

Kit Contents: OEM Audio Plus Reference/System Series

Item 1 *	Item 2 *	Item 3 *	Item 4	Item 5	Item 6
					
Item 7	Item 8	Item 9	Item 10	Item 11	
					

*** Item applies to Reference 400CF ONLY**

Hardware Content		
Item	Quantity	Description
1	2	1" Soft Dome Tweeter with Neodymium Magnet*
2	2	6"x9" Carbon Fiber Woofer*
3	2	6.5" Carbon Fiber Coaxial Rear Speaker*
4	1	8" Carbon Fiber Subwoofer in Custom Fit Sealed Enclosure
5	1	Amplifier Module (1) DSP Amplifier (1) Subwoofer Amplifier
6	1	Amp Bracket Support
7	1	Quick-Sync Wiring Harness
8	1	Subwoofer Umbilical cable
9	1	Fuse Holder Assembly
10	2	1- 30 Amp Fuse 1- 20 Amp Fuse
11	1	Corrugated Loom
12	10	Cable Ties (Not pictured)

Recommended Tools	
Personal & Vehicle Protection	Notes
Safety Goggles	
Protective Blanket	
Safety Gloves	
Special Tools	Notes
Panel Clip Removal	SST # 00002-06001-01
Socket Wrench	
Sockets	10mm, 14mm
Socket Extension	6"
Screwdriver	#2 Phillips
Side Cutters	
Wire Strippers	Needed for 12g & 14g butt Sealed-Crimp-Solder Connectors
Heat Gun	Needed for 12g & 14g
Installation Tools	Notes
Masking Tape	
Foam Tape	
Cable Ties	10 piece bundle included
Special Chemicals	Notes
Lubricant	For Pulling Wire Through Grommet
Silicone Sealant	For Sealing Grommet



Legend	
	STOP: Damage to the vehicle may occur. Do not proceed until process has been complied with.
	TOOLS & EQUIPMENT: Used in Figures to call out the specific tools and equipment recommended for the process.

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Accessory Installation Practice (read before installation)

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 cover such items as:

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

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

Revisions and other installation assets

OEM Audio Plus is committed to providing components and instructions designed for seamless integration. Please visit oemaudioplus.com for the most up to date installation related documents and media.

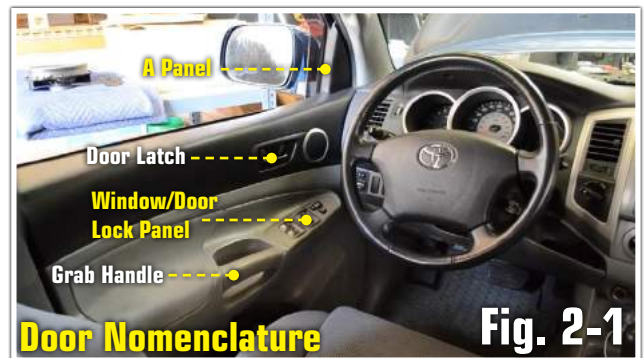
Important Warranty Information

Failure to completely and properly Warranty Registration may result in possible reduction or complete denial of future warranty claims. Complete yours today at oemaudioplus.com/registration or call: 855 OEM ODIO for more details and alternative methods of system registration.

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.



****Section 2 is for Reference 400CF Only****

2. Front Door Speaker Installation

- a. Remove Door Panels
 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)**



2. Disengage door locking tab. **(Fig. 2-3)**



3. Use a panel tool to remove the window/door lock control panel. **Note:** Insert tool between the front edge of the panel of the trim to remove. **(Fig. 2-4)**



4. Disconnect window/door lock control connectors from the panel. Use of a pick tool or precision screwdriver is needed to release connector. **(Fig. 2-5)**



5. Use a pick tool to remove the cover behind the interior door latch. **(Fig. 2-6)**



6. Remove #2 Phillips screw behind the door latch.

7. Use a pick tool to remove the cover below door grab handle and remove the #2 Phillips screw behind the cover.

8. Use panel tool to disengage the clips behind the door panel one at a time. Start at the bottom, then the sides, and finish at the top. Use gentle force to remove door panel. **(Fig. 2-7)**



