



## PSUTA15

Designed for 2015 and newer Chevrolet Tahoe and Suburban  
*Not compatible with Bose® Audio*



Amplifier Assembly



Amplifier Power  
Harness



Amplifier Body  
Harness



Fuse  
Wire Ties x 6



## Wire Routing

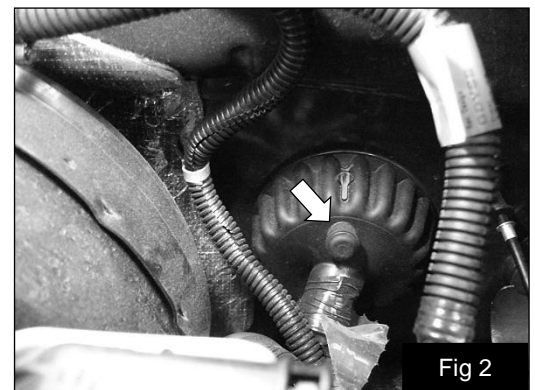
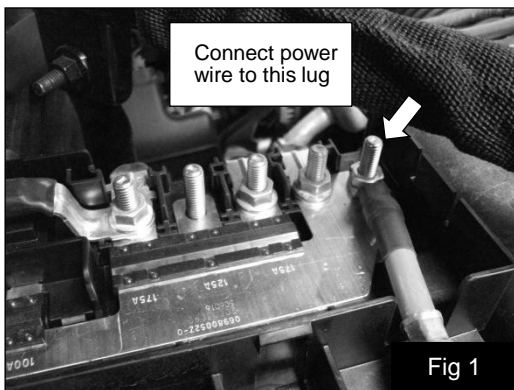
1. Disconnect negative battery cable from battery.

**Note: On vehicles equipped with dual batteries, disconnect negative battery cable from both batteries.**

2. Remove the red battery terminal cover and then the power distribution cover next to the battery on the passenger's side.
3. Remove the fuse from the fuse holder on the amplifier and subwoofer power harnesses. Connect the ring terminals of both harnesses to the power lug closest to the front of the vehicle and torque to 9 +/- 1.5Nm. Fig. 1

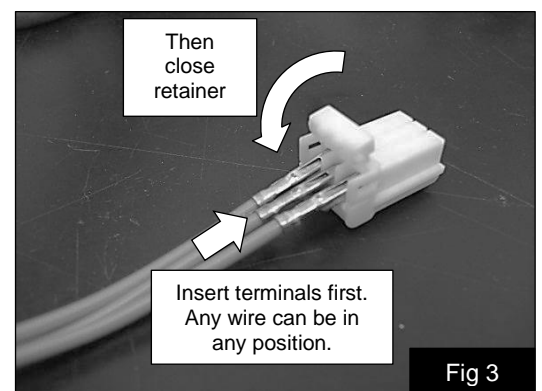
**Note: Depending on year model, appearance of the power distribution area may differ slightly from Fig. 5. Regardless, use the power lug closest to the front of the vehicle.**

4. Route the power wire along the fire wall to the factory grommet on the driver's side and secure with wire ties.
5. Using a razor knife, make a cross shaped incision in the protrusion of the large rubber grommet and feed the power wires straight through the hole on the cabin side of the grommet. Fig. 2



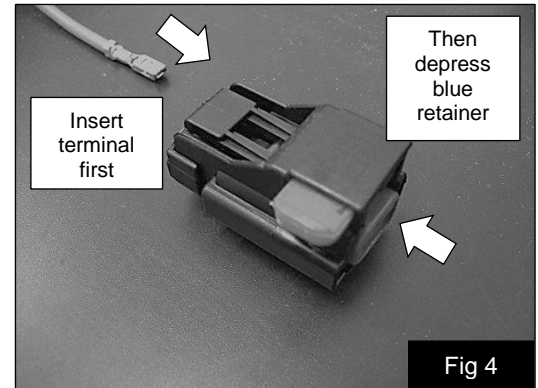
6. Install the white three pin power connector on the amplifier power harness and close the retainer. Fig. 3

