



GENUINE PARTS

INSTALLATION INSTRUCTIONS

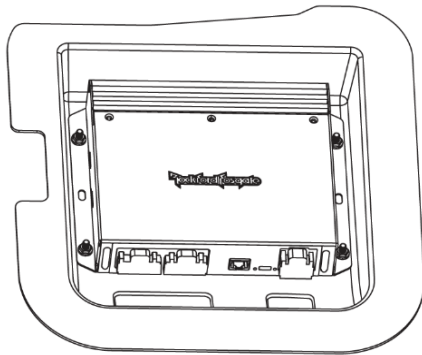
DESCRIPTION: ROCKFORD FOSGATE PREMIUM AUDIO SYSTEM

APPLICATION: Nissan Versa Note

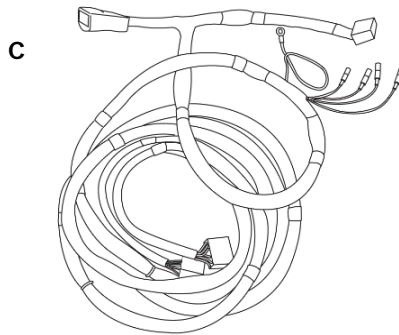
PART NUMBER: 999U4-45050

KIT CONTENTS:

Item/s	QTY	Part Description	Part Number
A-D	1	ROCKFORD FOSGATE PREMIUM AUDIO SYSTEM KIT	999U4 45050
A	1	FLEX41 AMPLIFIER KIT ASSEMBLY, with amp prefastened to tray, attached ground wire, 3 each (100 x 50mm) and 1 each (200 x 100mm) foam tapes and cutting template included.	999U4 45060 S1
B	1	SUBWOOFER KIT ASSEMBLY [Kit includes items (B1-B4)]	N/A
B1	1	Subwoofer (Service part number includes only the subwoofer)	999U4 45020 S1
B2	1	Left Mounting Wing	Service part number includes items (B2-B3)
B3	1	Right Mounting Wing	
B4	2	Thumb Screws	
C	1	T-HARNESS KIT, with 15 each (10 inch) cable ties, and 3 each (100 x 70mm) foam tapes included.	N/A
D	1	Installation Instruction Replacement Template	999V2 AW000
E	0	This Installation Instruction on the Web	999U4 45050 II



A



C

Important: Read Before Installation!

Dealer Installation Recommended.

WARNING

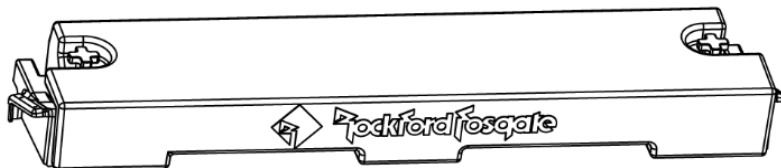
To avoid serious personal injury or property damage, obtain the Installation Instructions before attempting to install this accessory. The Installation Instructions provide the necessary procedures for a safe installation.

CUSTOMER INTERNET DOWNLOAD INSTRUCTIONS: Customers can obtain Installation Instructions for Infiniti or Nissan vehicles at www.infiniti-techinfo.com or www.nissan-techinfo.com respectively. From the home page, select Necessary Instructions. Select your Model, Model Year, and Accessory Type or search for your Model, and/or Model Year, and/or Accessory Type including Keyword or Part Number; then locate the Instructions for your accessory.

DEALER ASSIST DOWNLOAD INSTRUCTIONS: Dealership technicians can locate the Installation Instructions for this accessory by scrolling to and select "Acc. Install Instructions" tab. Always download and use latest version of the Installation Instructions.

INSTALLATION INSTRUCTIONS Preparation Template: 999V2 AW000 Rev. 04/2012

D



B

TOOLS AND SUPPLIES REQUIRED:

- 1/4 in. or 3/8 in. Drive Socket Ratchet
- #2 Phillips screw driver
- Cutting tool for EPP luggage tray
- 8 & 10mm Sockets and Wrenchs
- Torque wrench
- Battery service tools
- Cutting tool for trim panel
- Cable tie cutter
- Electrical Tape
- Flashlight

PRE-INSTALLATION WARNINGS, CAUTIONS, CRITICAL STEPS, and NOTES:

- Dealer Installation Recommended. Instructions may refer to Service Manual.
- Installation requires special tool(s).

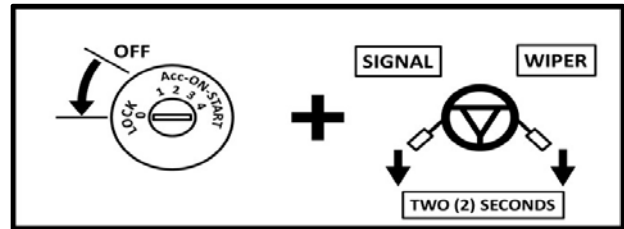
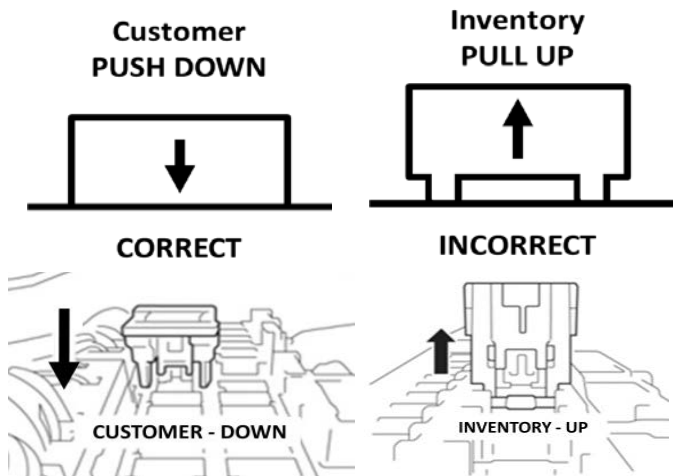
Vehicle Preparation:

CAUTION

• Always confirm the ignition is in the "OFF" position before changing the switch condition.

- 1) Apply parking brake
- 2) Confirm vehicle is not in the default shipping state or "Inventory position" as shown below. Failure to confirm vehicle has been removed from this state will result in loss of normal vehicle operation.
- 3) Locate Extended Storage Switch in cabin fuse block. Confirm it is in the "Customer" position. See below for reference.
 - a) To remove transit mode (Fuse Block):
 1. Remove fuse cover lid.
 2. Push down shorting pin.
 3. Ign On 2 times without starting the vehicle.
 - b) To remove transit mode (BCM):
 1. Confirm ignition switch is in "OFF" position.
 2. Simultaneously push the signal and wiper switch fully down for two (2) seconds.

NOTE: While in BCM Transit Mode, turn signal indicators will remain illuminated for one minute.



- c) To return to transit mode for storage:
 1. Ign Off.
 2. Remove fuse cover lid.
 3. Pull up shorting pin.
 4. Assemble fuse cover lid.
 5. Ign On 2 times without turn the vehicle on.
 6. Confirm transit mode condition on meter

NOTE: Typical vehicle condition shown above. Switch is easily identifiable by the permanent, push-pull fuse holder. Actual position on the fuse block may vary, vehicle to vehicle.

Condition	Switch Position	Note
Vehicle is delivered to the dealer	Inventory Condition	
Technician performs PDI	Customer Delivery	Return to Inventory position after PDI.
Customer test drives the vehicle	Customer Delivery	Return to Inventory position after test drive.
Vehicle is being stored at the dealer	Inventory Condition	
Vehicle is delivered to customer	Customer Delivery	

NOTE: The Extended Storage Switch is only an aid to improve battery life during vehicle storage at the dealer. If the Extended Storage Switch fuse ever needs service after vehicle delivery, discard the Extended Storage Switch and install the correct fuse in its place.

- 4) Turn ignition switch to "ON" position
- 5) Record the customer radio presets and other presets as required.

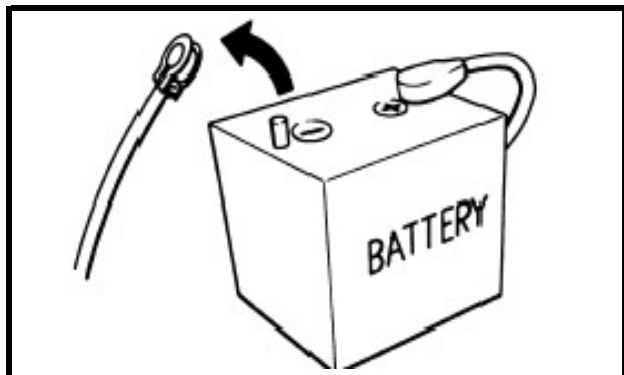
Preset	1	2	3	4	5	6		
A								
B								
C								
D								

- 6) Put shift lever in "P" position for A/T and CVT or "1st" for M/T
- 7) Turn ignition switch to "OFF" position
- 8) Use seat, floor and instrument panel protection.

INSTALLATION PROCEDURE: PRE-INSTALLATION CAUTIONS / NOTES

⚠ CAUTION

- Allow 3 min after key off and doors closed for vehicle to time out. Allow an additional 3 min after negative terminal disconnect before separating any electrical connectors.



- 10) Disconnect all negative (-) battery terminal/s.
- 11) This part is to be reinstalled at surface temperature of between 18-38 °C (65-100 °F).

⚠ CAUTION

- Battery terminal nut torque is 5 Nm for reinstallation.

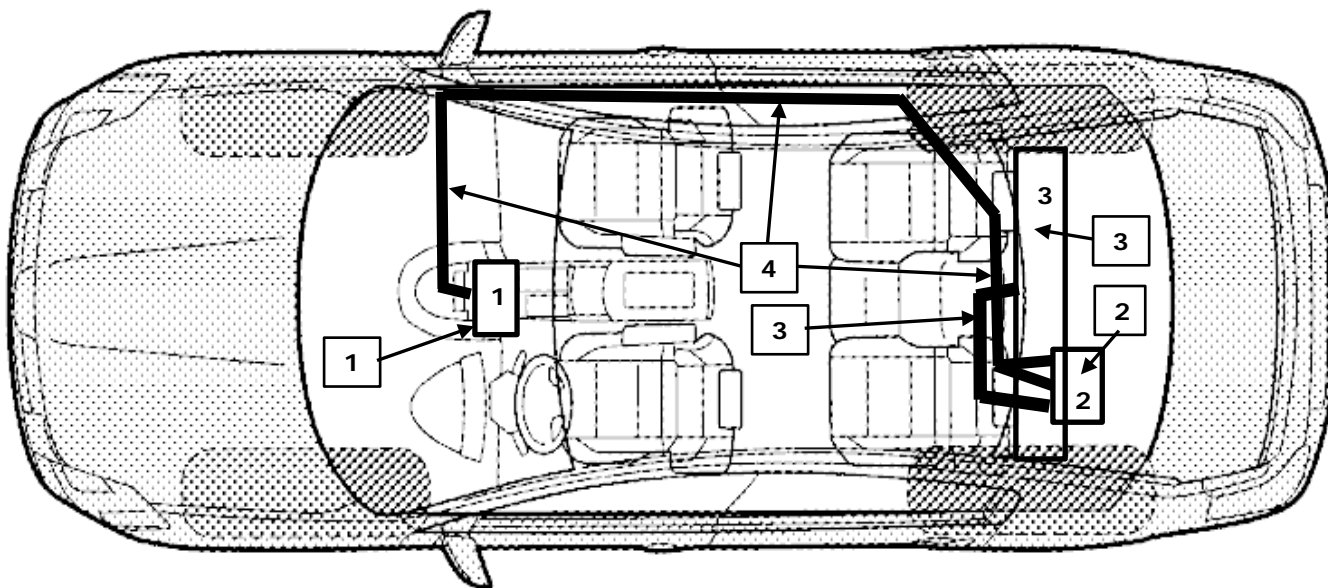
⚠ CAUTION

- Take care not to scratch or damage any component during the removal or re-installation process.
- Trim pieces found to have witness marks or broken clips are not to be reinstalled.
- Additional items in cargo area may need to be removed.
- Always remove vehicle parts in the sequence they are shown, improper procedure can damage parts.
- Store removed parts in a safe and protected manner.