10. Set door panel aside.

b. Install 6x9 speaker

1. Disconnect the 6x9 speaker connector.
(Fig. 2-8)



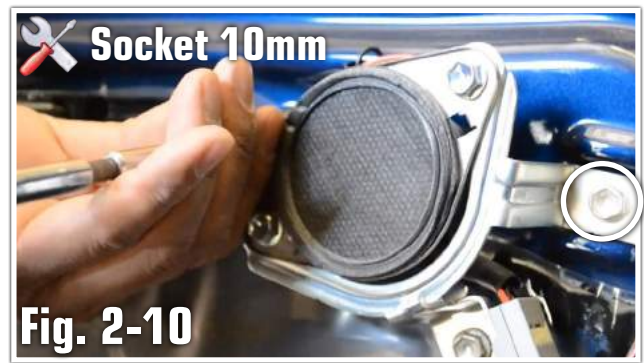
2. Remove the four 10mm bolts holding the factory 6x9 speaker in place and remove speaker. **(Fig. 2-9)**

3. Mount the 6x9 OEM Audio Plus speaker by using the four 10mm bolts and re-install 6x9 speaker connector.

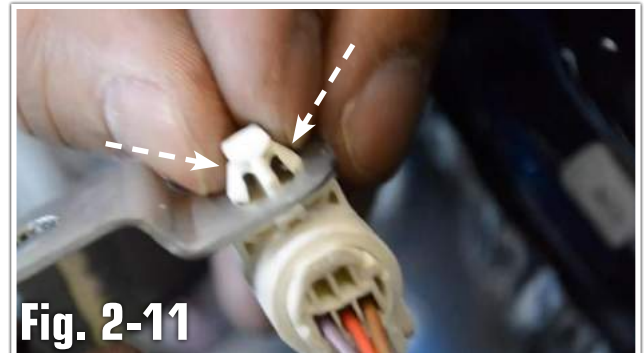


c. Install OEM Audio Plus 1" Tweeter

1. Remove the two 10mm bolts holding the factory speaker in place. **(Fig. 2-10)**



2. Disengage clip holding side mirror control connector housing to speaker bracket. **(Fig. 2-11)**



3. Disconnect factory dash speaker and remove. **(Fig. 2-12)**



4. Position OEM Audio Plus 1" Tweeter in position and re-install dash speaker connector.

(Fig. 2-13)

5. Mount the OEM Audio Plus dash speaker by using the two 10mm bolts.



****For steps on swapping your factory dash speaker connector with your O+ tweeter (If applicable). See included addendum. ****

- d. Reassemble door in reverse order - taking time to ensure all clips are engaged.



****Section 3 is for Reference 400CF Only****

3. Rear Door Speaker Installation

- a. Remove door panels
 1. Use a pick tool to remove the cover behind the interior door latch. **(Fig. 3-1)**
 2. Remove #2 Phillips screw behind the door latch.
 3. Remove the #2 Phillips screw in the door grab handle cavity **(Fig. 3-2)**. Lift grab handle straight up with gentle force to remove.
 4. Disengage door locking tab. **(Fig. 3-3)**



5. Remove door pillar by prying away from door assembly. Disengage any clips that remain in the door and return to panel. **(Fig. 3-4)**



6. Use a panel tool to remove the window control panel. **(Fig. 3-5)**

7. Disconnect window control connector from the panel.



8. Use gentle force to remove door panel. Start at the bottom, then the sides and finish at the top. **(Fig. 3-6)**



b. Install 6.5" OEM Audio Plus speaker

1. Disconnect the 6.5" factory speaker connector. **(Fig. 3-7)**

2. Remove the three 10mm bolts holding the factory 6.5" speaker in place and remove speaker.



3. Mount the 6.5" OEM Audio Plus speaker by using the three 10mm bolts and re-install 6.5" speaker connector. **(Fig. 3-8)**

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



4. Prepping for subwoofer umbilical run

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

b. Remove the drivers side front threshold.



