



WoofPak® Installation Instructions

Please refer to your Harley-Davidson repair manual, or consult with an experienced motorcycle mechanic for professional installation.

Bike Preparation:

1. Remove the seat.
2. Disconnect the Positive (+) and Negative (-) battery cables.
3. Remove the outer fairing
4. Loosen or remove the gas tank. (See your manual or a professional for exact instructions.)
5. Remove any existing Tour Pak® liner and power point (2009 and up)
6. Remove the center/rear most mounting bolt holding the Tour Pak to its support tubing and the antenna ground wire.
7. Remove the left front Tour Pak grommet.
8. Assure all accessory wiring is routed around the perimeter of the inside of the Tour Pak.

WoofPak Preparation:

9. Remove the chrome cover from the amplifier.
10. Remove the screws mounting amplifier in the WoofPak. **DO NOT DISCONNECT THE WIRING FROM THE AMPLIFIER.**
11. If installed, remove the 4 pin connector on the WoofPak side of wiring loom. (Note wire placement)
12. Remove the 20amp fuse from the supply side of the WoofPak wiring loom.

WoofPak Installation:

13. Tape top edge of the Tour Pak with Blue painters tape. (The bottom of the WoofPak has hardware that can potentially damage paint. Use caution).
14. While lowering the WoofPak in, (speaker on left) route the WoofPak wiring loom (without its 4 pin connector) through the hole on the left side in the front of the Tour Pak. (Make sure the wiring loom does not end up beneath the WoofPak). And, route the antenna ground wire through the slotted hole located on the bottom center of the WoofPak.
15. Tilt the amplifier up to locate the mounting hole and the antenna ground wire. Reinstall the factory bolt through ground wire. Once installed, the WoofPak should be just below the top of the Tour Pak all the way around. If it is not, it may be necessary to re-route the accessory looms or the



WoofPak loom from underneath of the WoofPak and into the wire ways formed into the WoofPak.

16. Note: Some Tour Paks provide rear and forward mounting positions. You may need to locate the forward hole and drill the WoofPak with a ¼" drill bit.
17. Reinstall the amplifier mounting hardware. (Do not over tighten)
18. Reinstall the chrome amplifier cover.

Wiring Installation:

19. Route the wiring loom with Grey and Black with Grey under the gas tank through the factory raceway. Make sure the Red and Black wire connections route directly over the battery terminals.
20. Install the 4 pin connector onto the WoofPak side of the wiring loom. (note wire placement) Do not disassemble the connector. Push supplied connector body onto its corresponding connector on the supply side of the loom. Match each color across the connector. Push each connection through the rubber seal. Each connection will "CLICK" when it is seated. Tug lightly on each wire to insure proper seating.
21. Connect the WoofPak side and the supply side of the loom. It should be routed along the left side top of the rear fender, under seat.
22. Connect the WoofPak supply loom Red wire to the Positive (+) terminal and the Black wire to the Negative (-) terminal on the battery.
23. Connect the Black with Grey wire piggyback to the Negative (-) terminal on the left speaker. Using the piggyback, re-connect the Negative (-) wire to the speaker Negative (-).
24. Connect the Grey wire to the Positive (+) terminal on the left speaker. Using the other Grey wire reconnect the Positive (+) wire to the existing factory Positive (+) speaker wire.

Porting the WoofPak:

25. Locate the centering hole in the port indentation at the front of the WoofPak, and a 4 ½" hole-saw.
26. Starting from the WoofPak side, drill a pilot hole through the WoofPak and Tour Pak simultaneously.
27. Tape the outside of the Tour Pak with blue painters tape in the area to be drilled.
28. From the outside of the Tour Pak and with the drill motor in REVERSE, slowly cut a shallow groove through the paint.
29. Continue cutting slowly in forward through the Tour Pak and the WoofPak simultaneously.



30. Install the supplied 4 ½" grommet from the outside and retaining clip into it. Position the clip opening at the top.
31. Note: A rain/security plug has been supplied with your WoofPak. Remove the retaining clip. Install the plug with the grommet installed from the outside and the plug from the inside.
32. Note: Attempting to use WoofPak without a port will result in greatly reduced speaker performance.

Amplifier Set Up:

33. Set the dial marked 'LEVEL' to .5V
34. Set the dial marked 'LOW BOOST' to 8dB or the 3 o'clock position.
35. Set the dial marked 'LPF' to 100Hz. This setting best matches the frequency response for your system.
36. Set switch marked 'SUBSONIC FILTER' to 'OFF'. (An 8" speaker does not operate in this range).
37. Set switch marked 'BLUE ILLUMINATION' to 'ON' or 'OFF'. (On will provide accent lighting and will have no effect on the operation of the system)

Ready for sound:

38. Re-install the 20 amp fuse into the fuse holder on the Red wire of the WoofPak loom.
39. Turn motorcycle ignition to Accessory and turn on the radio. (Operating WoofPak for extended periods in -Key On / Engine Off mode- will result in significant battery drain and a no start condition).
40. Reinstall the outer fairing, gas tank, and seat. (Please refer to the Harley-Davidson manual for installation techniques and torque specifications).
41. Note: If your 20 amp fuse blows at any time do not attempt to reinstall a new fuse. Contact Hell's Foundry Service Department. 866-999-HELL(4355) Ext. 103



Caution!!

DO NOT drill, screw, or in any way penetrate the sealed air space housing the subwoofer.

WARNING!!

A fully assembled WoofPak has a weight of 17lbs (7.7Kg)

Do not exceed luggage rack weight capacity. Maximum top luggage rack weight capacity is ten pounds (4.5Kg).

WARNING!!

Combined load of top luggage rack and Tour Pak must not exceed 25lbs. (11.3Kg). Overloading the motorcycle will cause handling and reduced braking efficiency, which could result in death or serious injury.

Parts List:

- 1 - 8" Polk MM840 Subwoofer
- 1 - 8" Seal
- 8 - Socket head screw
- 1 - Sony XM-1S Amplifier
- 1 - Chrome Amplifier Cover
- 4 - Chrome Phillips screws
- 4 - Black short Phillips screw
- 4 - Clip nuts
- 1 - WoofPack liner
- 1 - WoofPack loom
- 1 - WoofPak loom connector
- 1 - Supply loom
- 1 - 20Amp mini fuse
- 1 - Fuse holder cover
- 1 - 4 ½ grommet
- 1 - Grommet retaining ring
- 1 - Rain/Security plug
- 1 - WoofPak Installation Instructions
- 1 - Sony Instructions
- 1 - Polk Instructions

Also Available:

- 8" Grill
- 4 ½ Hole Saw