**Note: The terminals are keyed so that they only install one way. If the terminal doesn't want to slide completely into the connector, it may need to be rotated 180 degrees. It does not matter which red wire goes in what position of the connector.**

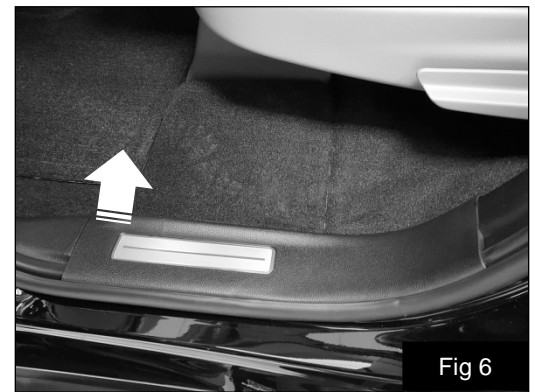


7. Install the black two pin power connector on the subwoofer power harness by first inserting the terminal fully into the connector and then depressing the blue retainer. Fig. 4

**Note: Make sure the blue retainer in the center of the connector is not depressed – it should be flush with the front of the connector. If the retainer is depressed, the terminal will not fully seat in the connector body. Make sure the terminal is installed into position 1 on the connector body. There should be a block-out plug installed in position 2 in order to prevent the terminal from being installed into the wrong position on the connector.**

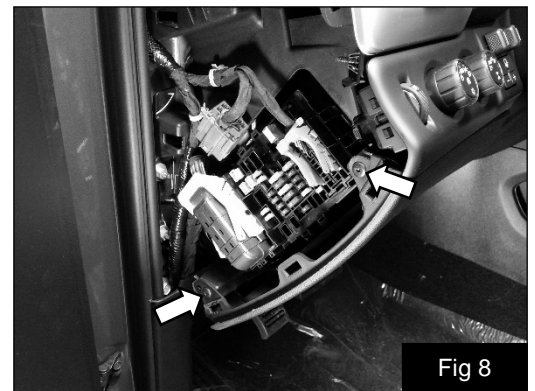


8. Using a panel removal tool, pry loose the driver's side front and rear threshold panel along the bottom of the door openings. Fig. 5 & 6



9. Pry loose the dash end panel on the driver's side. Fig. 7

10. Remove the two screws securing the side of the panel below the steering column. Fig. 8



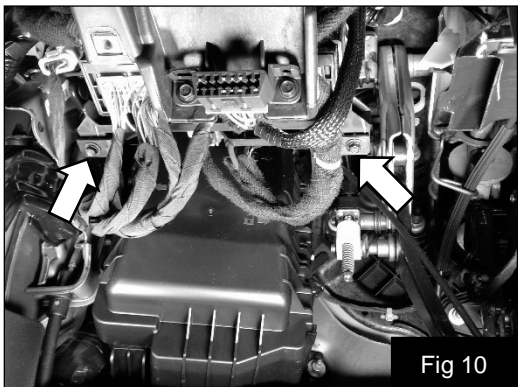
Remove the two screws securing the bottom of the panel below the steering column and pull the panel loose. Fig 9



