

## 1. Vehicle Preparation



- a. Apply parking brake.
- b. Open the trunk and hood of the vehicle.
- c. Disconnect the negative (-) battery cable.
- d. Prepare a protective surface to place all vehicle components on.



Fig. 2-1

## 2. Front Door Tweeter Installation

1. Remove A Pillar by pulling straight and away from door **(Fig. 2-1)**. Disengage any clips that remain in the door and return to the A Pillar panel. **(Fig. 2-2)**

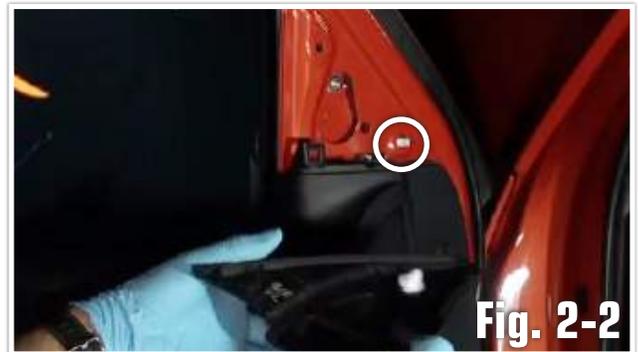


Fig. 2-2

2. Carefully remove the factory tweeter from the door panel by unlocking the three prongs one at a time. **(Fig. 2-3)**



Fig. 2-3

3. Install the OEM Audio Plus tweeter in the same orientation as the factory tweeter by aligning it with the locking tabs.



4. Make sure Tweeter snaps into place. **(Fig. 2-4)**



5. Connect the tweeter connector and make sure it is secured with built-in locking tab.

6. Push the A Pillar back into position and apply pressure until it snaps back into place. **(Fig. 2-5)**

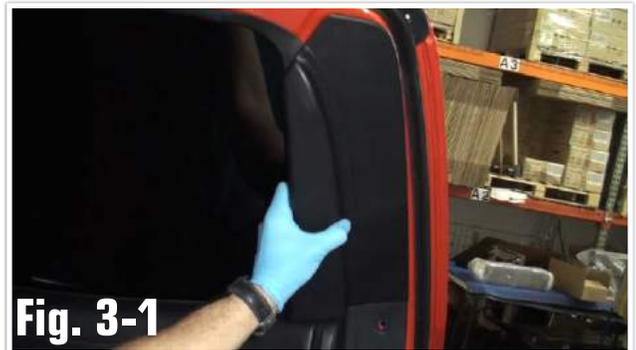


7. Repeat these steps for the other Front tweeter.

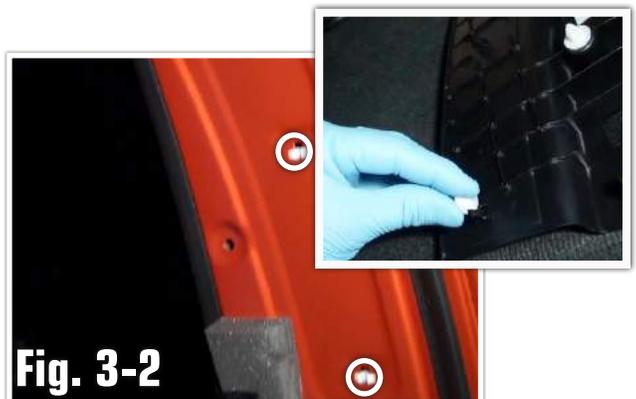
### 3. Rear Tweeter Installation

a. Remove door panels

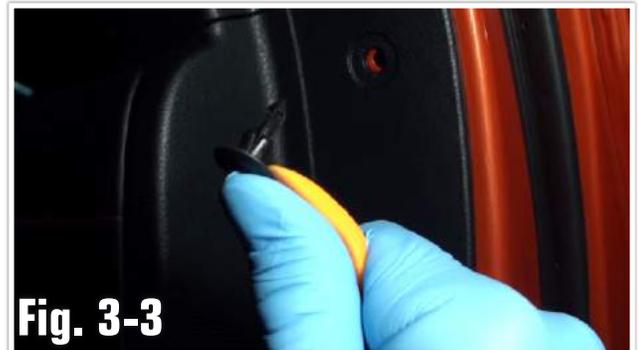
1. Remove door pillar by prying away from door assembly. **(Fig. 3-1)**



