

HOGTUNES

Audio Solutions For The Great American Cruiser



5X7REV/RG INSTALLATION MANUAL

INCLUDES:

(1) Hogtunes NCA 70.2 Amplifier • (1) Pair Hogtunes 572.2-AA Speakers • (1) Road Glide Adaptor Kit

For Use on All 1998 and Newer FLTR Road Glide Models With Factory or After Market Radio

**** Not for use on CVO model bikes with factory amplifier installed*

Adjusting Your System--Please Read!

In order to make your new system perform as good as it was designed, please take a minute to understand and follow these tips:

- 1) Set your "Automatic Volume Control" (AVC) to 3 bars. After extensive on road testing, we found that this AVC position works and sounds best. Your new amplifier has been specifically set-up for this radio setting.
- 2) Your Hogtunes system is designed specifically for a motorcycle at speed. Exhaust noise and wind noise have been taken into careful consideration in how your system performs. How your new system sounds in a driveway or garage is radically different from how it will sound at highway speeds. Although your system was set-up with a factory radio with its bass and treble controls in the middle position, if you feel the need to make adjustments, please do so (carefully) at your normal cruising speed.
- 3) If you have an aftermarket car radio on your bike, everything will work fine, but please remember that car radios are designed to work in an environment with little or no exhaust or wind noise. Many car radios have "features" such as equalizers, loudness contours, surround effects, etc., all designed for a quiet environment, and all of which will hurt your ability to hear your motorcycle system at speed if left on. Please take a minute and turn as much of these "features" off. With a car radio in your bike, the only adjustments you should be able to access for best performance are volume, bass, treble, balance, and fader.
- 4) If you're using an external device to supply music through the radios aux port, we have an article on our website that can help make your peripheral audio device sound as good as it can. The article is at: http://www.hogtunes.com/techzone_files/Level_matching.pdf



A video version of this manual is available at **www.hogtunes.com**. If you still need assistance, please consider a professional installation by your motorcycle dealer.

Thank you for choosing the Hogtunes Model 5x7REV/RG front speaker and amp kit for 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.

Hogtunes Contact Information:

Email: info@hogtunes.com

Tel: 705-719-6361

5X7REV/RG INSTALLATION INSTRUCTIONS

Step #1: Remove the main power and ground wire from the battery. Remove your outer fairing/headlamp assembly, and set it aside. Refer to a service manual if you need help with either of these. *Note: A towel on the front fender can help prevent scratches or "dings" from dropped tools or fasteners etc. Expletives will also be kept to a minimum!*

- Step #2:
- On the brake side inside of the of the inner fairing, you will see a wire "strap" that secures a 3 wire harness (black, blue, and brown) to the bike. Take the wire out of this strap and let it hang.
 - The "A" arrow in figure 1.1 below is where a larger factory "Molex" plug is secured to the bike (if present). Pull down on this Molex to unclip it from the frame, and let it hang for now.
Note: Newer model bikes have this Molex located elsewhere.
 - Using a small flat head screwdriver, locate and adjust the 3 position switch on the end of the amplifier to the "+3" position.
 - The "B" and "C" arrows in figure 1.1 show the nuts that need to be removed on the brake side of the bike so the steel plate the amp is installed to can attach on the 2 main studs.
 - Once the plate is on, re-install these nuts to factory torque specifications.
 - The Molex that was removed from the frame (arrow "A") can be re-secured to other wire harnesses using supplied zip ties (if Molex is present).