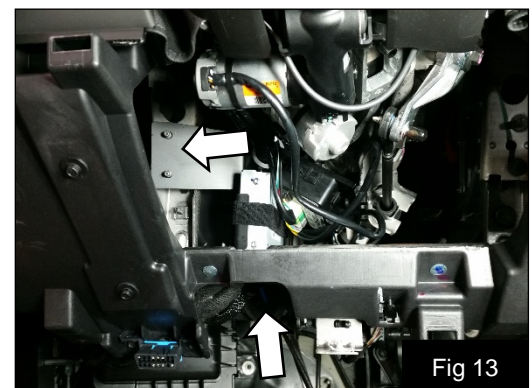
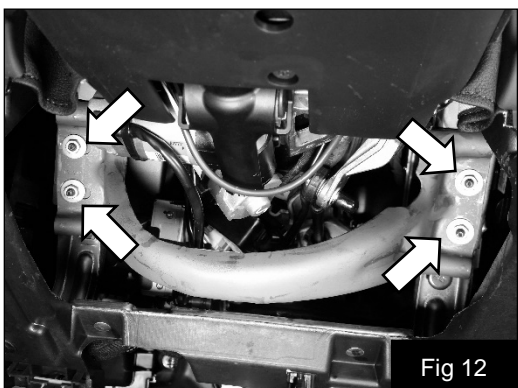
## 2017 Year Model Only – Module Relocation (for all other year models, proceed to step 15)

**Note:** 2017 Year Model vehicles require the relocation of a module in order to gain sufficient space to mount the amplifier. Follow steps 11-14 to relocate the factory module.

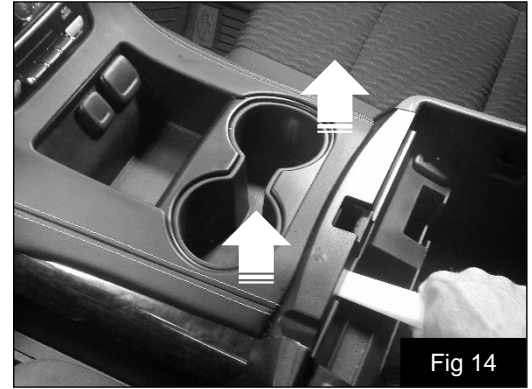
11. Remove the two screws securing the factory module bracket under the driver's side dash and pull the module and bracket down. Fig.10
12. Secure the module to the provided relocation bracket exactly as shown in Fig.11.



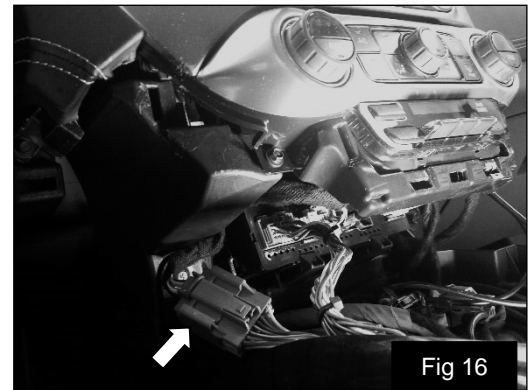
13. Remove the four nuts securing the knee bolster under the steering column. Fig.12
14. Install the relocation bracket and module over the knee bolster studs as shown in Fig.13. Reinstall the knee bolster and reinstall nuts and tighten to 9Nm. Secure the module wire harness by inserting the factory wire retainer into the hole on the bottom of the relocation bracket.



15. Open the console lid and pry the top portion of the console up in the rear and then straight back to remove. Disconnect wiring. Fig. 14

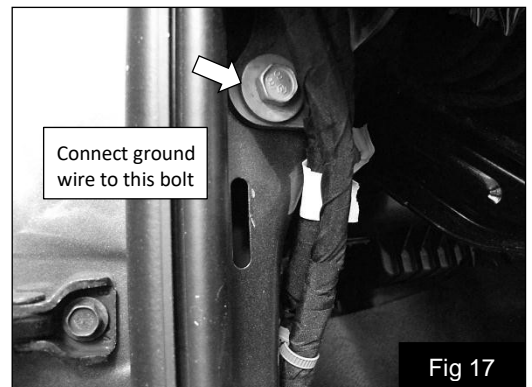


16. Route the amplifier harness through the front of the console and across the dash toward the driver's kick panel area. The white connectors will connect to the amplifier.
17. Disconnect the radio speaker/power connector Fig. 15
18. Connect the radio speaker/power connector to the corresponding amplifier harness connector. Connect the remaining amplifier harness connector to the radio. Make sure the connector is fully seated. Fig. 16



19. Connect the amplifier power harness three-pin connector to the amplifier harness three-pin connector.
20. Connect the subwoofer power harness two-pin connector to the subwoofer harness two-pin connector.
21. Connect the white two-pin signal connector on the subwoofer harness to the white two pin connector of the amplifier harness.

