G2 Ultra 6 Pack-XL

6 Speaker/Dual Amp Audio System for 2005-2013 Ultra Classic Models

Installation Manual

Rev 1.0

Thank you for choosing the Hogtunes G2 Ultra 6 Pack-XL system! 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. Email us at techsupport@hogtunes.com, or call us during regular business hours at 608-554-7631 (USA) or 705-719-6361 (Canada). If you still need help, please consider a professional installation by your local motorcycle dealer.

IMPORTANT: This manual is written assuming that the factory radio or aftermarket radio is powering front and rear speakers with its built in power 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: Placing 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. Gently pull the stock speaker out of each grill assembly. On the brake side (only) remove the silver horizontal fairing bracket.

Step #4: Locate the box marked 352-XLF. Although the 352-XLF speakers will work behind the factory grill cloth, the metal mesh grills in this box are designed to replace the front speaker grill cloth. The factory grill cloth is glued to a plastic mesh, and together, is two way taped to the main body of the grill assembly. You can usually peel away the mesh from the body of the grill by hand. With the factory grill cloth/mesh off, you should see the exposed two-way tape used to hold the factory mesh on the main grill body. Before applying the new mesh, have a look as you will see it only "lines up" one way.

Step #5: "Clip" the speakers into each grill assembly so the speaker terminals are adjacent to the thickest part of the speaker/grills assembly. On the CLUTCH SIDE, place your new speaker/grill assembly onto the inner fairing and re-attach using the 3 OE screws. On the brake side, install only using the top 2 screws.

Step #6: You will see vertical fairing "uprights" on either side of the radio which are a main structural supports inside the fairing. On the brake side, remove the screw at the very top of the upright (just above the volt meter), and the bolt about 6" down from that (beside the radio). Locate the box marked "2CHSP". The metal 2CHSP plate will attach to the inner fairing using the 2 bolts just removed from the brake side upright, and the "bottom" screw on the brake side speaker. You will see this plate only fits one way.

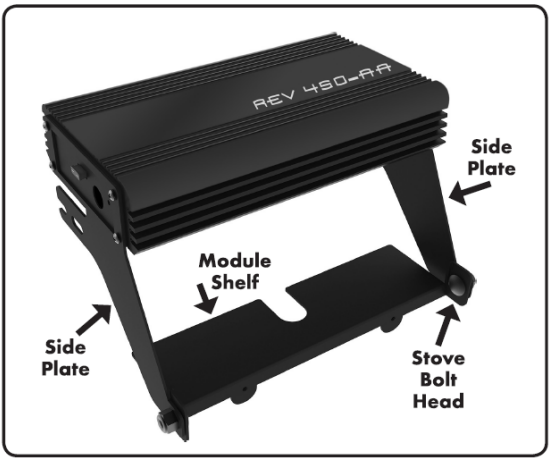
Step #7: **Remove each rear speaker grill by undoing the 4 screws on the front of the grills. Carefully lift up on each speaker and take the 2 wires off by pulling one at a time from the stock speaker. Put the grills, screws and speakers aside.**

REV 450-AA Amp:

Step #1: **Open the REV 450-AA amp and set the "Fader/No Fader" switch on the side of the amp to the "Fader" position. Set the "Rear Speaker Selector" switch also on the side of the amp to the "A" Position. This is the best performing amplifier setting for the rear speakers on Ultra Classic models.**

Step #2: **Mounting the REV 450-AA amp.**

- **For 06-13 bikes, the amplifier mounts inside the fairing "over" the radio using the side plates as shown. 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 and re-installing the screws into the amp. Factory CB, XM, and other similar modules 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. Do not install the module shelf 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 (closest to the inner fairing) and 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. 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.**



- **For 2005 bikes, the supplied hook/loop is used to secure the amp to the top of the radio. Position the amplifier so the power harness coming out of the amp is on the brake side and sits as far back as it will go so the outer fairing can go back on.**

Step #3 : Wiring the REV 450-AA amp.