2. Disengage any clips that remain in the door and return to panel. **(Fig. 3-2)**



3. Disengage door locking tab. **(Fig. 3-3)**



4. Use a panel tool to remove the cover behind the interior door latch. **(Fig. 3-4)**



5. Remove #2 Phillips screw behind the door latch. **(Fig. 3-5)**



6. Lift the carpet cover from the grab handle cavity and remove the #2 Phillips screw. **(Fig. 3-6)**



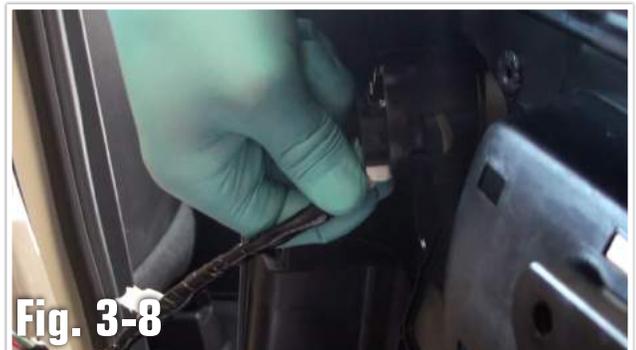
7. Use a panel tool to remove the window door lock control panel. **(Fig. 3-7)**



8. Disconnect window control connectors from the panel.

9. Use gentle force to remove door panel. Start at the bottom, then the sides and finish at the top.

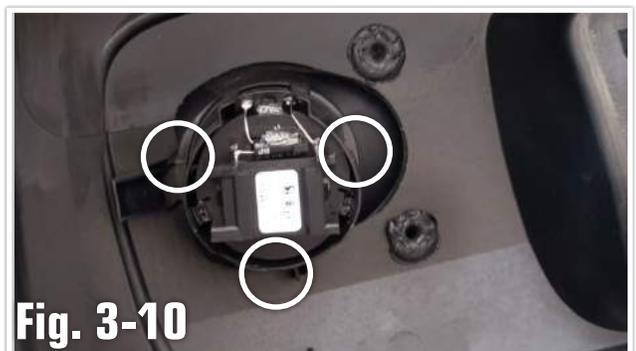
10. Disconnect the tweeter connector. **(Fig. 3-8)**



11. Remove door latch assembly from the door panel by unsnapping and lifting the door latch connectors. **Note:** Connectors need to be reassembled in the same orientation – white on top, green on bottom. **(Fig. 3-9)**



12. Carefully remove the factory tweeter from the door panel by unlocking the three prongs one at a time. **(Fig. 3-10)**



13. Install the OEM Audio Plus tweeter in the same orientation as the factory tweeter by aligning it with the locking tabs. **(Fig. 3-11)**



