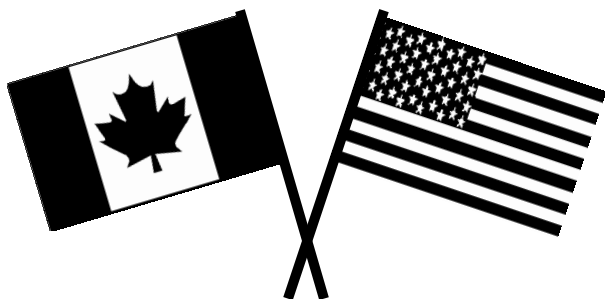


HOGTUNES

Audio Solutions For The Great American Cruiser



**Designed and Engineered in Canada For
The Great American Cruiser**

REV 450-AA

Installation Manual

***For Use On All 2000-2013 Harley Davidson
Touring Models With Radios***

***Hogtunes RG4CH-AA (Drag Specialties Part#4405-0405)
Is Required For Mounting On Road Glide Models**

**If Using LED Brake Light and/or Turn Signal Modules On Your
Bike, Hogtunes Recommends The "Spread Spectrum" Signal
Stabilizers From Custom Dynamics® For Noise Free
Performance With Any Audio System**

Version MP1

Thank-you for choosing the Hogtunes REV 450-AA Amplifier. Since positive word of mouth is the best way to grow our business, we want your new amp to work as well as it was designed to. If you have any questions or concerns, we are here to help. Email tech@hogtunes.com, or call us during regular business hours (EST) at (705)-719-6361. If you still need help, please consider a professional installation by your motorcycle dealer.

IMPORTANT NOTE: The REV 450-AA makes its best power when powering 2 Ω (Ohm) speakers. This amplifier is made to work on 2000-2013 bikes only!

Getting Started:

Step #1: Remove the seat, and both wires (+ and -) from the battery. (Negative being removed first is a good practice)

Step #2: Remove the outer fairing/headlamp assembly. Refer to a service manual if you need help with this. Note: A towel on the front fender can help prevent scratches or “dings” from dropped tools or fasteners etc.

Step #3: Take the 2 wires off each front speaker by gently pulling one at a time. If installing on an Ultra, remove each rear speaker grill by undoing the 4 screws on the front of the grills. Carefully lift up on each speaker and take the 2 wires off by pulling one at a time from the stock speaker. Put the rear grills, fasteners, and speakers aside for now.

Adjusting the “Fader/No Fader” switch on the amp:

On the side of the amplifier is a "Fader/No Fader" switch. This amplifier gets its music from the radio via the factory speaker wires. Street Glides, Road Glides, EG Classics, (and Standards with factory radio) have factory speaker wires for the front speakers only. Ultra Classics have an “active” fader control in the radio that allow the rider to control the volume levels between the front and rear speakers. If you have an Ultra and want the amp to run front and rear speakers, you will put the switch to the "Fader" position. This will also work if you have a "non-Ultra" and have added rear speakers, factory rear speaker harness and the fader function has been activated by the dealer. In all other cases, the switch will go to the "No Fader" position. This allows all channels of the amp to be driven equally with no fader. On Non Ultra models where there is no fader function, this is perfect if your adding front speakers, and either speakers in fairing lowers, or speakers in the saddlebag lids. This will also be the position to choose if you are using this amp to run front speakers and lowers on an Ultra where a separate amp or radio power will drive the rears.

Step#4: The power harness ends in a black plug with 1 larger (10awg) red wire and 1 larger (10awg) black wire. Locate this and plug it into the matching “pigtail” on the amplifier. The input harness has a smaller black 8 pin plug with smaller gauge wire. Plug this into the black socket on the amplifier marked “hi level input”. Locate the 4 pin black plug with black/brown, and black/blue wires. This will plug into the “front out” on the amp, which is a black socket.

Configuring the Amplifiers Rear Channels (Fader/No Fader Switch Setting):

A) If installing on an Ultra where the amp will power fronts and rear speakers:

Locate the long "rear speaker" harness with 8 wires in it. One end has a white 8 pin connector that will go to the rear of the bike, the other end has two 4 pin connectors that will remain in the fairing. One of the 4 pin connectors on this long harness will plug into the empty 4 pin plug on the input harness. It will only go on one way. The other 4 pin plug on the rear harness will plug into the “rear out” which is a white socket. Remember to have the “Fader/No Fader” switch set to “Fader”.

