

WILD BOAR AUDIO

By HOGTUNES



WBARG KIT.2R

400 WATT 2-CHANNEL AMP & SPEAKER KIT
(A RADIO RE-FLASH MAY BE REQUIRED FOR CORRECT OPERATION!)

FOR USE ON 2015+ RUSHMORE PLATFORM ROAD GLIDES

INSTALLATION MANUAL

Thank you for choosing the Hogtunes Wild Boar Audio WBARG Kit.2R for 2015+ Rushmore Platform Road Glides. Since positive word of mouth is the best way to grow our business, we want your new system to work as well as it was designed to. If you have any questions or concerns, we are here to help.

The WBA 400.2R amplifier is a Class D design. It should be understood that ALL Class D amplifiers, REGARDLESS OF BRAND, cause a reduction in FM reception. The WBA 400.2R features a proprietary circuit design called R.E.M.I.T. (Reduced Electro Magnetic Interference Technology) that Hogtunes believes gives the BEST FM reception available for any Class D Amplifier designed for a motorcycle. If you add a 2nd or 3rd model amplifier to your system, reduction of FM reception is increased and is considered normal.

Hogtunes understands that some riders prefer the cosmetics of in-fairing antennas, however it should be noted that NOTHING WORKS AS WELL AS THE FACTORY ANTENNA. If FM is an important part of your riding experience, we strongly advise against the use of any in fairing type antenna!

IMPORTANT

For Road Glide and Road Glide Special models, this system requires a radio re-flash by a dealer to work properly. This is explained in Section 3 of the manual. Please **DO NOT** ignore this important step, or the system will not work as well as it has been designed to. With the correct radio flash, the system can play at high levels with virtually no audible distortion.

The installation will be done in 3 steps.

- STEP 1: CHANGING OUT THE FRONT SPEAKERS**
- STEP 2: INSTALLATION OF THE AMPLIFIER**
- STEP 3: ROUTING THE POWER HARNESS**

Wild Boar Audio Contact Information

Email: techsupport@hogtunes.com

Tel: 705-719-6361

SECTION 1

SPEAKER INSTALLATION

Step #1: Remove the bikes seat, and undo the main (+ and -) connectors from the battery. Remove the outer fairing/headlamp assembly and set aside. Refer to a service manual if you need help with this. *NOTE: Placing a towel on the front fender can help prevent scratches or "dings" from dropped tools or fasteners, etc.*

Step #2: **Grill Trim Ring Selection:**

In the box, you will see that the metal mesh grill with tweeter in it is sitting in the black trim ring. If you turn this over, you will see "tabs" in the metal mesh used to secure the mesh to the black trim ring have not been folded over. These were left unfolded in case you want to remove the mesh, and have your black trim rings customized, or if you want to place the metal mesh in the chrome trim rings that also came in the box. No matter which trim rings you choose, the metal mesh grill with tweeter must be properly "seated" in the trim ring and all 6 metal mesh "tabs" must be folded over before proceeding.

Step #3: **Removing the Factory Grills:**

Each factory grill will be removed from the inner fairing by prying up on them. Start with your fingers, but if you must use a tool, please use something with a 90° end being extra careful not to scratch your inner fairing...especially if its painted! On the back of each grill, there is a rubber gasket and 2 white clips which will be removed from the factory grills and re-installed on the Wild Boar Audio grills.



NOTE: The factory clips must be removed carefully! Using your thumbnails or a flat edge under each side, gently pry the 2 ends apart (as per the image) and pull up to release each clip from the stock grill. If you put a flat edge under one end only, the clip cannot release and you have a very good chance of breaking the clip.

Step #4: Removing the Factory Speakers:

With the grills off the bike remove the 4 screws that secure the factory speaker to bike. Gently pull up each factory speaker so it's coming away from the bike and carefully remove the speaker wires. Put the factory speakers aside.

Step #5: Installing the Wild Boar Audio WBC 1654 RG Speaker:

Take a Wild Boar Audio woofer and attach the factory speaker wires noting they will only go on one way. The #1 reason for tech related calls is loose wires at the speaker which is why we designed the self-locking clips on the speaker frame. You will need to "maneuver" the new woofer into place so it will go past the grill opening on the inner fairing, noting it will go in without force. In order to make the speaker install properly, the speaker wires must be oriented so they are closest to the top of the inner fairing (12 o'clock position). When installed correctly, the 2 small wires that go from the back of the speaker and "through" the speakers ring will also be in the 12 o'clock position. Reinstall the factory screws to secure the woofers in place making sure the speaker is flush to the mounting plane of the factory speaker cabinet.

