



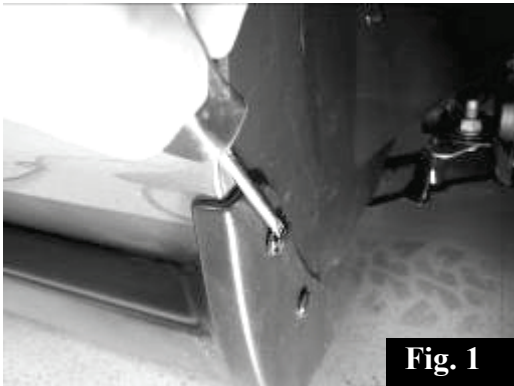
*Designed for 2005 & newer Ford® Mustang (Not compatible with Convertible)*

SMUS05

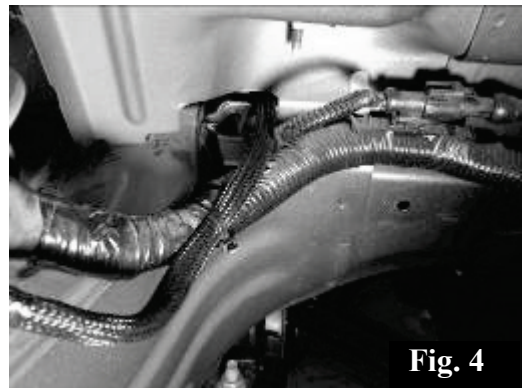
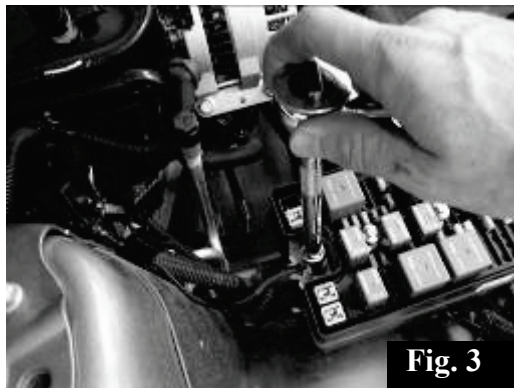


## Installation:

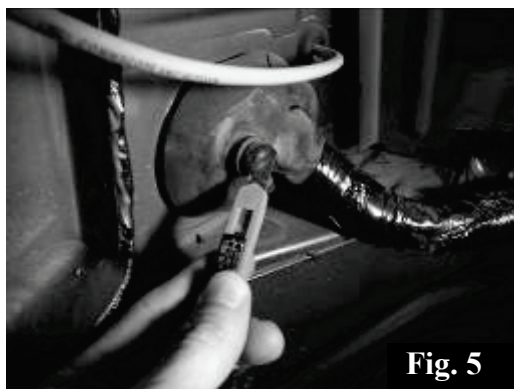
1. Disconnect the negative battery cable.
2. Turn the steering wheel as far as possible to the left.
3. Using a straight screwdriver pry out the center portion of the two plastic retainers that secure the rear portion of passenger's side front fender well. Once the center portion is pried out remove the outer portion. Fig. 1
4. Unscrew the centers of the other four plastic retainers securing the rear half of the fender well and then pull out the outer portion. Remove the fender well. Fig. 2



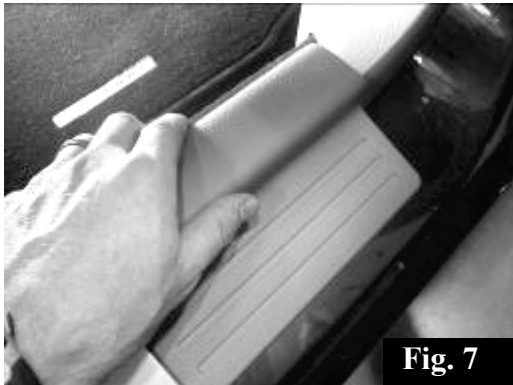
5. Remove the fuse box cover under the hood and remove the nut from the main power lug.
6. Connect the power harness to the lug and retighten the nut. Torque to 20Nm. Fig. 3
7. Route the power harness down to the small opening near the fire wall that leads into the fender well area. Fig. 4



8. Using a razor knife make a small incision in the rubber grommet. Fig. 5
9. Pass the power harness into the cabin and secure with the provided wire ties. Fig. 6
10. From inside the car. Install the provided black two pin connector on the end of the power harness.