c. Loosen seatbelt trim weather-stripping by hand and remove carefully in an outward direction on both the front and rear passenger side thresholds. **(Fig. 4-2)**



d. Remove the lower seatbelt mounting bolt cover and bolt (14mm). **(Fig. 4-3)**



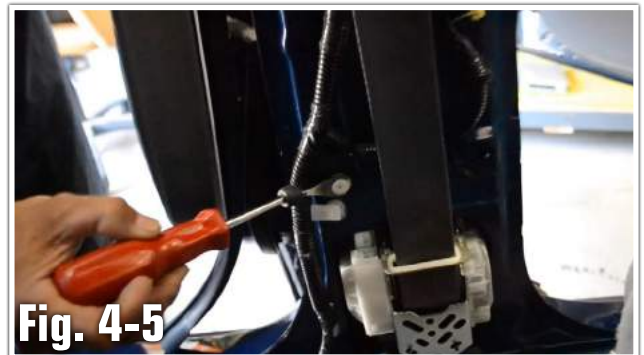
e. Disengage drivers side seat belt trim panel by pulling directly towards you from the lower portion of the panel and working your way up disengage clips.

(Fig. 4-4)



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

(Fig. 4-5)



5. Subwoofer Installation

a. Fold rear drivers side seat forward and remove hardware trim covers by pulling in an upward direction. **(Fig. 5-1, 5-2).**



- b. Using a 14mm socket, remove the two 14mm seat bolts securing the seat back rest in position. Remove seat back rest. **(Fig. 5-3)**



- c. Using a 10mm socket, remove the three 10mm bolts securing the rear storage panel from behind the drivers side rear seat. **(Fig. 5-4)**



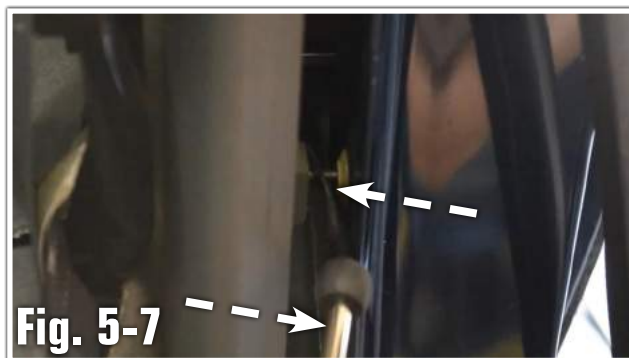
- d. Hold the panel and disengage the front and top edge snaps one at a time while simultaneously pulling the panel towards you. Remove panel. **(Fig. 5-5)**



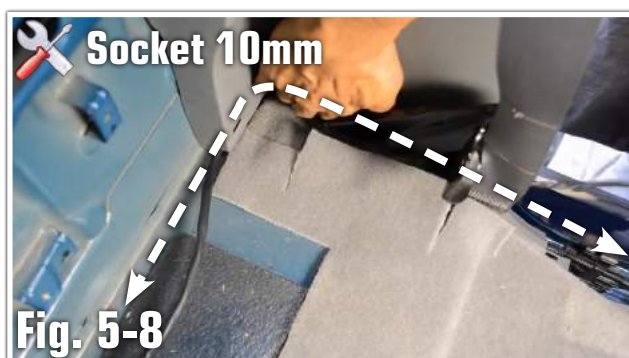
- e. Remove the weather-stripping on the rear driver side door to access the side/rear panel. **(Fig. 5-6)**



f. Apply pressure to the panel pushing towards the passenger side to disengage the locking clips. The bottom-locking clip of the panel may require a panel tool to disengage. Position the tool between the tab and the frame of the vehicle and pry open. **(Fig. 5-7)**



g. You'll need just enough room to run the umbilical cable to the drivers side of the passenger side bench. Tuck the umbilical along the side/rear panel using cable ties as necessary for a clean run. **(Fig. 5-8)**



h. Continue to run the length of the wire alongside the drivers-side threshold towards the front of the truck. Lock plastic clips after running the wire through. Once getting to the seat belt trim lay the subwoofer cable connector for the time being. **(Fig. 5-9)**



i. Position the rear storage panel back in the vehicle running the sub connector through with 3 inches of slack remaining once panel is in rested position. Reinstall rear storage panel ensuring all clips are engage and hardware. **(Fig. 5-10)**



- j. Connect subwoofer umbilical cable to OEM Audio Plus Sub Enclosure. **(Fig. 5-11)**



- k. Slide Sub Enclosure into panel cavity until it rests in place. **(Fig. 5-12)**



- l. Reinstall seat back rest and trim covers.