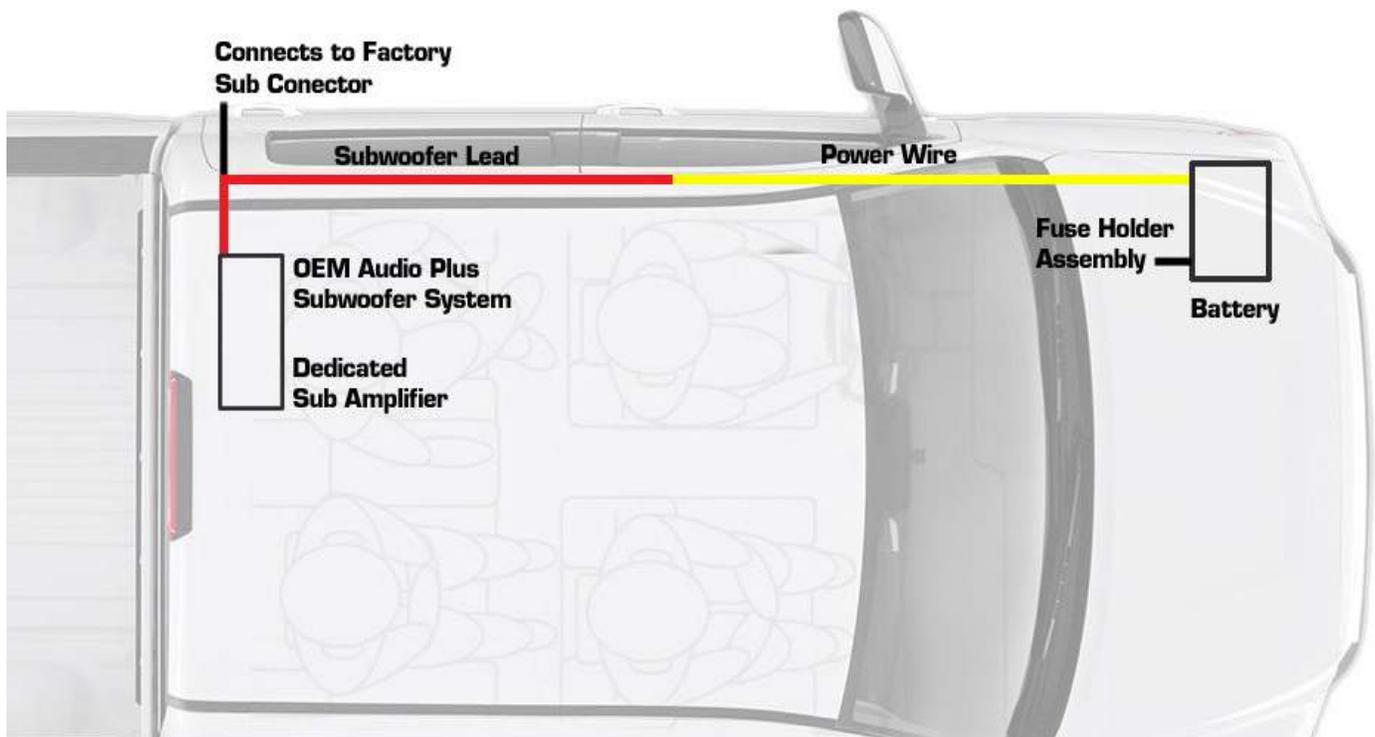
14. Connect the tweeter connector and make sure it is secured with built-in locking tab. **(Fig. 3-12)**



b. Reassemble door in reverse order - taking time to ensure all clips are engaged and all connectors are connected. Failure to securely reinstall door panel may result in rattles.

c. Repeat process for the other side of the vehicle.

**Quick-Sync Wiring Harness (Overview):**



#### 4. Quick-Sync Wiring Harness (Preparation)

- a. Remove the front driver side threshold by pulling in an upward motion. **(Fig. 4-1)**



- b. Remove the passenger side kick panel by unscrewing the black locking tab. **(Fig. 4-2)**
- c. Disengage any clips that remain and return to the removed panel.



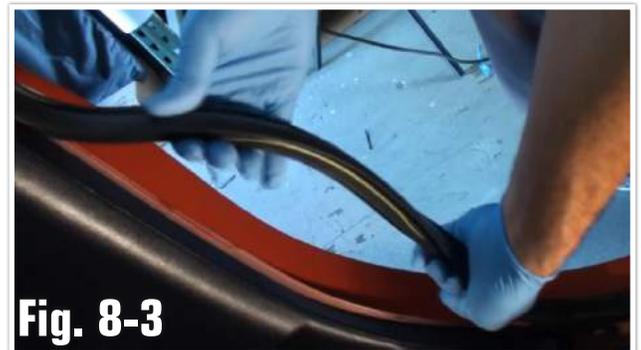
- a. Remove the driver side lower seatbelt mounting bolt cover and bolt (14mm). **(Fig. 8-1)**



- b. Remove the driver side rear threshold. **(Fig. 8-2)**



- c. Loosen seatbelt trim weather-stripping by hand and remove carefully in an outward direction on both the front and rear driver side thresholds. **(Fig. 8-3)**