11. Remove the sill plate along the bottom of the passenger's side door opening. Fig. 7
12. Remove the passenger's side kick panel by pulling toward the center of the car and then straight back to release the fasteners. Fig. 8



**Fig. 7**



**Fig. 8**

13. Remove the lower rear seat cushion by pushing the front edge back and then lifting up.
14. Release and fold down the rear seat backs.
15. Remove the three plastic retainers that secure the quarter panel cover. One retainer is above the floor pan and the other two are located in the pass through area between the cabin and the trunk. Fig. 9
16. Pull the rear quarter panel cover and remove from the car. Fig. 10



**Fig. 9**



**Fig. 10**

17. Connect black two pin connector of the subwoofer body harness to the corresponding black two pin connector of the power harness.

#### 2005-2009 Subwoofer Input Connection Without Optional Kicker Amplifier and Without Shaker™ 500/1000 System

- Connect the supplied two pin Input Adapter harness to the corresponding two pin connector of the subwoofer harness.
- Find the right front 6X8 inch speaker wire behind the glove compartment. The correct wire colors are light green with an orange stripe, and white with a green stripe. Tap the wires using the supplied wire taps. Fig. 11 & 12
- Connect the brown wire of the adapter harness to the white/green stripe wire and the green wire of the adapter harness to the light green/orange stripe wire.

#### 2010-up Subwoofer Input Connection Without Optional Kicker Amplifier and Without Shaker 500/1000 System

- Connect the supplied two pin Input Adapter harness to the corresponding two pin connector of the subwoofer harness.

- Find the right front 6X8 inch speaker wire behind the glove compartment. The correct wire colors are white with a purple stripe, and white with an orange stripe. Tap the wires using the supplied wire taps. Fig. 11 &12
- Connect the brown wire of the adapter harness to the white/purple stripe wire and the green wire of the adapter harness to the white/orange stripe wire.

#### 2005-up Subwoofer Input Connection With Optional Kicker Amplifier Kit Installed

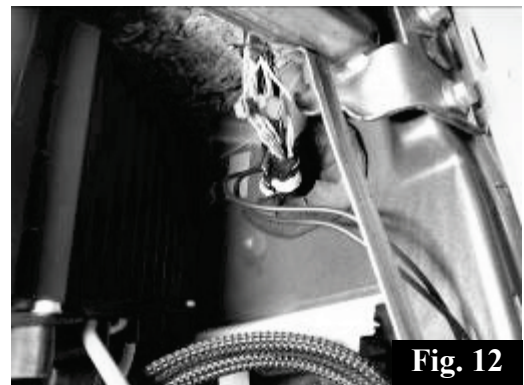
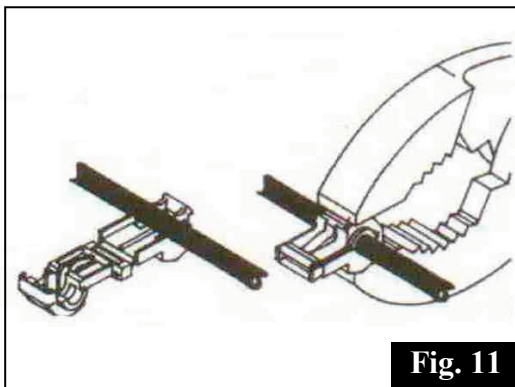
- Connect the white two pin connector of the amplifier harness to the corresponding white two pin connector of the subwoofer harness.

#### 2005-2009 Subwoofer Input Connection With Shaker 500/1000 System Without Kicker Amp Kit Installed

- Connect the supplied two pin Input Adapter harness to the corresponding two pin connector of the subwoofer harness.
- Find the right front eight inch speaker wire behind the glove compartment. The correct wire colors are light green with an orange stripe, and light green with a purple stripe. Tap the wires using the supplied wire taps. Fig. 11 &12
- Connect the brown wire of the adapter harness to the light green/purple stripe wire and the green wire of the adapter harness to the light green/orange stripe wire.

#### 2010-up Subwoofer Input Connection With Shaker 500/1000 System Without Kicker Amp Kit Installed

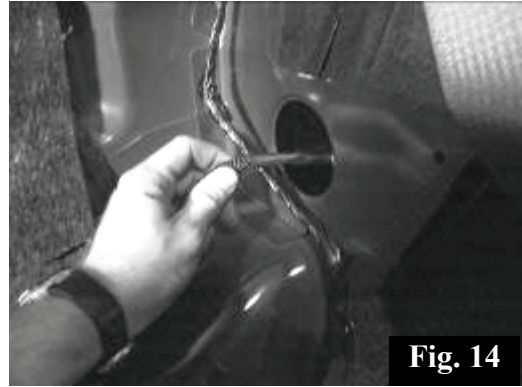
- Connect the supplied two pin Input Adapter harness to the corresponding two pin connector of the subwoofer harness.
- Find the right front eight inch speaker wire behind the glove compartment. The correct wire colors are white with an orange stripe, and gray with a blue stripe. Tap the wires using the supplied wire taps. Fig. 11 &12
- Connect the brown wire of the adapter harness to the white/orange stripe wire and the green wire of the adapter harness to the gray/blue stripe wire.