With the amp mounted, locate the "splitter" power harness that came in the kit which has "ring terminals" on one end, and 2 black power plugs on the other. Plug one of the black plugs into the matching black "pigtail" on the REV 450-AA amplifier. Locate the input harness which has a smaller black 8 pin plug with smaller gauge wire and plug this into the socket on the amp marked "Front Input Rear Input". Locate the 4 pin black plug with black/brown and black/blue wires and plug into the "front out" on the amp. Locate the long "rear" harness. One end has 2 x 4 pin white plugs, and the other has an 8 pin plug. One of the white 4 pin connectors will plug into "rear out" on the amp, the other 4 pin plug will go to the empty 4 pin plug on the amps input harness. These will only go together one way.

Step #4: 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. Take the brown/black wires on the "front out" connector and plug them into the clutch side 352-XLF speaker. 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 352-XLF speaker.

Step #5: Routing the power and rear harness

- **For 2007-2013 bikes, the balance of the power and rear harnesses 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. When correctly installed, the power and ground wires are the right length to connect onto the battery and the rear harness is long enough to get to the brake side rear fender strut. If going over the tank, we suggest running the power harness on the brake side of the gas cap and the rear harness on the clutch side. The rear harness will cross over to the brake side once near the battery. NOTE: although not necessary, the power harness can run along the back bone of the frame if you choose to remove and re-install the bikes fuel tank.**
- **For 05-06 bikes, the balance of the power and rear harnesses will pass under the inner fairing where the throttle and idle cables pass through on the brake side of the bike. The harnesses are 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. Leave the ring terminals of the power harness near the battery, and have the rear harness end near the brake side rear fender strut.**

Step #6: Wiring the 352-XLR rear speakers.

Locate a harness in the REV 450-AA box that has an 8 pin plug on one end, and 8 wires coming out with "speaker style" connectors on the other end. Plug the 8 pin plug on this harness into the mating 8 pin plug on the rear harness at the brake side rear fender strut. You will see 2 pairs of black shorter wires in a sheath and 2 pairs of black longer wires in a second sheath. Put the ends of the shorter wires into the brake side rear speaker box. These wires will enter where the factory wires enter the rear speaker box. Plug the factory rear speaker wires into the male wires of the amp harness.

Note: The factory female rear speaker connectors are non-insulated. Once the factory female rear speaker connectors are plugged into the Hogtunes male connectors, wrap each connection with electrical tape to prevent the positive and negatives from touching each other.

Take a 352-XLR rear speaker and plug the female connectors of the amp harness into the speaker. Repeat this step using the longer wires on the clutch side of the bike. Once you are confident the wires are correctly attached to the rear speakers, sit them in place, put the grills back on and secure the speakers by reinstalling the 4 screws on each grill.

702-XL Lower Speaker Kit/Rev 225-AA

Step #1: Open the REV 225-AA amp. Locate the supplied Velcro and separate the 2 halves. Apply one of the halves to the bottom of the amplifier. The other half of the Velcro will be applied to the 2CHSP plate. The REV 225-AA will get "stuck" to the 2CHSP plate oriented so the power harness is at the bottom. There is an obvious mounting plane the amp will stick to. The REV 225- AA must sit down approximately 1/2" from the top of this plane so the fairing can go back on. You may need to make adjustments when its time to re-install the outer fairing.

Step #2: In the REV 225-AA box, locate the "bypass harness" which has red/black and white/black wires that end in a blue 4 pin plug. Also locate the input harness which has an 8 pin plug on one end, and wires with green and yellow heatshrink at the other end. You will see "spade connectors" on the ends of each of these harnesses. Take the red/black from the bypass harness and join them to the wires on the input harness with the green heatshrink at the end. Take the white/black from the bypass harness and join them to the wires on the input harness with the yellow heatshrink at the end. With the 2 harnesses joined, take the blue 4 pin plug on the bypass harness, and plug it into the "bypass out" on the side of the REV 450-AA 4 channel amp already in the bike. The other end of these joined harnesses is an 8 pin plug which will plug into the "audio input" on the REV 225-AA amp.