Step #6: Installing the Wild Boar Audio Speaker Grills:

Before proceeding, please MAKE SURE all 6 metal mesh tabs on the speaker grills have been folded over to properly secure the grill mesh to the trim ring! There is a small 2 wire plug for the tweeter on each grill that will get plugged into the mating connector on the wire coming through front of the speakers ring. When these are plugged together, there will be an extra length of wire. In the kit there are foam strips that are "peel and stick". You can use the peel and stick foam that came with the kit to secure the extra length of wire on top of the factory speaker cabinet. The goal is to make sure this extra length of wire does not fall in front of the woofer and rattle against the woofer as it's playing. With the extra wire out of the way, the new grill will press into the inner fairing and "click" into its final position.

SECTION 2

AMPLIFIER INSTALLATION

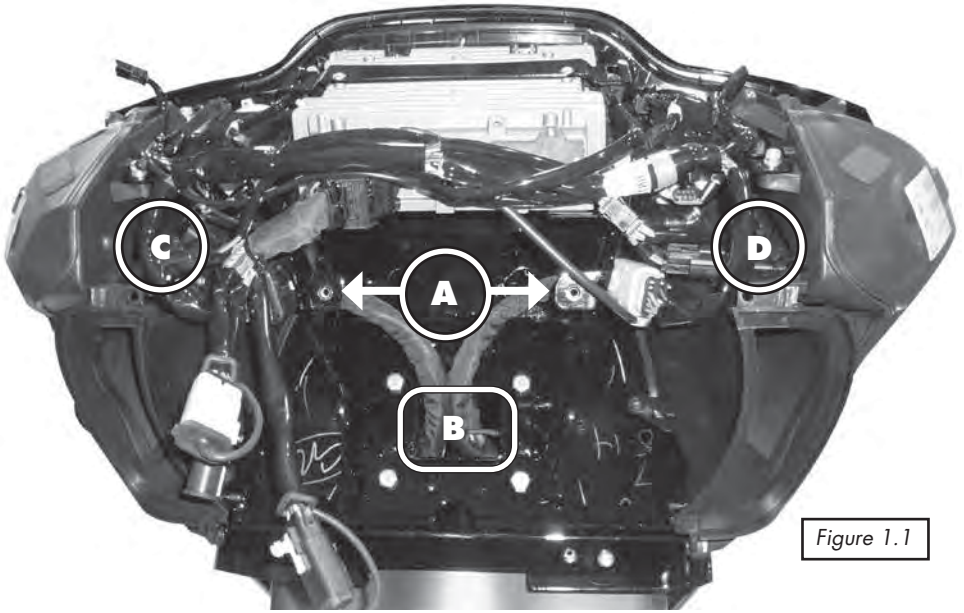


Figure 1.1

Before proceeding, please locate the points in the fairing identified by the letters in Figure 1.1.

A= mounting points for Headlight assembly

B= Wire passage from fairing to bike

C= Brake side speaker harness (Pink and Pink with Black Stripe wires)

D= Clutch Side Speaker harness (Pink and Pink with Black Stripe wires)

Step #1: Out of the box, the amplifier comes on a mounting plate used for Street Glide and Ultra fairings only. Separate the amp from the plate and put that plate aside. As shown in Fig 1.2, locate the Road Glide specific plate and attach the amp to the plate so it is in the same orientation as shown. When installed, the amp will be on the back of the plate. We do this so it is much easier to put a second amp later if you choose. The second amp sticks to the front of the plate.



Figure 1.2

Step #2: Locate the power harness for the amplifier. One end has ring terminals and a fuse and the other has a 2 pin connector. Using Fig 1.1 on Page 4 for reference, you want to run the "ring terminal end" of the power harness through "B". Position it so the 2 pin power connector is accessible in the inner fairing and the slack can be adjusted later in the installation. Just in front of the tank, there is a structure that attaches the fairing to the frame of the bike. The power harness will pass through this structure and exit through the rectangular opening where the factory harness also exits the structure on the BRAKE side of the bike. Note: it can be easier to pass the wire harness through the rectangular opening if you open the fuse holder and remove the fuse before passing the wire harness. You can run the power harness under the gas tank if you are comfortable removing the gas tank, or you can run the power harness up and over the tank but under the chrome console.

With the power and ground wires in the vicinity of the battery, move to step #3 WITHOUT connecting amp wires to battery.

Step #3: Locate the "audio in" harness which has yellow and green heat shrink on it, and plug its 8 pin plug into "audio in" on the side of the amp. Locate the amps "front out" harness which has blue and brown heat shrink on it, and plug it into the 4 pin BLACK pigtail coming out the side of the amp.