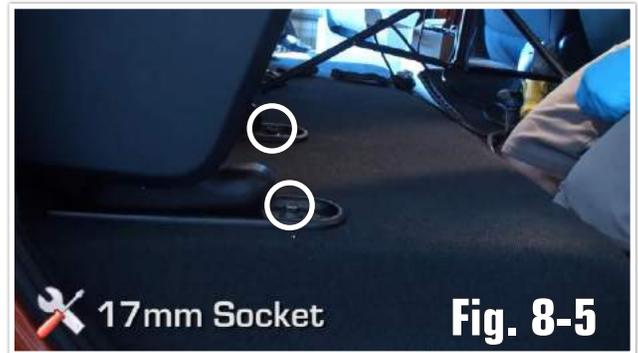


- d. Disengage driver side seat belt trim panel by pulling directly towards you from the lower portion of the panel and working your way up to disengage the clips. **(Fig. 8-4)**

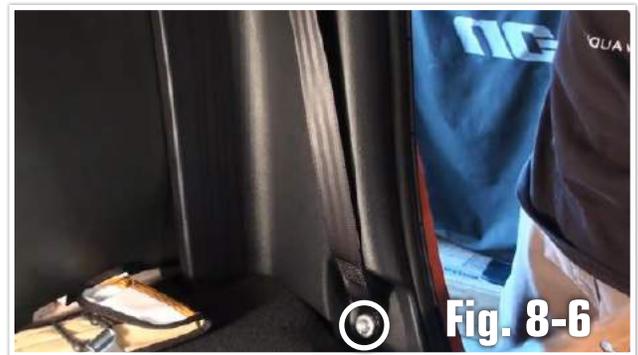


e. Check for white snaps that may not have come off with the panel. Re-insert to panel if applicable.

f. Using a 17mm socket, remove the four (4) driver side 17mm rear seat bolts. Reposition rear driver side seat out of the way or remove from vehicle. Take care not to scratch interior if removing seat assembly. **(Fig. 8-5)**



g. Remove the lower seatbelt mounting bolt cover and bolt (14mm) of the driver side/rear panel. **(Fig. 8-6)**

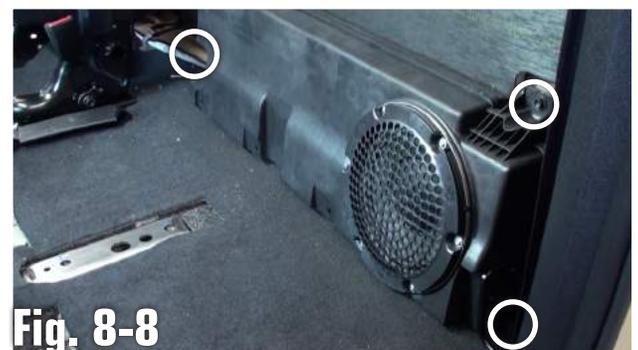


h. Remove the weather-stripping on the rear driver side door and remove side/rear panel. **(Fig. 8-7)**



i. Disengage the white plastic clips in the front and rear driver side threshold area.

j. Remove the factory JBL sub with a 10mm sockets and remove the three (3) factory M6 bolts. You will be using these same bolts for securing your O+ Subwoofer System to the vehicle. **(Fig. 8-8)**

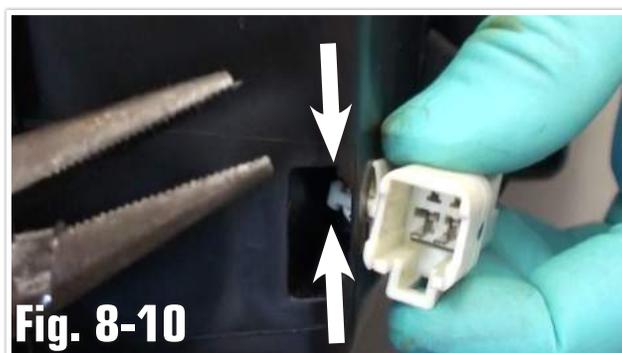


k. Disconnect the Factory sub connector and remove sub assembly from vehicle. **(Fig. 8-9)**

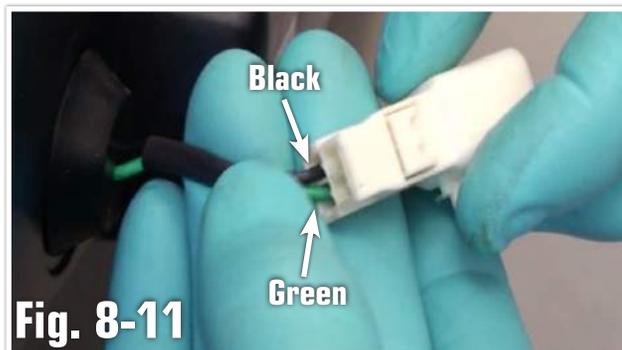


Using Needle Nose Pliers remover the factory male sub connector by compressing the white locking release found in the cavity of the factory sub enclosure.

