



SF150S09

*Designed for 2009 - 2014 Ford® F-150 Super-Cab vehicles
(not compatible with 2009 - 2010 trucks that have Sony® Premium Audio Systems)*

Subwoofer Assembly



Subwoofer Power Harness



Subwoofer Body
Harness



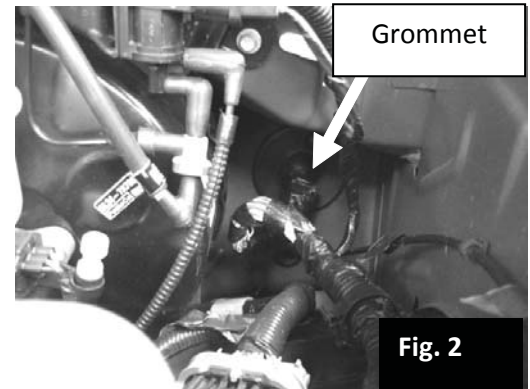
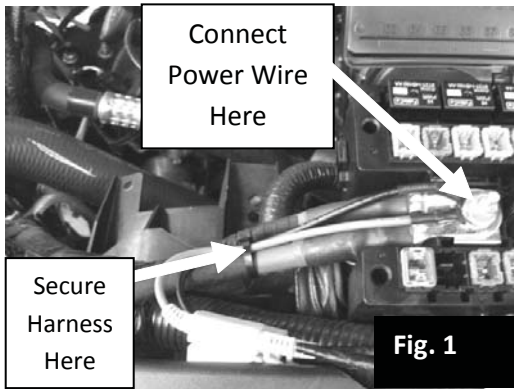
M6 Bolts x3
M8 Bolts x3
M8 Nut Inserts x3
(Requires Nut Insert Tool)
Wire Taps x2
Adapter Harness



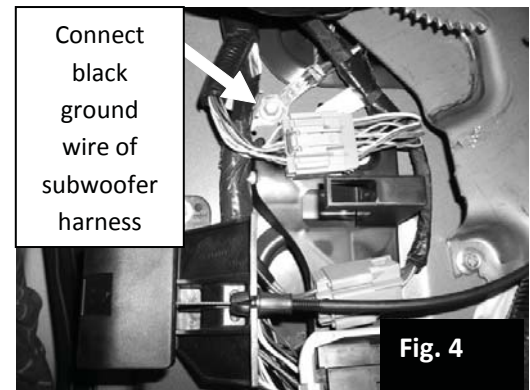
25A Fuse
Wire Ties x6
Foam Strips
M6 Speed Clips x3
Adhesive Covers x3

Power Wire Routing

1. Open the hood, disconnect the negative battery cable.
2. Find the fuse box in the engine compartment and open the cover.
3. Remove the nut on the accessory lug, connect the power wire and retighten the nut. Torque to 9Nm. Fig. 1
4. Route the power wire across the radiator support and toward the grommet on the driver's side of the firewall. Fig. 2



5. Make a small incision in the rubber grommet and pass the power wire into the cabin.
6. Install the black connector on the end of the power harness inside the cabin. The black connector should have a block out plug installed in one side to prevent the power wire from being inserted into the wrong position in the connector.
7. Connect the black two-pin connector of the power wire to the corresponding connector of the subwoofer harness.
8. Remove the driver's side threshold panel along the bottom of the front and rear door opening. Fig. 3
9. Pull back the rubber door molding and then pull back on the kick panel to remove it. Fig. 3
10. Connect the black ground wire of the subwoofer harness to the factory ground point in the driver's side kick panel. Torque to 9Nm. Fig. 4



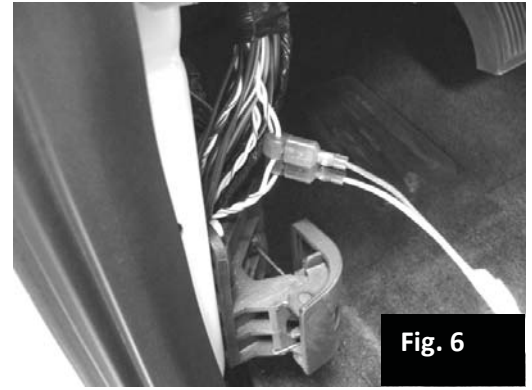
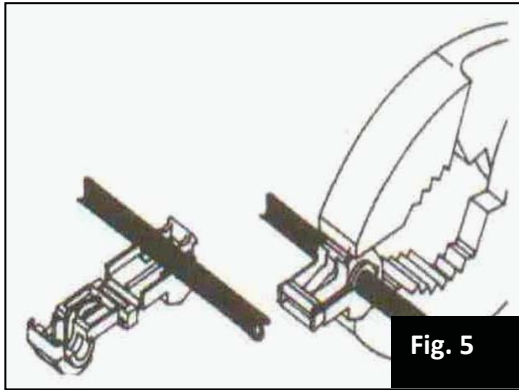
11. Route the subwoofer harness along the door opening and toward the rear of the cab.

Subwoofer Input Connection without Optional Amplifier

12. Connect the adaptor harness to the white two pin connector of the subwoofer body harness.
13. Find the twisted pair of wires in the driver's side kick panel that are solid white and white with a brown stripe.