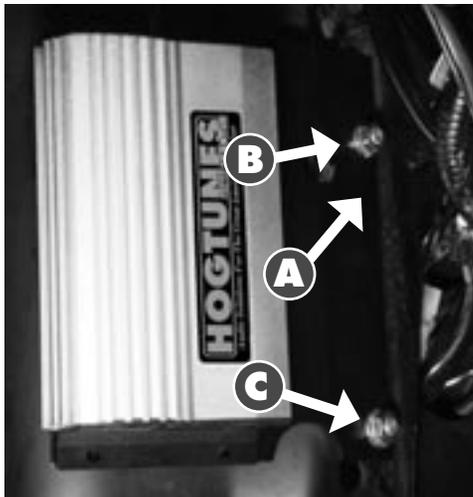
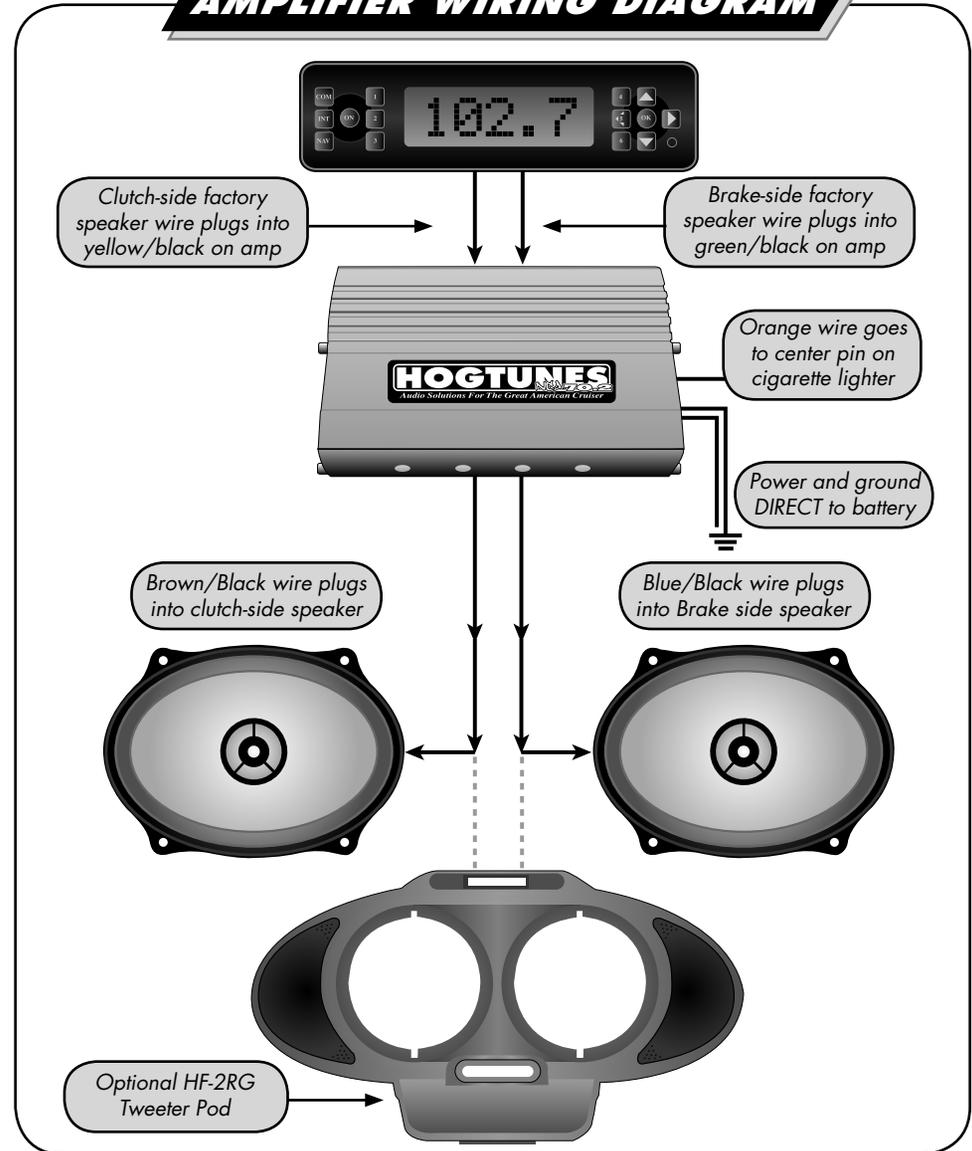


Figure 1.1
Amplifier
correctly
positioned
on bike

Step #3: Unplug the factory wires at each front speaker. Locate and remove the 3 torx head screws, and single "speed nut" that holds each stock speaker grill to the bike. The speakers and grills will come off as one unit, and along with the factory torx head screws, will be put aside. Separate the 5x7 speakers from their grills. In the kit is a small bag with screws. Using these supplied (Philips head) screws, install each 5x7Rev/RG grill to the bike, and re-install the stock "speed nut" on each side. Install the 5"x7" speakers to the grills, noting that the speakers must be oriented so the wire connectors are closest to the radio.