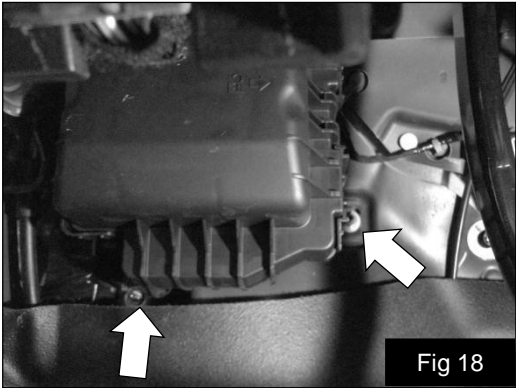
**Note: There are input connection points on both ends of the subwoofer harness. Only one of the two connection points will be used depending on whether the vehicle is equipped with premium or base audio.**



22. Connect the black ground wire of both the amplifier and subwoofer harness to the bolt next to the park brake pedal indicated in Fig 17 **Torque to 9 +/- 1.5 Nm.**

## Amplifier Mounting

23. Remove the lower left and lower right nut securing the junction box behind the parking brake pedal. Fig. 18
24. Connect the amplifier harness to the amplifier.
25. Slide the amplifier/bracket assembly over the junction box studs and on top of the junction box and reinstall the nuts. Torque to 17 Nm. Fig. 19



## Subwoofer Installation

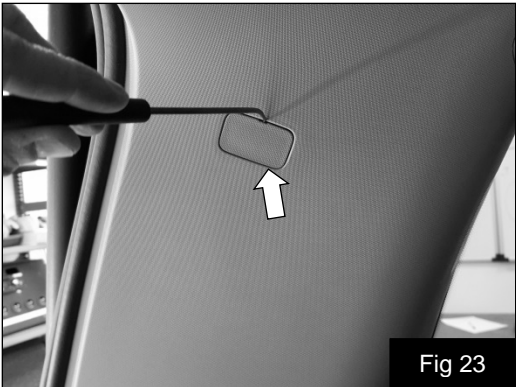
26. Open the storage compartment lid and locate the two knobs underneath the rubber liner that secure the storage compartment to the vehicle. Unscrew the knobs and lift the storage compartment out of the vehicle. Fig 20



27. Using a panel removal tool, pry loose the upper and lower cargo door sill plate. Fig 21 & 22



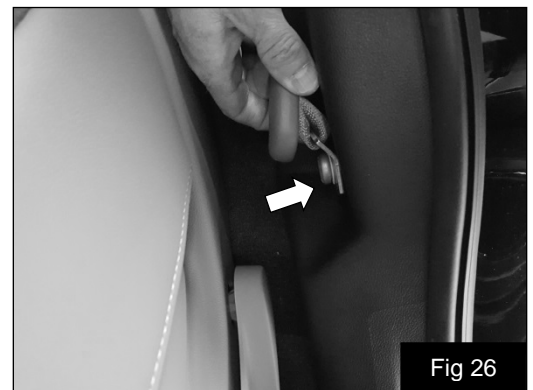
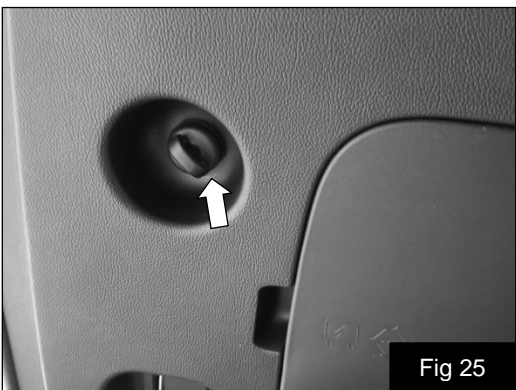
28. Using a panel removal tool pry loose the screw cover on the driver's side C and D pillar post cover and remove the screws securing both covers. Pry loose the C pillar post cover and lay aside. Pry loose the D pillar post cover, disconnect speaker wiring and lay aside. Fig 23
29. Using a pick tool, snap loose the cover on the driver's side cargo D-ring to reveal the bolt securing the D-ring and remove the bolt. Fig 24