14. Tap the wires using the supplied wire taps. Fig. 5

15. Connect the brown wire of the adaptor harness to the solid white wire. Connect the green wire of the adaptor harness to the white/brown wire. Fig. 6



Subwoofer Input Connection with Optional Amplifier

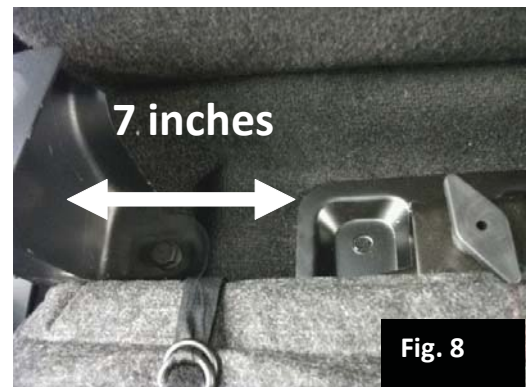
16. Connect the white two pin connector of the amplifier harness to the corresponding connector of the subwoofer harness.

Jack Relocation

17. Remove the three bolts securing the jack mounting plate.

18. Move the plate and jack to the passenger's side rear seat area and push it back until the tool bag touches the front of the seat frames. Make sure the jack mounting plate is oriented the same way it was originally with two mounting holes toward the rear of the truck and one toward the front. Fig. 7

19. Measure over exactly seven inches from the inside of the seat frame to the edge of the jack mounting plate. It is important that this measurement be accurate. Mark the three mounting holes with a marker and then drill a 1/8 inch pilot hole in the center of each of the three mounting holes. Fig. 8



20. Remove the jack and mounting plate and tape the paper template to the carpet lining up the three marks with the corresponding markings on the template. Fig. 9

21. Cut the carpet along all the dotted lines on the template. When you are finished you will have two flaps, one large and one small. Pull back the two flaps and cut away all the carpet insulation beneath. Fig. 10

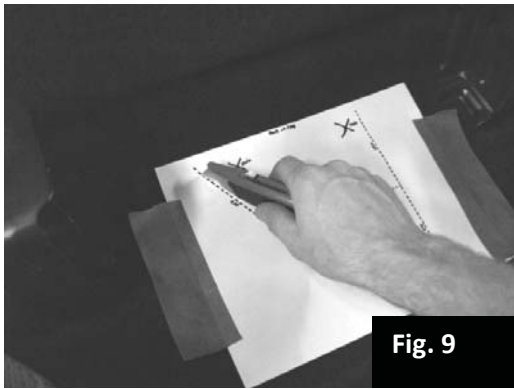


Fig. 9

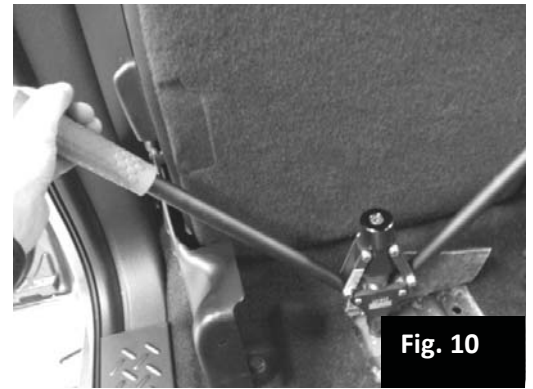


Fig. 10

22. Find the three pilot holes drilled earlier and drill a 17/32" hole at each location.
23. Install the supplied nut insert using an appropriate insert installation tool.
24. Secure the mounting plate with the supplied M8 bolts. Torque to 15ft/lbs.
25. Install the supplied adhesive covers over the holes in the floor pan where the jack use to mount to prevent water from entering the cabin. Fig. 11
26. Route the subwoofer harness through the hole in the carpet where the jack was located closest to the center of the truck. It's important to route the harness through the hole closest to the center of the vehicle too avoid interference with the subwoofer. Fig. 12



Fig. 11

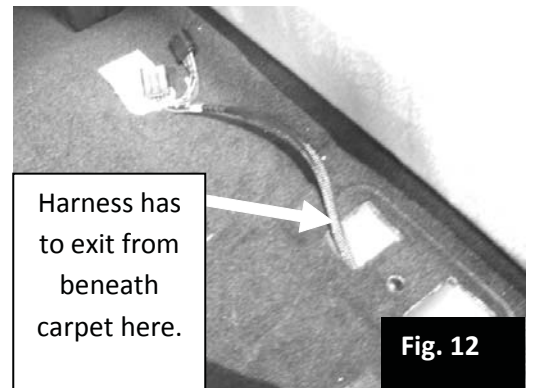


Fig. 12

Subwoofer Installation

27. Connect the subwoofer harness to the subwoofer. Pull any slack in the harness toward the door opening and secure any excess harness to the factory wiring along the door opening with supplied wire ties.
28. Install the supplied M6 speed clips over the holes in the seat frame that correspond to the holes in the subwoofer mounting brackets.
29. Line the bracket up with the holes in the seat frame and secure with the supplied M6. Fig. 13
30. Install the supplied decal over the bolt on the back of the subwoofer enclosure.
31. Install the fuse in the fuse holder.
32. Reinstall all previously remove parts in reverse order.
33. Reconnect negative battery cable. Torque to 7Nm.



Fig. 13

Place your warranty card in the glove box for future use.

Troubleshooting the Kicker Integrated Systems

If you experience a problem once the Subwoofer is 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 +12Volt 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 buzz or rattle noise that accompanies the low frequency element of the music:

- Check for a connector or any other object that could be very near the enclosure.
- Check the subwoofer enclosure mounting brackets to make sure they are secure.

Symptom	Possible Cause	Solution
No Subwoofer Output	Fuse not installed in inline fuse holder on subwoofer and / or amp 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 or fader controls not set to neutral position	Set balance and fader control to center settings. (only effects 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 connections.

Symptom	Possible Cause	Solution
Radio Not Coming On	Blown radio fuse	Refer to owner's manual for radio fuse location and value
	Low battery voltage	Recharge the battery
Radio Comes On, But No Sound From Any Speakers	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**.*



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