AMPLIFIER WIRING DIAGRAM



AMPLIFIER WIRE COLOR CODES

YELLOW/BLACK:	Clutch Side Amplifier Input From Factory Radio
BROWN/BLACK:	Clutch Side Amplifier Output to Front Speaker
GREEN/BLACK:	Brake Side Amplifier Input From Factory Radio
BLUE/BLACK:	Brake Side Amplifier Output to Front Speaker
ORANGE:	Remote Turn On Lead
RED:	12v Positive--Attaches Directly to "+" Battery Post
BLACK:	12v Negative--Attaches Directly to "-" Battery Post

WIRING THE AMPLIFIER

Step #1: Plug the 2 connectors of the main wire harness into "Power" and "Audio Input" on the amplifier. Tighten (snug) the 2 small flathead screws on the power connector to prevent it from backing out while riding.

Step #2: On the input harness, locate the yellow/black pair of wires with the male connectors and plug them into the factory speaker wires on the clutch side of the bike. Also on the input harness, locate the green/black pair of wires with the male connectors and plug them into the factory speaker wires on the brake side of the bike. The connectors are sized correctly, and will only go in one way. Note: The blue 4 pin plug with black wires on the input harness is an "expansion port" which used to send music to a second amp, or is used to send radio power to run other speakers on the bike. You can see how the expansion port can be used further on in this manual.

Step #3: On the opposite side of the amp are 3" (75mm) wires ending with a 4 pin black connector. This plug sends amplified power to your speakers. Locate the 4 pin black plug wire harness with brown/black and blue/black wires, and plug it into the amplified output plug. The blue/black wires will plug directly to the speaker on the brake side of the bike. The brown/black wires will plug directly to the speaker on the clutch side of the bike.

Step #4: The orange wire is the "remote turn on lead" and tells the amp to turn on whenever it sees +12v (.5 amp min.). Unplug the factory center wire (+) on the cigarette lighter. Plug the orange lead from the amplifier directly onto the lighter using the female connector. Plug the factory lighter wire to the male "take off" connector which is part of the amps orange turn on lead. Important: If you do not attach the orange wire from the amp to the center wire at the cigarette lighter, the amplifier will not turn on. If the factory fuse for your cigarette lighter is blown, and your cigarette lighter does not work, your amplifier will not turn on.

- Step #5:
- On the brake side of the bike, in front of the gas tank, on the side of the frames backbone, you will see a rectangular opening where a large wire harness, (and throttle/idle cables on 98-07 bikes) pass through from the fairing side of the bike. The red and black wires for the amp will pass from the fairing side through the large opening under the radio, and through the rectangular opening.
 - *Take the rubber cover off the inline fuse holder, and remove the fuse, the fuse holder will pass through the rectangular opening much easier. Once through the opening, be sure to replace the fuse!*
 - "Fishing" a small piece of wire through this opening first, taping the red and black wires to the fish, and then using the fish to feed the wires through may reduce install time! The harness is designed to be routed between the frame backbone and gas tank on the brake side of the bike, and come out just behind the gas tank.
 - You MAY need to undo the back bolt of the gas tank and pivot the tank up to allow the harness to pass through at the back of the gas tank. Be sure to re-install this bolt and torque to factory specs!
 - For 07+ bikes, Loosen the tank console and run wires up and over the gas tank, but under the tank console. There is a provision on the front of the tank console for wires to pass.
 - Secure the amplifiers harness to the bikes factory harness' using zip ties.

Step #6: 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. Secure the 5x7Amp/RG harness to the bikes factory harness' along the frame and behind the tank using supplied zip ties.

