



INSTRUCTIONS

-J02011

REV. 07-27-2005

Kit Number 77176-01A

ENHANCED SOUND SYSTEM FOR FLHTCU/I

General

This kit is designed for installation on 1998 and later FLHTCU/I Model Motorcycles. This kit does not fit with the chrome license plate/light kit number 68230-97A.

Kit contents:

Description	Part Number
Speaker, coaxial (4)	77178-01
Harness, wire	70395-01
Wire tie (10)	10065
Screw, 10-32 x 3/4" (4)	2576
Lockwasher, #10 (4)	7069
Trim ring assembly	77180-01
*Amplifier	N/A

*For Service and Replacement Parts, Contact Radio Sound, Inc.
1713 Cobalt Dr. Louisville, Kentucky 40299
1-800-367-4506 or (502) 267-6768 (Fax-502-267-6794)

WARNING

The rider's safety depends upon the correct installation of this kit. Use the appropriate Service Manual procedures. If the procedure is not within your capabilities or you do not have the correct tools, have a Harley-Davidson dealer perform the installation. Improper installation of this kit could result in death or serious injury. (00333a)

NOTE

This instruction sheet references Service Manual information. A Service Manual for your model motorcycle is required for this installation and is available from any Harley-Davidson Dealer.

Installation

Installation of this kit involves performing the following steps:

1. Mounting amplifier from kit under Tour-Pak.
2. Installing and routing wiring harness from kit.
3. Installing new rear speakers and connecting wiring.
4. Installing new front speakers and connecting wiring.
5. Installing decorative trim rings to front speakers.

1. Remove seat.

WARNING

To prevent accidental vehicle start-up, which could cause death or serious injury, disconnect battery cables (negative (-) cable first) before proceeding. (00307a)

WARNING

Disconnect negative (-) battery cable first. If positive (+) cable should contact ground with negative (-) cable connected, the resulting sparks can cause a battery explosion, which could result in death or serious injury. (00049a)

2. Disconnect battery cables, negative cable first.

3. Remove the Tour-Pak liner. Refer to instructions in applicable Service Manual and remove Tour-Pak. Save all mounting hardware. Lay the Tour-Pak on a bench or other suitable surface for drilling.
4. Obtain the template provided with this Instruction Sheet (Page 3.) Place template over the metal plate covering the bottom of the Tour-Pak, noting the following:
 - a. Orient template so the arrow points toward front of Tour-Pak.
 - b. Align the holes marked "A" with holes vacated by the front Tour-Pak retaining screws.
5. Note the four holes to be drilled as marked by "B" on the template. Using a center punch, punch indentations into the metal plate to keep drill bit from "walking".
6. Using a 1/4 inch bit, drill four holes at locations punched in Step 5 through the metal plate and Tour-Pak.
7. Obtain the four screws (Part Number 2576) and lockwashers (Part Number 7069) from kit. Install screws from inside of Tour-Pak and mount the amplifier underneath the Tour-Pak so the connector socket from amplifier is oriented to the right side of the Tour-Pak (as facing forward.) Tighten hardware securely.
8. Follow instructions in applicable Service Manual and install Tour-Pak to motorcycle.
9. Refer to instructions in applicable Service Manual and remove existing (original equipment) rear speaker connectors and rear speakers from mounts. Save hardware for installation. Carefully note wire routing and spade terminal-to-wire connections (respective colors.)
10. Loosen the fuel tank. Following instructions in applicable Service Manual, remove the outer fairing.
11. Obtain Wire Harness from kit. Connect the large connector to the amplifier and route the harness along the main wiring harness on the right side of the vehicle.
12. Route the left side rear speaker wires (Brown with White/Brown) across to left side of frame near battery following OE harness as closely as possible.
13. Gently pull on the left side wire harness going into the speaker box and draw the 6 pin mini-Duestch connector out, then separate the connector halves.
14. Mate the male connector half from left side of vehicle harness to female connector half from ESS harness with corresponding wire colors. Mate male connector half from ESS harness to female connector half of the passenger control switch. **Note:** Left Harness-Brown and White/Brown wires.
15. Gently pull on the right side wire harness going into the speaker box and draw the 6 pin mini-Duestch connector out, then separate the connector halves.