B) If installing on a EG Classic or Street/Road Glide where the amp will power front and rear speakers:

Locate the long "rear speaker" harness with 8 black wires in it. One end has a white 8 pin connector that will go to the rear of the bike, the other end has two 4 pin connectors that will remain in the fairing. The 4 pin plug on the rear harness will plug into the “rear out” which is a white socket. The other white 4 pin plug is not used. Remember to have the "Fader/No Fader" switch set to "No Fader".

C) If installing on a EG Classic or Street Glide where the amp will power front speakers, and saddlebag lid or fairing lower glove box speakers:

For Hogtunes lowers or saddlebag 6x9” lid speakers , use the harness’s that come in that kit. Plug the black plug on this harness into the rear out on the side of the amp. If adding rears locate the long "rear speaker" harness with 8 black wires in it. One end has a white 8 pin connector that will go to the rear of the bike, the other end has two 4 pin connectors that will remain in the fairing. One 4 pin plug on the rear harness will plug into the "bypass out" which is the blue socket. The other white 4 pin connector on the same end of this harness is not used. Remember to have the "Fader/No Fader" switch set to "No Fader". **IMPORTANT** In this configuration, the amp is powering 4 speakers and the radio is powering the rears. The radios power is diverted to this set of speakers, so the speakers ohms (Ω) used in this location **MUST** match the ohms the radio works with. For 2006-2013 factory radios, 2 ohm speakers are required. For 2000-2005 factory radio’s, 4-8 ohm speakers are required.

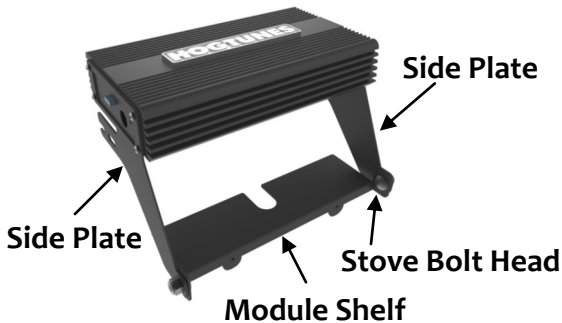
IMPORTANT—Rear Speaker Selector Switch

On the end of the amp, you will see a 2 position “Rear Speaker Selector” switch with “A” and “B” settings. Please read all the options below and set the switch to the correct position for your bike.

- 1) If you have the rear channels of the amplifier powering speakers in Ultra Classic the rear “pods”, or speakers in fairing lower glove boxes, **MAKE SURE** the switch is in the “A” position.
- 2) If the rear channels of the amplifier are powering Hogtunes 6x9’s in Hogtunes saddlebag speaker lids, put the switch to “B”.
- 3) If the rear channels of the amplifier are powering Hogtunes FL-7W 7” woofers, put the switch to “B”

Mounting the Amplifier:

For 2006-2013 bikes, the amplifier mounts inside the fairing “over” the radio using the side plates shown below. For ‘00-05 Bikes, the supplied hook/loop is used to secure the amp to the top of the radio instead of the plates. The side plates are attached to the side of the amplifier by removing 4 screws on each side of the amp, positioning the plates as shown below, and re-installing the screws into the amp. Factory CB, XM, and other similar modules (if present) are mounted on top of the radio and secured with a screw that goes into the back of the radio. Remove the screw and let the module(s) hang for now. If required, the module shelf is NOT installed yet! Each side of the radio has 2 large allen head bolts that secure the radio into the fairing. You will loosen the bolts on each side that are farthest away from you, but remove the bolts closest to you. The amp will “clip in” to the back bolts, and the bolts removed will go back in over the plates to secure the amp. Re tighten all 4 bolts to factory specs. If you have modules that are now hanging, install the module shelf as shown noting that the “stove bolt” heads must be positioned as shown. Your module(s) will screw into the shelf using the factory screw(s) you removed from the back of the radio.



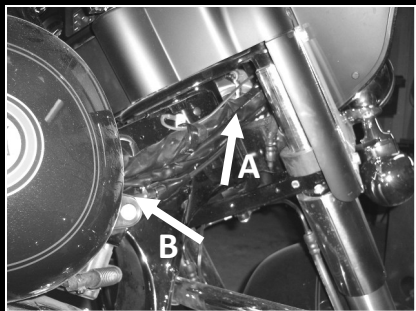
Wiring the amplifier:

Step #1: With amplifier in place, take the yellow/black wires on the input connector of the amplifier, and plug them into the front factory speaker wires on the clutch side of the bike. They will only go in one way. Take the brown/black wires on the “front out” connector and plug them into the front clutch side speaker. They will only go in one way.

Step #2: Take the green/black wires on the input connector and plug them into the front factory speaker wires on the brake side of the bike. Take the blue/black on the front out plug, and plug them into the brake side front speaker. Again, these will only go on one way.