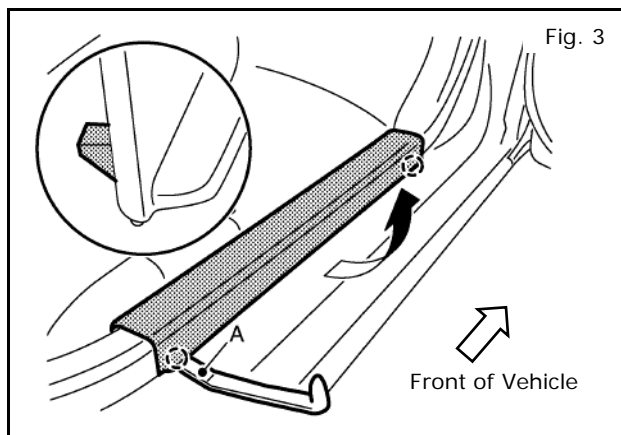
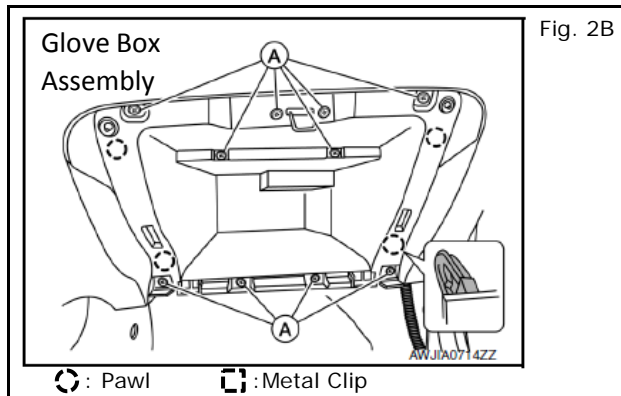
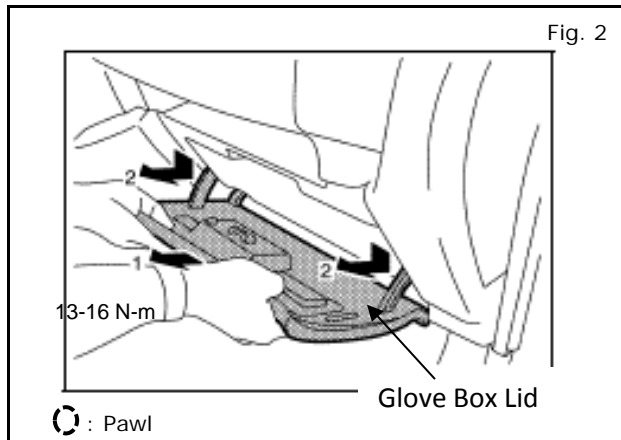
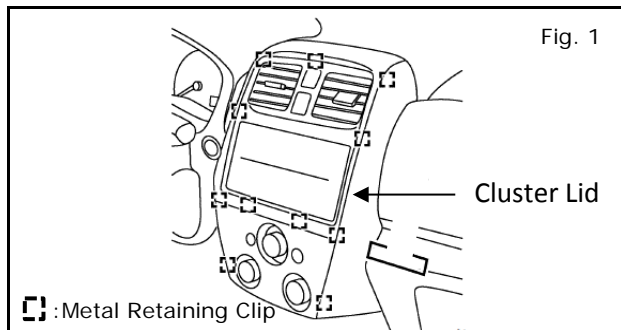
INSTALLATION OVERVIEW:

Components:

- 1.) Head Unit (Installed Radio)
- 2.) Amplifier (With attached pigtail ground wire in line to connect into the vehicle connected ground wire)
- 3.) Subwoofer (With attached pitail in line to connect directly into the Amplifier)
- 4.) T-Harness (Connects between Head Unit & Amplifier)



INSTALLATION PROCEDURE: (continued)



Removal of Cabin Interior Trim Items:

- 1) Removal of cluster lid:
 - a) Release the 11 cluster lid retaining clips (☐) using a suitable tool to pry perimeter edge of lid loose. (Figure 1)
 - b) Disconnect harness connectors from cluster lid, remove it and store in a secure place.

⚠ CAUTION

- Be careful not to scratch instrument panel pad or other adjacent interior parts. Mask off as necessary.

- 2) Remove glove box lid.
 - a) Open glove box lid.
 - b) Pull glove box lid rearward and glove box lid hinges down and rearward to release, then remove the glove box lid, and store in a secure space. (Figure 2)
 - c) Disconnect glove box damper (if optionally equipped).

- 3) Remove glove box assembly.
 - a) Remove 10 glove box assembly screws (A), with #2 philips screw driver.
 - b) Pull glove box assembly rearward to release pawls and remove, store in a secure place. (Figure 2B)

⚠ CAUTION

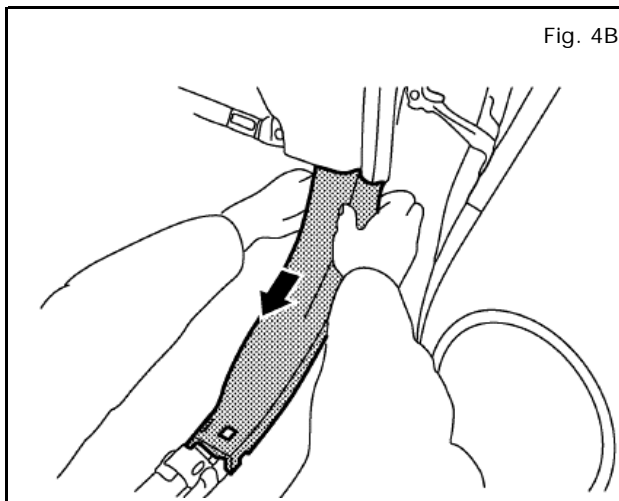
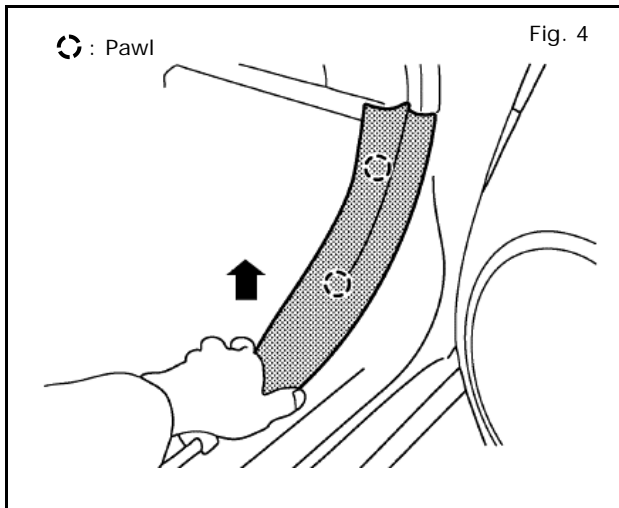
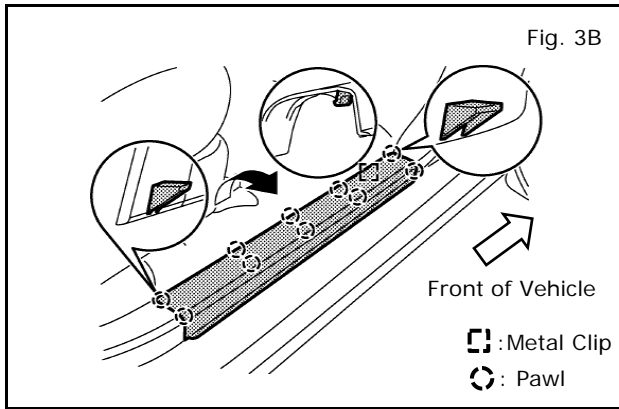
- When reinstalling the 10 glove box assembly screws. Take care to not to overly hand tighten or strip out these retaining screws. Torque specification is 2.45 +/- 0.59 Nm

- 4) Release passenger side front kicking plate pawls and metal clip (Figure 3B) using trim removal tool (A). (Figure 3)
- 5) Remove front kicking plate as shown, and store in a secure place.

⚠ CAUTION

- Visually check the clips and pawls for deformation and damage during installation.
- When installing front kicking plate, check that clips and pawls are securely placed into body panel holes. (Figure 3B)

INSTALLATION PROCEDURE: (continued)



Removal of Cabin Interior Trim Items: (continued)

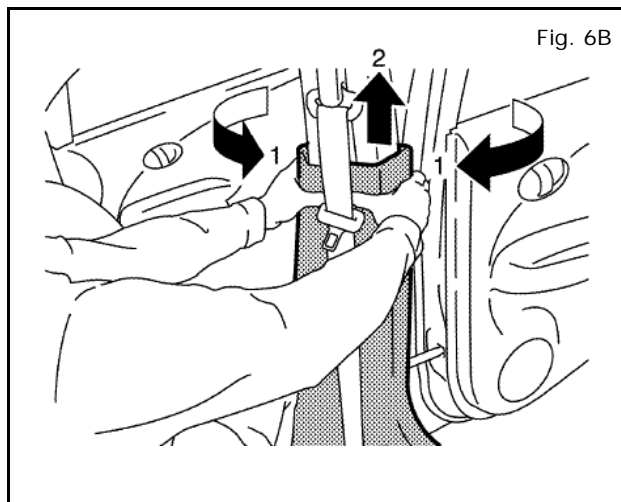
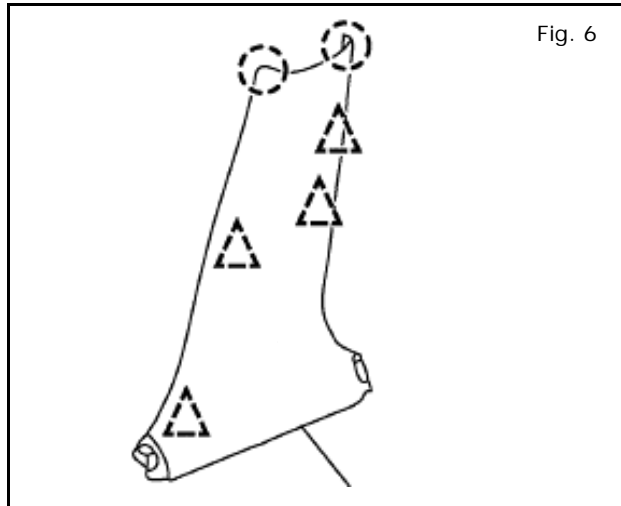
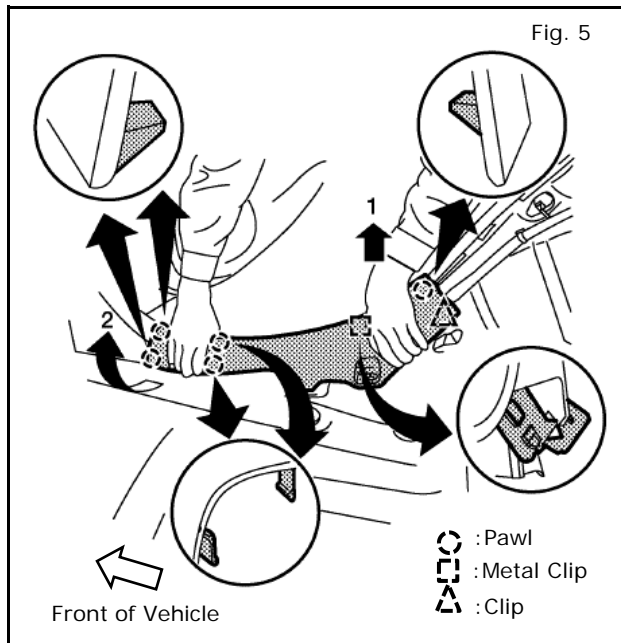
6) Lift up rear end of dash side finisher to release pawls. (Figure 4)

7) Pull dash side finisher straight back to release dash side finisher from stud (Figure 4B) and remove; store in a secure place.

⚠ CAUTION

- Visually check the pawls for deformation and damage during installation.
- When installing, check that finisher is aligned with stud bolt located on floor panel.
- When installing dash side finisher, check that pawls are securely placed into body panel holes.

INSTALLATION PROCEDURE: (continued)



Removal of Cabin Interior Trim Items: (continued)

- 8) Removal of rear kicking plate.
- a) Lift rear end of rear kicking plate to release metal clip, then rotate front end of rear kicking plate to release pawls (Figure 5) and remove; store in a secure place.

- 9) Remove center pillar lower finisher.
- a) Loosen all center pillar lower finisher retainers as shown. (Figure 6)

- b) Remove center pillar lower finisher as shown. (Figure 6B)

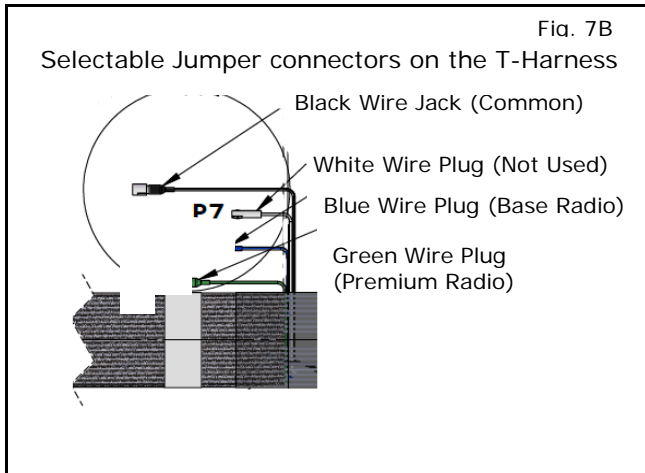
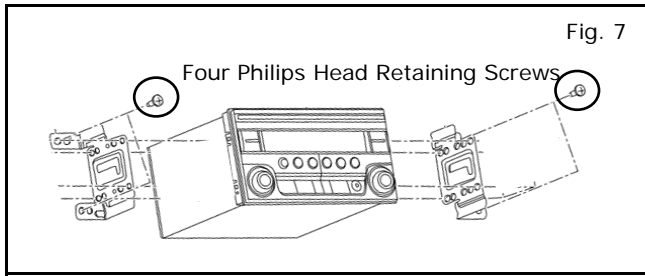
NOTE:

Ensure that you route the T-harness outboard of the seat belt as it passes behind the B-Pillar

CAUTION

- Visually check the pawls and clips for deformation and damage during installation. Replace components if necessary.

INSTALLATION PROCEDURE: (continued)



Determine which Radio (Head Unit) is in this Vehicle:

10) Remove the four philips head retaining screws around the Radio, as shown in (Figure 7), this will allow you to slide the radio in and out off its alignment posts.

Determine Radio type in your vehicle:

1. Use (Table 7A) to help determine what radio came with your vehicle from the factory based on version (S, SV, SR) level. This table and (Table 7B) gives the illustration, part number, radio manufacturer-supplier and the appropriate wire color female terminal plug connector to connect into the common black wire male terminal jack connector.
2. Additionally use figures (7C -and- 7D) to physically verify which radio you have in your vehicle.