16. Mate the male connector half from right side of vehicle harness to female connector half from ESS harness with corresponding wire colors. **Note:** Right Harness-Green and Light Green/Brown wires. Push connectors back into into speaker box.
17. Obtain speaker (Part Number 77178-01) from kit and using hardware saved in Step 9, install new rear speaker.
18. **2004 and Later:** Locate the B+ connector and remove the blank connector. Connect the yellow wire from the ESS harness to the red wire from the connector. Locate the Black wire with ring terminal and connect it to the ground stud next to circuit breaker on the frame.

2003 and Earlier: Locate the Yellow wire on the ESS harness with the gray connector. Cut off the gray connector (close to the body) and crimp with new ring terminal, included in the kit. Connect terminal to the load side (silver terminal) of the circuit breaker (under seat). Locate the Black wire with ring terminal and connect it to the ground stud next to circuit breaker on the frame.

19. Continue to route the harness under the fuel tank and into the fairing. Disconnect the power connector to the lighter. Connect the Orange/white wire with piggyback terminal from the ESS harness between the power lead and lighter, then connect to the lighter.
20. Remove the existing two front speakers. Take note of the wire routing and spade terminal-to-wire connections (respective colors). Save hardware for installation.
21. Obtain speaker (P/N 77178-01) from kit and using hardware saved in Step 21, mount new front speaker with terminals pointing toward center of vehicle. Repeat for the opposite side.
22. Connect front speakers according to the following:
 - a. Match the colors of the ESS wires to the wire colors of the original speaker inputs.
 - b. Plug the female spade terminals that were connected to the speakers into the corresponding male spade terminals of the ESS harness.
 - c. Connect the female spade terminals from the ESS harness into the corresponding male terminals of the speakers.
23. Use tie straps and carefully secure harness wiring in place.
24. Follow instructions in applicable Service Manual and install fairing in place.
25. Tighten fuel tank mounts.

⚠ WARNING

Connect positive (+) battery cable first. If positive (+) cable should contact ground with negative (-) cable connected, the resulting sparks can cause a battery explosion, which could result in death or serious injury. (00068a)

26. Connect battery cables, positive cable first.
27. Install seat.

⚠ WARNING

After installing seat, pull upward on front of seat to be sure it is in locked position. While riding, a loose seat can shift causing loss of control, which could result in death or serious injury. (00070a)

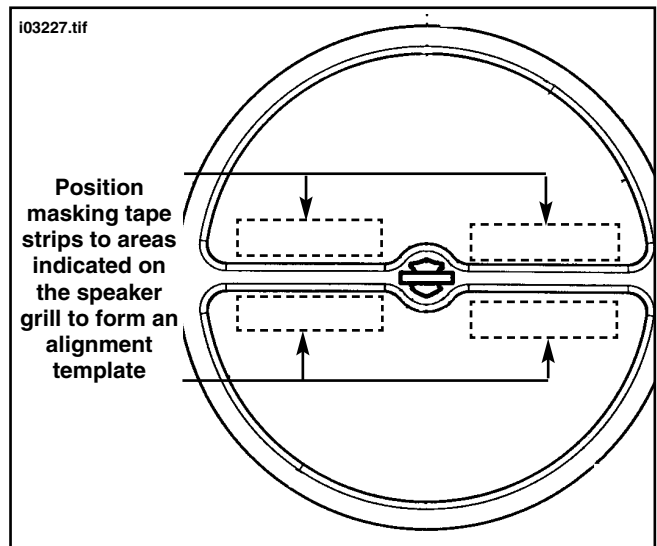


Figure 1. Front Speaker Trim Ring

Install Front Speaker Trim Rings

NOTE

Do not install this product below 60° Fahrenheit or the speaker trim will not adhere properly.

NOTE

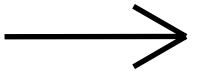
Trim rings cannot be repositioned after initial installation so be certain the trim rings are properly aligned.

