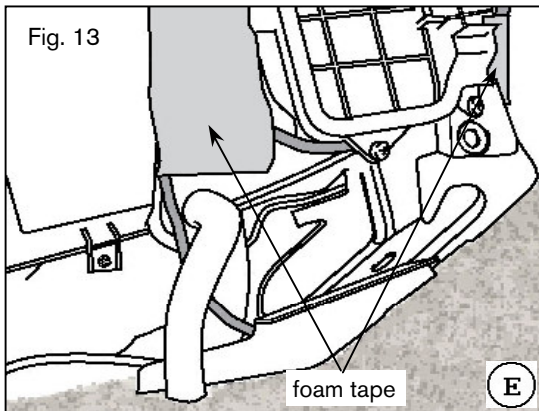
(1) Drill a 1/8" pilot hole on the LH side of the glove box 30mm +/-2mm (1.2in) from the back edge and 20mm +/-2mm (0.75in) from the bottom edge of the box. Open up the hole to 11/16". Fig. 11 & 12



(2) Mark the iPod cable 970mm +/- 25mm (38.2in +/- 1in) from the iPod connector (rectangular connector) with electrical tape.

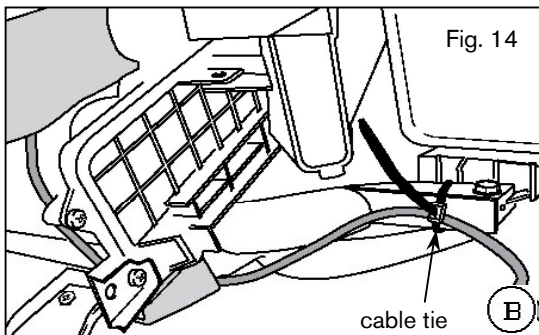
(3) Start routing iPod cable from inside of glove box with DIN (barrel shaped) connector end. Route out of glove box through the drilled hole. Fig. 12

(4) Place split grommet over wire and feed into drilled hole in glove box. A PGF stick or other plastic prying tool may be helpful. Fig. 12



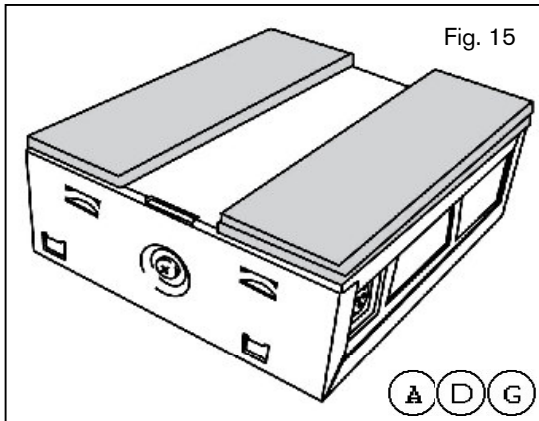
(5) From the module end (DIN connector) route iPod cable slightly towards the rear of the vehicle. Then route up to the above ducts. Continue to route towards the front of vehicle under microfilter opening. Fig. 13

(6) Secure cable with two (2) foam tapes. Fig. 13

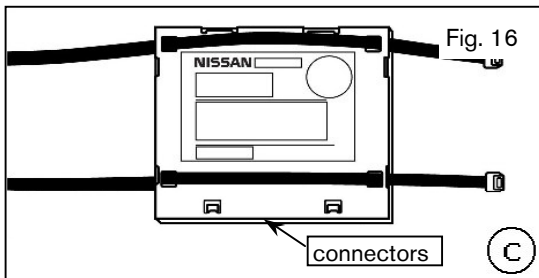


(7) Route cable up to small plastic beam and secure (on tape mark) with one (1) cable tie. Fig. 14

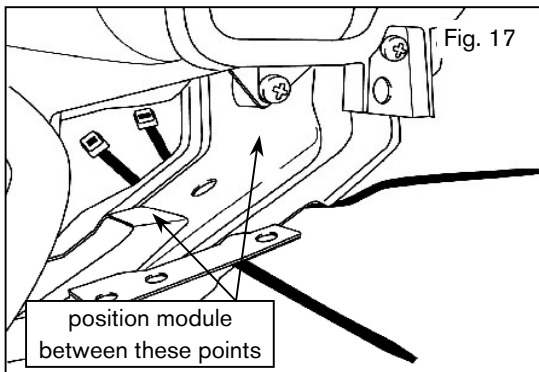
13. IPOD GATEWAY MOUNTING:



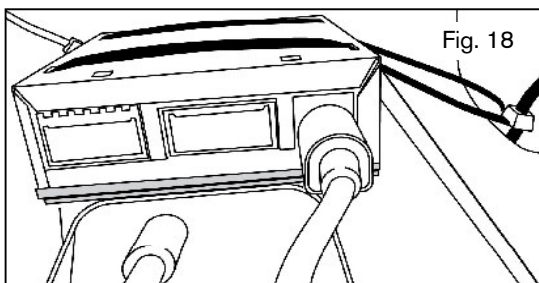
- (1) Clean the bottom of the module and mounting location with provided alcohol wipe .
- (2) Cut the double sided tape into three equal pieces.
- (3) Stack two (2) pieces of double sided tape on the connector end on the bottom of the module. Place the other piece on the opposite end on the bottom. Fig. 15



- (4) Thread the two (2) large cable ties through the holes in the chassis from right to left (label facing up). Ensure that the cable ties are not pulled through completely. Leave about 2.5-3 inches (63.5mm-76.2mm) of slack on the right side. Fig. 16



- (5) Route two (2) large cable ties from left to right under the metal structure along the carpeted area in the front most part of the cabin. Fig. 17

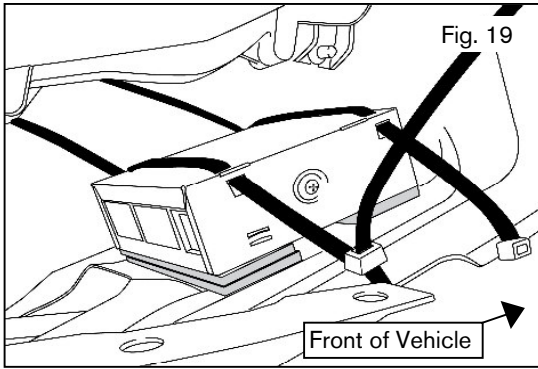


- (6) Before mounting permanently, connect the iPod cable and ensure clearance of the rising metal feature near the mounting location. Fig. 17 & 18

- (7) Module should fit in low flat area between the rising metal feature to the front and rear. Fig. 17 & 18

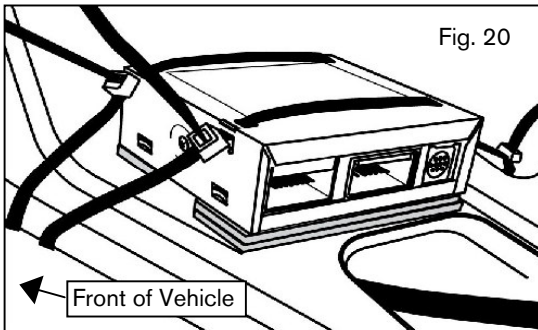
NOTE:

The module may need to be positioned to the right of center to have the clearance. Fig. D



(8) Confirm the mounting location then remove the tape liner and put the module into place on the sheet metal. Fig. 19 & 20

(9) Apply equal pressure to the module for at least 20 seconds. After attaching to metal frame let the module sit for 5 minutes to ensure good adhesion before applying any shear pressure.



(10) Connect the pre-threaded cable ties to the cable ties routed under the sheet metal. Fig. 19 & 20

(11) Tighten cable ties down.

(12) Connect the routed cables/harnesses to the connectors on the iPod module.

NOTE:

When re-installing the glove box any slack needs to be pulled out. When putting the glove box in place pull the cable from the inside of the glove box.

14. OPERATION CHECK:

- (1) Connect the battery negative terminal.
- (2) Turn vehicle ignition switch to the "ACC" position.
- (3) Reference the vehicle specific Satellite Radio Installation Instructions for further information. If Satellite radio was part of installation turn radio on then select satellite radio mode. Acquiring (Sirius) or Loading (XM) will display for a while. If not, move vehicle to outside and try again.
- (4) If Satellite radio was part of installation tune to preview channel (XM: channel "1" / Sirius: channel "184") to make sure receiving preview channel correctly. For Sirius tuner installations the preview channel may not be accessible. For further information reference the Operation Check section of the vehicle specific Satellite Radio Installation Instructions.
- (5) Confirm proper audio operation. (AM / FM / SAT / TAPE / CD)
- (6) If no iPod is present the head unit display should show "NO IPOD". If an iPod is connected to the system a check mark should be displayed on the iPod screen and audio should start playing in 5-20 seconds.
- (7) A full diagnostic tree is available on the next page for troubleshooting the system.

15. REINSTALLATION OF REMOVED PARTS:

- (1) Re-install all removed vehicle parts referring to the service manual for the vehicle.