**(Fig. 8-10)**



With the factory connector loose from the enclosure, take note of the wire orientation. The green wire is positive and the black wires are negative. Use a marker to note the placement, if helpful. The empty slots of this connector will remain empty. **(Fig. 8-11)**

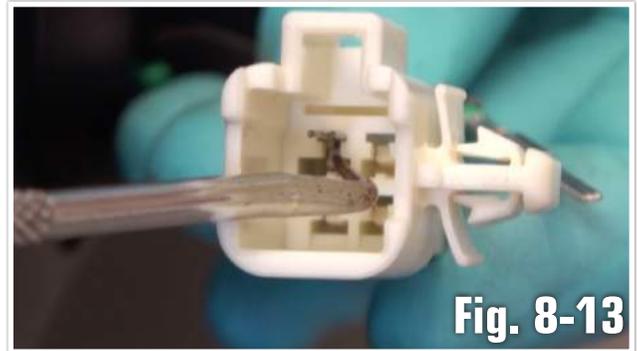


With a precision screwdriver or pick tool, lift the locking tab of the factory connector **(Fig. 8-12)**. This tab only needs to be lifted slightly to release the pins in the connector. You will see the tab lifted, yet level, when properly disengaged.



With the wire you intend on removing in your grasp, use a precision tool to disengage the locking tab within the connector housing securing the terminal.

**(Fig. 8-13)**

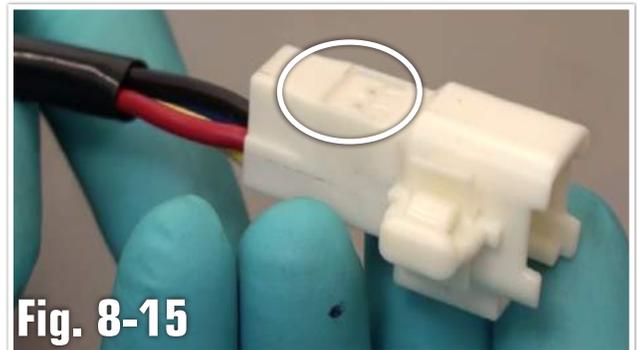


When locking tab is disengaged, terminal will pull out with ease. Repeat these steps for both (2) wires.

Insert the OEM Audio Plus terminals into the factory connector housing in the same orientation as the factory wiring. Red/Yellow = Positive and Blue/Black = Negative. Terminals will slide into the housing and will click when engaged. **(Fig. 8-14)**



Once all terminals are inserted, engage the locking tab on the connector housing. **(Fig. 8-15)**



### 5. Quick-Sync Wiring Harness (Installation)

Connect the O+ Quick Sync Wiring Harness (now with the transplanted sub male connector) into the factory female sub connector in the vehicle. **(Fig. 5-1)**



Using the factory ground located where the side/rear panel was previously installed, remove the 10mm ground bolt. **(Fig. 5-2)**



Install the harness ground together with the factory ground. Re-install the 10mm bolt. **(Fig. 5-3)**



Run the ground wire with existing factory wire and factory sub connector. Secure using the provided cable ties as necessary.