Step #4: Using Fig 1.1 on page 4 for reference, locate the 4 bolts around "B" and remove the top left and top right bolts (only). Also using Fig 1.1 on page 4 for reference, you will see 2 large factory harnesses between "A" and "B". You will have to wiggle the amp on the plate into place around these harnesses so that the holes on the "legs" at the bottom of the plate line up with the holes where the factory bolts around "B" were. With the plate in position, reinstall the factory bolts around "B" which will secure the amp on its plate to the bike.

- Step #5: As shown by “C” in Figure 1.1, on the brake side of the bike, there is a 2 pin connector with pink/pink with black stripe wires going through it. The plug is close to where the wires enter the brake side speaker cabinet. Separate the connector so there are 2 plugs. From the amp, take the 2 pin plug with blue heat shrink and install it into the plug going into the brake side speaker cabinet. Take the 2 pin plug with brown heat shrink and install it into the plug going into the clutch side speaker cabinet.
- Step #6: As shown by “D” in Figure 1.1, on the clutch side of the bike, there is a 2 pin connector with pink/pink with black stripe wires going through it. The plug is close to where the wires enter the clutch side speaker cabinet. Separate the connector so you now have 2 plugs. From the amp’s input connector, take the 2 pin plug with green heat shrink and install it into the mating plug on the brake side of the bike. Also from amp’s input connector, take the 2 pin plug with yellow heat shrink and install it into the mating plug on the clutch side of the bike.
- Step #7: Attach the red wire to the positive (+) battery terminal and the black wire to the negative (-) battery terminal. The factory battery wires are also re-installed at this point. When attaching the power and ground wires, it is always a good practice to do the negative (black) first. When the positive connector touches the battery, some sparking is normal. This is a function of the capacitors in the amplifiers charging up.

Turn the stereo on and, at low volume, test to make sure the speakers are working. Now is a good time to “clean up” and secure the wires using the supplied zip ties. For best possible FM reception, DO NOT attach any of the amplifier’s wiring to any factory antenna wires. Doing so will hurt your radios ability to receive FM signals!

***PLEASE READ SECTION 3 OF THIS
MANUAL TO INSURE PROPER
OPERATION OF YOUR NEW SYSTEM***

SECTION 3

RADIO FLASH INFORMATION

This section is VITAL to the correct operation of the system, please make sure you read and understand it, or contact us!

The correct flash required for this system is the exact same one that comes in FLH Ultra Classics (non CVO Models). The factory refers to this flash as "upper fairing/rear pods, zero amps". We understand that the flash we say to use indicates "zero amps" and that there is an amp in this system. The flash we indicate to use gives the correct sound and audio levels from the radio for the system to work correctly. You can also visit a "Techno Research" dealer as they can flash the radio as well. Techno Research dealers have a "Wild Boar Audio" Flash built in to their systems which is identical to the required factory flash. You can look for a Techno Research dealer by using the web link <https://technoresearch.info/tuning-centers-map/> There is a 3 position "Radio Flash Selector" on the side of the amp marked A,B, and C. In all cases, having the correct radio flash installed, and having the "Radio Flash Selector" set to "A" is the preferred setting!

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POSITION "A"

For "Non CVO" 15+ Road Glide or Road Glide Special, with the correct "front and rear speakers without amp" or "Wild Boar Audio" flash installed, the switch needs to be in the "A" position.

POSITION "B"

If you have installed this system but cannot get to a dealer for the correct flash, put the switch to position B. ***In all cases, having the correct radio flash installed, and having the "Radio Flash Selector" set to "A" is the preferred setting!***

POSITION "C"

Position C is there for any changes the factory may introduce in the future, and SHOULD NOT be used for this installation.

FINAL INSTALLATION NOTES

- 1) Many users will store music on a hand held type player and use that as the music source for the bikes audio. PLEASE NOTE: If you "borrow" music files from certain sites, they typically sound VERY POOR. **Using a good quality file will only make the system sound as good as it can!**
- 2) Many users will take advantage of the convenience of "streaming" their music to the radio using Bluetooth®. It should be noted that it was found that plugging in the music device using the radios USB cord sounds better and plays louder than using Bluetooth®.
- 3) Assuming you have the correct flash and the 3 position switch on the side of the amp is set to "A", we suggest having the bass on the radio set to 1 or 2 bars above the center position, and the treble set to one or 2 bars below the center position. If you have bass heavy music, and are hearing some "break up" there is nothing wrong with lowering the bass control on the radio till everything sounds "right". You can set the bikes AVC (Automatic Volume Control) however you like it, although we found "3 bars" works best.