30. Unscrew the cargo-net anchor knob on the driver's side. Fig 25

**Note: The knob may unscrew from the threaded stud. If so, use a pair of pliers to remove the stud being careful not to damage the threads. Replace plastic knob onto the stud for reassembly later.**

31. Slide the driver's side second row seatbelt trim cover up to reveal the seatbelt bolt and remove the bolt. (Tahoe/Yukon only) Fig. 26 Torque to 45Nm.



32. Using a panel removal tool, pry loose the driver's side quarter panel cover. Disconnect the rear 12-volt accessory port wiring and the rear folding seat switch wiring (if equipped) and lay the quarter panel cover aside in the cargo area.
33. Continue routing the subwoofer harness down the driver's side of the vehicle to the rear quarter panel. Open the cover of the wire tray along the threshold of the door, install wire and replace the tray cover.



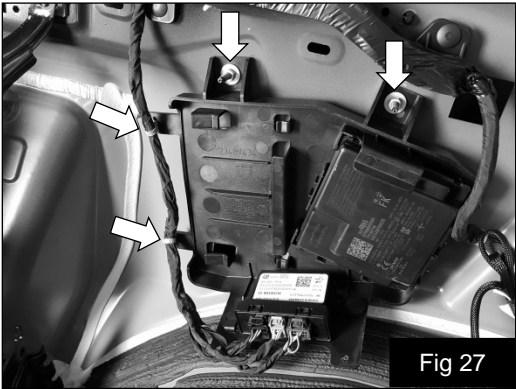
34. Locate the factory module bracket and remove the two nuts securing it. Fig 27

35. Pry the module wire retainers from the factory bracket. Fig 27

**Note: Depending on the vehicle trim level, there may be one or two modules attached to the bracket. The module(s) will need to be relocated using the supplied relocation bracket in order for the subwoofer to be installed.**

**Note: Do not disconnect the module wiring. Modules wiring is shown disconnected in some pictures only for clarity of installation.**

36. Pry out the center portion of the plastic retainer securing the smaller module and then the outer portion. Remove the module from the factory bracket. Fig 28



37. If equipped, remove the larger module by snapping it out of the factory bracket.

38. Pull the factory module bracket from the metal and discard.

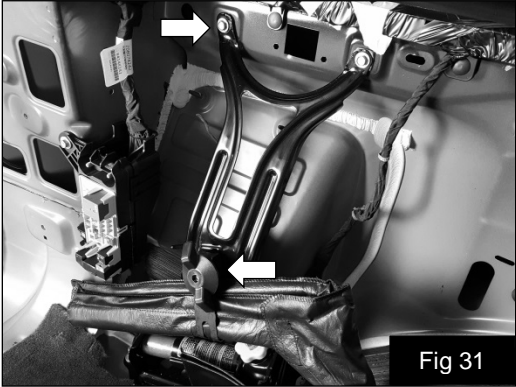
39. If equipped with two modules, slide the larger module into the relocation bracket first as shown in Fig 29

40. Using the supplied bolt and plastic fastener, install the smaller module over the top of the larger module as shown in Fig 30

**Note: The connectors on the smaller module face the opposite direction as the connectors on the larger module. The smaller module mounts the same way regardless of whether or not there is a second module.**



