

SOUNDZ AUDIO FAIRING SPEAKER KIT (FLTR)

GENERAL

Dealer installation is recommended.

Models

2015-2020 All Models

Installation Requirements

NOTICE

Radio EQ MUST be updated by a SOUNDZ AUDIO dealer BEFORE operating the audio system. Operating the audio system prior to radio EQ update will IMMEDIATELY damage the speakers.

Radio EQ update using the Techno Research diagnostic tool is:

- Recommended **before** speaker INSTALLATION
- Required **before** audio system OPERATION.
- Only available through authorized Soundz Audio dealers.



Rider and passenger safety depend 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 Soundz Audio dealer perform the installation. Improper installation of this kit could result in death or serious injury.

NOTE

This instruction sheet refers to service manual information. A service manual for this year/model motorcycle is required for this installation. One is available from a Harley-Davidson dealer.

When installing any electrical accessory, be certain not to exceed the maximum amperage rating of the fuse or circuit breaker protecting the affected circuit being modified. Exceeding the maximum amperage can lead to electrical failures, which could result in death or serious injury.

Electrical Overload



It is possible to overload your vehicle's charging system by adding too many electrical accessories. If the combined electrical accessories operating at any one time consume more electrical current than the vehicle's charging system can produce, the electrical consumption can discharge the battery and cause damage to the vehicle's electrical system. See

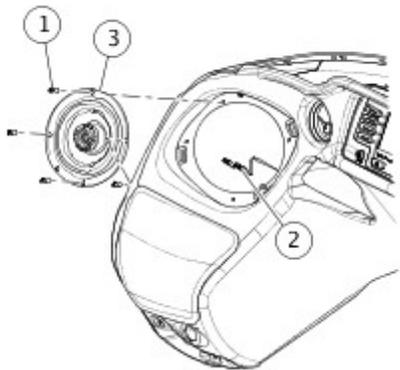
an authorized Harley-Davidson dealer for advice about the amount of current consumed by additional electrical accessories or for necessary wiring changes.

The purchase of this kit entitles you to a specially developed sound equalization software that is used with the Soundz Audio System. This unique equalization was designed to optimize the performance and sound response of the Soundz Audio fairing lower speakers. If this kit is not installed by a Soundz Audio dealer, this special equalization software is available without charge from any dealer through Techno Research. Dealer labor rates may apply.

REMOVAL

1. Remove windshield. Remove outer fairing. See the service manual.
2. Remove the fairing speaker grille assemblies. See the service manual.
3. Remove the fairing speakers **AFTER** the speaker enclosure is removed.
 - a. Remove four screws securing speaker to enclosure.
 - b. Hold speaker away from enclosure. Disconnect wires. Remove speaker.
 - c. Repeat on opposite side.
 - d. Discard speakers.

iso7975



1	Screw, TORX, #10 x 1/2 in (13 mm) long (4)
2	Speaker wire connectors
3	Original 5-1/4 in (133 mm) speaker

INSTALLATION

1. See [Figure 1](#). Attach the speaker harness connectors (1) inside the speaker enclosure (2) to the spade terminals on the back of the woofer (3). Different size spades distinguish between **Small connector = (+) Positive**. **Large connector = (-) Negative**

2. **Position the speaker over the opening in the speaker enclosure.**

NOTE

The letters "A" and "B" stamped on the outer rim (6) of the speaker.

For the left speaker, rotate so the letter "B" is at the bottom.

For the right speaker, rotate so the letter "A" is at the bottom.

