



Audio System Upgrade Package 2009-UP Dodge Ram Quad and Crew Cab Trucks Installation Instructions

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1EA.	OVERLAY HARNESS	P/N	RHDSSUB
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TOOLS REQUIRED:

Ratchet	18mm Socket
13mm Socket	10mm Socket
7mm Socket	8mm Socket
Pliers	Panel Removal Tool
Torque Wrench	Razor Knife

Subwoofer Installation

1. **Disconnect negative battery terminal.**
2. **Using a 13mm socket and ratchet loosen and remove the nut on the positive battery accessory lug.**
3. **Connect the ring terminal of the power harness to the lug and retighten the nut. Fig. 1**
Important: Do not install the supplied 30 amp fuse until the installation is complete.
4. **Route the wire toward the rubber grommet on the fire wall where the main wire harness passes through.**
5. **Use a razor knife and make a small cut in the grommet. Be careful not to cut any factory wires.**
Fig. 2



Fig. 1



Fig. 2

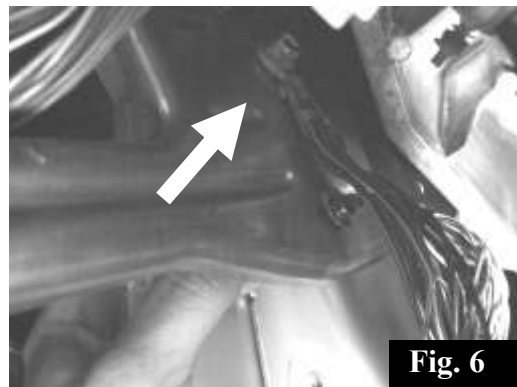
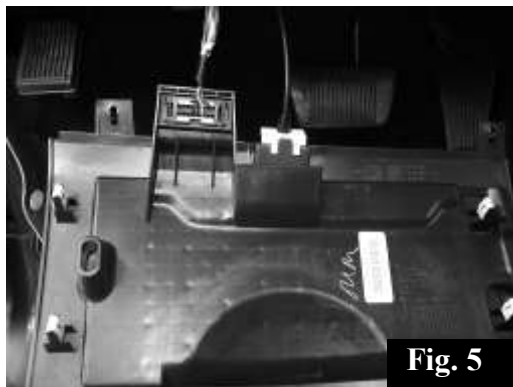


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6. Push the power wire through the rubber grommet. Pull the wire through until the protective loom just touches the grommet underneath the hood. Approximately 15 inches on the inside of the vehicle. Use the provided zip ties to secure the power wire under the hood.
7. Install the supplied two pin connector by inserting the terminal on the end of the red power wire into the back of the black connector until it clicks and locks.



8. Remove the driver's side front sill plate along the bottom of the door opening by prying up with a panel removal tool. Fig 3
9. Using the panel removal tool pry up the front half of the rear sill plate. The rear sill plate will not need to be completely removed.
10. Remove the two 7mm screws securing the plastic panel below the steering column. Gently pull out on the bottom of the panel to release the fasteners. Fig. 4



11. Leave the hood release lever and OBD plug connected and just let the panel hang below the dash. Fig. 5
12. Find the 10mm factory ground bolt beneath the steering column and connect the black ground wire of the wire harness. Fig. 6
13. Plug the power wire connector on the subwoofer harness to the connector you installed on the wires coming from the under the hood. Slide the red locking tab over to prevent the connectors from accidentally coming disconnected.



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Vehicles equipped with a Kicker 4.1 amplifier (#77KICK 43)

14. If you have previously installed a Kicker® 4.1 amplifier kit (#77KICK43), the harness for that amplifier has a green wire and a brown wire coming off of it. Connect the green and the brown wire on the subwoofer harness to the green and the brown wires on the 4.1 amplifier harness. The brown wire connects to the brown wire and the green wire connects to the green wire. Fig. 7

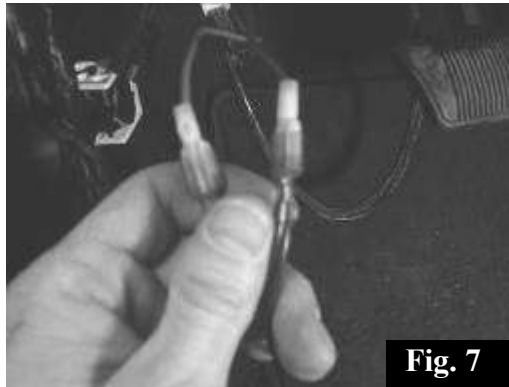


Fig. 7

Vehicles equipped with a Kicker 12 channel amplifier upgrade (#77KICK45)

15. If you have previously installed a Kicker® amplifier upgrade (#77KICK45) locate the gray wire with a brown stripe and the green wire with the brown stripe. These wires are in the black 16 pin connector on the amplifier. Fig. 8

16. Install one of the self stripping t-tap connectors on to each wire. Lay the wire in the open channel, fold the connector body over and squeeze with a pair of pliers until connector snaps shut. Fig. 9

Tip: Once these connections have been made you might want to test the wire with an inexpensive test-tone generator to verify you have the right wires.