Position your O+ Subwoofer System Input (Black 4-Pin), Power/Ground Connector (Green 3-Pin) and Gain Control Knob Cable (Clear RJ22 - Telephone-like Connector) **(Fig. 5-4)**



d. Power Wire + Gain Control Knob Cable will run the length of the vehicle from the driver rear to the driver side kick panel. Secure using the provided cable ties. **(Fig. 5-5)**



### 9. Power Wire Installation

c. Route power wire to the driver side kick panel. Run neatly and out of the way. Use cable ties as necessary. **(Fig. 9-3)**



d. Under the hood locate the grommet for the main factory wiring harness on the driver side of the firewall directly under the two (2) heater hoses. **(Fig. 9-4)**

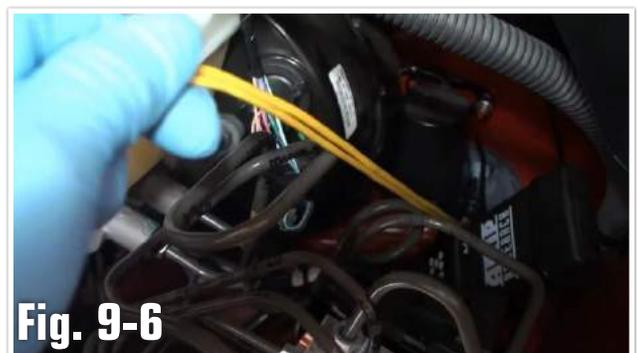


e. Identify unused nipple and slice the tip off to create an opening for the power wire. **(Fig. 9-5)**



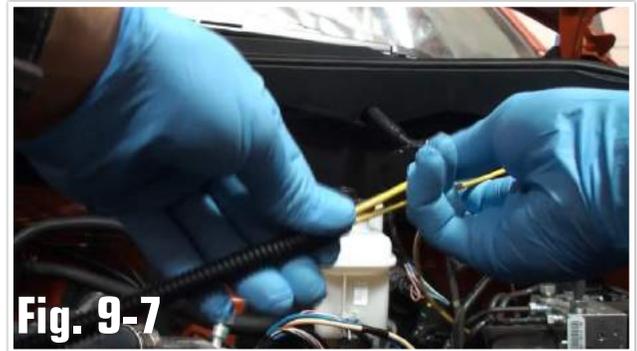
f. Lubricate power wire with silicone spray or comparable substitute.

g. Once enough slack is visible, pull the full length of the power wire through under the hood **(Fig. 9-6)**. You want just enough length to reach your battery. Cut any additional slack. **Note:** Avoid interference with accelerator and brake pedals.



h. Secure any wire slack to existing factory wiring. Use cable ties as necessary.

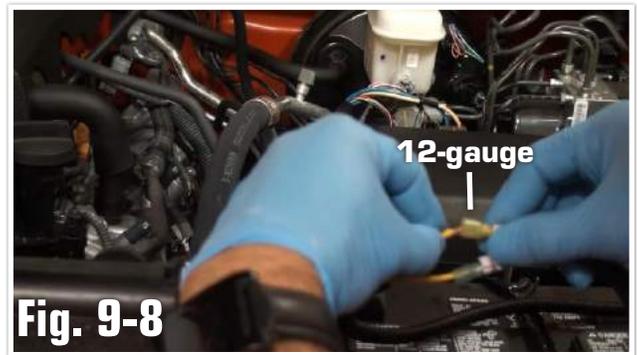
i. Install supplied high-temp corrugated split loom to cover the power wires and insulate against extreme temperature under the hood. **(Fig. 9-7)**



**Fig. 9-7**

j. Run power wires to the battery by following the direction of the factory wiring harness to the ECU.

k. Connect the power wires to the fuse holder by inserting the 12-gauge stripped power wire into the butt connector and crimp. **(Fig. 9-8)**



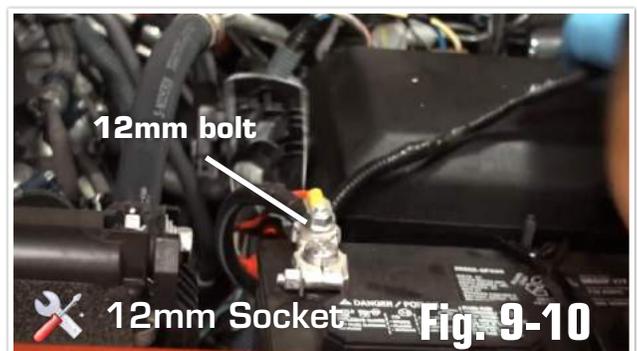
**Fig. 9-8**

l. Apply heat to activate the solder and heat shrink insulator for the best connection possible. **(Fig. 9-9)**



**Fig. 9-9**

n. Remove the 12mm bolt from the battery's positive terminal **(Fig. 9-10)** and install the ring terminal of the fuse holder lead.