CAUTION

*****NOTICE*** - Critical information needed to install the correct jumper connectors on the T-Harness shown in (Figure 7B). These connectors set the particular preprogrammed amplifier equalization software configuration that will be utilized for your installation.**

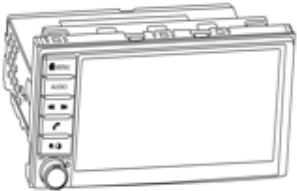

Notes:

- 1) The equalization selection connectors are located on the T-Harness at ~18 inches (450mm) behind the "T" junction to the radio inline connectors.
- 2) Amplifier equalizations are laboratory tuned for

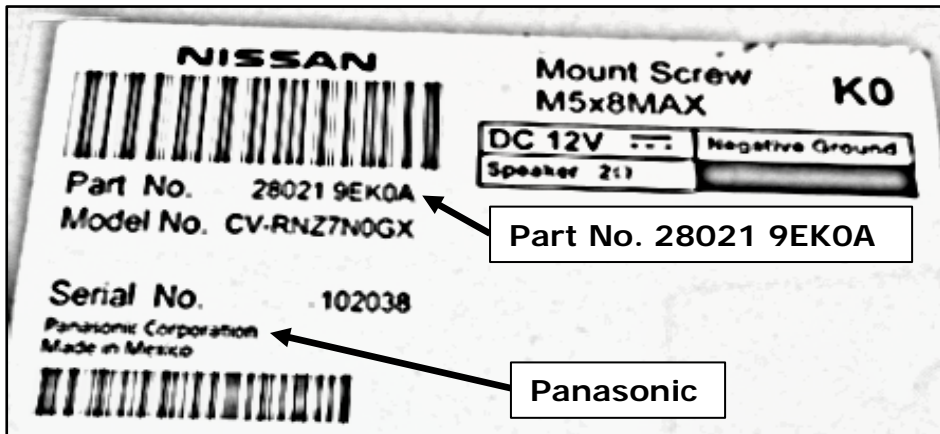
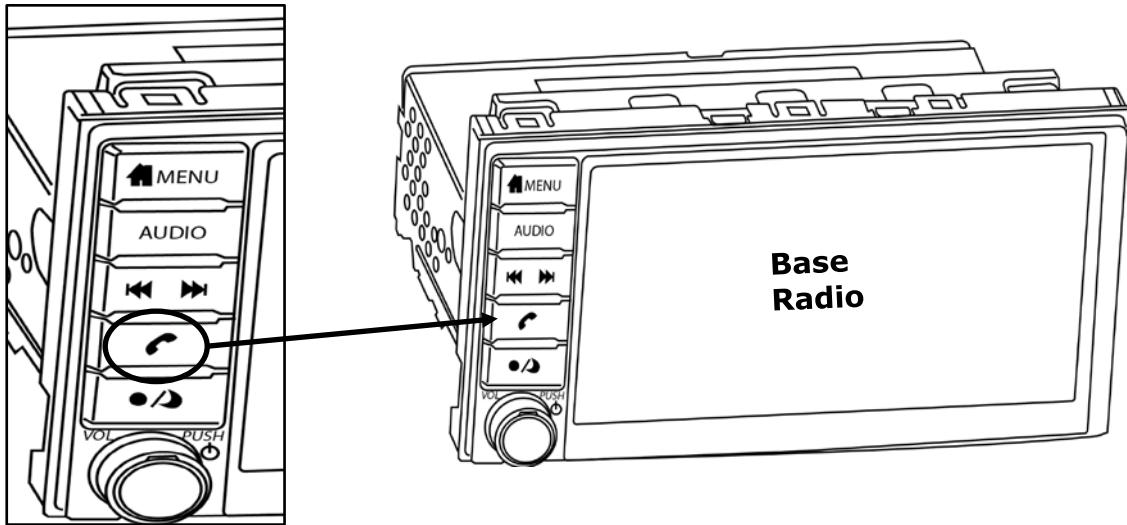
Table 7A

Audio / Telematics / Navigation / Entertainment	Versa Note Hatchback (USA)			Versa Note Hatchback (CAN)					T-Harn. Plug
	S	SV	SR	S	S	SV	SV	SR	
Available Vehicle Radio Description / Application	CVT	CVT	CVT	MT	CVT	MT	CVT	CVT	Blue Plug
Base - Low DA, 7" Display, AM/FM/Aux-In/USB (Panasonic)	S	S	NA	S	S	S	S	NA	Green Plug
Premium - Non-NAVI, A-IVI, 7" Display, AM/FM/SAT RADIO/USB (2), CAR PLAY/ANDROID AUTO (Bosch)		O	S				O	S	

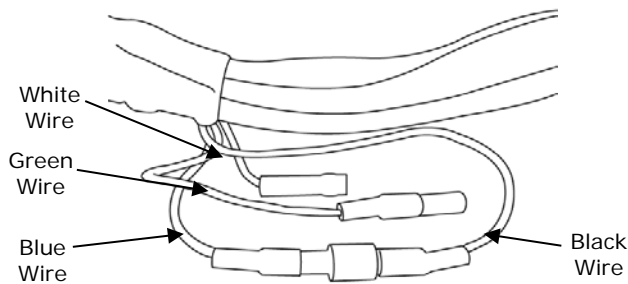
Table 7B

Illustration of Radio (Head Unit)	NA		
Head Unit Nickname	No Jumpers selected	Base Display Audio Radio	Premium AIVI Radio
Nissan Part Number	NA	28021 9EK0A	2591A 5UD0A US 2591A 5UD0B CAN
Supplier - Manufacturer	NA	Panasonic	Bosch
Jumper Plug - Wire Color	None	Blue	Green
Jumper Jack - Wire Color	None	Black	Black

Low DA, 7" Display, AM/FM/Aux-In/USB (FOR US/CAN)
 - Base radio head unit. Supplier: Panasonic (**Blue Wire Plug**)



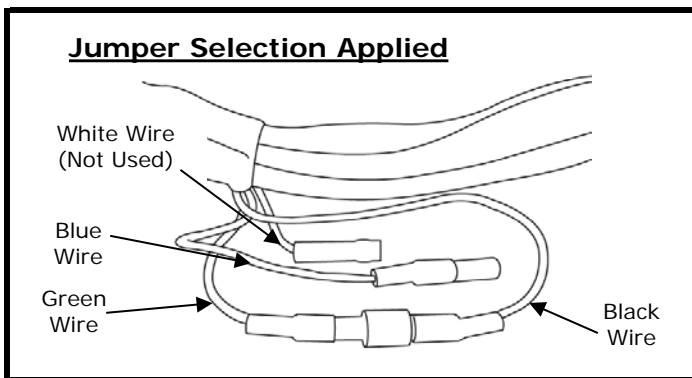
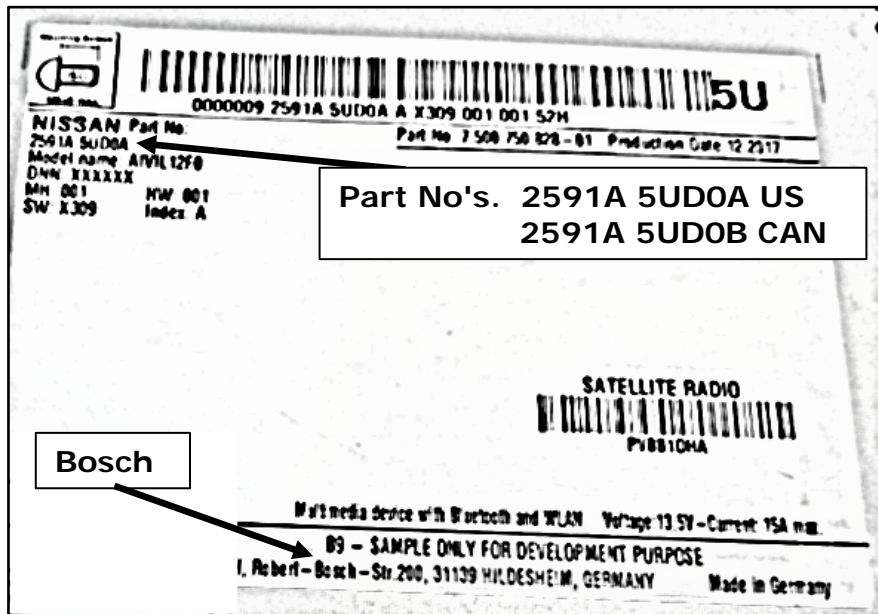
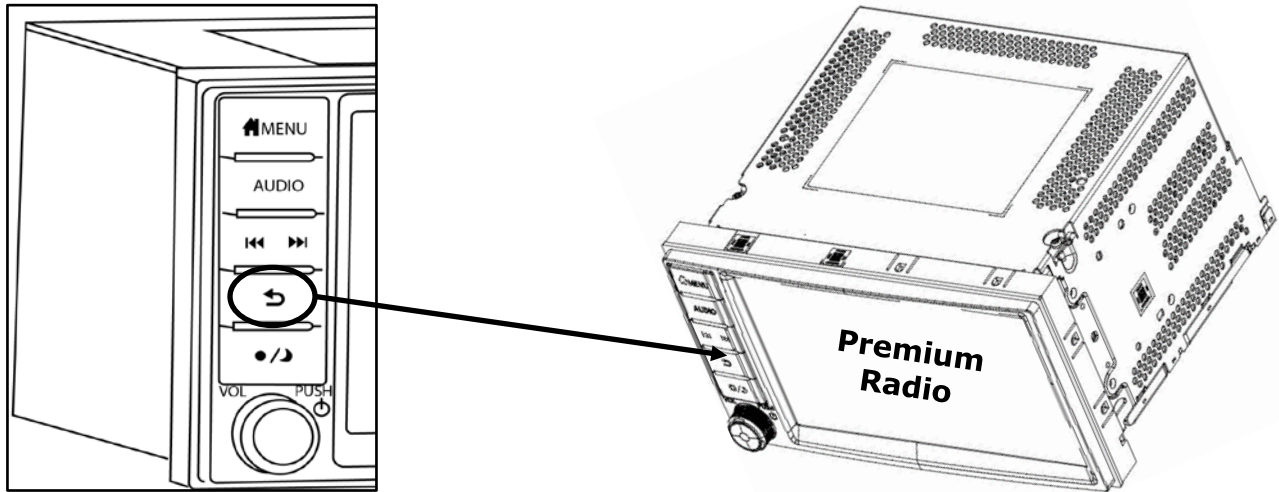
Jumper Selection



<u>Radio Type</u>	<u>Radio Manufacturer / Part Number</u>	<u>T-Harness Equalization Wire Color</u>
Base Radio	Panasonic / 28021 9EK0A	Blue Wire Female Terminal

Non-NAVI, A-IVI 7" Display, AM/FM/SAT RADIO/USB (2), CAR PLAY/ANDROID AUTO (FOR US/CAN)

- Premium radio head unit. Supplier: Bosch **(Green Wire Plug)**



<u>Radio Type</u>	<u>Radio Manufacturer / Part Number</u>	<u>T-Harness Equalization Wire Color</u>
Premium Radio	Bosch / 2591A 5UD0A (US) 2591A 5UD0B (CAN)	Green Wire Female Terminal

INSTALLATION PROCEDURE: (continued)

Fig. 8

Radio Type	Radio Manufacturer / Part Number	T-Harness Equalization Wire Color
Base	Panasonic 28021 9EK0A	Blue
Premium	Bosch 2591A 5UD0A (USA) 2591A 5UD0B (CAN)	Green

Determine T-Harness Jumper Configuration:

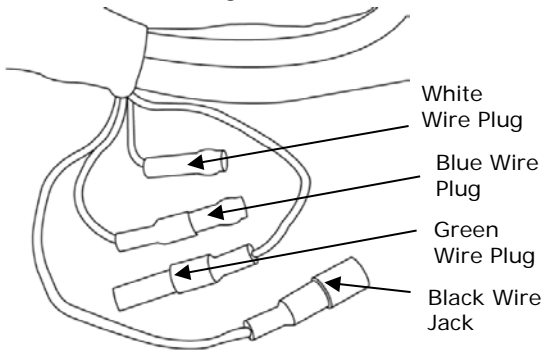
- 11) A dedicated software equalization profile preprogrammed into Rockford-Fosgate Amplifier for each of the two radio head units available on the Versa Note. Based on the radio in your vehicle you need to select which profile to use. (Figure 8) & (Table 7B)

These Plug and Jack selection jumper connectors are located on the T-Harness at ~18 inches (450mm) behind the "T" junction to the radio inline connectors.

(Figures 8B & 8C)

Fig. 8B

Plugs and Jack connectors



NOTE:

If one of these wire jumper connector pairs are not mated (no connections made) the Rockford amplifier system will default to playing sound out of only the right rear door speaker!