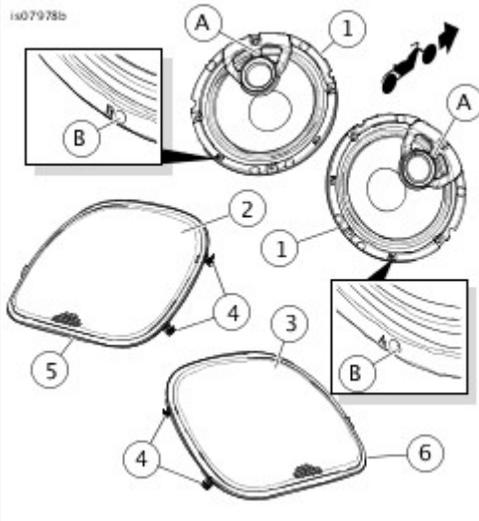
3. Position the speaker mounting assembly to align the mounting holes with the speaker pod.

NOTE "IRON 65s & CARBON 65s have A, B locating holes labeled on the speaker"

For Street 65 & Iron 61, the alignment tab will need to be removed SEE #11 in Figure 2

4. Fasten speakers to the enclosure with four screws provided in the kit (5). Tighten to 1.6–2.3 NM (14.2–20.4 in-lbs.).

We highly recommend using a 2.5" hole saw centered on the cutout circle of our template that is included with your kit. This allows for a larger magnet speaker like the Iron series to fit better, but also allows the speaker more air space which aids in midbass response and cooling of the speaker.



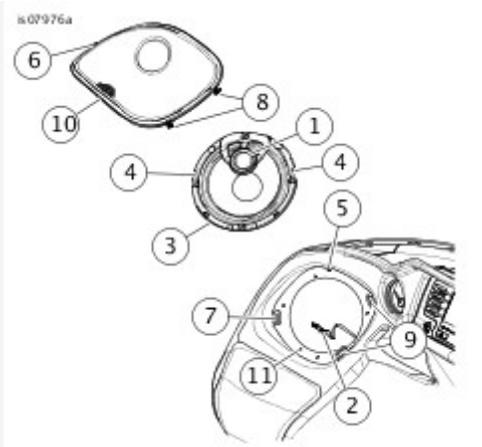
1	Speaker harness connector. Big Connector (-) Small Connector (+)
2	Speaker enclosure (2)

5	Screws (8)
5	Clocking orientation Letter "B Left" "A Right"

NOTE

5. See [Figure 2](#). Install grille assembly (1):

- A. Verify that the rubber gasket (2) is in place around the perimeter of the grille. Check that the two clips (3) are in place on the grille tabs (4). Replace components if damaged or missing.
- B. Engage tab (4) into the outboard side of the speaker opening.
- C. Engage the grille retainer clips in the slots (5).
- D. Push on the grille in each retainer area until an audible click is heard.
- E. Repeat on the opposite side.



1	Tweeter bridge
2	Speaker wire connectors
3	New 6.5 in (165 mm) speaker
4	Notch
5	Tab

6	Tab (outside)
7	Socket (inside)
8	Clips (inside)
9	Sockets (inside)
10	Speaker cover
11	Alignment pin

WARNING

Be sure that steering is smooth and free without interference. Interference with steering could result in loss of vehicle control and death or serious injury.

- Make sure that wires, harnesses or lines do not pull tight when handlebars are turned fully to left or right fork stops.

Verify that steering is smooth and clear from stop to stop.

