



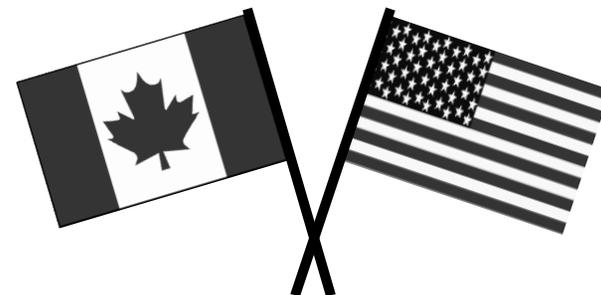
Any audio system can be a distraction to the rider and/or passenger. Please use caution when playing your stereo, especially in traffic.

www.hogtunes.com

Limited-RM Manual Rev 1.0

HOGTUNES

Audio Solutions For The Great American Cruiser



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

Installation Manual 692Lid-RM Kit

**For 2014+ “Rushmore” Touring Bikes
With Factory Saddlebags**



**Do Not Use “Thread Lock” or “Screw Glue”
of Any Kind As It Eats Plastic And Will Cause
Part Failure NOT Covered By Warranty!**

Thank-you for choosing the Hogtunes 692LID-RM kit! 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 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: The speakers in this kit are 2 ohms (2Ω) and require an amplifier capable of reliably playing this load! We strive to make the parts perfect, but things can happen. Please inspect the parts carefully BEFORE paint!

DO NOT PAINT THE TWEETER ASSEMBLY HOUSING!
The tweeter is permanently attached to the tweeter assembly to make sure nothing such as paint obstructs the BUILT IN DRAINAGE. In the event of warranty, Hogtunes replaces the tweeter assembly as one piece, and therefore assumes zero responsibility for paint!

This manual assumes you have already removed the woofer, tweeter and grill, had the lids painted and you are now installing new lids on your bike. Remove the saddlebag from the bike, and put on a stable working surface. For obvious reasons, blankets etc. on your work surface will help protect the paint.



Fig 1.1



Fig 1.2

The white circle in Fig 1.1 above is where a 3/4" (19mm) hole will be drilled. This hole is where the supplied Hogtunes rubber grommet will go, and allow the lids speaker wire to pass from the saddlebag. We strongly suggest putting masking tape over the painted area to be drilled. We also suggest starting with a small bit, and gradually working your way up to the 3/4" (19mm) hole. Drilling the hole with the lid still on is a good idea!!

The supplied grommet in Fig 1.2 is "split" to make the install much easier once the wire is in the bag. The white circle in the picture shows a "plug" that can easily be removed. If the only wire you have going into your saddlebag is the speaker wire, leave the plug in place. If you have a second wire for such things as lighting etc., removing the plug from the grommet will allow the second wire to also pass without having to drill additional holes in your saddlebag.

Final Notes (Please Read):

The speakers magnet is large, and powerful. Credit cards and electronics can be sensitive to magnets, so please exercise caution in how you pack your saddlebags. Metal objects packed into your bags may end up stuck to the magnet, so please use caution when opening the lids.

The magnet can get hot. Please consider this when packing your saddlebags.

The speakers magnet is covered by a rubber boot. This makes it look cool, but is really there to help protect things inside the saddlebag that may bounce into the magnet.

The woofer portion of the 6x9 was designed to work best with saddlebags empty, or near empty.

Warranty Information:

Hogtunes speakers are warranted for a period of 20 years. 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) Paint applied to any part, for any reason.
- 7) Speaker frames (baskets) that are bent.
- 8) Speaker cones that are pierced or cut.
- 9) Damage caused by over tightening, or not using supplied fasteners.
- 10) Damage from use of Thread lock/Screw Glue materials of any kind.

Technical Specifications:

Hogtunes #692 Speakers

Power Handling:	200 Watts
Frequency Response:	30hz-25Khz
Sensitivity :	96 db 1watt/1meter
Nominal Impedance:	2.0 Ohms

It's time to route the wires in the saddlebag. Please do a "ghost run" of placing the wires before applying any adhesives. This will help-trust us! Assuming the wire is zip tied to the speaker frame as shown on page 5, with lid all the way open, the wire will have a natural entry point into the saddlebag. Have the wire go straight down to the bottom of the bag and "fold" it so the wire wants to point to the outside back of the saddlebag. Once there, do another fold to point the wire to the inside back of the saddlebag. Another fold to point the wire forward along the bottom of the bag, and directly below the point where you drilled the hole for the grommet. Do another fold so the wire goes straight up to the hole. When done correctly, the black 2 pin plug can go through the grommet hole, and hang out of the saddlebag approximately 4" (10cm).