Routing the power wire harness and harness for rear speakers (if used):

Step #1: The power/ground harness and rear harness will pass together under the inner fairing where the main wire harness passes through on the brake side of the bike. Loosen the tanks “chrome console” and run wires up and over the gas tank, but under the tanks chrome console. There is a provision on the front of the tank console for wires to pass.



Stock Harness and Amplifiers Harnesses Passing From Fairing To Just In Front Of Tank (Arrow A) . Cable Tying the Harnesses To The Main Bike Harness Just In Front Of The Tank (Arrow B) Allows The Amp Harnesses To Go Up Towards The Tanks Chrome Console Easier And Makes For a Cleaner Install.

When correctly installed, the power and ground wires are the right length to connect to the battery, and if used, the rear wire 8 pin harness is the right length to be zip-tied to the brake side fender strut. Be sure to run the 8 pin harness UNDER the air line for the brake side rear shock.

If your bike requires running the supplied rear harness for rear speakers:

On the 8 pin rear harness “end” you will see 2 pairs of shorter wires in a sheath, and 2 pairs of longer wires in a second sheath. The shorter wires are for brake side as shown by the label on the wire.

If installing on an Ultra, the wires will enter where the factory wires enter each rear speaker box. Plug the factory rear speaker wires into the male wires of the amp harness noting they will only go on one way. Take a Hogtunes 2 ohm rear speaker and plug the female connectors of the amp harness into the speaker. Again, they will only go one way. Repeat this step using the longer wires on the clutch side of the bike. If using Hogtunes Rear Speaker Pods, the wires enter through a "slice" in the vinyl on the lower inside part of the box.

Turn the stereo on, and at low volume, test to make sure all speakers are working and the fader on the radio (if present) works. Note: Sound quality is best with the fairing mounted and secured on the bike. Re-install the seat making sure the amplifiers "+" and "-" connectors are positioned in such away so they will not bend or break when the riders weight is on the seat. This is the best time to take a few minutes to "clean up" the wiring, and secure using supplied zip-ties.

Before re-installing outer fairing, turn front wheel to each extreme side making sure any wiring is not impeding the steering of the motorcycle.

Failure to do so can result in serious injury or death!

Adjusting Bass and Treble Using Your Bikes Radio:

The way the system sounds sitting still or at a stop light will be RADICALLY different from how it sounds "at speed". You are able to use the radios controls to adjust the sound, but please do so carefully when riding. When adjusting bass and treble, for best results, try not to exceed 3-4 past the middle position on your radio.

Re-install the fairing and your system is now ready to enjoy!

Amplifier Specifications:

RMS Power at 2 Ohms: 50 watts x 4

Amplifier Platform : Class A/B

Freq. Response: 30hz-25khz

Fuse at Amp: 30 amp

Warranty Information:

Please Record Your Amps Serial # Here _____

Hogtunes Amplifiers are warranted for 3 years from original purchase date. Proof of purchase is required for all warranty claims. The warranty applies to the original retail customer, and is not transferable. Please contact Hogtunes for all warranty claims. Products found to be defective during the warranty period will be repaired or replaced (with a product deemed to be equivalent) at Hogtunes sole discretion. Hogtunes complete warranty policy is available on our website at www.hogtunes.com/warranty.html

IMPORTANT: In the event of a warranty claim, please fill out the form in the Warranty section of our website, or contact us by email, or by phone. Valid claims will have an Return Authorization Number (RA#) generated which MUST appear on the outside of the box when it arrives to our offices.

Goods Arriving Without an RA# will be refused!

What Is Not Covered:

- 1) Any expense related to the removal or re-installation of Hogtunes products.
- 2) Repairs to these products performed by anyone other than Hogtunes.
- 3) Subsequent damage to any other components.
- 4) Any product purchased from a non-authorized Hogtunes dealer.
- 5) Damage to Hogtunes products due to an accident or collision.
- 6) Hogtunes Amplifiers with broken or removed “warranty void” stickers.
- 7) Damage due to water from custom installations.

Harley-Davidson, Electra Glide, Road Glide, Street Glide, Ultra Classic, Tri Glide CVO, Screamin Eagle and Tour-Pak® are Trademarks, and/or Registered Trademarks of Harley-Davidson, Inc., Milwaukee, Wisconsin, USA, and if Used or Implied are for Reference Only. There is No Affiliation Between Harley-Davidson, Inc., and Hogtunes Inc.

**PRACTICE
SAFE
SOUND!**

Any audio system can be a distraction to the rider and/or passenger. Please use caution when playing your stereo, especially in traffic.

www.hogtunes.com