



PMUSP13

Designed for 2013 Ford® Mustang vehicles with premium Shaker™ audio.

Amplifier Assembly



Body Harness



Power Harness



25A Fuse
Wire Ties x6
Star Washer

Subwoofer Assembly



Installation

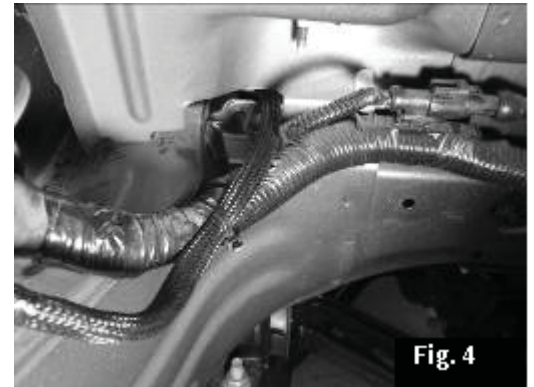
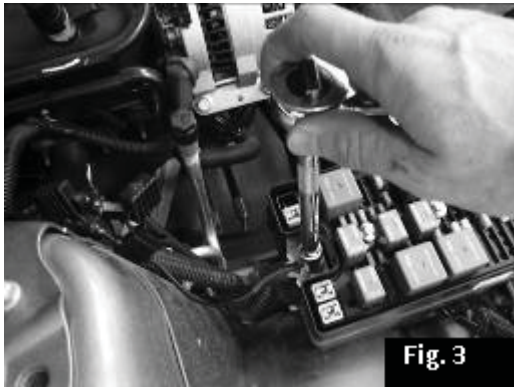
1. Disconnect negative battery cable
2. Turn the steering wheel as far as possible to the left.
3. Using a straight screwdriver pry out the center portion of the two plastic retainers that secure the rear portion of passenger's side front fender well. Once the center portion is pried out, remove the outer portion. Fig. 1
4. Using a Phillips screwdriver 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 both the subwoofer and amplifier power harnesses to the lug and retighten the nut. Torque to 20Nm. Fig. 3

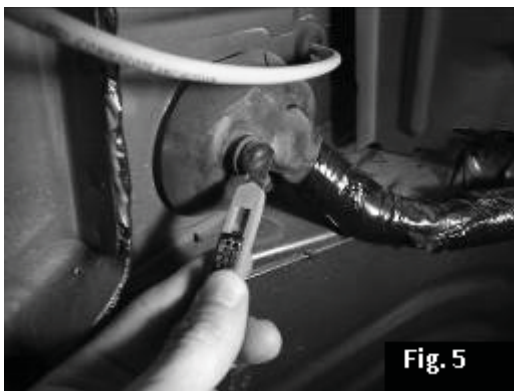
7. Route the power harnesses down to the small opening near the fire wall that leads into the fender well area. Fig. 4



8. Using a razor knife make a small incision in the rubber grommet. Fig. 5

9. Pass the power harnesses into the cabin and secure with the provided wire ties. Fig. 6

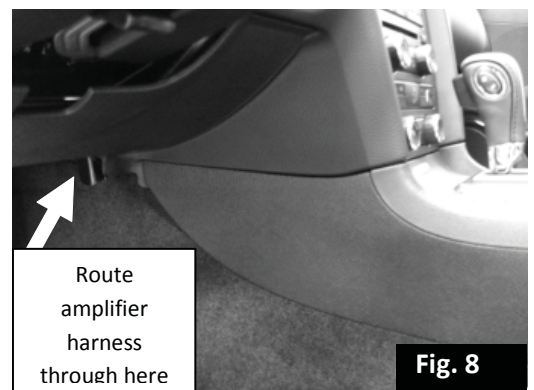
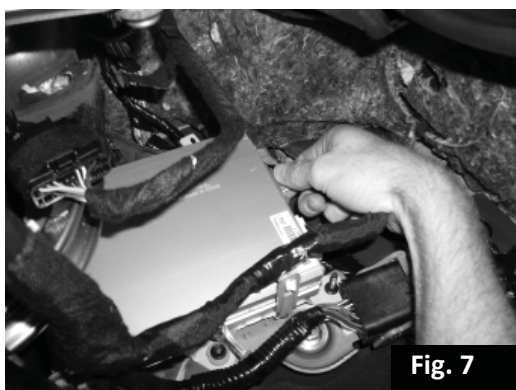
10. From inside the car, install the provided white three pin connector on the end of the amplifier power harness. (Any wire can be installed in any position) Install the two pin black connector on the amplifier power harness.