6. Amplifier Installation

- a. Remove seats

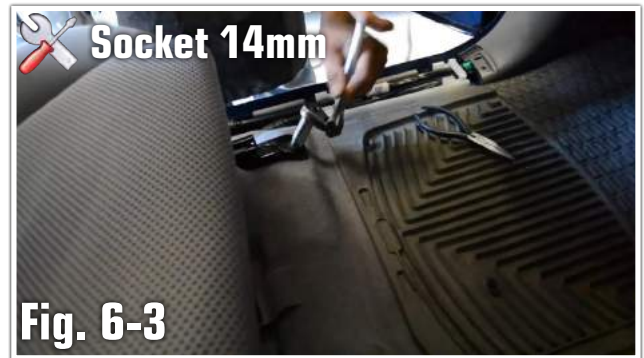
1. Slide the seats forward and remove the trim panels covering the seat bolts on the rear side of the seats. Locate the slots in the trim covers and pry them off using the forked end of your trim tool. **(Fig. 6-1)**



2. Using a 14mm socket with a 6" extension, remove the two rear 14mm seat bolts. **(Fig. 6-2)**



3. Slide seats to the rear and remove the two front 14mm seat bolts. **(Fig. 6-3)**



b. Mount amplifier

1. Disconnect the two connectors underneath the seat and remove the cable mounting clip. These will be rearranged to accommodate amplifier mounting. **(Fig. 6-4)**



2. Tilt the seats towards the rear of the car.

3. Install and position the 1.0x19.5mm speed clip so that it aligns with the two inner center holes on the under seat frame that factory connectors utilize. **(Fig. 6-5)**



4. Position amplifier assembly so rear bracket hooks on rear most sinuous spring and front bracket arm rests on the under seat front frame. **(Fig. 6-6)**



5. Position O+ amplifier bracket support into position and install provided 10mm bolts. Amplifier Connector receptacles will face the drivers side of the vehicle. **(Fig. 6-7, 6-8)**



7. Finalizing subwoofer umbilical run

a. Continue to run subwoofer umbilical alongside the factory threshold toward the drivers seat. Disengage and reengage black plastic cable clips along the way. Zip tie as necessary. **(Fig. 7-1, 7-2)**



b. Unfasten white plastic carpet clips along the threshold area and lift carpet edge to expose cable route. **(Fig. 7-3)**



c. Run the cable under the carpet and exit under the seat through the opening used by the existing factory wiring - pull about 12 inches of slack. **(Fig. 7-4)**



d. Reinstall the rear weather stripping, drivers side seat belt trim and rear threshold panel. **(Fig. 7-5, 7-6)**



8. Quick-Sync Wiring Harness install

- a. Run Quick-Sync Harness and install ground
 1. Remove the dead pedal in the driver-side kick panel area. Using the panel tool, wedge this piece out of place and pull directly toward you.

(Fig. 8-1)



2. Remove the driver-side threshold and driver-side kick panel by unscrewing the black locking tab. **(Fig. 8-2)**



3. Continue routing the Quick-Sync Wiring Harness radio connects and power wire towards the driver sidekick panel area. Use cable ties as necessary and leave wires in kick panel floor area for time being. **(Fig. 8-3)**



4. Run the Quick-Sync Harness' amplifier connectors and ground under the carpet opening from the front driver's side threshold to the opening used by the factory wiring that connects under the seat. **(Fig. 8-4, 8-5)**





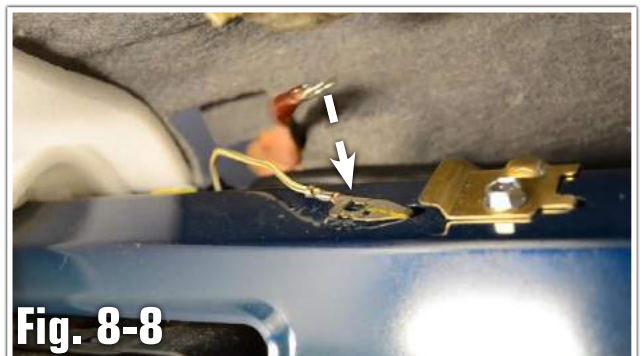
5. Leave about 6-10 inches of slack for the white, gray and black connectors from the carpet opening. **(Fig. 8-6)**