17. Connect the subwoofer harness input wires to the t-tap connectors. The green wire (positive) of the harness connects to the t-tap connector on the gray wire with the brown stripe in the vehicle. The green with black stripe wire (negative) of the harness connects to the t-tap connector on the green wire with the brown stripe in the vehicle.

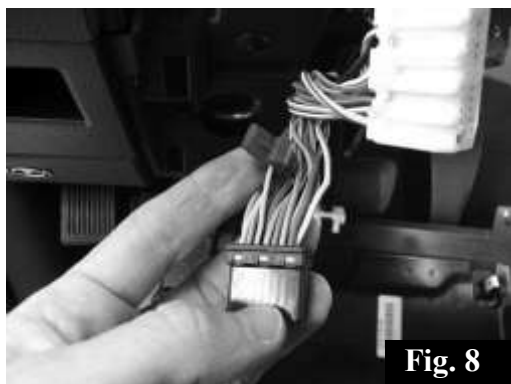


Fig. 8

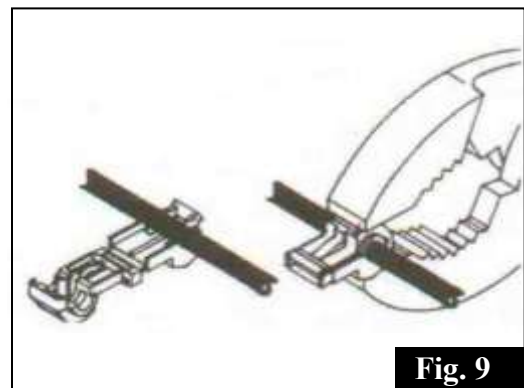


Fig. 9



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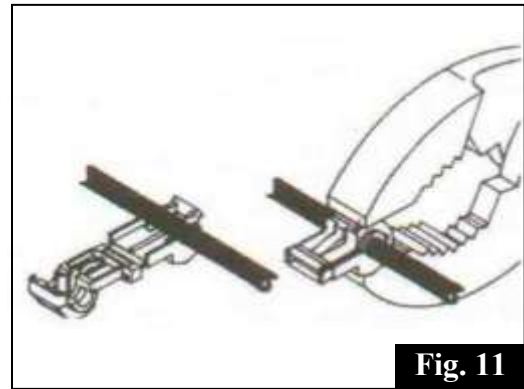
Vehicles equipped with an Alpine® premium audio system

18. If the vehicle is equipped with an Alpine® premium audio system. Locate the gray wire with a brown stripe and the green wire with the brown stripe. These wires are in the black 16 pin connector on the amplifier. Fig.10

19. Install one of the self stripping t-tap connectors on to each wire. Lay the wire in the open channel, fold the connector body over and squeeze with a pair of pliers until connector snaps shut. Fig. 11

Tip: Once these connections have been made you might want to test the wire with an inexpensive test-tone generator to verify you have the right wires.

20. Connect the subwoofer harness input wires to the t-tap connectors. The green wire (positive) of the harness connects to the t-tap connector on the gray wire with the brown stripe in the vehicle. The green with black stripe wire (negative) of the harness connects to the t-tap connector on the green wire with the brown stripe in the vehicle.



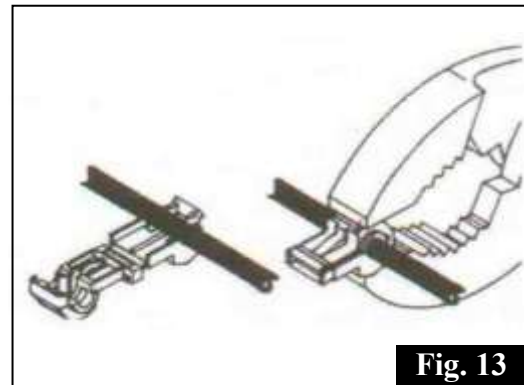
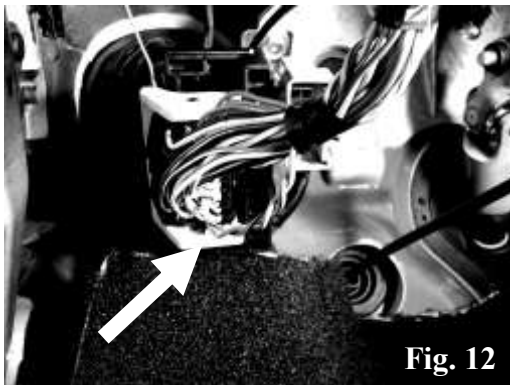