Selectable Jumper connectors on the T-Harness

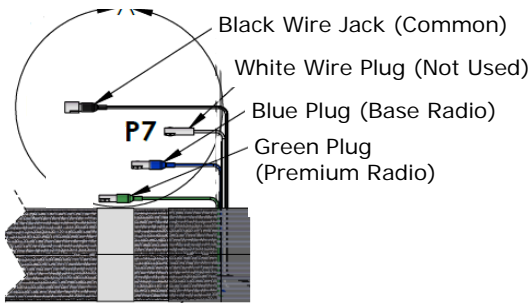


Fig. 8C

*****NOTICE*****

The difference in the two (2) radio faces is at the 3rd button down:

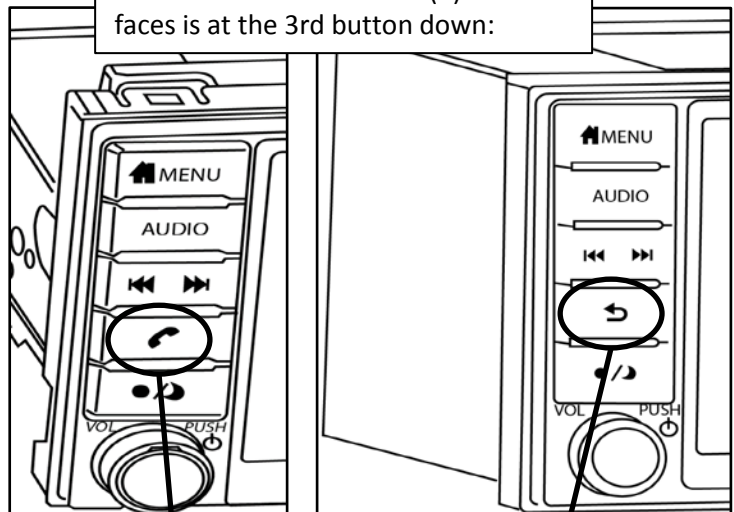
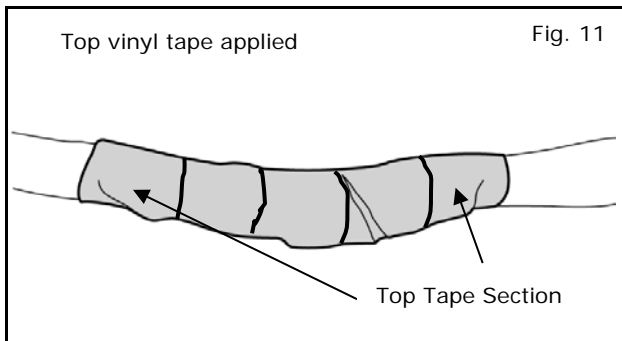
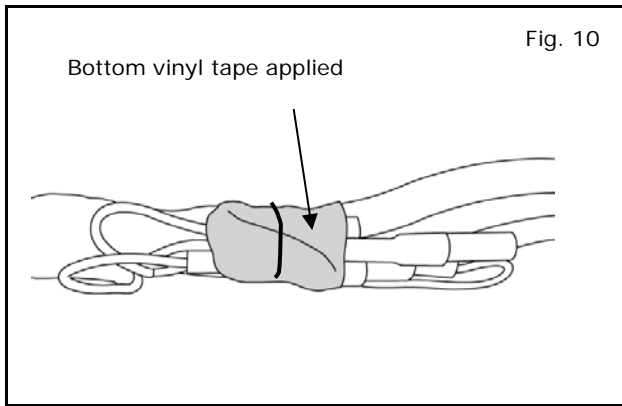
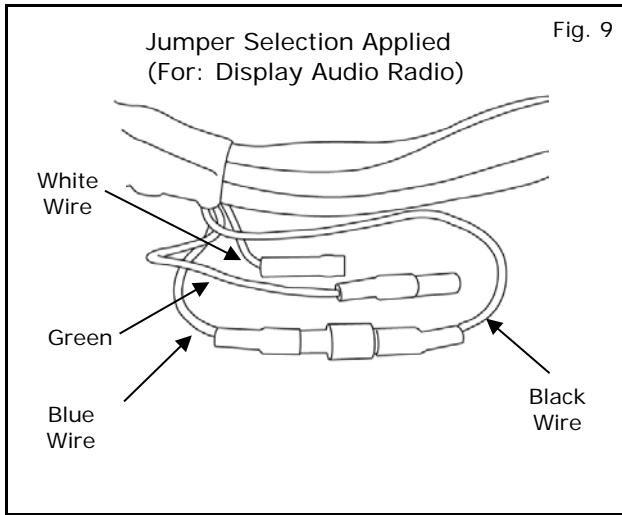


Table 7B

Illustration of Radio (Head Unit)	NA		
Head Unit Nickname	No Jumpers selected	Base Display Audio Radio	Premium AIVI Radio
Nissan Part Number	NA	28021 9EK0A	2591A 5UD0A US 2591A 5UD0B CAN
Supplier - Manufacturer	NA	Panasonic	Bosch
Jumper Plug - Wire Color	None	Blue	Green
Jumper Jack - Wire Color	None	Black	Black

INSTALLATION PROCEDURE: (continued)



Configure the T-Harness Equilization:

- 12) Connect the **proper** colored plug connector to "Jumper into" the common Black plug connector based on the radio head unit in your vehicle. (Figure's 8, 8B, 8C & 9)

NOTE:

Configuration for the Base Radio (Panasonic) Blue plug-to-Black jack is shown. (Figure 9)

CAUTION

*****NOTICES*****

- 1) The white wire jumper is not used for these installations. It's a spare wire.
- 2) If no jumper connection is made, or if the white wire is connected, the radio will only play out of the right rear door speaker!

- 13) Vinyl tape the jumpered connection and the unused two remaining plug connections onto the main bundle so they are all secured as shown. (Figure 10)

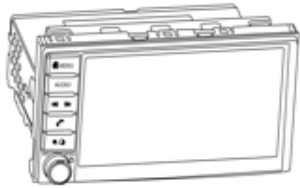

CAUTION

*****NOTICE*** - Double check that you have the correct jumper wire colors chosen for the radio in your installation; before you fully tape over the selection.**

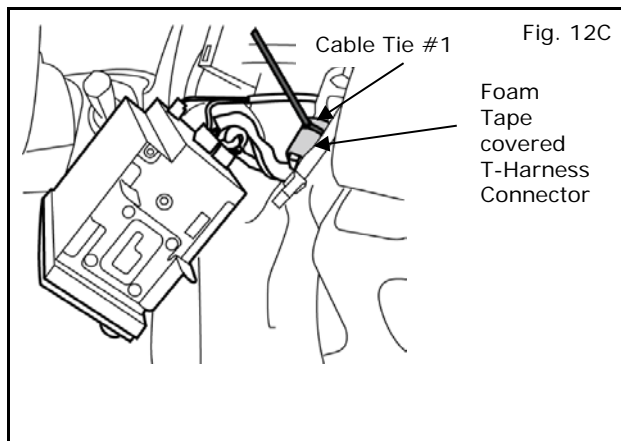
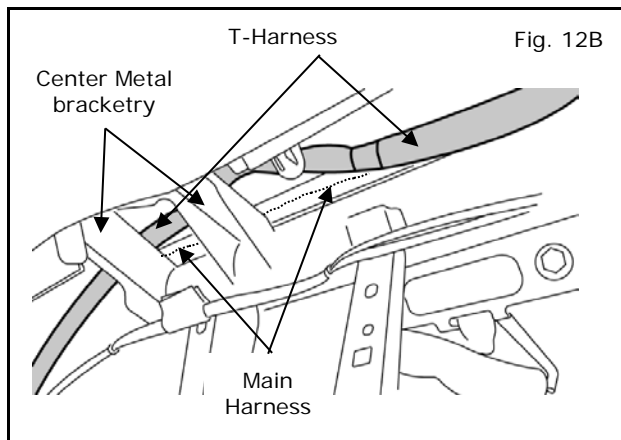
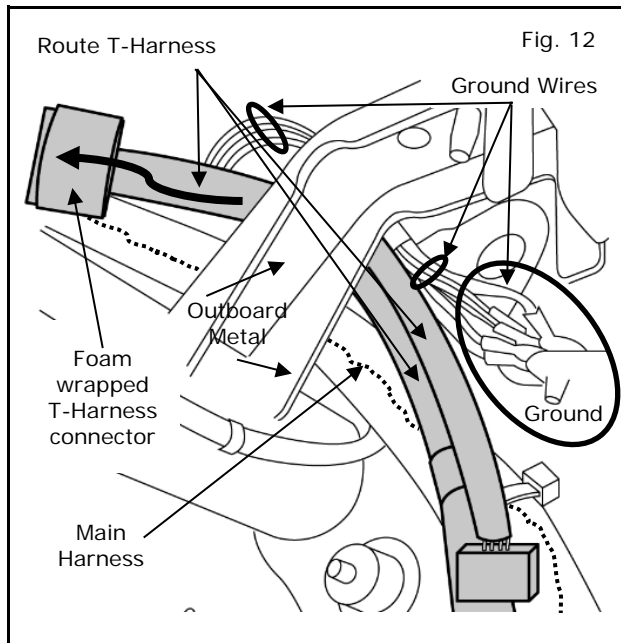
See (Figure 10) and use (Table 7B)

- 14) Overlap tape wrap over entire section of T-Harness, with vinyl electrical tape, to secure all jumper selection wires to the main bundle as shown. (Figure 11)

Table 7B

Illustration of Radio (Head Unit)	NA		
Head Unit Nickname	No Jumpers selected	Base Display Audio Radio	Premium AIVI Radio
Nissan Part Number	NA	28021 9EK0A	2591A 5UD0A US 2591A 5UD0B CAN
Supplier - Manufacturer	NA	Panasonic	Bosch
Jumper Plug - Wire Color	None	Blue	Green
Jumper Jack - Wire Color	None	Black	Black

INSTALLATION PROCEDURE: (continued)



Install the amplifier T-Harness:

- 15) a) Start installation of T-Harness under the instrument panel at A-Pillar by first feeding the foam wrapped connector below both the ground wires and Main harness, and above the outboard metal bracket as shown. (Figure 12)
- b) Carefully pull the remaining T-Harness connector and main trunk through this area and into the glovebox area for about 3 feet (900mm).

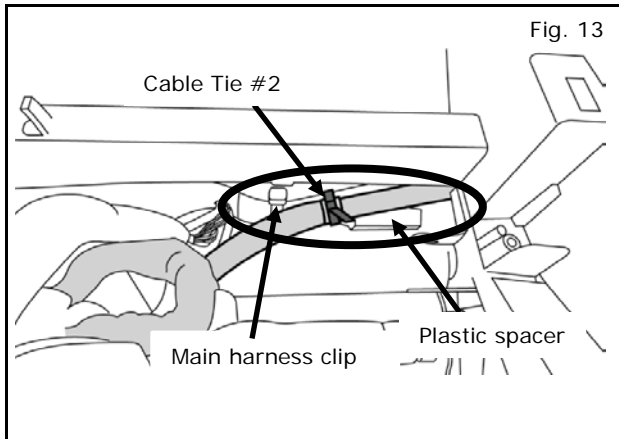
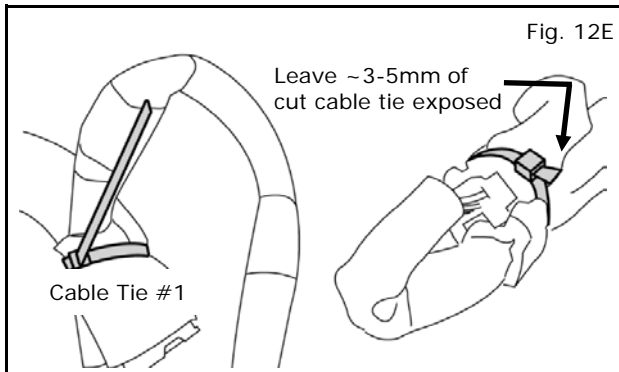
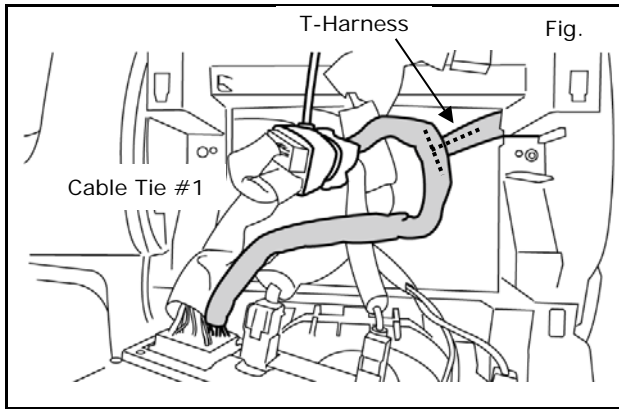
NOTE:

Be sure that the T-Harness is not routed in between any of the ground wires that come from the circled ground screw location shown. (Figure 12)

- c) Carefully continue to route the T-Harness through this area and into radio opening routing along main vehicle harness over the top of center bracketry as shown. (Figure 12B)

- d) Slide radio out and off its alignment posts and allow it to loosely lay on a rag or fender cover to avoid scratching IP.
- e) From glovebox opening route T-Harness radio side connectors inboard along Beam along with Main harness and into radio opening.
- f) Disconnect the 18-way (white) radio connector from the rear of the head unit (Radio) and plug it into the T-Harness connector with the foam tape already applied to it. Secure this connector with provided 10 inch cable tie to the other foam taped Main harness sections in this area. (Figure 12C)

INSTALLATION PROCEDURE: (continued)



Install the amplifier T-Harness: (cont)

- 15) g) Secure the remaining white 18-way connector located on T-Harness into vacated head unit (Radio) connector cavity. (Figure 12D)

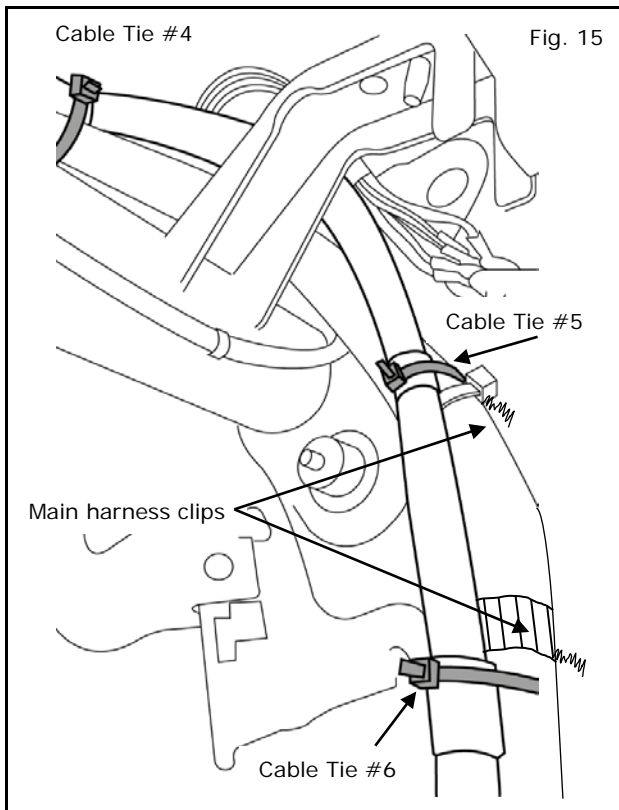
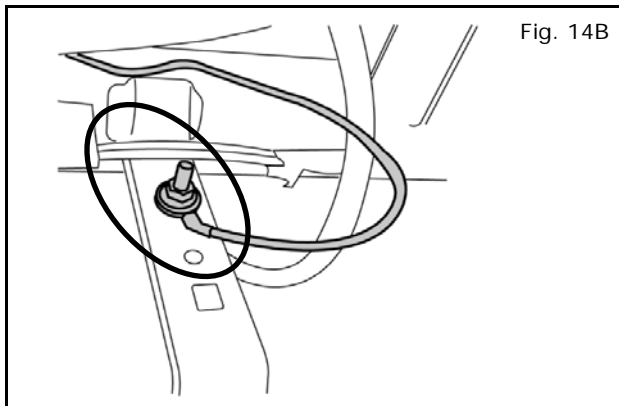
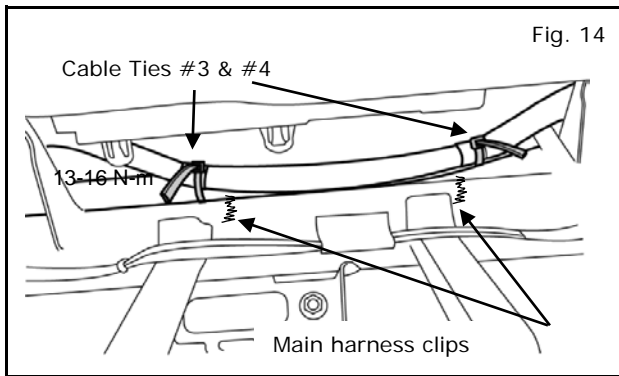
Notes:

1) Cut all cable tie ends (leaving ~3-5mm exposed) during the amplifier T-Harness installation. (Figure 12E)

2) There are a total of 14 cable ties required. The white tape marks on the harness indicate where the cable ties are centered along the harness beginning with cable tie #2.