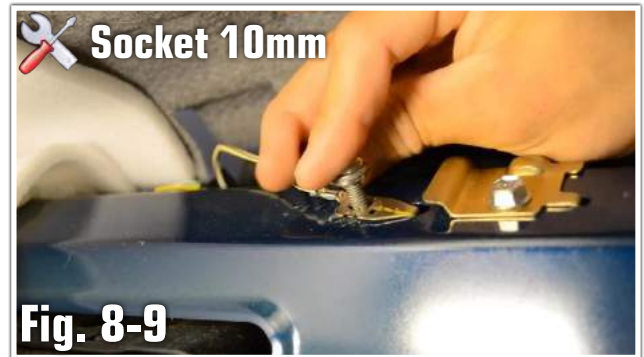


6. Locate the factory ground underneath the carpet and remove the 10mm ground bolt. **(Fig. 8-7)**



7. Install the harness ground together with the factory ground and re-install the 10mm bolt. **Note:** Make sure harness ground terminal rests on top of the factory ground terminal. **(Fig. 8-8, 8-9)**





b. You will be left with the White, Gray and Black connectors of the Quick-Sync Wiring Harness and the gray connector of the Subwoofer Umbilical.

(Fig. 8-9)



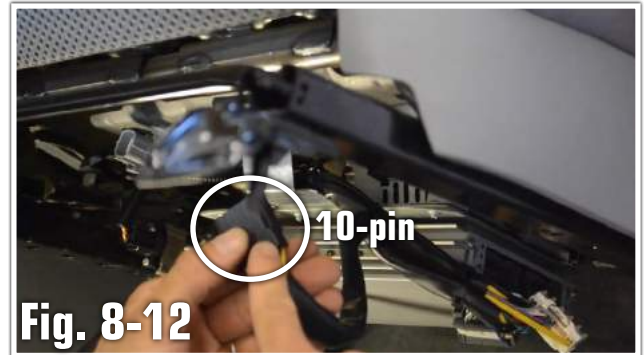
c. Run the Quick-Sync Wiring Harness neatly and out of the way over the amplifier bracket. **(Fig. 8-10)**



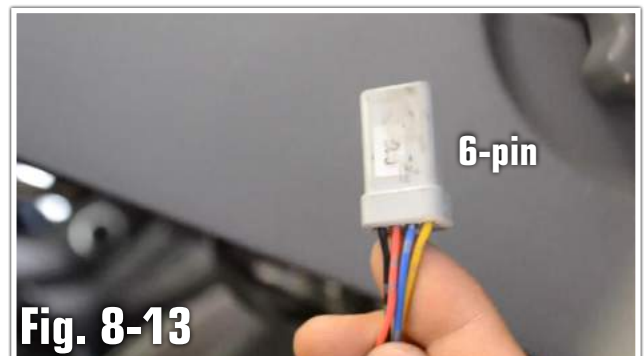
d. Plug the White and Gray 22-pin connectors from the Quick-Sync Harness into their designated receptacles on the DSP Amplifier. White connector inserts into the receptacle towards the rear of the vehicle. **(Fig. 8-11)**



e. Plug the Black 10-pin connector from the Quick-Sync Harness into its designated receptacle on the Sub Amplifier. **(Fig. 8-12)**



f. Plug the 6-pin Gray connector from the Sub cable into its designated receptacle on the Sub Amplifier. **(Fig. 8-13)**



g. Reposition factory-under-the-seat-connectors utilizing open slots on under seat frame. Reconnect connectors. **(Fig. 8-14)**



h. Return seat back in place and confirm that the seat bolt holes are lining up. **(Fig. 8-15)**



- i. 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.

(Fig. 8-16)

- k. Finish tightening all four seat bolts using your 14mm socket and ratchet



9. Radio removal



- a. Lay down protective blanket over transmission area.
- b. Remove climate controls trim panel by inserting plastic trim tool to loosen the bottom edge and carefully pry away by hand. **(Fig. 9-1)**
- c. Disconnect climate controls connectors. **(Fig. 9-2)**
- d. Using a 10mm socket wrench, remove the four (4) bolts holding the radio in place. **(Fig. 9-3)**





e. Remove radio trim panel by inserting plastic trim tool to loosen the top edge and carefully pry away by hand. Disconnection of hazard light connector is necessary for radio trim removal. Disconnect connectors and antenna lead. **(Fig. 9-4, 9-5)**

f. Remove radio and store.