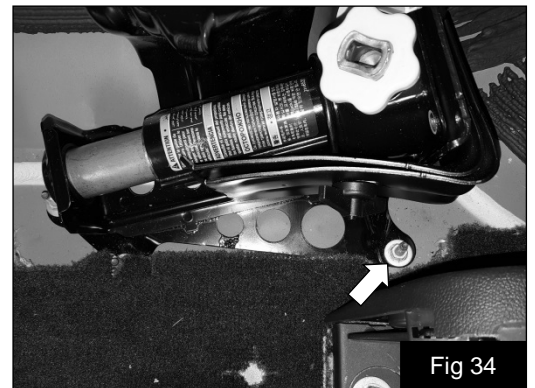
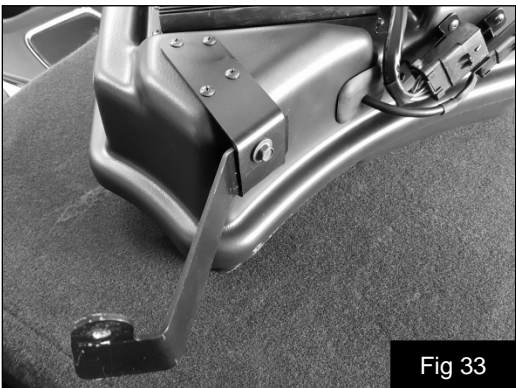
41. Unscrew the jack tool-bag knob and remove the tool-bag. Fig 31
42. Remove the bolt indicated in Fig 31
43. Install the module relocation bracket as shown in Fig 32 and reinstall bolt.



44. There are two lower subwoofer brackets provided depending on the wheelbase of the vehicle. For Tahoe/Yukon use the longer bracket. For Suburban/Yukon XL use the shorter bracket. Determine the lower subwoofer bracket needed and attach it to the subwoofer using the supplied nut and bolt as shown in Fig 33

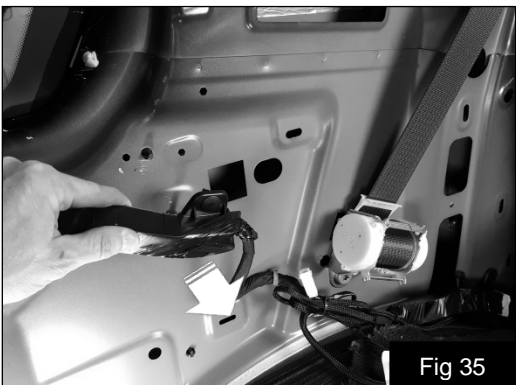
**Note: The lower subwoofer bracket should overlap the bracket attached to the subwoofer as shown. The nut should be installed on the side closest to the subwoofer. Leave the nut and bolt slightly loose so the lower bracket can slide.**

45. Remove the nut that secures the jack bracket indicated in Fig 34



46. Pull the factory wire harness slightly away from the metal in order for the subwoofer upper bracket to pass under the factory wire harness. Fig 35

47. Hold the subwoofer at about a 45-degree angle and slide the lower subwoofer bracket over the jack stud. Fig 36



48. Swing the subwoofer into position and over the studs where the factory module bracket attached. Install the nuts and tighten. Fig 37

**Note: The lower set of holes in the upper bracket are for Tahoe/Yukon and the upper set of holes are for Suburban/Yukon XL**

49. Reattach the factory wire harness to the metal.

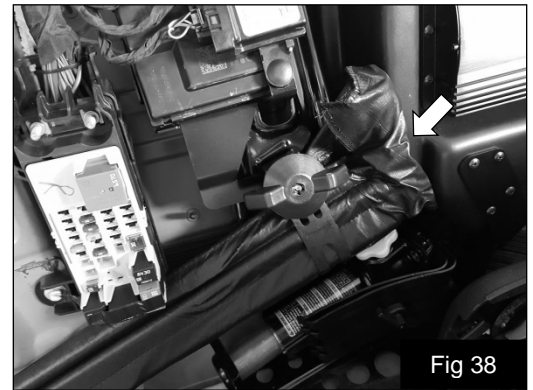
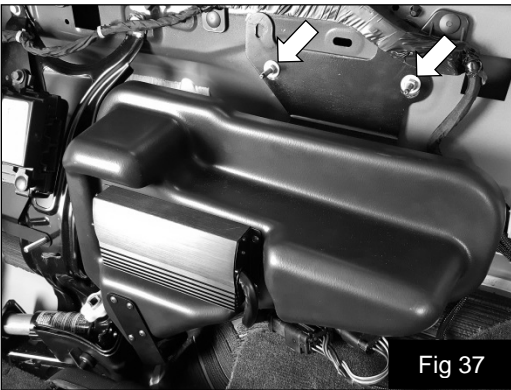
50. Install the nut on the jack stud and tighten.