 **CAUTION**

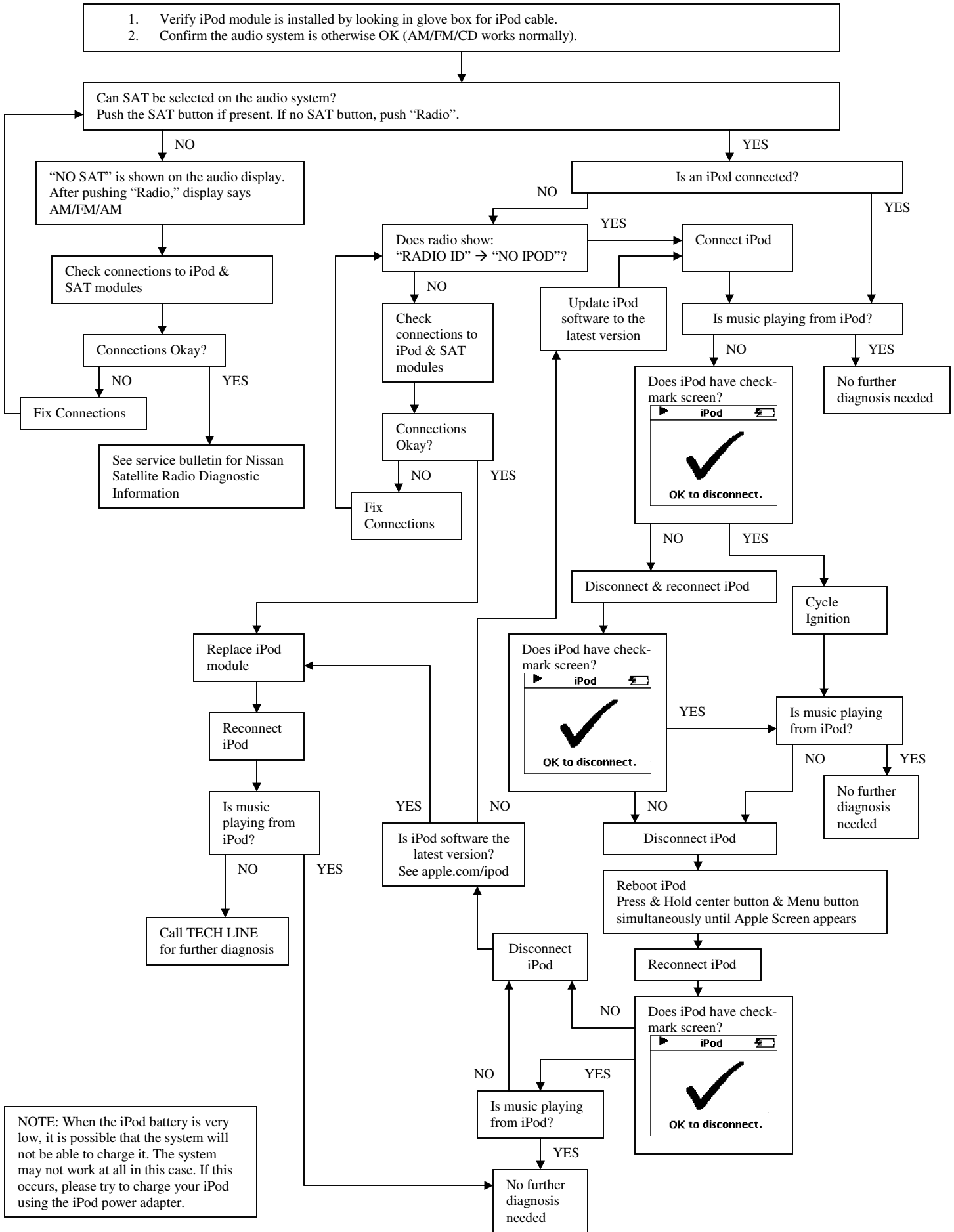
Use caution when re-installing interior components to avoid damage, scratches, or breaking of mounting clips. Refer to the vehicle specific service manual for more information.

- (2) Clean interior of vehicle.

16. FINAL INSPECTION:

- (1) Inspect the vehicle interior and exterior for damage.
- (2) Confirm proper operation of vehicle systems.
- (3) Reset radio presets to the recorded settings.
- (4) If equipped, verify proper sunroof operation and perform the reset procedure if necessary. Refer to Service Manual requirements.
- (5) Place the Owners Manual and Quick Reference Card in the glove box.
- (6) Check the trim for a proper flush fit after re-installing the interior components.

NISSAN IPOD INTERFACE DIAGNOSTIC FLOW CHART



NOTE: When the iPod battery is very low, it is possible that the system will not be able to charge it. The system may not work at all in this case. If this occurs, please try to charge your iPod using the iPod power adapter.