Step #3: Remove the access covers from the glove boxes. Using a cutting tool such as side cutters, the 4 male parts each access panel snaps into will be cut and removed. Cutting them from inside the glove box will eliminate marks on the front of the glove box. When cut, parts may "fly" so please be careful and wear eye protection!

Step #4: Looking inside the glove box, locate the 2 nuts at the back of the glove boxes, and remove. This will release the painted lower fairing "cap" so be careful it doesn't fall and get scratched! Remove and put aside.

Step #5: Looking from the front side of lower, locate the flat plane approx. 1" towards the motor, directly across from the lower bolt hole for the fairing cap just removed. Drill a 1/8"(3mm) pilot hole in the center of this plane, then a final 5/16"(8mm) hole-you will go through 2 layers. Locate the wire harness in the FL-7W woofer kit box. If working on Clutch Side, pass the speaker wire marked "Clutch side" into glove box, large connector first. The sticker can be removed to fit through the hole if needed. Pull up any slack into the glove box so that wire will go along crash bar, making sure to keep quick release plugs in the center. Using the supplied black "gummy" material, seal the hole around the wire inside the glove box.

Step #6: Separate the grills, speakers and adaptors from how they come in the package. The angled speaker adaptors are marked "clutch side" and "brake side". Place the correct adaptor on each lower so the studs go through the holes from where the male plugs were cut. Secure each one to the bike using the supplied washers and nuts. Once secured, reinstall the painted lower fairing cap. Take a speaker, attach the speaker wires and sit the speaker onto the adaptor. IMPORTANT: The speakers will only fit in the adaptors/lowers one way. The connections will be on the upper half of each adaptor and sit closest to the motor. Locate 4 of the supplied black 3/4" (19mm) torx head screws. Place a grill over the speaker. You will see that the screws will go through the grill, through the speaker frame, and into the threaded brass inserts on the speaker mounting adaptor. Start the 4 torx head screws BY HAND and then tighten (snug) the screws to secure the grills in place.

Step#7: Once everything is complete in both lowers, use the supplied wire ties to secure the exposed speaker wires to the crash bar. Moving back into the fairing, plug the 4 pin black plug of the lower harness into the "amplified output" on the REV 225-AA amp. This is a BLACK PLUG on the amp. Note: You will have a blue 4 pin plug on the REV 225-AA that is empty. It is there for possible future expansion and is not used in this installation.

Step #8: Take the 2 pin black power plug from the "splitter harness" and plug it into the mating power plug on the REV 225-AA.

Final Steps

Step #1: Attach the splitter harness red wire to the positive (+) battery terminal and the amps 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 positive first.

Step #2: Turn the stereo on, and at low volume, test to make sure all 6 speakers are working and that the radios fader adjusts front to rear volume. 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.

Step #3: There is a 3 position switch on the side of the REV 225-AA which is there to adjust that amps volume to the 7" lower speakers versus the other speakers on the bike. In most cases, the "+3" position is preferred but can be adjusted down if the speakers in the lowers seem too loud for you.

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!

Step #4: Once you are confident that no wires can impede the steering of your bike, you can install the outer fairing noting you may have to adjust the amp on the side plate to allow the fairing to go back on.

Your new system is ready to enjoy!

Warranty Information:

Hogtunes "XL" speakers are warranted for a period of 5 years. The REV 225-AA and REV 450-AA Amplifier is 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.

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.
8) Damage from incorrect installation, improper use, abuse or modifications.
9) Damage to inbound product due to improper packing.

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NEXT LEVEL SPEAKERS HOGTUNES XL EST 2004 FOR 1998-2013 BIKES

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