11. Find the factory amplifier above the driver's side kick panel and disconnect the connectors. Fig. 7

12. Connect the female connectors of the amplifier harness to the corresponding male connectors of the vehicle harness. Connect the male connectors of the amplifier harness to the factory amplifier.

13. Route the amplifier harness below the steering column, past the front of the console to the glove compartment area. Fig. 8



Amplifier Mounting

14. Remove the four screws along the bottom of the glove compartment. Fig. 9

15. Remove the nut from the stud at the base of the HVAC fan housing. Fig. 10

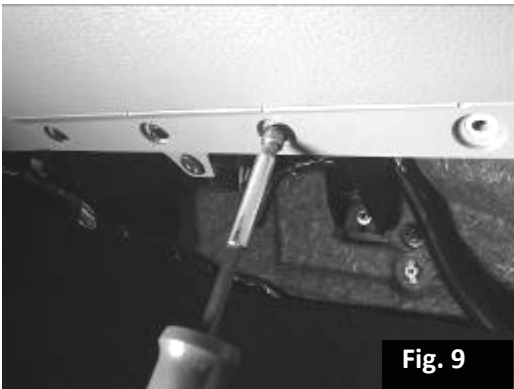


Fig. 9

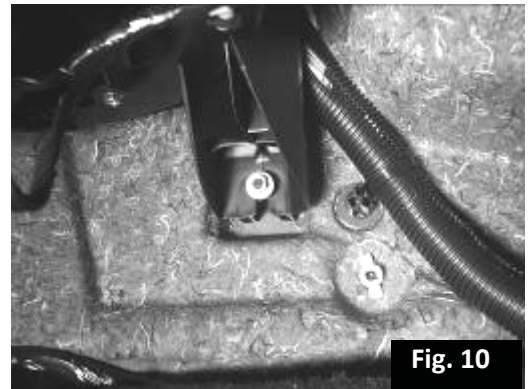


Fig. 10

16. Remove the sill plate along the bottom of the passenger's side door opening. Fig. 11

17. Remove the passenger's side kick panel by pulling toward the center of the car and then straight back to release the fasteners. Fig. 12

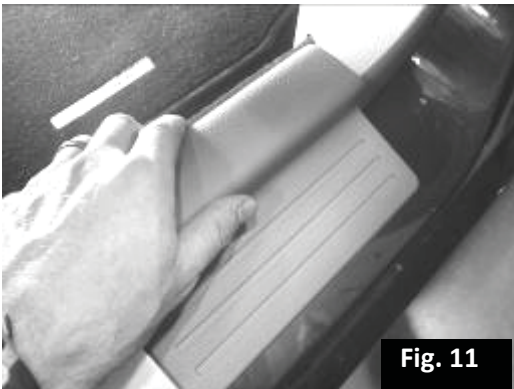


Fig. 11



Fig. 12

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

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

22. Connect the black ground wire of the amplifier harness and the subwoofer harness to the bolt just below the edge of the dash. Torque to 20Nm. Fig. 13

23. Install the amplifier/bracket assembly over the HVAC blower housing stud and behind the bottom of the glove compartment. Line up the holes in the bracket with the holes in the glove compartment and reinstall the screws, leave loose. Fig. 14



24. Reinstall the nut and provided star washer on the blower housing stud and tighten, then tighten the glove compartment screws.