- 16) a) Find first tape location on T-Harness (this is the location of Cable Tie #2) identified with **white vinyl spot tape**. Align this to main vehicle harness at location between rectangular plastic spacer under Main harness and Main harness clip pushed into the steering member. (Figure 13)
- b) Install cable tie centered about the white tape mark on the T-Harness, strapping onto the main harness between the rectangular plastic spacer under Main harness and clip on Main harness into steering member. (Figure 13)
- c) Reinstall head unit (Radio) into its mounting location and secure with its 4 screws. (Reverse step 10, pg 7)

INSTALLATION PROCEDURE: (continued)



Install the amplifier T-Harness: (cont)

- 14) a) Add cable ties #3 and #4 at locations around main harness. Route and secure at locations shown through glove box opening. (Figure 14)

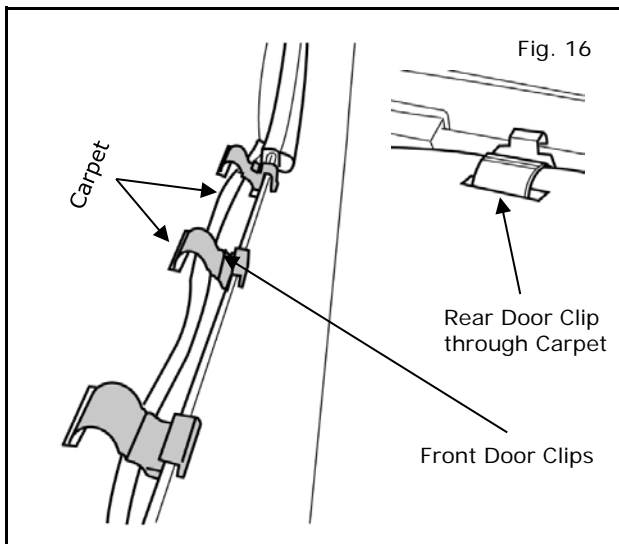
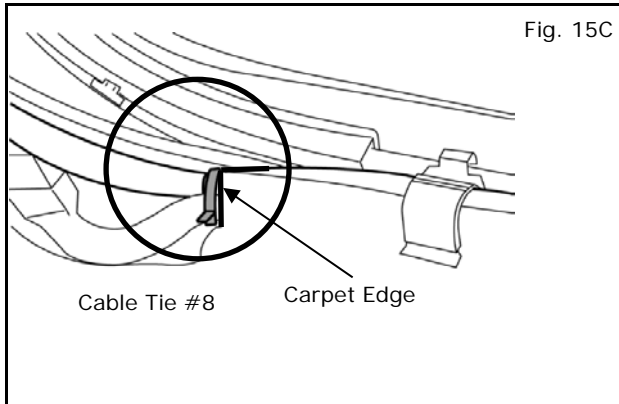
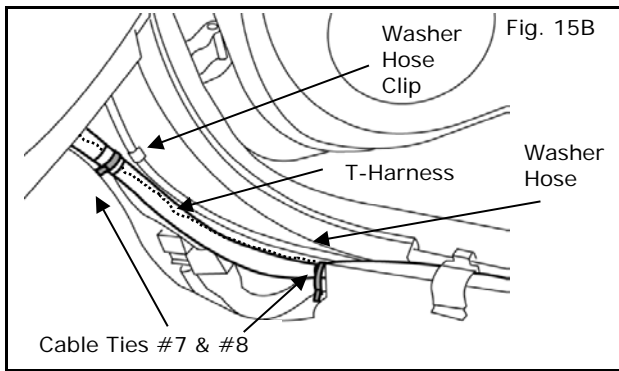
NOTE:

Main harness clips are shown pushed into the steering member for reference. (Figure 14) & (Figure 15)

- b) Use provided M5x12mm Ground Screw, Flat Washer and Nut to secure ground wire to upper right most glovebox vertical support bracket hole as shown. (Figure 14B)
- c) Torque these ground wire fasteners to 3.5 Nm (31 in lbs). (Figure 14B)

- 15) a) Add cable ties #5 and #6 at locations along Main harness in right A-Pillar area. Route and secure at white tape marked locations as shown. (Figure 15)

INSTALLATION PROCEDURE: (continued)



Install the amplifier T-Harness: (cont)

- 15) b) Add cable ties #7 around the Main harness, and #8 at around the Body harness in right A-Pillar area. Be sure to route and secure at white tape marked locations as shown. (Figure 15B) and (Figure 15C)

⚠ CAUTION

Be sure to cable tie the T-Harness onto the Body harness and *not* the washer hose in these bundle sections as shown. (Figure 15B) and (Figure 15C)

Cable tying to the washer hose can cause an adverse pinch condition.

NOTE:

Cable tie #8 is located at the carpet edge as shown. (Figure 15C)

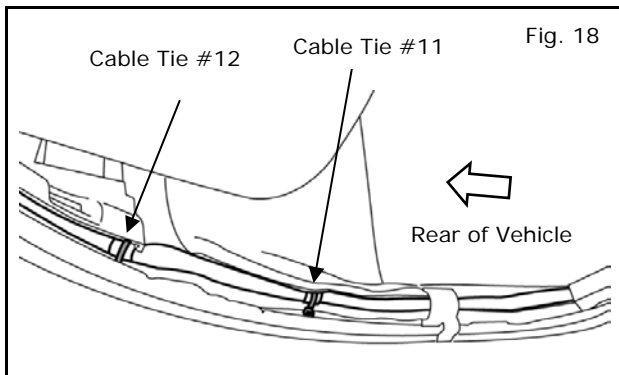
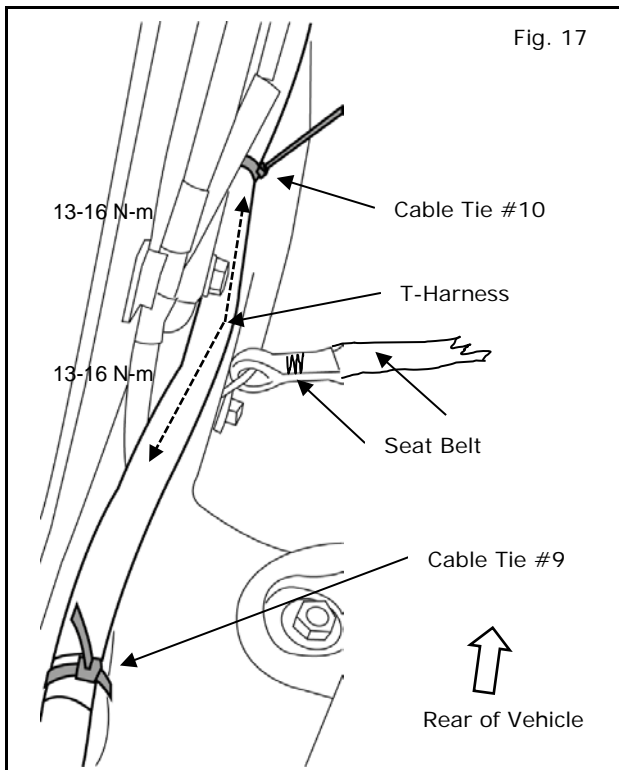
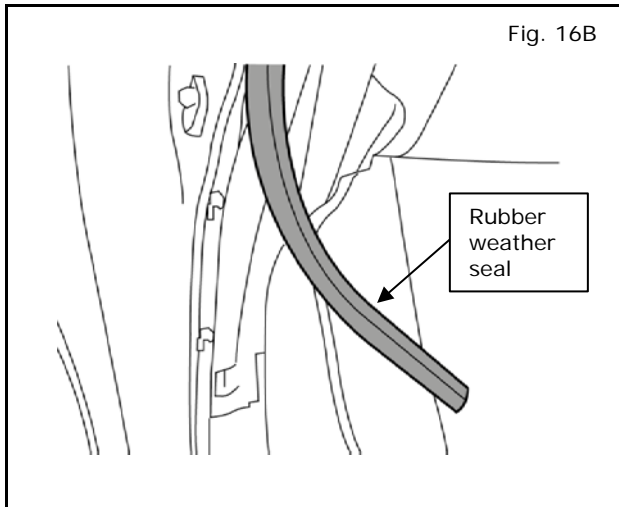
Install the amplifier T-Harness: (cont)

- 16) Open Main harness retainings clips located under the right front (3 each) and right rear (1 each) kick plate locations along the door edges. Run the T-Harness inside these retaining clips, along with the Main harness, and reclose. Be sure to route and secure at locations as shown. (Figure 16)

NOTE:

Ensure that you route these retaining clips through the carpet as shown. (Figure 16)

INSTALLATION PROCEDURE: (continued)



Install the amplifier T-Harness: (cont)

NOTE:

Partially remove all passenger side rubber weather seals (at the B and C-Pillars) to gain access under the trim pieces as shown. (Figure

17) Add cable ties #9 and #10 at locations along Main harness behind right B-Pillar as shown. (Figure 17)

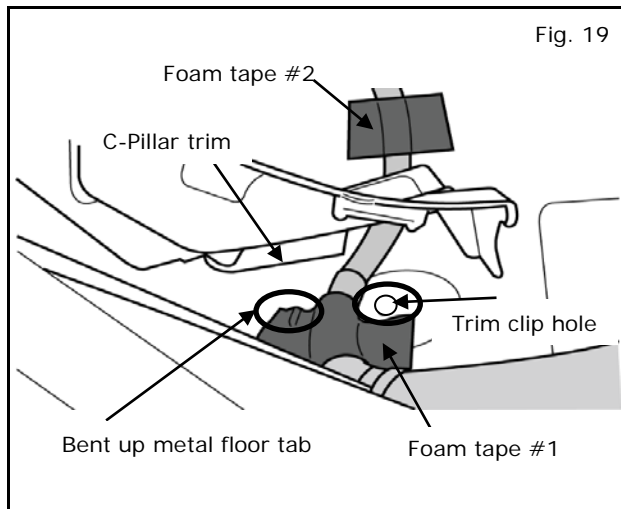
⚠ CAUTION

Route T-harness outboard of seat belt as it passes behind B-Pillar panel. (Figure 17)

18) a) Add cable ties #11 and #12 at location along the Main harness under the right rear door kick plate location near the door edge as shown. (Figure 18)

b) Add cable tie #12 at location along the Body harness at the rear of the right rear door near the door edge as shown. Be sure to route and secure at locations as shown. (Figure 18)

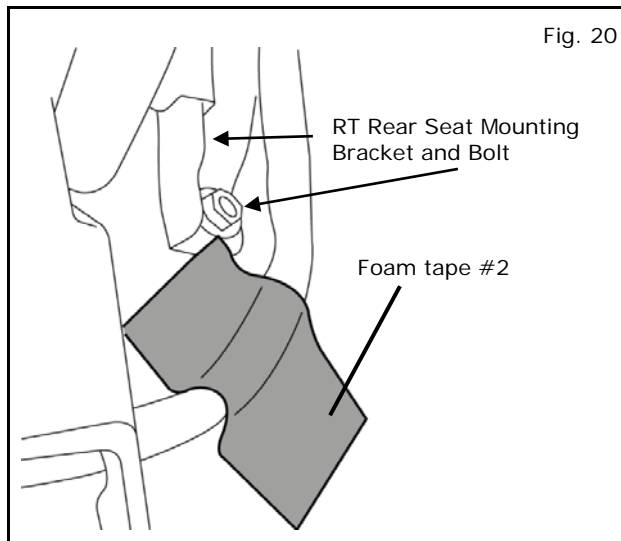
INSTALLATION PROCEDURE: (continued)



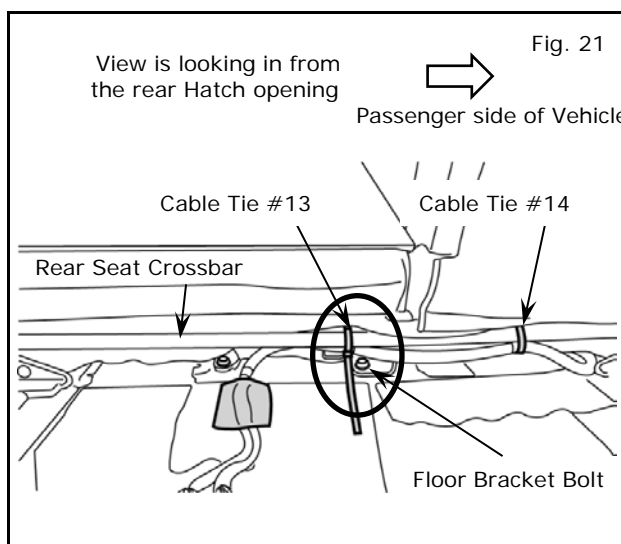
- 19) Add foam tape #1 to floor and around T-Harness at location shown going away from the body harness and under the C-Pillar trim. Be sure that the harness is routed away from the bent up metal floor tab feature and the trim clip hole in the floor board as shown. (Figure 19)

NOTE:

There are a total of 3 foam tapes. The blue tape marks on the T-harness indicate where the (100mm x 70mm) foam tapes are to be centered along the T-Harness.