51. Tighten the nut and bolt attaching the subwoofer lower bracket to the subwoofer.

52. Connect the ten-pin and four-pin subwoofer connectors to the subwoofer.

53. Install the jack tool-bag as shown in Fig 38.

**Note: The tool-bag will be positioned more aft of its original position but will not interfere with reassembly of quarter panel cover.**



54. Reinstall panels in reverse order.

55. Install fuse in fuse holder.

56. Reconnect negative battery cable(s). **Torque to 17Nm**

## Troubleshooting the Kicker Integrated Systems

If you experience a problem once the subwoofer or amplifier are installed use this guide to locate the trouble.

### The radio is working, but the Subwoofer is not working:

- Check the battery voltage to make sure it is not discharged below 11 volts.
- Check the negative battery cable to see if it has been securely tightened back on the battery.
- Check the inline fuse located near the battery to make sure it is plugged in completely, and not blown.
- Check the inline +12 volt power connector near the firewall to make sure it is plugged in securely.
- Check the inline connectors near the subwoofer enclosure to make sure they are plugged securely.
- Check the ground wire connection to make sure it is tightly secured to the proper ground in the vehicle.
- Check the audio input signal connection to make sure it is secure and connected to the proper wiring.
- Test with different music in case there is no low frequency audio in the initial sound check.

### There is a problem with the multi-channel stereo amplifier:

- Check the battery voltage to make sure it is not discharged below 11 volts.
- Check the negative battery cable to see if it has been securely tightened back on the battery.
- Check the inline fuse located near the battery to see if it is plugged in completely and not blown.
- Check the multi-pin connectors at the back of the radio and at the amplifier chassis to make sure they are plugged all the way in.
- Check the ground wire connection to make sure it is tightly secured to the proper ground in the vehicle.

Symptom	Possible Cause	Solution
<b>No Subwoofer Output</b>	Fuse not installed in inline fuse holder on subwoofer and/or amplifier power harness	Install fuse into fuse holder. Refer to instructions for correct placement
	Low battery voltage	Recharge the battery
	Negative battery cable not connected	Reconnect negative battery cable
	Power wire connector not connected to body harness	Connect power wire to body harness. Check for loose connection
	Ground wire not grounded properly	Check ground wire with voltmeter to insure it is a good ground
	Balance and/or fader controls not set to neutral position	Set balance and fader control to center settings. (only affects stand-alone subwoofer kit)
	No low frequency information in music	Test with several different songs
	Subwoofer harness not properly/completely connected to subwoofer	Securely fasten both of the connectors on the subwoofer harness to the subwoofer. Check for loose connectors.
<b>Radio Not Coming On</b>	Blown radio fuse	Refer to owner's manual for radio fuse location and value
	Low battery voltage	Recharge the battery
<b>Radio Comes On, But No Sound from Any Speakers</b>	Fuse not installed in inline fuse holder on amplifier harness	Install fuse into fuse holder. Refer to instructions for correct placement
	Ground wire not grounded properly	Check ground wire with voltmeter to insure it is a good ground
	Low battery voltage	Recharge the battery

*If you continue to experience problems after troubleshooting, please contact KICKER Technical Support at (800) 256-0808 ext. 6009, or [support@kicker.com](mailto:support@kicker.com).*



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