

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. Turn the ignition of the bike to the "on" position and play the stereo at low volume to verify the amplifier is working fine. Note: The amplifier takes about 2 seconds to turn on.

**IMPORTANT:** With all wires secured, turn the front wheel to each extreme side, making sure that any wires cannot bind or impede the steering of the motorcycle. Failure to do so can cause an accident resulting in serious injury or death!

On the clutch side of the amplifier is the amp level. If only 2 speakers are used, put the amp to the +3 position. If the expansion port has been used to power additional speakers, use the switch to set the "balance" between the amplified fairing speakers, and additional speaker powered by the radios built in power.

#### **Warranty Information:**

Hogtunes speakers are warranted for a period of 20 years. Hogtunes 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 Hogtunes sole discretion. Amplifiers will be repaired.

#### **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.

#### **Hogtunes USA 24.2 Amplifier**

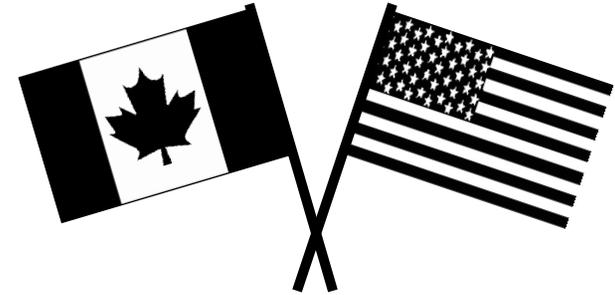
RMS Power at 2 Ohms:	>30 watts/Channel
Max Current Draw:	< 4.5 Amps
Freq. Response:	40hz-18khz
Efficiency:	>60%
Supplied Fuse:	7.5 amp
Amp (only) weight	450 grams (1lb.)

#### **Hogtunes 902.2-AA Speakers**

Power Handling:	50 RMS-100 Peak
Frequency Response:	55hz-23Khz
Sensitivity:	92 db 1watt/1meter
Nominal Impedance:	2.0 Ohms

# HOGTUNES

*Audio Solutions For The Great American Cruiser*



**Designed and Engineered in Canada**

## **902.2/Amp Installation Manual**

**Includes (1) Hogtunes USA 24.2 Amplifier  
And (1) Pair Hogtunes 902.2-AA Speakers**

***Fits 1998-Current Touring Models  
With Factory Radios\****

***\*Hogtunes "Road Glide Adaptor Kit"  
Required For Road Glide Models***

***www.hogtunes.com***

***Rev 1.0***

## Getting Started:

**Step #1:** Remove the seat, and both wires (+ and -) from the battery.

**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. Undo the screws that attach each speaker/grill assembly to the inner fairing and remove. Pull the stock speaker out of each grill assembly.

**Step #4:** “Clip” the Hochtunes 902.2-AA speaker into each grill assembly. Position your new speaker/grill assembly onto the inner fairing, and re-attach each one using the OE screws. A hand driven tool is suggested for this. ***IMPORTANT: All 1998-2003 and some 2004 Road Glides require shims (supplied in this kit) that must go between the front of the speaker and the factory grill. If installing into a 2004 model, please visit [www.hogtunes.com/tech.html](http://www.hogtunes.com/tech.html) and click “Road Glide Speaker Grill Fix” to see if you need these on your bike.***



**Diagram 1.1**

**Mounting the amplifier:**For Road Glide models, refer to your “RG Adaptor Kit” manual. For all other models:The amplifier gets mounted to the top of the factory radio using the supplied adhesive, and must sit so you can read the text on top of the amplifier as in diagram 1.1. The amplifier needs to mount as far back on the radio as possible so the fairing can go back on. The minimum distance from the back of the radio to the most forward edge of the amplifier is 5/8” (15mm). On pre-2006 model bikes, it is a tight fit--but will go. 2006+ radios have a “bump” on top of the radio that runs from front to back down the center of the radio. Cut the adhesive in half and apply each piece on either side of this bump. The amp will then mount flush. Most adhesives work best at room temperature or higher. Note:2006 and newer Ultras have the CB module on top of the radio. The amp will adhere on top of the CB module so it is “half on/half off this module. The supplied adhesive is plenty strong for this! The amp can adhere on top of CB and XM modules without issue.

## Wiring the Amplifier:

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



**Step #2:** Locate the yellow/black pair of wires with the male connectors. Unplug the factory speaker wires on the clutch side of the bike and plug the yellow/black wires in to those. They will only go in one way. Locate the brown/black pair of wires and plug them directly onto the clutch side speaker--again--they will only go on one way.

**Step #3:** Locate the green/black pair of wires with the male connectors. Unplug the factory speaker wires on the brake side of the bike and plug the green/black wires in to those. Locate the blue/black pair of wires and plug them directly onto the brake side speaker.

**Note:** The 4 pin plug with black wires near the amp “carries” the factory radio power and is a “expansion port” to add Hochtunes rear pods/speakers later on.

**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 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.

**Routing the main wire harness:** For 98-06 bikes, the balance of the main wire harness will pass under the inner fairing where the throttle and idle cables pass through on the brake side of the bike. 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, the balance of the main wire harness will pass under the inner fairing where the main wire harness passes through on the brake side of the bike. 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. When correctly installed, the power and ground wires are the right length to connect onto the battery.