Fig. 9-4



Fig. 9-5

10. Quick-Sync Wiring Harness continued

a. Run radio side of harness above the accelerator pedal and steering column towards radio cavity. Run neatly and out of the way. Use cable ties as necessary. **(Fig. 10-1, 10-2)**



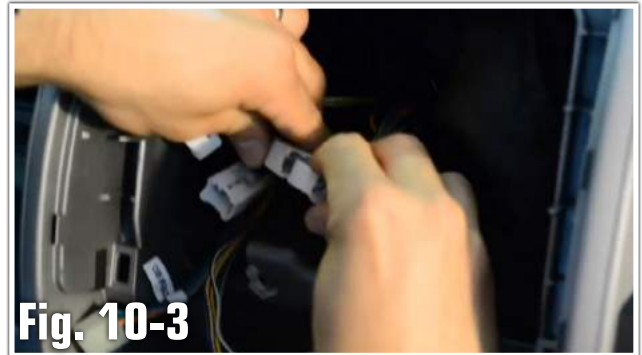
Fig. 10-1

b. Route the harness towards the radio cavity until connectors are visible.

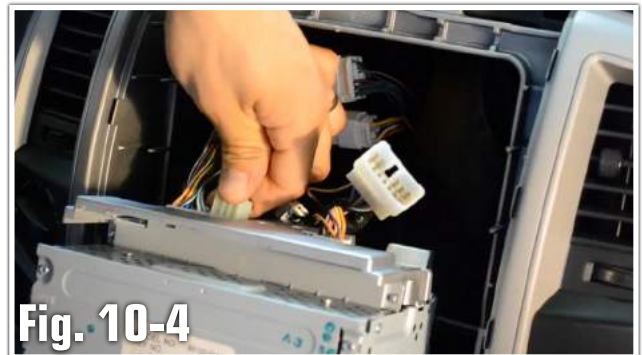


Fig. 10-2

c. Connect the Quick-Sync Harness into the Radio and factory harness using the designated connectors. **(Fig. 10-3)**



d. Re-install radio, trim panels, and climate controls in reverse order. **(Fig. 10-4)**



11. Power wire installation

a. Under the hood on the driver-side, locate the grommet for the main factory wiring harness on the driver side of the firewall directly above factory wiring. **(Fig. 11-1)**



b. Identify unused nipple and slice the tip off to create an opening for the power wire. **(Fig. 11-2)**



c. Under the dash area on driver-side, lubricate power wire with silicone spray or comparable substitute. Run through the grommet. The wire will only go so far due to the positioning of the factory wiring under the hood. **(Fig. 11-1, 11-2)**



d. Once enough slack is visible, pull the full length of the power wire through under the hood. You want just enough length to reach your battery. Cut any additional slack. **Note:** Avoid interference with accelerator and brake pedals. **(Fig. 11-3)**



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

f. Install supplied high-temp corrugated split loom to cover the power wires and insulate against extreme temperature under the hood. **(Fig. 11-4)**



g. Run power wires to the battery by following the direction of the factory wiring harness towards the battery. Secure using cable ties as necessary.

(Fig. 11-5)



h. Use a wire stripper to strip 3/8" off the end of each power wire. **(Fig. 11-6)**



i. Connect the power wires to the fuse holder by inserting the (smaller) 14-gage stripped power wire into the Blue butt connector and crimp. **(Fig. 11-7)**



j. Insert the (larger) 12-gage stripped power wire into the Yellow butt connector and crimp. **(Fig. 11-8)**



- k. Apply heat to activate the solder and heat shrink insulator for the best connection possible. **(Fig. 11-9)**



12. Installation of the Fuse Holder

- a. Remove the 10mm bolt from the battery's positive terminal. **(Fig. 12-1)**



- b. Install the ring terminal of the fuse holder lead. **(Fig. 12-2)**



- c. Re-install the 10mm bolt and tighten. **Note:** Do not install fuses at this time. **(Fig. 12-3, 12-4)**





d. Install the fuses. **(Fig. 12-5)**

e. Reconnect the battery and close the hood.



**13. This concludes the OEM Audio Plus SYSTEM 400+ and
REFERENCE 400CF Installation for the TOYOTA TACOMA
DOUBLE CAB.**

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