Once your satisfied the wires are ghost run as instructed, you will want to plan where the adhesive pads will go, so zip ties will secure the wires inside the bag. Note: Before applying the pads, you need to clean the plastic well using isopropyl alcohol, or similar cleaner. DO NOT use Acetone (It will eat plastic). Do not apply pads until cleaner is completely evaporated. With the pads in place, secure the wires in place using supplied zip ties.

Routing the speaker wire harness:

The long supplied harness with 4 wires has 2-2 pin plugs on one end, and a single 4 pin plug on the other. In all cases, the end with the 4 pin plug will go nearest the amp your using which typically will be your fairing.

For FLH (Batwing) Models. The harness will pass under the inner fairing where the main wire harness passes through on the brake side of the bike. For FLTR (Road Glide) Models, the harness will pass through the inner fairing where the factory wires pass. 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. Note: You "can" lift the tank if you want but it is not required. Once past the battery, the harness will continue towards the back of the bike along the frame, and when correctly installed, the 2-2pin plugs will be beside the back seat on the brake side of the bike. Secure the harness to the bikes factory harness' using zip ties. Plug the brake side lid in. Run the clutch side under the seat and plug it in.

Wiring the lids to your amp:

The 4 pin connector will plug into Hogtunes REV 200-RM 2 channel amp, or Hogtunes NCA 450-RM 4 Channel amp. If your using another brand of amp, you will see that the wires near the 4 plug are labeled. Simply cut the plug off and wire the lids to your amp using the labels to identify each wire.

Disassembling Factory Lid: As you disassemble your factory lid, please make note of what screws came from where as they will be re-used. Open the factory lid and you will see 2 "T15" torx screws on the "bag side" of the cloth tether that holds the lid to the bag. Remove these 2 screws, move the cloth tether out of the way, and you will see 2 more of the same screws which also need to be removed. The lid is now free from the bag. Remove the 2 screws that hold the "key lock" to the factory lid. The chrome panel with the reflector built in comes off the factory lid by removing the 3 screws right next to the key lock. At its seam, the factory foam gasket needs to be peeled up enough to allow the rest of the hinge mechanism to be removed from the factory lid. There are 2x "T20" torx screws that hold the balance of the hinge mechanism to the plastic of the lid. Remove these screws and put hinge mechanism aside.

Remove the T15 screw that holds the opening handle in place and pull the handle away from the factory lid. Remove the last 4x T15 screws securing the large latching mechanism to the underside of the factory lid. This entire mechanism is now removed. Put your factory lid aside.

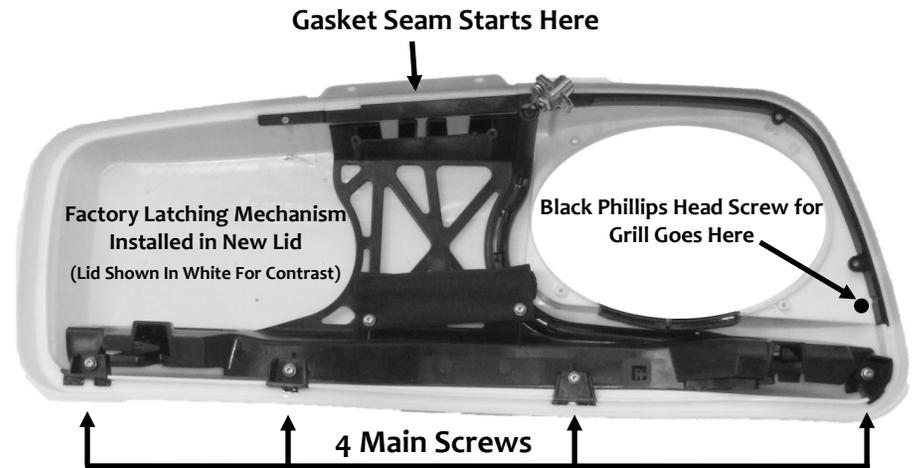


Fig 1.3

The large latching mechanism just removed will now be installed into the Hogtunes lid using the factory screws just removed. You will need to jostle the mechanism gently to get it in place. As shown above (Fig 1.3), the 4 main screws on the mechanism are the ones to do first. Install the factory handle to the new lid using the factory screw. Next, the 2 screws will go back in on the hinge side followed by 3 screws that secure the chrome cover with reflector. Do not put in the 2 screws that hold the lock in place just yet.

Before applying the supplied rubber gasket you will need to clean the area the gasket will stick to. Use a mild cleaner like Isopropyl alcohol-but not something aggressive like Acetone as acetone will destroy the lid. Once the cleaner is completely dry, start applying the gasket so the seam will be at the same point the factory gasket had as shown in Fig 1.3 on previous page. Don't stretch the gasket as you're applying it. When you have the gasket all the way around, you can expect to have a couple of inches left over that can be carefully cut off using a sharp knife or scissors. Once the gasket is applied and cut to size, re install the 2 factory screws that hold the key lock in place

With the lid painted side up, sit the metal mesh grill into place using the tongue on the grill and the groove on the lid. Install black Phillips screw as shown in Fig 1.3 on previous page.