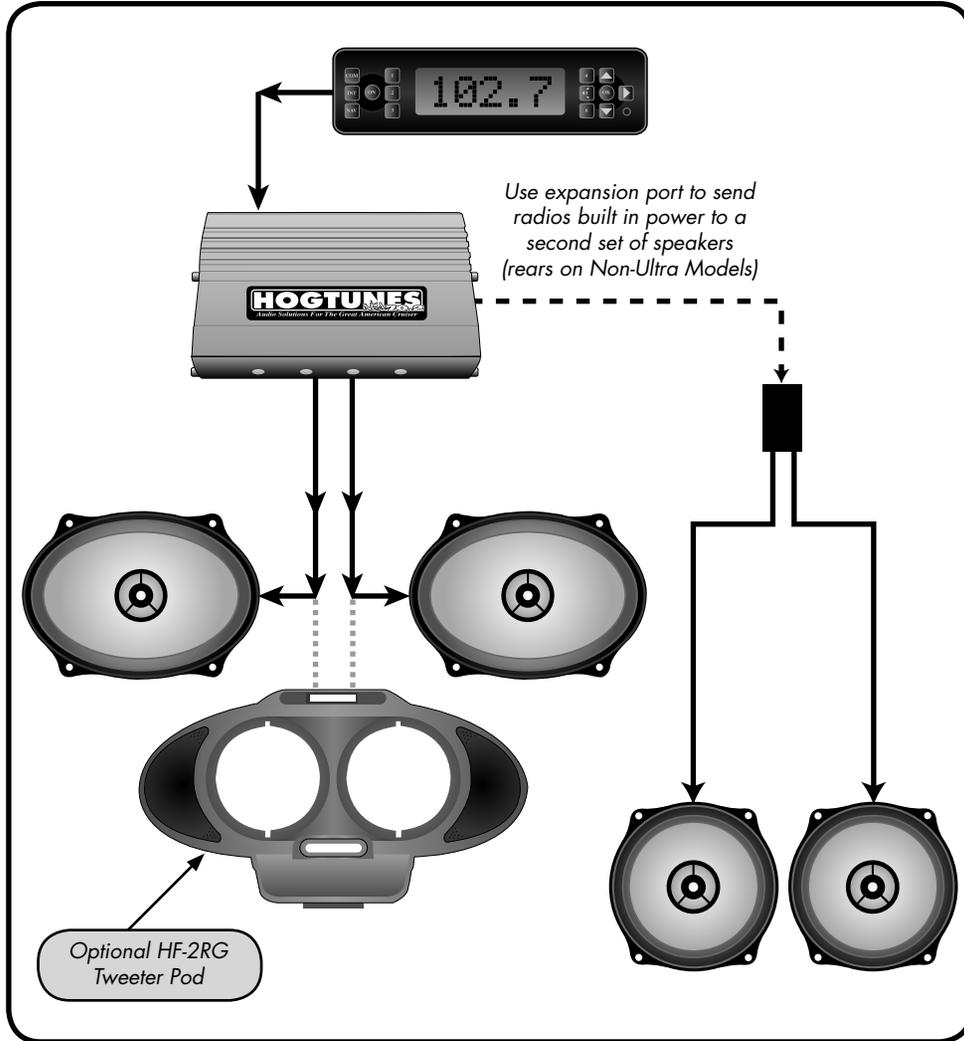
Step#7: Turn the bikes ignition to the "ACC" position, and turn the radio on at low volume making sure the system is working. Using supplied zip ties, "clean up" the wiring inside the fairing. You will see a large wire harness right under the back of the radio that sits just behind the "hooks" the outer fairing clips onto. You should zip tie any Hogtunes wire to this main harness so that no wires are in the way of these hooks. Otherwise the outer fairing will not go on. Following this important step will also help keep expletives to a minimum!

Step#8: Go to the inside cover of this manual and follow the steps to set up your system so it will sound as good on a bike at speed as it was designed to

SYSTEM UPGRADE #1

This system is an easy way to add rear speakers to your bike if you've added a King Tour-Pak®. Hogtunes rear speaker pods come with a wire harness set up for quick detach tour paks that will plug right into the expansion port on the amp.

