



## PSON13

*Designed for 2013 and newer Chevrolet® Sonic vehicles without MyLink™*



Amplifier/Bracket  
Assembly



Amplifier Harness



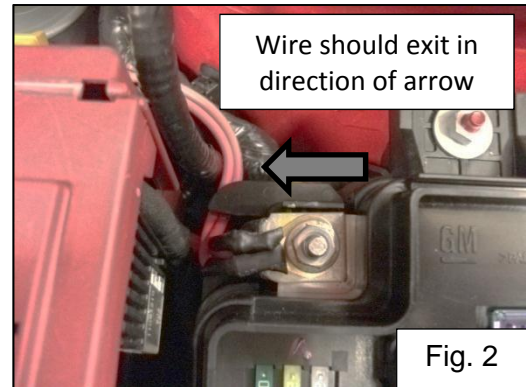
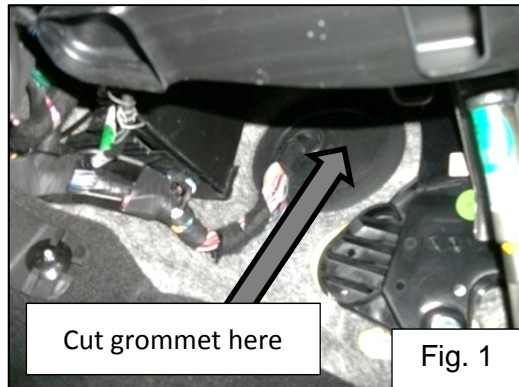
Fuse  
Wire Ties X 6



Amplifier Power  
Harness

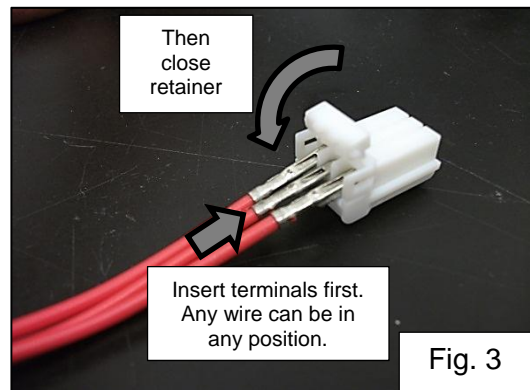
## Power Harness Routing

1. Disconnect negative battery cable from battery.
2. Using a razor knife make a cross shaped incision in the large rubber grommet from inside the vehicle and feed the power harnesses from the engine compartment to the cabin. Using a fish tape wire is recommended. Fig. 1
3. Pull the power harnesses through the grommet until the sheathing touches the grommet.
4. Remove the fuse box cover under the hood. Remove the fuses from the fuse holders on both power harnesses and connect the power harnesses to the accessory lug. Torque to 9 +/- 1.5 Nm. Make sure that the wires exit on the side closest to the battery. Fig. 2



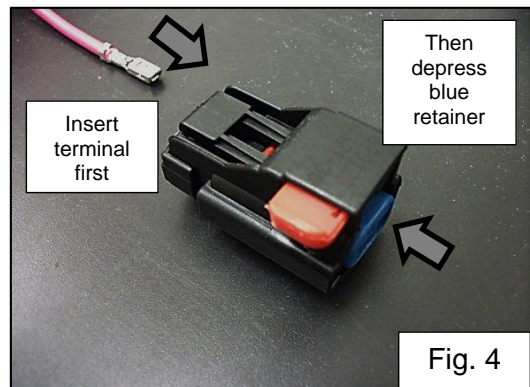
5. Install the white three pin power connector on the amplifier power harness. Close the retainer. Fig. 3

**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.



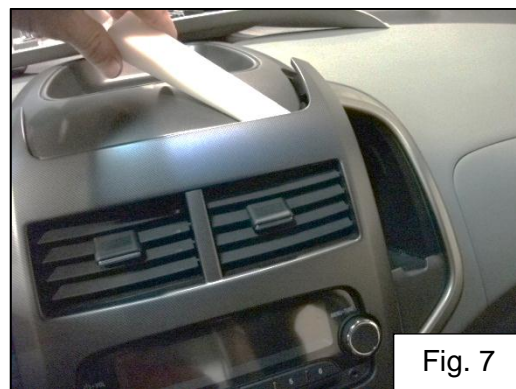
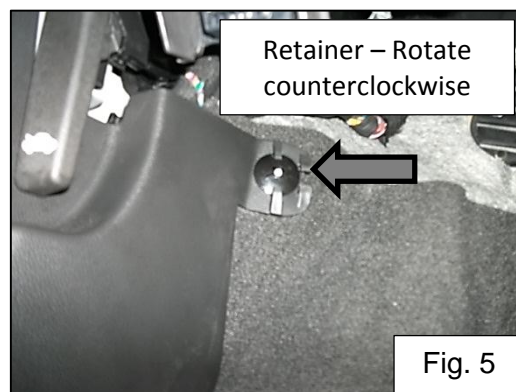
6. Install the black two pin power connector on the subwoofer power harness by first inserting the terminal fully into the connector and then depressing the blue retainer. Fig. 4