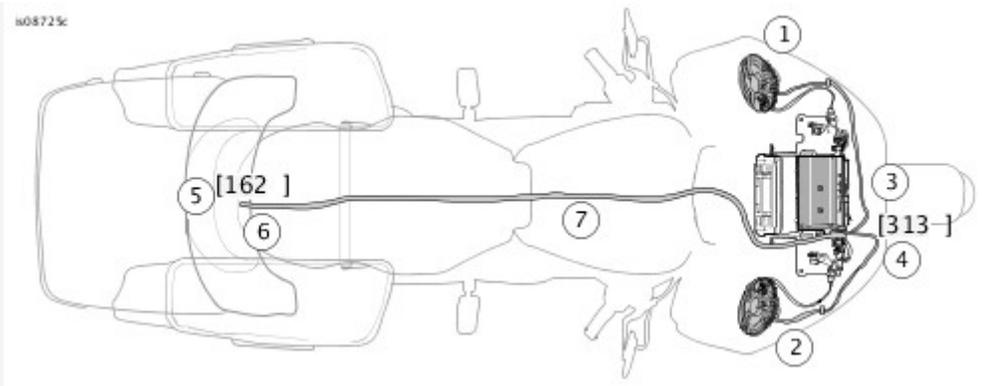


Figure 3. Fairing Speakers, Amplifier and Approximate Connection Locations

COMPLETION

NOTICE

Radio EQ MUST be updated by a Soundz Audio dealer BEFORE operating the audio system. Operating the audio system prior to radio EQ update can IMMEDIATELY damage the speakers.

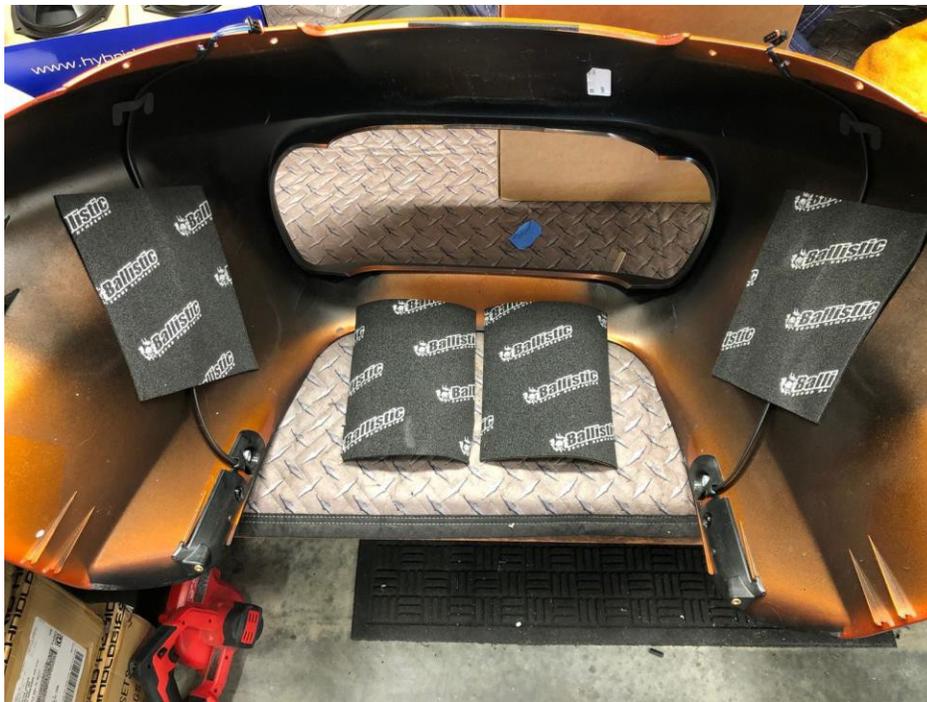
- See the service manual. Install main fuse.

2. Have a Soundz Audio dealer update the radio EQ using Techno Research.
3. Turn the ignition ON, but do not start the motorcycle.
4. Refer to the BOOM! BOX INFOTAINMENT SYSTEM section of the owner's manual. Turn the radio ON. **Make sure that all speakers are working, and front/rear fader function is operating correctly "ONLY - IF RUNNING A DSP"**. If not, check speaker wiring. Understand that buzzing, squeaks and rattles could be heard until outer fairing is installed.
5. See the service manual. Install outer fairing. Install windshield.

IN USE

Avoid direct contact with speaker grilles by a pressure washer. Damage to speakers can result.

ROAD GLIDE BALLISTIC PLACEMENT OVER MARKER LIGHT WIRES



Rushmore Shark Nose Fairing Amplifier Installation

Road Glide 2015-2020

Amplifier mounts to bracket via 4-M4 machine screws.