*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!*

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

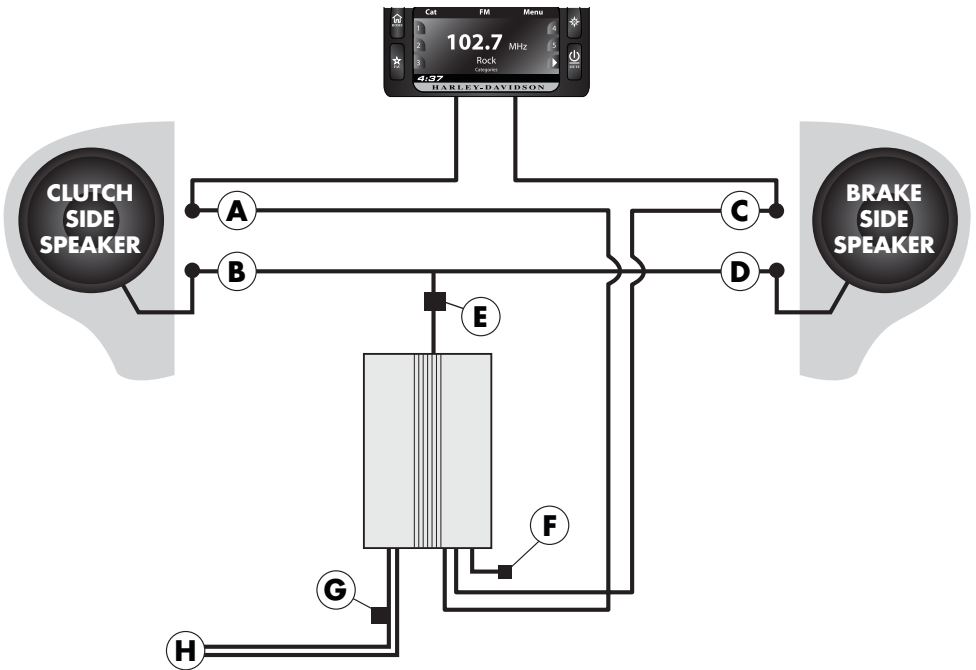
WIRING GUIDE

WBA 400.2R QUICK REFERENCE WIRING GUIDE

(IF ONLY AMP ON BIKE)

Note: From the factory, the plugs at indicators "A" and "B", and "C" and "D" are plugged together but get separated for this install.

- A Amplifiers Clutch Side Input (Yellow Heatshrink)
- B Amplifiers Clutch Side Output (Brown Heatshrink)
- C Amplifiers Brake Side Input (Green Heatshrink)
- D Amplifiers Brake Side Output (Blue Heatshrink)
- E Amplified Output "Pigtail" on Amp
- F Amplifiers Bypass Output For Adding More Amps Later
- G In Line Fuse On Supplied Power Harness
- H Amplifiers Main Power/Ground



This Page Is For Quick Reference Only. To Avoid Damage To Your System, Please Read Entire Manual!

WARRANTY INFORMATION

Wild Boar Audio branded speakers are warranted for a period of 5 years to the original purchaser. Wild Boar Audio branded amplifiers are warranted for a period of 3 years to the original purchaser. Proof of purchase is required for all warranty claims. Please contact Hogtunes head office 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/Wild Boar Audio's complete warranty policy is available on our website at www.hogtunes.com

What Is Not Covered:

- 1) Any expense related to the removal or re-installation of products.
- 2) Repairs to these products performed by anyone other than Hogtunes, Inc.
- 3) Subsequent damage to any other components.
- 4) Any product purchased from a non-authorized Wild Boar Audio dealer.
- 5) Damage to products from an accident or collision.
- 6) Damage from incorrect installation, improper use, abuse or modifications.
- 7) Damage caused by incorrect factory radio "re-flash" and amp combination
- 8) Damage to inbound warranty product due to improper packing.

IMPORTANT: In the event of a warranty claim, please fill out the form in the Warranty section of our website www.hogtunes.com.

Valid claims will have a 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!

**PRACTICE
SAFE
SOUND!**



Wild Boar Audio products will play much louder than the Original Equipment, which can be a distraction to the rider and/or passenger. Please use caution when adjusting or playing your stereo at high volume, especially in traffic.

You are a valued customer so please:

**Ride Alert
Arrive Alive!**

**www.wildboaraudio.com
www.hogtunes.com**