- 20) Add foam tape #2 at location shown going away from the body harness and under the C-Pillar trim. Be sure that the harness is routed through the opening in the trim and away from the edges of the rear seat mounting bracket as shown. (Figure 19) and (Figure 20)



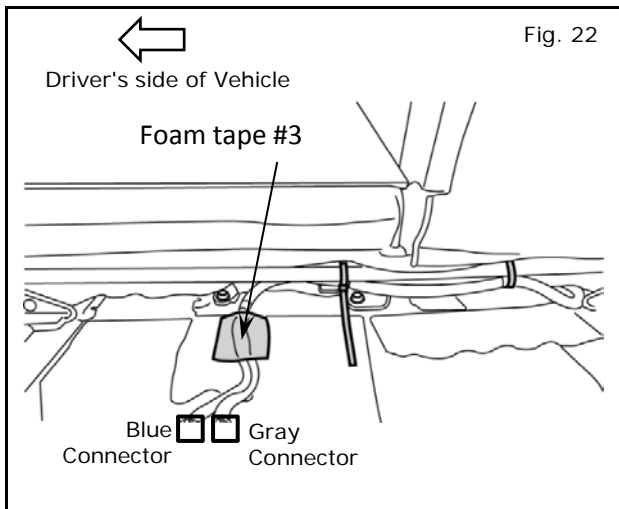
- 21) Add cable ties #13 and #14. They are tie strapped at their white tape marks onto the rear seat lower cross bar as shown in the rear hatch area. Be sure to route and secure at locations as shown. (Figure 21)

Notes:

1) Cable Tie #13 should be placed where it's white tape mark aligns directly above the rear seat lower cross bar floor bracket bolt head as shown.

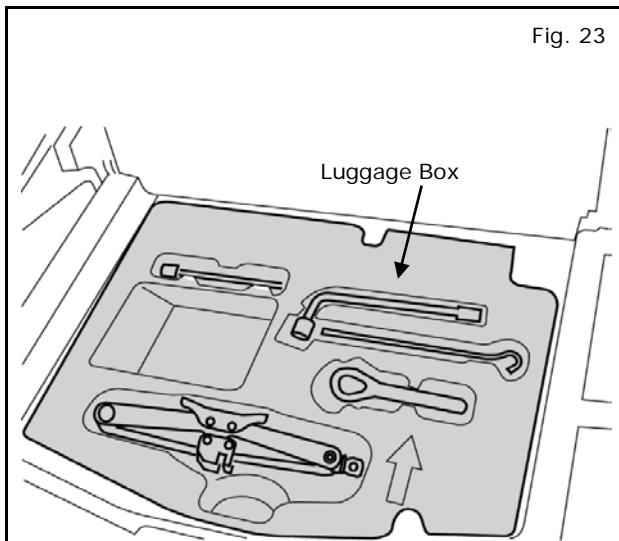
2) Cable Tie #14 should be placed on its white tape mark and stretched into the right side corner of the seat area onto the rear seat lower cross bar as shown. Figure 21.

INSTALLATION PROCEDURE: (continued)



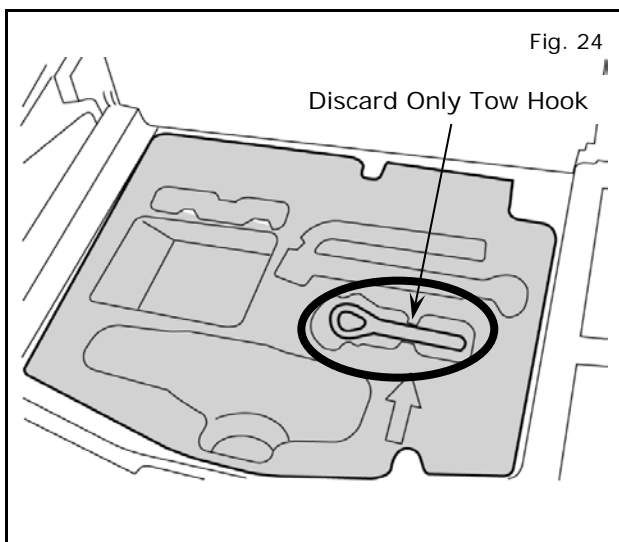
Install the amplifier T-Harness: (cont)

- 22) Add foam tape #3 at location shown going into the Lug Tray. Be sure that both wire bundles of the amplifier harness are taped to the floor pan together (Blue connector wire bundle on the outboard side (Driver's Side) and the Gray connector bundle on the inboard side) as shown. (Figure 22)



Install the amplifier tray into the Lug-Box:

- 23) Remove the production Lug-Box, Nissan pn: 84975 3WCOA, and tools, from under the rear hatch carpeted floor board, for modification to accommodate the Rockford Amplifier Tray assembly.

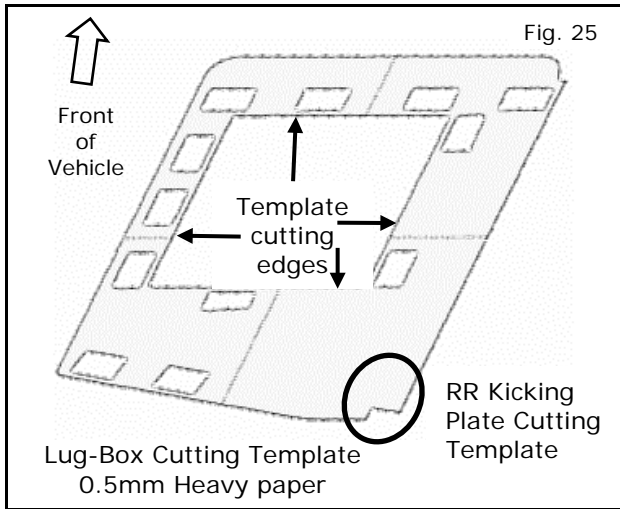


- 24) If there is a tow hook in your Lug-Box, or vehicle, it should be discarded as a result of this installation. This is to make room for the amplifier installation. (Figure 24)

NOTE:

Store all other spare tire tools and jack so that you can modify (cut) the lug box.

INSTALLATION PROCEDURE: (continued)

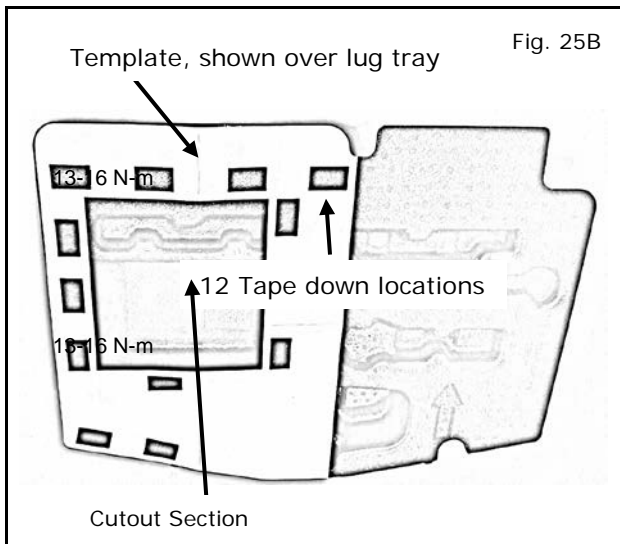


Install the amplifier tray into the Lug-Box: (cont)

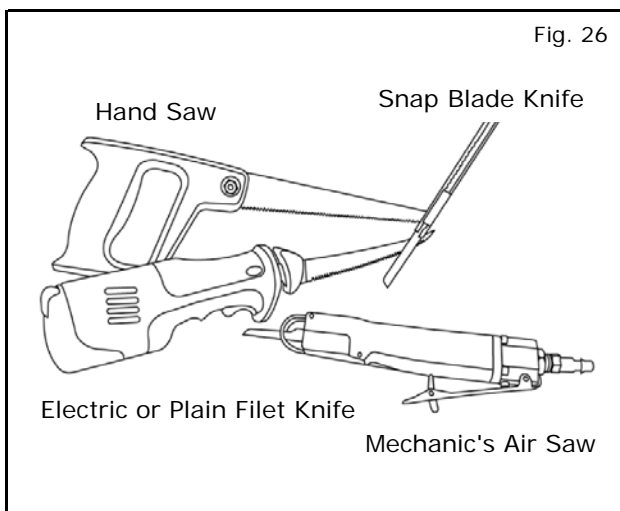
- 25) a) Obtain the cutting template from the kit for use to assist you in cutting out Lug-Box to fit the Rockford Amplifier Tray assembly. (Figure 25)
- b) Align the edges of the template to the Lug-Box and fix it so that it won't move with tape. (Figure 25B)

NOTE:

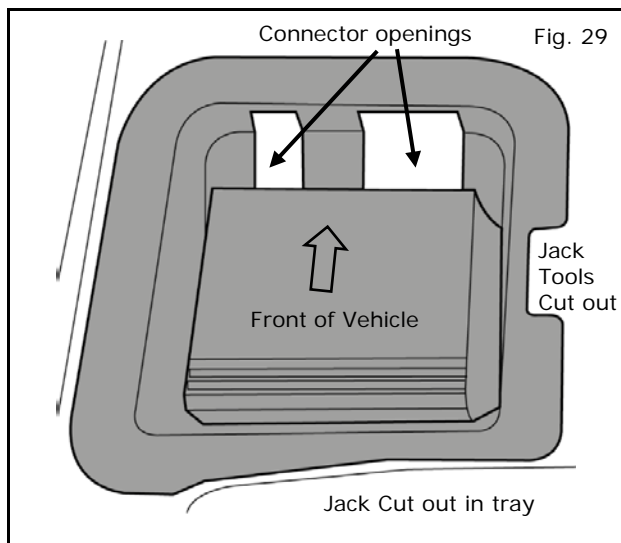
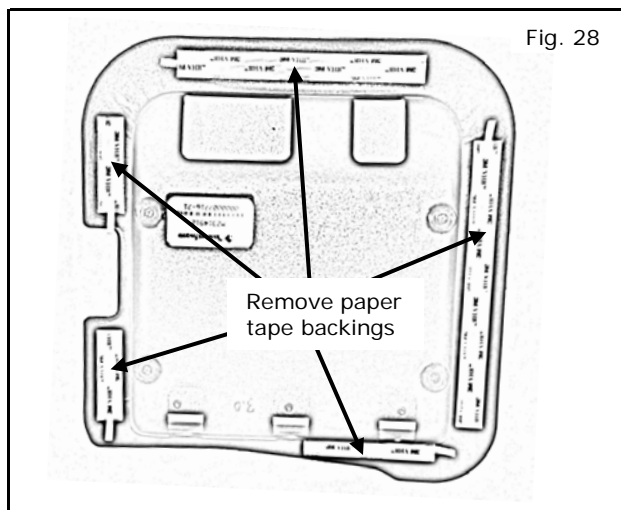
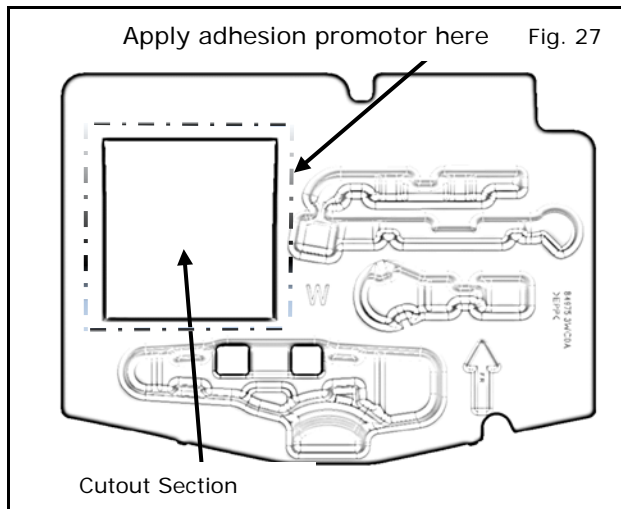
^{13-16 N·m} Save the circled corner of this template for usage as your cutting template for the RR kicking plate, shown in Step-37, page 26. (Figure 25)



- 26) Using the cutting template and a cutting tool. Carefully cut through the Extruded polystyrene foam (EPP) production lug box. (Figure 25) & (Figure 26)



INSTALLATION PROCEDURE: (continued)



Install the amplifier tray into the Lug-Box: (cont)

- 27) 1) Obtain the amplifier tray assembly and place into the cut lugbox to make sure it fits.
- 2) Wipe or blow off the Lug-Box so that it is free of all cut dust and shavings.
- 3) Apply the 3M Adhesion Promotor #4298 to the top 1.5" (38mm) perimeter surface of the Lug-Box and let dry for at least 90 seconds. (Figure 27)

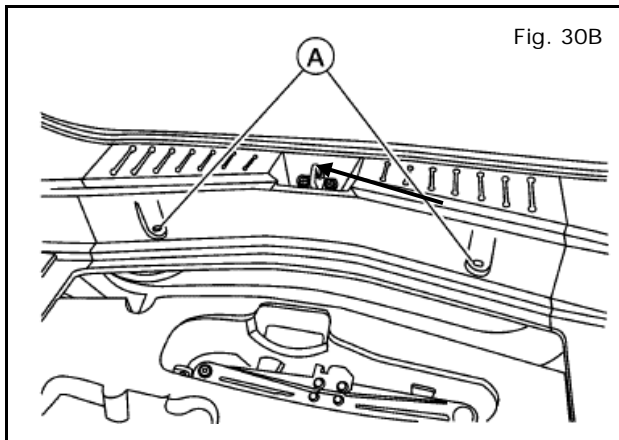
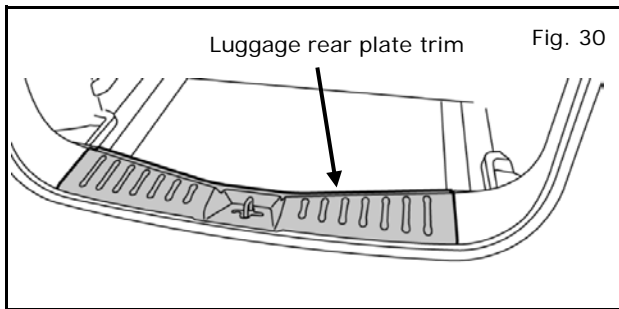
NOTE:
The 3M Adhesion Promoter is a primer product that comes in the blister package. It is a pre-saturated sponge with enough of the required solvent.