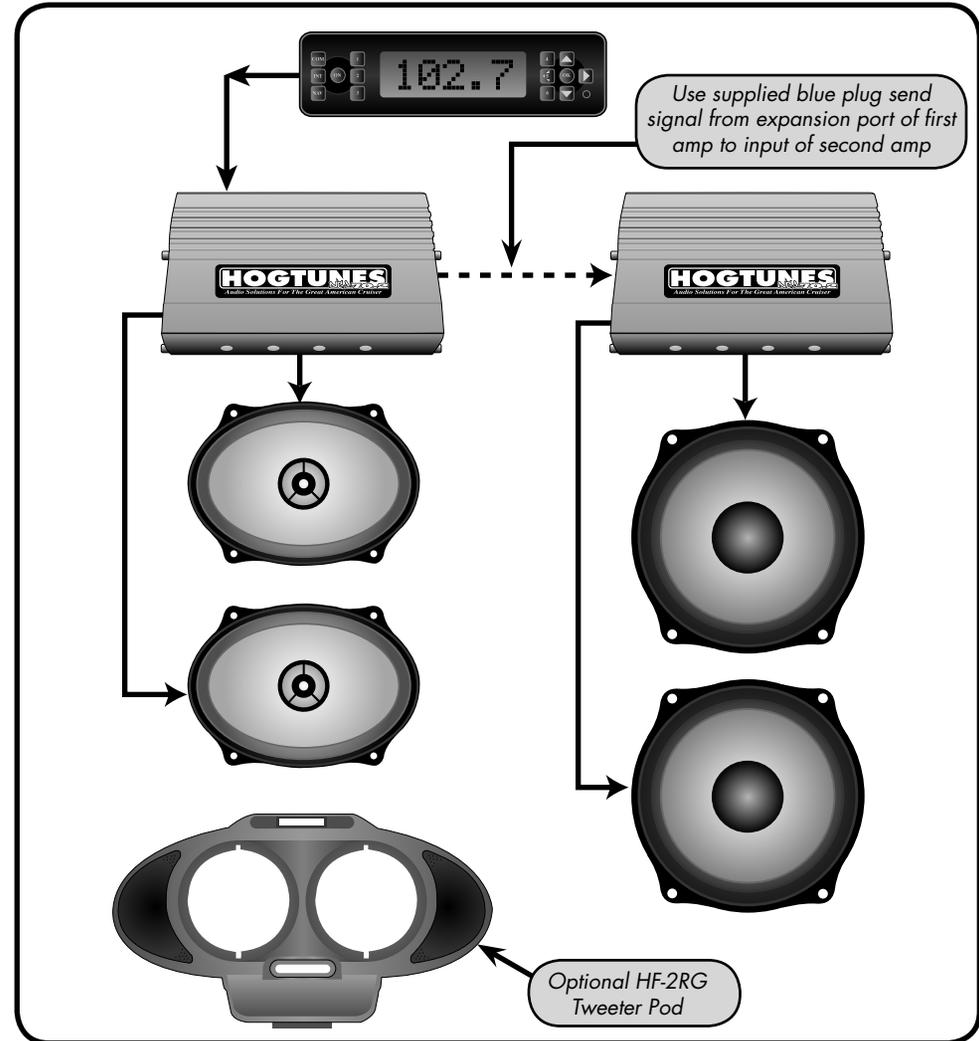
Important: Since the RADIO power will be used to power the rear speakers, you must use rear speakers specific to your year of bike!!