**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.

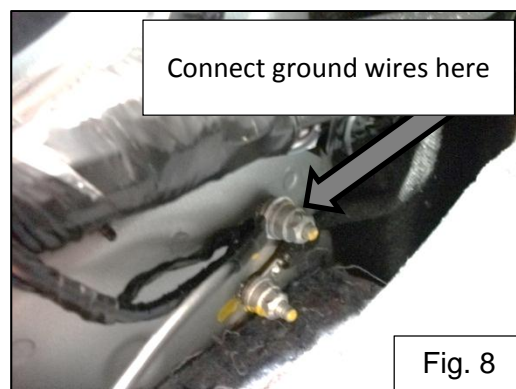


## Amplifier and Subwoofer Harness Routing

7. Remove the driver's side front kick/threshold panel by loosening the retainer at the top and then pulling loose. Fig. 5
8. Remove the driver's side rear threshold panel along the bottom of the door opening
9. Remove the lower portion of the driver's side B pillar post cover between the front and rear door opening.
10. Remove the lower portion of the rear seat by pulling straight up on the front edge.
11. Remove both of the covers directly in front of the console. The driver's side requires removing the plastic retainer with a Phillip's screwdriver and then pulling loose cover. The passenger's side has no plastic retainer and can simply be pulled off. Fig. 6
12. Remove the radio trim bezel by carefully prying loose with a plastic panel removal tool. Start at the corners and work around the bezel. Fig. 7
13. Remove the four screws securing the radio, pull radio from dash and disconnect all wiring.



14. Route the amplifier harness from the right side of the radio opening down to the area in front of the console.
15. Connect the radio speaker/power connector to the amplifier harness and push the connector up toward the air vents to allow radio enough clearance to be reinstalled.
16. Connect the other end of the amplifier harness to the back of the radio and reconnect the other radio connection then reinstall radio.
17. Route the power and ground wires of the amplifier harness under the carpet and toward the driver's side kick panel.
18. Route the white two-pin connector of the subwoofer harness under the carpet toward the amp and connect it to the white two-pin connector of the amplifier harness.
19. Connect the black ground wires of the subwoofer harness and the amplifier harness to the factory ground point near the driver's side kick panel. Torque to 9 +/- 1.5 Nm. Fig. 8

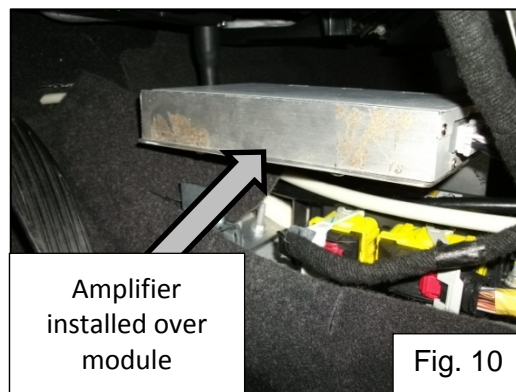
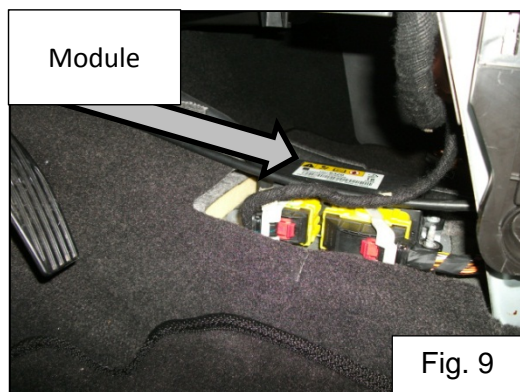




20. Connect the amplifier three-pin power connector to the three-pin power harness connector.
21. Connect the subwoofer harness black two pin power connector to the power harness two pin connector.
22. Continue running the subwoofer harness down the driver's side of the car to and under the rear seatback. It is helpful to rotate the seatback down to allow clearance for the connectors. Secure any excess harness to the factory harness under the driver's side rear threshold panel.