- 28) On the bottom side of the amplifier tray there are the pre applied 3M VHB #4952 double sided tape strips. Remove the 5 paper backings from the pre-applied tape sections on the underside of the tray. (Figure 28)

- 29) Install the amplifier tray assembly into the Lug-Box cut out and press firmly down into place around its perimeter. (Figure 29)

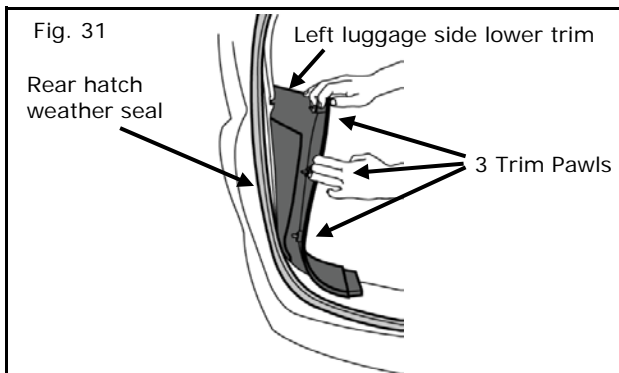
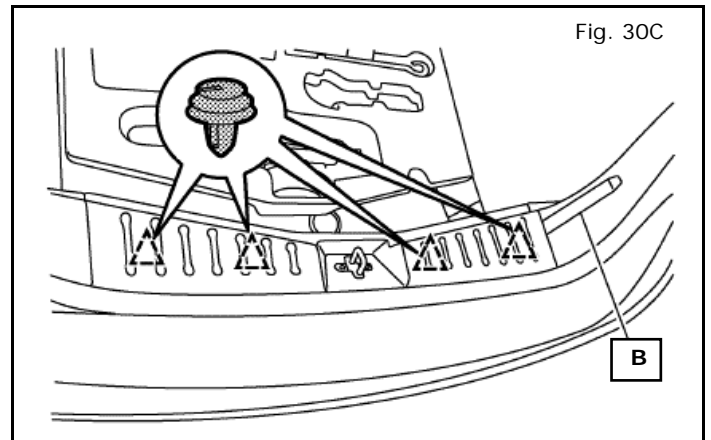
NOTE:
Notice: The tray has perimeter cutouts for the Jack and its tools. Use this to help orient it correctly into the lug tray. Notice that the connector openings have to exit out the forward side of the lug tray.

INSTALLATION PROCEDURE: (continued)



EMC Ground Wire Installation:

- 30) Remove luggage rear trim piece. (Figure 30)
- Remove luggage rear plate clips (A). (Figure 30B)
 - Release luggage rear plate clips using a suitable tool (B) and remove luggage rear plate as shown.
- ⚠ : Clip (Figure 30C)

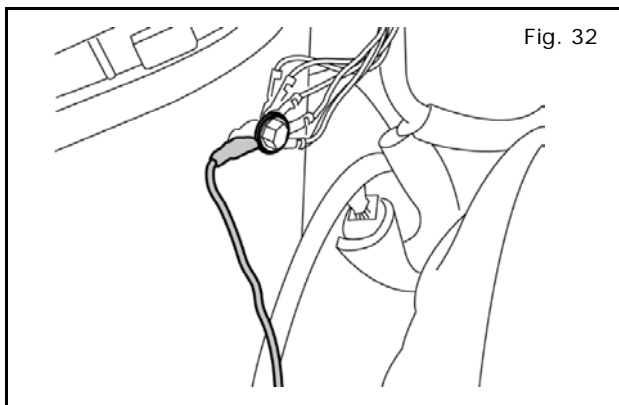


- 31) Partially remove rear hatch rubber weather seal, between the top of the lower side trim and to the right edge of the rear lug trim piece. (Figure 31)

- 31B) Slightly pull back the upper left luggage side lower trim, disconnecting 3 pawls to expose ground terminal, at the rear upper left outer C-Pillar. (Figure 31) & (Figure 32)

NOTE:

Locate the 30" (750mm) long vehicle side EMC ground wire which is included within the amplifier kit.

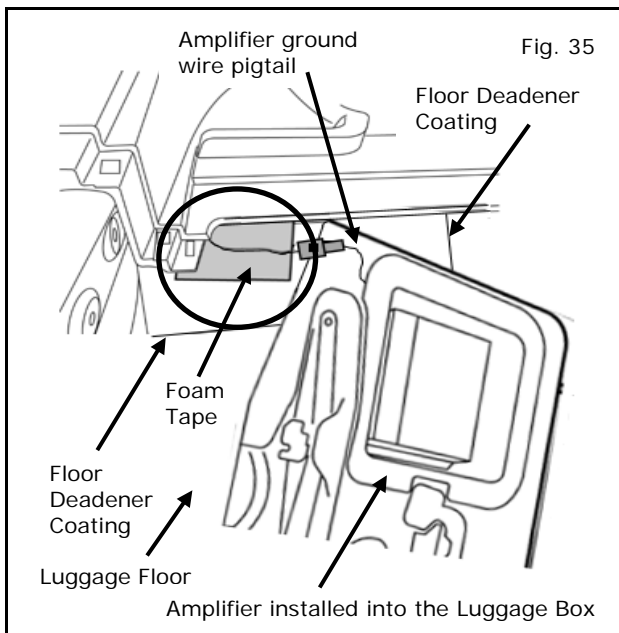
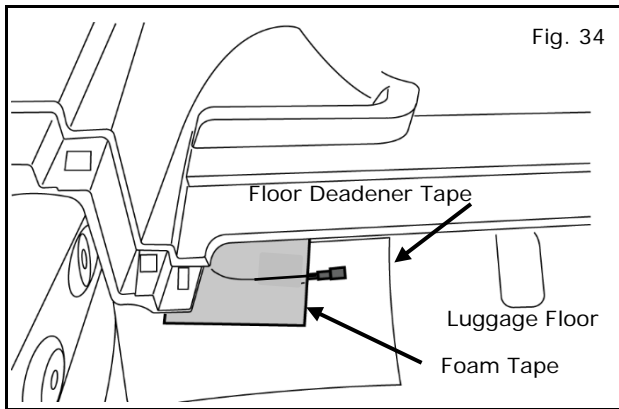
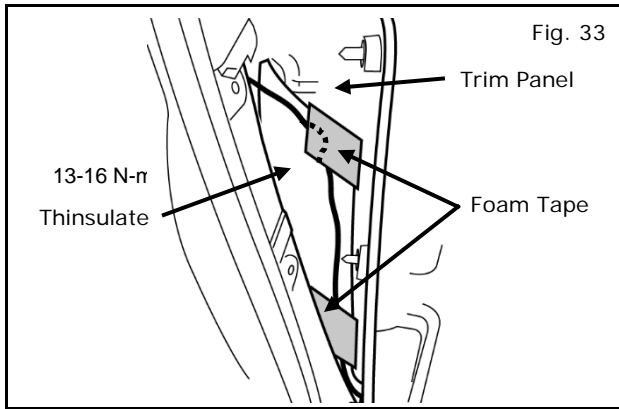


- 32) Remove ground screw and install the EMC ground wire ring terminal as shown. (Figure 32)

Reinstall and torque the same ground screw and new ground wire ring terminal to 7 Nm (62 in lbs) with a 10mm hex head tool.

Pull wire down behind trim panel and into the hatch area so that it can reach the lug tray. (Figure 34)

INSTALLATION PROCEDURE: (continued)



EMC Ground Wire Installation: (Continued)

33) Using two provided 100 x 50mm foam tape pieces, tape EMC ground wire onto the Thinsulate which is attached to the backside of trim panel. (Figure 33)

- One piece at the upper corner of the thinsulate.
- One piece near the third (lower most) trim panel

Notice:

Tape the wire onto the backing of the white (Thinsulate Acoustic Insulation) sound deadener material.

Make sure that the tape secures the wire onto the Thinsulate and also bridges onto the black plastic trim panel itself as shown. (Figure 33)

34) Route ground wire under remaining trim and tape onto the luggage floor board (on Floor Deadener Tape) using provided 100 x 50mm foam tape as shown. (Figure 34)

NOTE:

Foam tape the wire up to the back of the connector but do not cover the connector itself. (Figure 34)

Customer needs to be able to remove lug box in normal vehicle usage by disconnecting this inline

35) Position the already installed amplifier into the rear luggage floor area and locate the 200mm (8 inch) ground wire on the bottom of the amplifier exiting out of the tray. (Figure 35)

Connect EMC ground wire from vehicle side-to-the ground wire pigtail from Rockford amplifier, using the provided inline connector. (Figure 35)

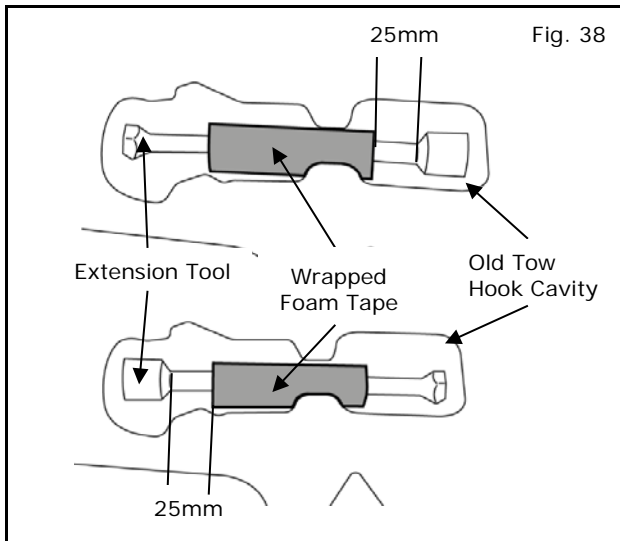
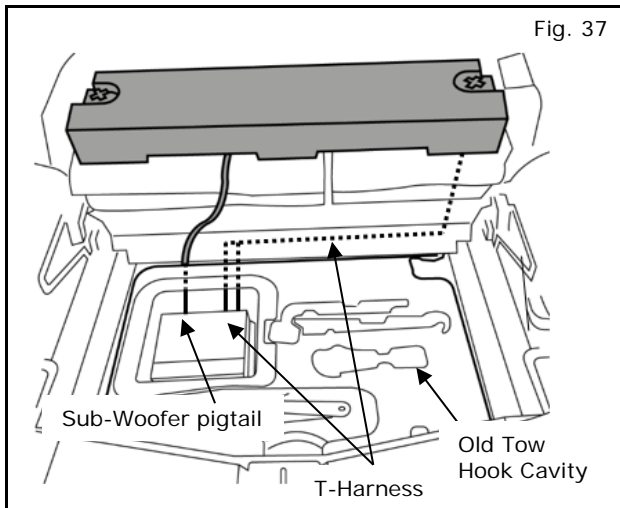
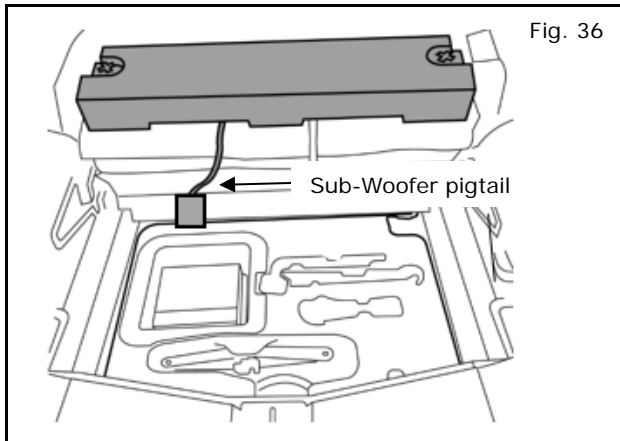
Rear Hatch area Trim Reinstallation:

Reinstall left luggage side lower trim, luggage rear plate and rear hatch rubber weather seal. Installations are in the reverse order of removal.

⚠ CAUTION

- Visually check the clips and pawls for deformation and damage during installation.
- When installing luggage rear plate and left luggage side lower trim, check that clips are securely placed into their body holes.