28. Gently brush or vacuum each speaker grill to remove any dust or dirt particles.
29. Cut 8 one inch long strips of narrow masking tape.
30. Without removing the adhesive backing, position the trim rings against the speaker grill. Rotate trim rings into desired position and hold in place.
31. See Figure 1. Apply masking tape directly to the speaker grill above and below the trim ring cross bar and on both sides of the center Bar and Shield logo. This will serve as an installation template.
32. Remove trim ring adhesive backing.
33. Align trim ring with the masking tape template and press firmly into place.
34. Remove masking tape template.
35. Allow adhesive to cure for 24 hours before operating the motorcycle.

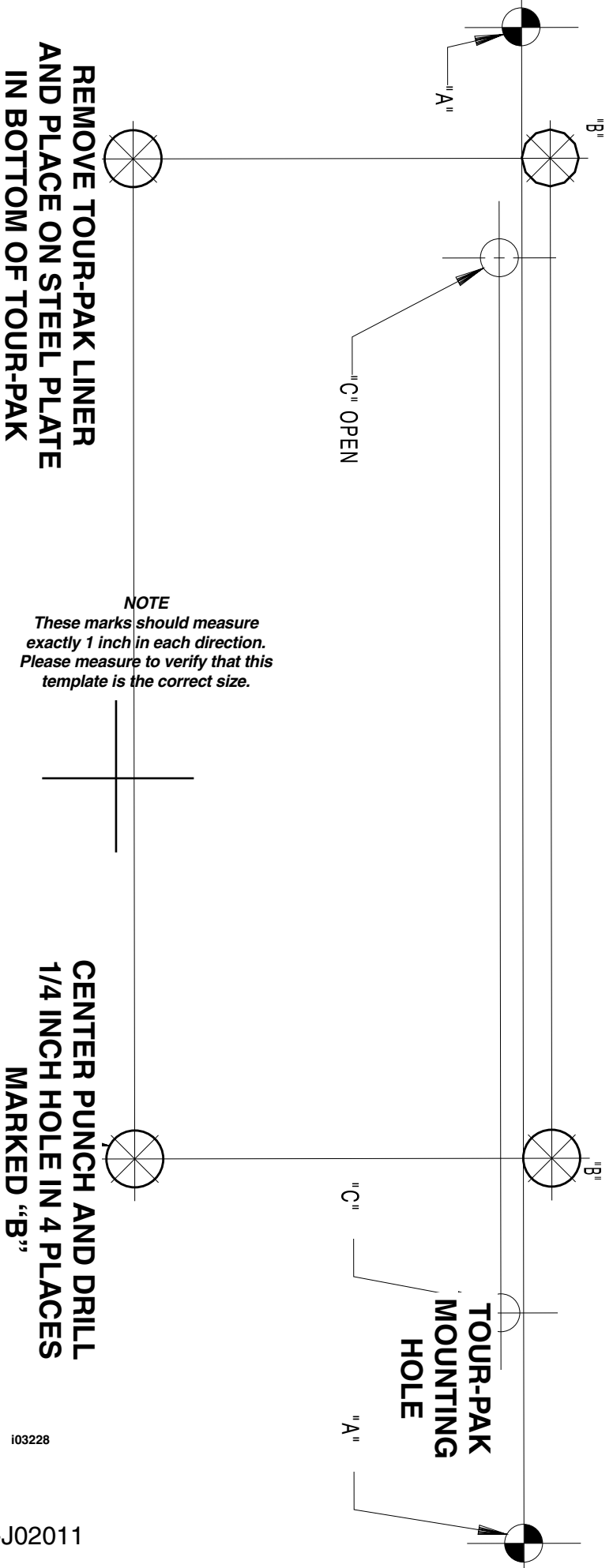
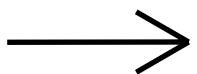
NOTE

Operation when using a portable CD player with a 2002 and earlier model vehicle:

1. Connect the CD output jack to the auxiliary input port on the face of the radio.
2. Set radio volume between 1/2 and 3/4.
3. Adjust the volume on the CD player so the volume output of the radio while playing a CD is the same as the volume output of the radio with a station tuned in.
4. Using the auxiliary out jack of the CD player may result in distortion at higher volumes.



FRONT OF TOUR PAK



**REMOVE TOUR-PAK LINER
AND PLACE ON STEEL PLATE
IN BOTTOM OF TOUR-PAK**

**CENTER PUNCH AND DRILL
1/4 INCH HOLE IN 4 PLACES
MARKED "B"**

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