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Vehicles with base audio

21. If the vehicle has a base audio system, locate the left front door speaker wires in the wire harness bundle. The wire colors are gray with a yellow stripe and gray with a purple stripe. Fig 12
22. Install one of the self stripping t-tap connectors on to each wire. Lay the wire in the open channel, fold the connector body over and squeeze with a pair of pliers until connector snaps shut. Fig. 13

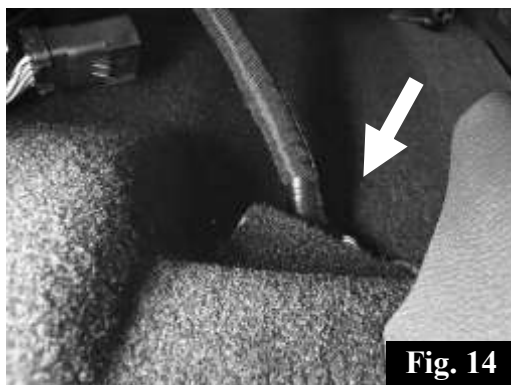
Tip: Once these connections have been made you might want to test the wire with an inexpensive test-tone generator to verify you have the right wires.



23. Connect the subwoofer harness input wires to the t-tap connectors. The green wire (positive) of the harness connects to the t-tap connector on the gray wire with the yellow stripe in the vehicle. The brown wire (negative) of the harness connects to the t-tap connector on the gray wire with the purple stripe in the vehicle.

All vehicles

24. Route the harness down the kick panel and along the bottom of the front door jam. Route the 10 pin connector under the front seat and out of the existing hole. Fig 14
25. Remove the two 8mm bolts holding the bracket for the seat wiring. Mount the amplifier/bracket assembly as shown in Fig 15.





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26. Connect the ten pin connector of the harness to the amplifier. Slide the red locking tab over to prevent the connectors from accidentally coming disconnected.
27. If the vehicle is equipped with the storage cover under the rear seat, the driver's side cover will need to be removed to allow the subwoofer to install. To remove the storage cover, remove the four 18mm bolts securing the drivers side rear seat and carefully lift the seat out. Fig 16
28. Using a panel removal tool remove the plastic cover on the side of the seat removed in step 26. Fig. 17



29. Remove the 13mm and 10mm bolt on both sides of the bottom of the rear seat removed in step 26 and remove the storage cover. Fig. 18
30. Reinstall the seat and the back two 18mm bolts securing the seat. Tighten to 30ft/lbs.
31. Remove the Torx®T30 securing the front latch of the storage cover and remove latch. Fig. 19



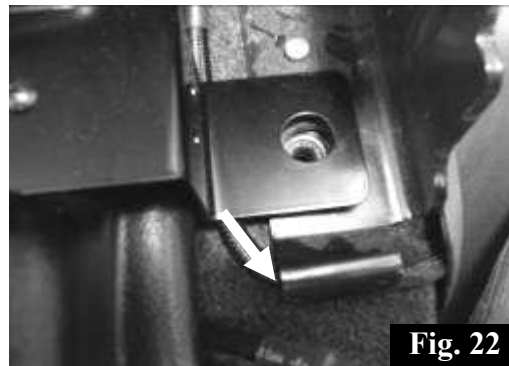


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32. For vehicles equipped with one piece rear bench seats remove the 18mm bolt securing the driver's (left) side of the seat to the floor.
33. For one piece rear bench seat you will also need to find threaded nut insert in the floor pan concealed by the carpet flap. Fig. 20
34. Set the enclosure in place and reinstall seat bolts (a bolt is supplied for one piece bench seats) and tighten. Torque to 30 ft/lbs. Fig. 21



35. Route the harness along the bottom of the front and rear door jam. Route the harness behind the plastic sill plate and under the driver's side rear, outermost seat bracket. Fig. 22
36. Connect the four pin plug of the subwoofer harness to the subwoofer enclosure. Slide the red locking tab over to prevent the connectors from accidentally coming disconnected.



37. If the vehicle is equipped with a factory subwoofer it must be disconnected for the system to operate properly.
38. Reinstall all previously removed parts in reverse order making sure not to pinch any wires along the way during the re-installation process. Failure to do so could result in an electrical short in the vehicle.
39. Install supplied fuse in the fuse holder under hood.