Amplifier bracket mounts to factory main fairing bracket via 4-1/4-20 hex bolts in factory slots as indicated in the HD service manual.

To slide the amplifier in, you need to orient the amplifier so the point of the arrow (amp bracket is shaped like an arrow) faces towards the headlight with the amp towards the wheel, power block and output section towards the tank, and input section with adjustments towards the headlight.

Pro tip: When installing speakers, reference the template for location, however, a 2-5/8" hole saw works best.

Wire Routing

Route power wires under tank and connect to battery, and ONLY the battery for both 12V+ & Ground.

Connect T-harness to appropriate input and output connections. Note that the clear color connectors go to the input side and black color connectors go to the output side. White/grey is front, and green/purple is rear, UNLESS otherwise noted as some models may deviate from this to accommodate special factory wiring in RARE scenarios.

Power Harness routed under tank, through trough, along the right side of the frame. Route along the main harness and along the right-side overlay harness up to the amplifier power input of the amplifier.

Remote turn on (without DSP) is connected behind the Volt gauge to the 2-pin accessory connector and then to the amplifier power input.

Once T-Harness is connected to both the radio and factory harness, the radio side of that main bundle will route to the left, below radio, then route the other side of our T-harness towards the right speaker pod with a zip tie on that overlay harness. Keep the large connection joint tucked in behind and to the right of the radio connector and along the overlay harness so it does not interfere with the outer fairing.

Route the **speaker output** above the headlight bolt tab (Right Upper), along the right side of the amplifier on the bracket, connect to the amp, and zip tie any excess to the main harness coming from the neck of the bike.

Route the **speaker input** with a small service loop initially under the radio connection and towards right speaker pod, with about an inch of wire (allows enough slack to remove radio), then along the fairing overlay harness towards the left speaker pod and down along the fairing towards the amplifier input connection with the excess bundled and zip tied below the amplifier along the main harness coming from the neck of the bike.

If using a DSP, refer to that part of the directions for remaining information.

Soundz HD-DSP 14-20 Installation instructions

Included with the HD-DSP is our proprietary T-harness, DSP to amp input harness, DSP module, and DSP bracket (not used with new water-resistant case on all models).

The bracket will mount to the Left (as you sit on bike) side of either batwing or shark nose fairing style (not used with new water-resistant case on all models).

Batwing - Mount the bracket against the Left speaker pod. It has two drilled holes that align with two studs protruding from the speaker pod, one is threaded, one is not. Then slide the point into the square slot with a hole in the center and use the supplied screw to tighten the bracket in place while putting force against those two studs. This will hold the bracket in place with tension and the screw.

Shark nose - Mount the bracket on the Left side of the main inner fairing bracket next to the speaker pod. Use holes C & D with the supplied screws.

Shark nose in new water-resistant case – mount below amplifier using the two main factory wire harnesses to mount the case loops to. The RCA cables route along the left side factory cable, next to the speaker enclosure, along the factory overlay harness, behind radio, and finally down to the inputs of the amplifier, zip tied together to avoid interruption of the headlight mounting.

Mount DSP using the Velcro supplied to bracket (when bracket is used).

If either model has a CB Module, disregard the bracket and use the Velcro to mount the DSP directly to the CB Module.

Connect DSP main T-harness to radio then connect the original radio harness to the receptacle of the T-harness.

Route and Connect the main DSP harness from T-harness to DSP. Fully seat harness.

Route and connect the Input signal and remote turn on side of the DSP harness to DSP and then to the amplifier. Fully seat harness into DSP.

Connect the front amplifier input from DSP (white/grey wires in plug) to the front input of the amplifier.

Connect the rear amplifier input from DSP (green/purple wires in plug) to the rear input of the amplifier.

Connect the blue or blue/white stripe wire to the remote turn on input of the amplifier. DO NOT CONNECT ANY OTHER WIRE TO THIS SOURCE. Connecting another 12V or ground wire to this will damage components and will NOT be covered under warranty.