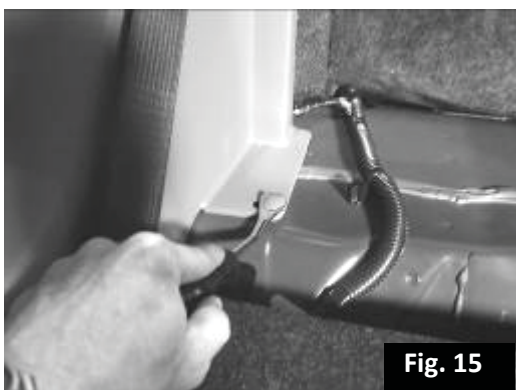
25. Connect the amplifier power harness white three pin connector to the corresponding white three pin connector of the amplifier body harness. Connect the subwoofer power harness black two pin connector to the corresponding black two-pin connector of the subwoofer body harnesses.

26. Remove the lower rear seat cushion by pushing the front edge back and then lifting up.

27. Release and fold down the rear seat backs.

28. 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. 15

29. Pull the rear quarter panel cover and remove from the car. Fig. 16



30. Run the body harness along the bottom of the door and secure with wire ties.

31. If the vehicle is equipped with the Shaker 1000 factory subwoofer, disconnect wiring and remove the factory subwoofer.

32. Pass the subwoofer body harness through the round hole in the metal. Fig. 17

33. Make a small "X" shaped cut in the trunk carpet to allow the harness to pass through. Fig. 18



Fig. 17

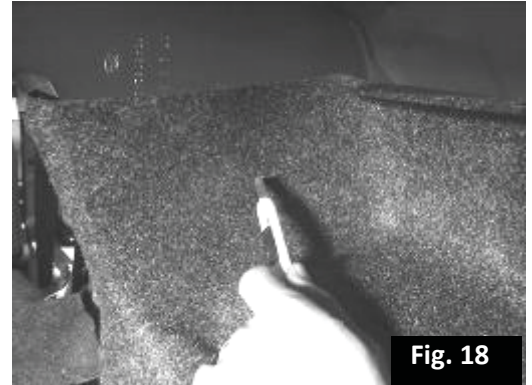


Fig. 18

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

35. Pull the factory wire harness loose from the metal stud where the subwoofer will mount. Fig. 19

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

37. 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.

38. 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. 20

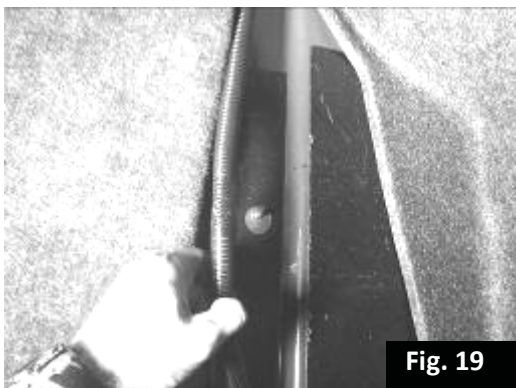


Fig. 19

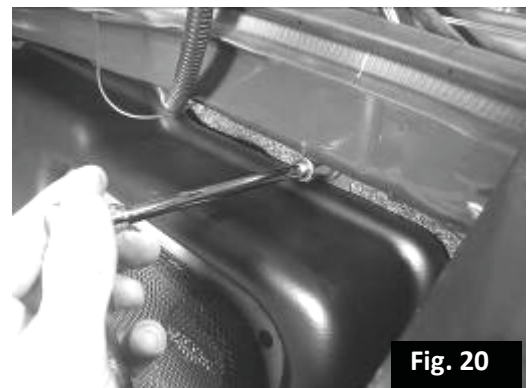


Fig. 20

39. 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. 21

40. Fold about six inches of the trunk liner underneath itself and then tuck the fold under the edge of the subwoofer. Fig. 22



Fig. 21



Fig. 22

41. Reinstall all previously removed parts in reverse order.
42. Install the supplied fuses in the fuse holders.
43. Reconnect negative battery cable. Torque to 5Nm.



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 +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 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 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.
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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