18. Ground the harness to the bolt located just below and next to the glove compartment. Torque to 20Nm. Fig. 13
19. Run the overlay harness along the bottom of the door and secure with wire ties.
20. If the vehicle is equipped with the Shaker 1000 factory subwoofer, disconnect wiring and remove the factory subwoofer.
21. Pass the subwoofer body harness through the round hole in the metal. Fig. 14



**Fig. 13**

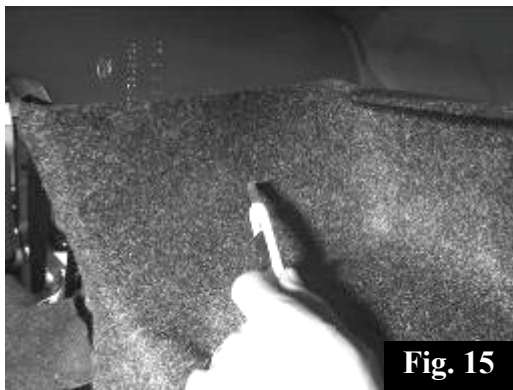


**Fig. 14**

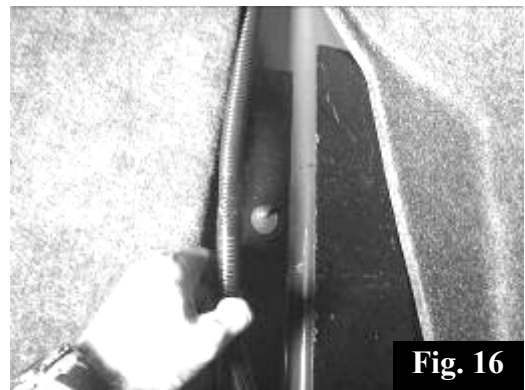
22. Make a small "X" shaped cut in the trunk carpet to allow the harness to pass through. Fig. 15

23. Fold back the carpeted trunk liner on the passenger side of the vehicle.

24. Pull the factory wire harness loose from the metal stud where the subwoofer will mount. Fig. 16



**Fig. 15**



**Fig. 16**

25. Remove the bolt near the passenger's side rear tail light.

26. Connect the subwoofer harness to the subwoofer and line the hole in the bottom bracket up with the factory stud in the bottom of the trunk.

27. Slowly rotate the subwoofer into place. Line up the top bracket with the hole near the tail light and reinstall and tighten the bolt. Fig. 17 & Fig. 18



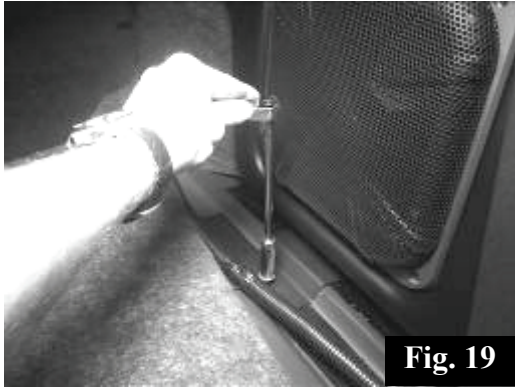
**Fig. 17**



**Fig. 18**

28. Push the subwoofer toward the outside of the car as far as possible and install the supplied 10mm nut on the factory stud and tighten. Fig. 19

29. Fold about six inches of the trunk liner underneath itself and then tuck the fold under the edge of the subwoofer. Fig. 20



**Fig. 19**



**Fig. 20**

30. Install the supplied fuse in the fuse holder under the hood and replace all previously removed parts in reverse order.

31. Reconnect the negative battery cable. Torque to 5Nm.



## 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 subwoofer or the enclosure.
- Check the subwoofer enclosure mounting brackets to make sure they are secure.

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
No Subwoofer Output	Fuse not installed in inline fuse holder on subwoofer and/or amp harness	Install fuse(s) into fuse holder(s). 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
	Signal input connector not connected properly	Connect signal wire of subwoofer harness to signal wire of amplifier harness or factory speaker wire depending on application. Check for loose connection
	Balance 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 connections.
Radio not coming on	Radio connector not properly/completely connected	Check radio connector to insure it is completely seated
	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
	Radio connector not properly/completely connected	Check radio connector to insure it is completely seated
	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 with this list, please contact KICKER Technical Support at (800) 256-0808 ext. 6009, or support@kicker.com. Place your warranty card in the glove box for future use.



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