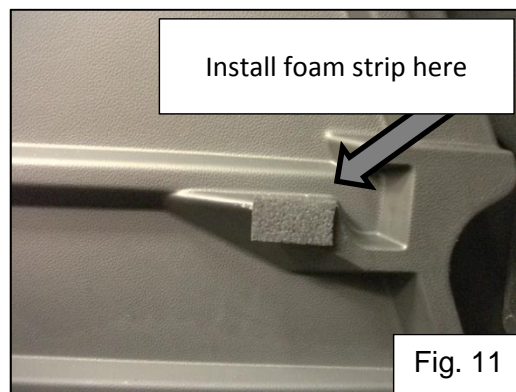
## Amplifier Installation

23. Remove the three nuts securing the SIR module on the center hump in front of the console. Fig. 9 Do NOT disconnect the wiring from the module.
24. Lift the module off the studs and set the amplifier/bracket assembly over the studs. Reinstall the module over the studs and on top of the amplifier bracket and retighten the nuts. Fig. 10
25. Connect the amplifier harness to the amplifier.



## Subwoofer Installation Hatchback

26. Remove the spare tire to retrieve the spare tire safety strap equipped with the vehicle, and then replace the spare tire. (Refer to owner's manual, beginning in section 10-67, for proper removal and reinstallation of spare tire.) The safety strap will be used to insure the sub-woofer enclosure does not strike someone in the event of a collision.
27. Place the supplied foam strip on the plastic quarter panel cover in the position shown in Fig. 11 to prevent the enclosure from contacting the panel.
28. Lay the poly bag that the subwoofer is packaged in on top of the carpet behind the driver's side seat- back. (The poly bag prevents the Velcro® from engaging the carpet prematurely. Set the subwoofer on top of the poly bag and connect the subwoofer harness.



29. Run one end of the safety strap under the bracket on the side of the enclosure and then connect both ends to the cargo tie-down on the driver's side of the car. Fig. 12 and Fig. 13



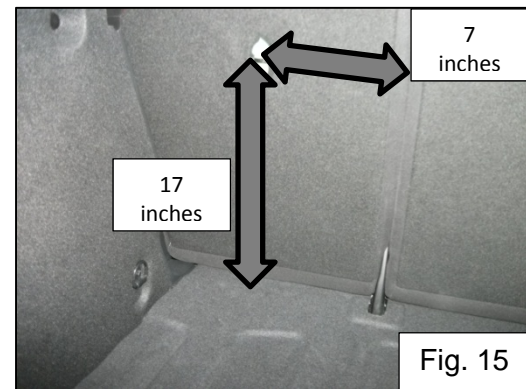
30. With the seatback in the up position set the subwoofer in place against the back of the seatback. Release the seatback and while holding the top of the subwoofer against the seatback slowly rotate the seatback forward until the subwoofer bracket slides under the anchor point on the seatback. Continue to hold the subwoofer against the seat while rotating the seatback rearward until it locks into the fully back position. Fig. 14



31. Hold firm pressure against the bottom of the subwoofer while pulling the poly bag from beneath it.

### Subwoofer Installation Sedan

32. Find the anchor point on the driver's side of the rear seatback. The anchor point is approximately 17 inches from the load floor and 7 inches left of the gap between the seatbacks. Make a vertical incision in the carpet seatback approximately 2-3 inches long. Fig. 15
33. Lay the poly bag that the subwoofer is packaged in on top of the carpet behind the seatback to prevent the Velcro® on the bottom of the subwoofer from engaging the carpet prematurely.



34. With the seatback in the up position, set the subwoofer in place against the back of the seatback. Release the seatback and while holding the top of the subwoofer against the seatback, slowly rotate the seatback forward until the subwoofer bracket slides under the anchor point on the seatback. Continue to hold the subwoofer against the seatback while rotating the seatback rearward until it locks into the fully back position.
35. Hold firm pressure against the bottom of the subwoofer while pulling the poly bag from beneath it.
36. Reinstall all previously removed parts in reverse order.
37. Install fuse into fuse holder.
38. Reconnect negative battery cable to battery.

## 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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