**Fig. 9-10**

Re-install the 12mm bolt and tighten. **(Fig. 9-11)**

**Note:** Do not install fuse at this time!



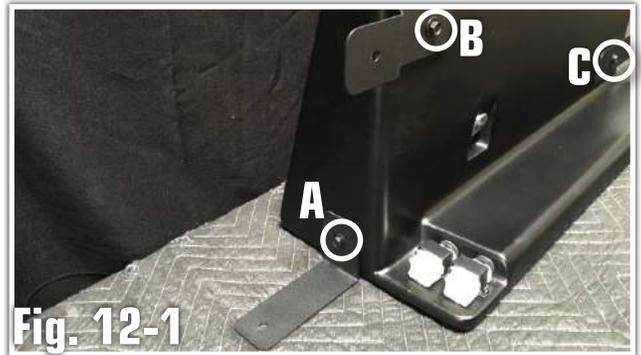
### 11. Subwoofer System (Installation Preparation)

a. In the rear seat area, locate the three (3) sub mounting locations. **Fig. 11-1,2,3)**



## 12. Subwoofer System (Installation)

- a. Mount the subwoofer brackets to the subenclosure
1. Remove the three (3) 10mm bolts on the subwoofer. Two bolts are located on the rear of the subwoofer, and one is located on the side to near the subumbilical plugs. **(Fig. 12-1)**



2. Place the three subwoofer brackets onto the subwoofer and attach using the three 10mm bolts. bracket A mounts to the side of the enclosure, and brackets B and C on the rear. Take note of the orientation of the brackets. **(Fig. 12-2)**



- a. Position Subwoofer into it's designated location. **(Fig. 12-3)**

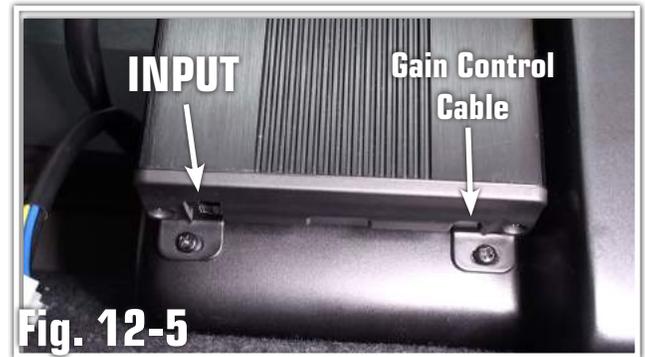


- b. Connect the two (3) subwoofer connections to the OEM Audio Plus Subwoofer System. **(Fig. 12-4,5)**

Install Power/Ground Connection (Green 3-Pin) to top of Dedicated Sub Amplifier (mounted to enclosure). Insert Firmly. **(Fig. 12-4)**



Install the Input Connector (Black 4-Pin) and Gain Control Knob Cable (Clear RJ22 - Telephone-like Connector) to bottom of Dedicated Sub Amplifier.  
**(Fig. 12-5)**



c. Install the three (3) provided 10mm bolts into the subwoofer mounting arms. Tighten by hand initially. If binding occurs remove the bolt and repeat steps.  
**(Fig. 12-6,7)**



d. Use socket wrench to tighten.

e. Reassemble rear seat.

1. Tighten the seat bolts by hand at first to ensure proper alignment. If there is too much resistance, start over again and double check the alignment. Tighten all four seat bolts.



### 13. Acoustic Correction Filter Installation

Slide the passenger seat forward to gain access to the factory JBL amplifier. **(Fig. 13-1)**



Unplug the middle factory connector from the factory amplifier. (Fig. 13-2)



Connect the middle factory female factory amp connector to the male connector of the Acoustic Correction Filter and connect the Acoustic Correction Filter to original connector location of the factory amplifier. (Fig. 13-3,4)



#### 14. Fuse Installation

- a. Insert the 30A fuse. (Fig. 14-1)

#### 14. This concludes the OEM Audio Plus JBL ENHANCEMENT Installation for the TOYOTA TUNDRA CREWMAX.

- a. Start your engine.
- b. Turn on your radio.
- c. Enjoy!