SYSTEM UPGRADE #2

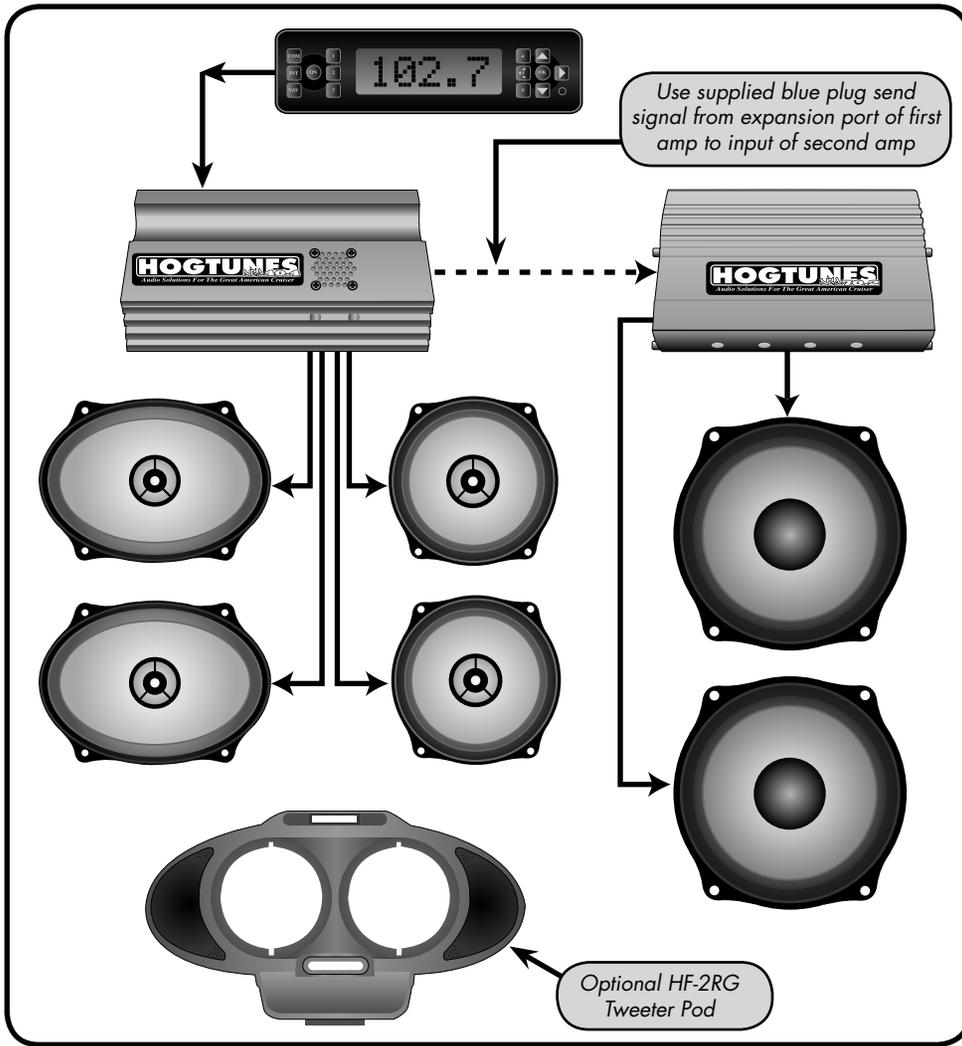
This system has the incredible power of 2 NCA 70.2 to your bike! The first amp will run the 5x7" fairing speakers, and HF2-RG Tweeter Pod (if present). The second amplifier is used to power a set of rear speakers, or speakers in your Ultra Classic style fairing lower glove boxes.

NOTE: If you have added Ultra Classic Style Vented (2005+) Fairing Lower to your bike, the simplest thing to do is purchase a Hogtunes FL7-Rev kit. This kit comes with a NCA 70.2 amp, and 7" woofers. For Road Glide models, the purchase of Hogtunes RG 40.4 adaptor kit is required!! The metal plate in that kit is used to bolt the second amplifier into your fairing



SYSTEM UPGRADE #3

This system uses a Hochtunes NCA-40.4 160 watt 4 channel amp and a NCA 70.2 for the ultimate in power! As shown below, the typical system would have 2 channels of the 40.4 power the 5x7's while the other 2 channels power the rear speakers. The bypass out of 40.4 is used to send music to the NCA 70.2 which powers the fairing lower speakers. The beauty of this system is that all plugs that go to the speakers are the same. If you decide you would like more amplifier power to your rear speakers, by simply moving a couple of plugs around, you can apply the higher power amp to which ever speakers you like to custom "tune" the system for your requirements.



WARRANTY INFORMATION

Hochtunes speakers are warranted for a period of 20 years to the original purchaser. Hochtunes Amplifiers are warranted for 1 year from original purchase date. Proof of purchase is required for all warranty claims. All Warranty claims must be made through the dealer this product was originally purchased from. Speakers found to be defective during the warranty period will be repaired or replaced (with a product deemed to be equivalent) at Hochtunes sole discretion. Amplifiers will be repaired.

What Is Not Covered:

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

TECHNICAL SPECIFICATIONS

Hochtunes NCA-70.2 Amplifier

Rated Power at 2 Ohms:	70 Watts/Channel (@1% THD)
<u>Actual</u> Power at 2 Ohms:	77 Watts/Channel (@1% THD)
<u>Actual</u> Power at 4 Ohms:	> 50 Watts/Channel (@1% THD)
Efficiency:	>66%
Fuse:	15 amp

Hochtunes #572.2-AA Speakers

Power Handling:	> 75 Watts RMS
Frequency Response:	55hz-25Khz
Sensitivity :	93 db 1watt/1 meter
Nominal Impedance:	2.0 Ohms

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Hogtunes 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.hogtunes.com