With the grill in place, flip the lid back over and locate one of the tweeter assemblies. You will see a groove on the tweeter assembly that mates to the lid. Locate the black gummy material that came in the kit and take one strip, roll it in your fingers so its close to uniform thickness and apply across entire groove. The groove is highlighted by arrows in Fig 1.4 below.



Fig 1.4

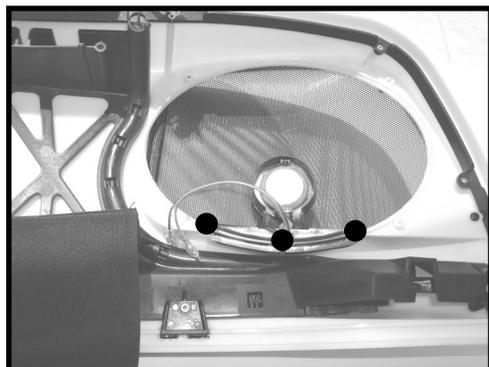


Fig 1.5

Press the tweeter assembly into the lid as shown above in Fig 1.5. Take another black gummy strip and tear it into approximately 3 equal strips and roll each piece so you have 3 "balls". Squish each ball into the locations shown by the 3 black "dots" shown in Fig 1.5. The outside ones are to help seal between the tweeter assembly and the lid itself. The middle one helps make sure no water passes around the tweeter wires. Adding the gummy material is an added failsafe to keep water out and will be hidden once the woofer is installed.

Each woofer has a label on the wire harness to designate clutch or brake side. Locate the correct woofer for the side of the bike you are working on. Set the woofer in place with the wire connectors oriented so they are closest to the tweeter wires, and using the supplied silver torx screws, attach the woofer to the lid. Please note that the 2 woofer screws opposite to where the tweeter sits also secure the grill to the lid. With the woofer secured, attach the tweeters wires to the matching connectors on the woofer.

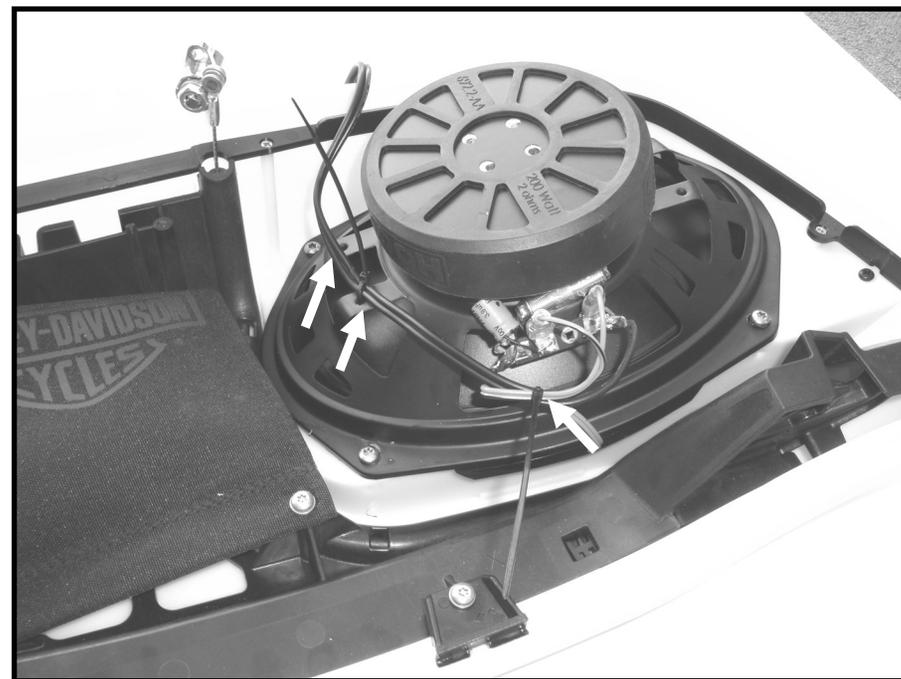


Fig 1.6

The woofer's wire needs to go around to the other side of the lid close to the key lock. The white arrows in Fig 1.6 show where to affix the wires in place using zip ties. The white arrow closest to the speaker connections show that the slack in the tweeter wire can be taken up by affixing it to the woofer wire with a single zip tie. Once the wires are secured, it's a very good idea to trim the zip tie excess "flush" so there are no sharp edges.

Take the lid to the saddle bag, and using the factory screws, secure the hinge on your lid to the bag. When done, the other half of the cloth tether will attach to the saddlebag using the factory screws.

Included in the kit is adhesive "pads" that when attached, have a provision to secure the wires in place using the supplied zip-ties. Split the adhesive pads into 2 equal groups—one group per bag.