INSTALLATION PROCEDURE: (continued)



Install the Subwoofer & Amplifier into the Vehicle:

- 36) Fold both rear seat backs forward into the downward position and place Subwoofer Assembly onto them with the Wing parts removed as shown. (Figure 36)
- 37) a) Position the amplifier / lug-Box assembly into the rear of vehicle.
b) Route the T-Harness amplifier connectors under the Lug-Box and through bottom right (inboard) connector access hole in the front of the tray and connect into amplifier unit as shown.
c) Route Sub-Woofer pigtail under Lug-Box and through bottom left (outboard) connector access hole in the front of the tray and connect into amplifier unit as shown. (Figure 37)
- 38) Locate the (200 x 100mm) foam tape in the amplifier kit and install (wrap around) it 25mm (1 inch) from the socket side of the displaced extension tool. Position it into the old tow hook cavity in the lug box as shown. (Figure 38)

NOTE:

Taping the foam tape around the extension tool at (25mm = 1 inch) from the socket side of the extension tool allows it to be positioned in either direction, within the lug box. (Figure 38)

INSTALLATION PROCEDURE: (continued)

Install the Subwoofer & Amp into the Vehicle:

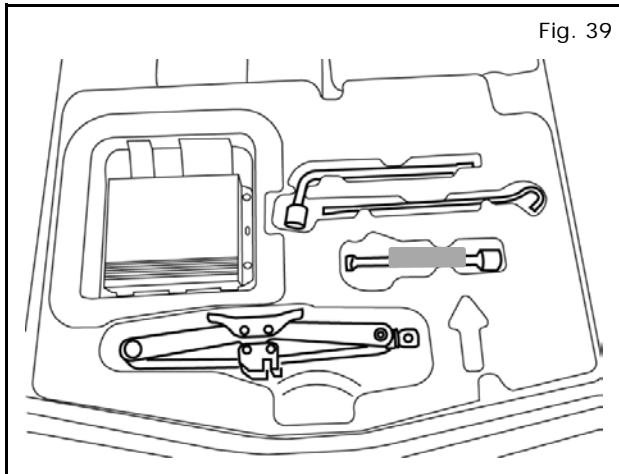


Fig. 39

39) Replace all tools into the lug box as shown. (Figure 39)

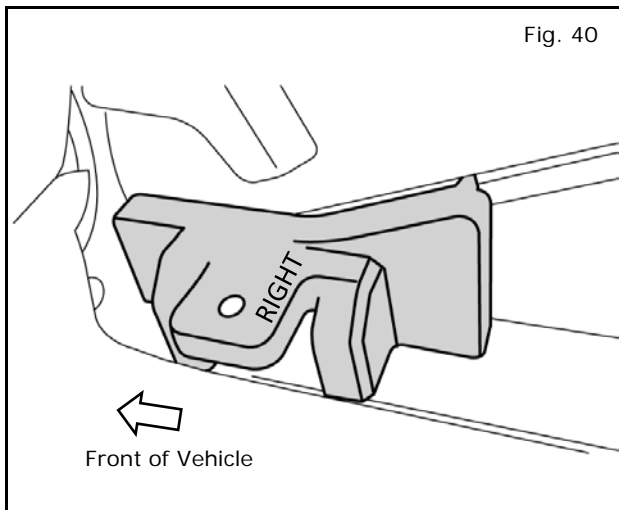


Fig. 40

- 40) a) Install carpeted floor board back down on top of the lug box and Amplifier assembly.
- b) Install the Left and Right Subwoofer Wings into the slotted side groves of the vehicle trim panels as shown. (Figure 40)

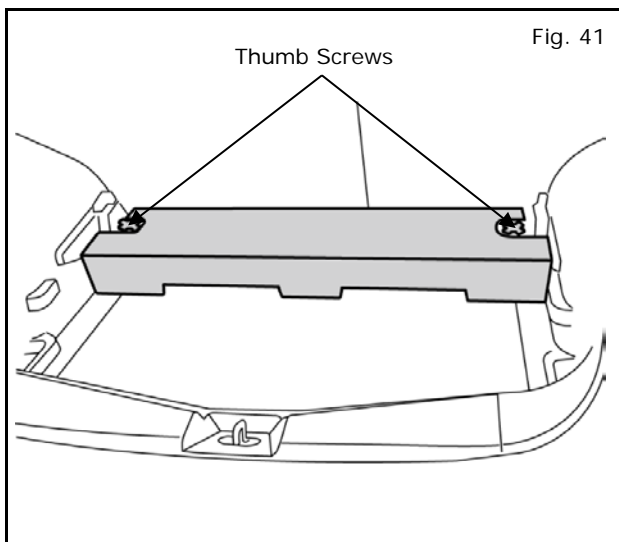


Fig. 41

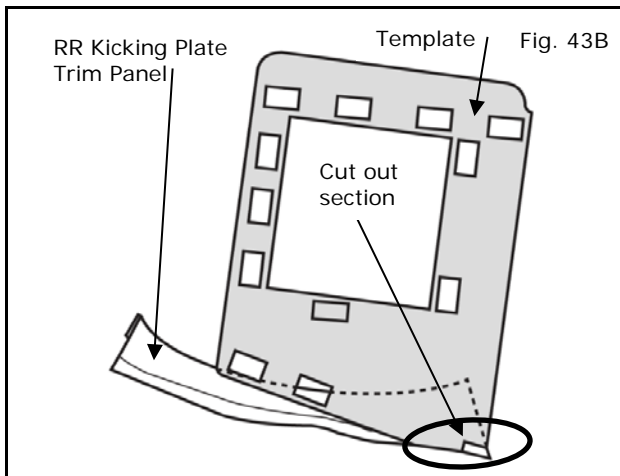
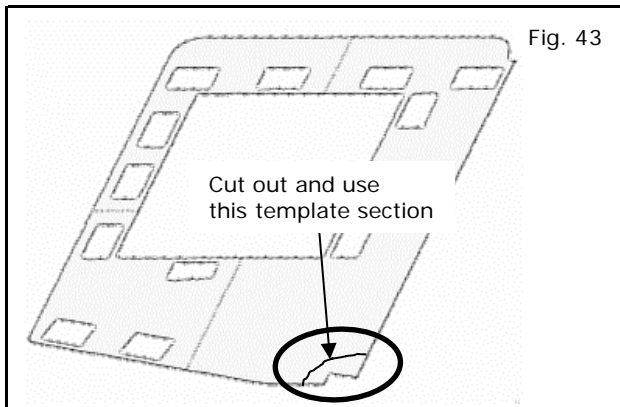
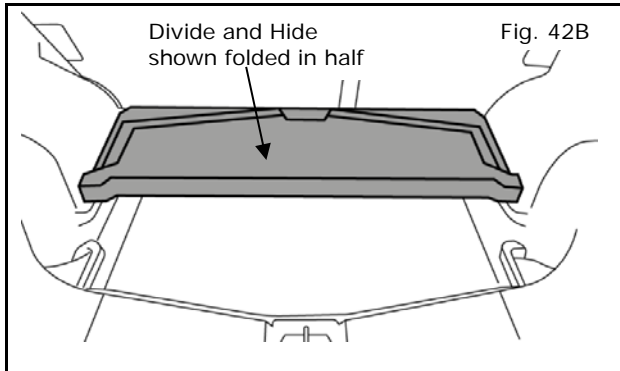
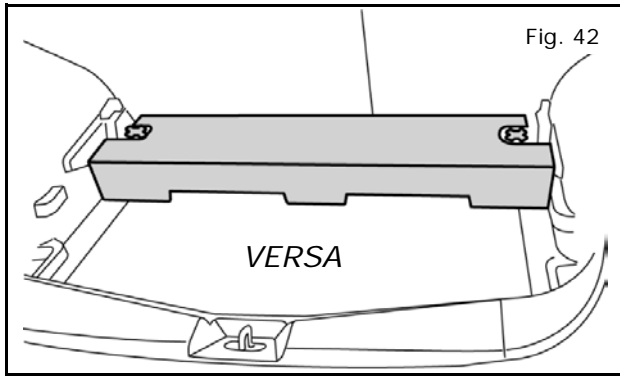
- 41) a) Install the Subwoofer into place on top of the carpeted floor board, and left and right wings.
- b) Align the threaded wing bottoms through to the subwoofer and secure into place with the provided thumb screws. Take care that the wire pigtail from the subwoofer comes out of the bottom of the unit forward in vehicle and then circles back under the floor board into the amplifier. (Figure 41)

NOTES:

Alternately tighten each thumb screws as tight as possible by hand with your thumbs and fingers, so that the subwoofer sits level in the back of the vehicle. You cannot over tighten them by hand.

Tuck the subwoofer pigtail wire behind (forward of) the subwoofer and under the left (drivers side) rear seat cushion.

INSTALLATION PROCEDURE: (continued)



Install the Subwoofer & Amplifier into the Vehicle: (cont)

- 42) a) If there is the optional rear cargo mat included with the vehicle then it should be installed under the subwoofer on top of the floor board. (Figure 42)

If there is the optional rear divide and hide included with the vehicle then it should be installed above the subwoofer into the slots on the side trim of the vehicle. (Figure 42B)

Cut the RR Kicking Plate for T-Harness clearance:

- 43) a) Locate the cut corner from the cutting template, Step-25, pg. 20. Use this template for cutting out clearance hole in right rear trim panel. See circled section shown. (Figure 43)
- b) Align paper template to the rear edges of the RR Kicking plate and mark to cut or cut to template at the ~16mm x 40mm notch. (Figure 43B)
- c) Cut plastic RR kicking plate using trim cutting tool or straight angle tin snips. (Figure 43C)

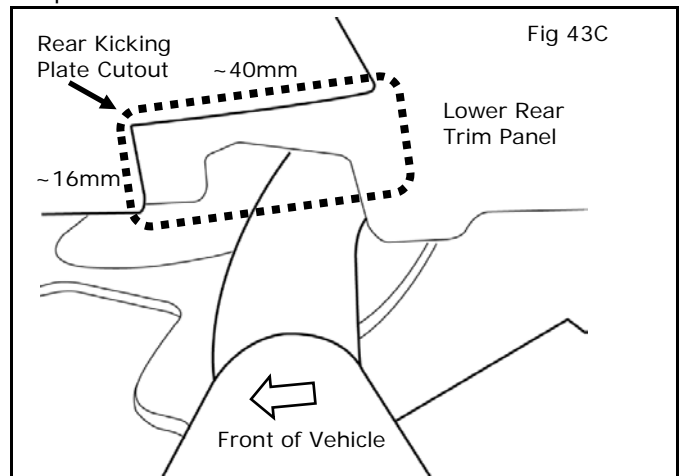
*****Notice*** - While the T-Harness routes nicely through the clearance hole in the lower rear trim piece, there is interference with the outer right rear kicking plate. This requires for it to be trimmed (cut) out to provide clearance for the harness to pass through there without getting crushed. (Figure 43C)**

Reinstall all remaining trim pieces:

- 44) Reinstall the following items:
- 1) LOWER REAR TRIM
 - 2) REAR (RR) KICKING PLATE
 - 2) CENTER PILLAR LOWER FINISHER
 - 3) DASH SIDE FINISHER
 - 4) FRONT KICKING PLATE
 - 5) GLOVE BOX ASSEMBLY
 - 6) CLUSTER LID

Reinstall battery and final inspections:

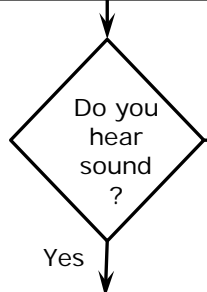
- 45) Reinstall 12 Volt Battery (-) and perform Final Inspections.



FINAL INSPECTION:

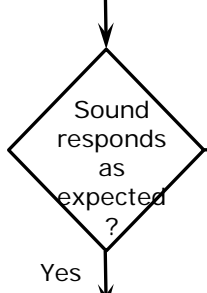
- Reset and verify all customer radio channels to their original presets, recorded in step 5, pg 2
- Function the Rockford **system** as given below to be sure that it is playing fully and through the newly installed subwoofer.

Turn on the Radio and tune into a known strong signaled local FM Radio Station or use a CD with good volume.



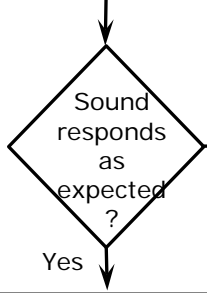
Be sure that all connections are made at radio and amplifier. If still no sound reconnect the production radio connector and test for sound. If sound comes then get a new Rockford Audio Kit and return all parts for a warranty replacement.

Manually Fade Speakers Front to Rear listening for the proper changes. Set back to centered when finished.



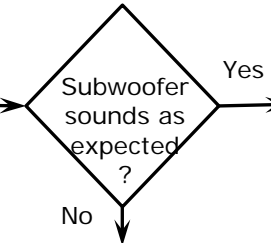
If only the right rear door speaker is sounding, recheck that the equalization jumper is properly connected. (Step 12, pg 11)

Manually Balance the speakers from left to right listening for the proper changes. Set back to centered when finished.



If only the right rear door speaker is sounding, recheck that the equalization jumper is properly connected. (Step 12, pg 11)

Go to the rear of the vehicle and physically feel with your hand and listen with your ears that the two speakers within the subwoofer are playing. You should feel their vibrations and hear them plainly.



Done

Recheck that the connection between amplifier and subwoofer is made.

FINAL INSPECTION: (continued)

- Reinstalled 12 volt battery negative and radio is functioning. See step 11, pg 3.
- Reinstalled LUGGAGE REAR PLATE trim. See Figures: 30, 30B, and 30C, pg 21.
- Reinstalled Left LUGGAGE SIDE LOWER trim panel. See Figure 31, pg 21.
- Reinstalled REAR KICKING PLATE trim panel. See Figure 5, pg 6.
- Reinstalled CENTER PILLAR LOWER FINISHER trim panel. See Figure's 6 & 6B, pg 6.
- Reinstalled DASH SIDE FINISHER trim panel. See Figure's 4 and 4B, pg 5.
- Reinstalled FRONT KICKING PLATE trim panel. See Figure 3, pg 4.
- Reinstalled GLOVE BOX LID & ASSEMBLY. See Figure's 2 & 2B, pg 4.
- Reinstalled CLUSTER LID trim around the audio unit. See Figure 1, pg 4.
- If vehicle was equipped with the optional rear cargo mat it should be installed below the subwoofer.
- If vehicle was equipped with the divide and hide assembly it should be installed above the subwoofer.
- Function the rear window washer three complete cycles that it still operates. If not review the caution at Step 15b, pg 15, and check your installation for kinks between the A-pillar and the C-pillar.

Rockford-Fosgate Premium Audio System

