



*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](http://www.hogtunes.com)**

# **HOGTUNES**

*Audio Solutions For The Great American Cruiser*



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

## **LC LOWER-RM**

### **Installation Manual**

**For Use On 2014+ (Non-CVO)  
Liquid Cooled Touring Bikes**

Version 1.0

Thank-you for choosing the Hogtunes LC LOWER-RM. 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 [info@hogtunes.com](mailto:info@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 dealer.

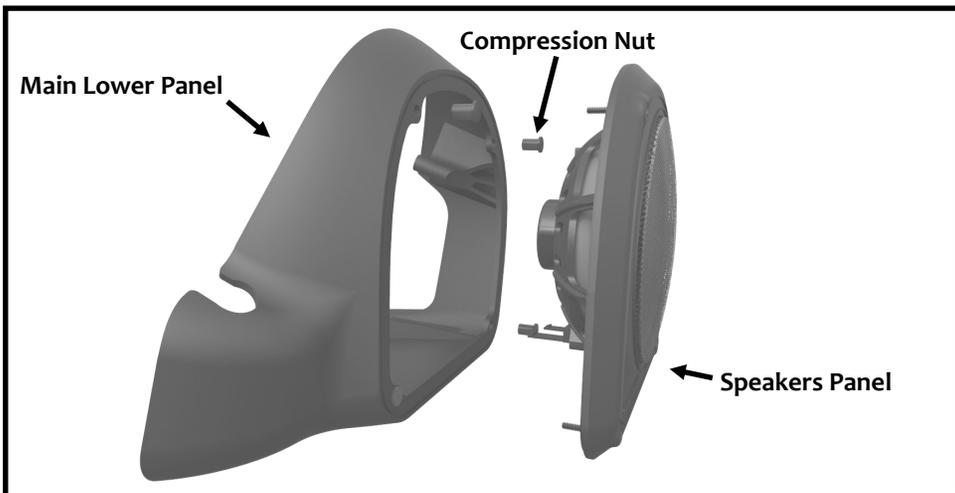
**The LC LOWER-RM KIT puts speakers in fairing lowers on 2014+ touring bikes with liquid cooled engines only .  
The supplied speakers are 2  $\Omega$  (Ohms).**

#### 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:** See part descriptions in the image below. On the speaker panel , you will see 4 black screws that need to be removed. These screws go into rubber compression nuts that hold the speakers panel to the main lower panel. These compression nuts will also come off and be put aside with the screws.



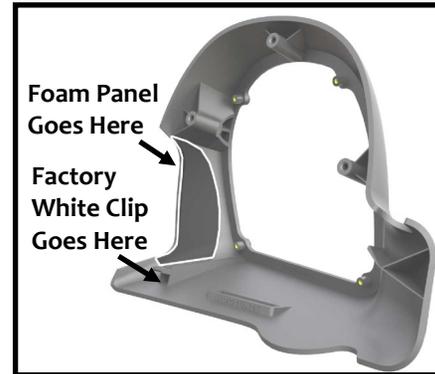
**Step #4:** Starting on the brake side lower fairing, use a coin or something similar to carefully pry off the front access cover. Look inside the lower opening and at the very back, you will see a 7/16” nut that is to be removed. This nut allows the painted fairing lower “cap” on the front to come off. With the painted cap off, you will see a “bar” that secures the top half of the lower to the crash bar. Remove the 2 nuts and the bar and put aside for now. At the bottom of the lower is a clamp that holds the bottom half of the lower to the crash bar. Remove the bolt that secures the clamp.

## 362R-RM Speaker Specifications:

Power Handling:	125 RMS-200 Peak
Frequency Response:	55hz-25Khz
Sensitivity:	92 db 1watt/1meter
Nom. Impedance :	2 Ohms
Cool Factor:	EXTREME

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**Step #5:** Gently push the top of the lower towards the back of the bike just enough so you can remove the 3 torx screws (normally hidden by the painted cap) that hold the lowers front panel in place. Gently pull on the front panel to release 2 clips which will allow the front panel to come away, but not completely free from the bike yet. There is a small arm for the vent mechanism still attached that is removed by squeezing the top of the pivot pin and lifting up on the arm. You can now bring the factory lower front panel to a work bench and remove the torx screw that holds the vent adjuster and arm to the factory panel. Using the same screw, install the vent adjuster and arm into the Hogtunes main lower panel.



**Step #6:** The kit comes with die cut foam panels. Find the one for the side of the bike you are working on and apply as shown noting you should clean the area with isopropyl alcohol first. On your factory front panel, you will see 2 white clips. One of these clips will come off and be installed onto the Hogtunes main panel.

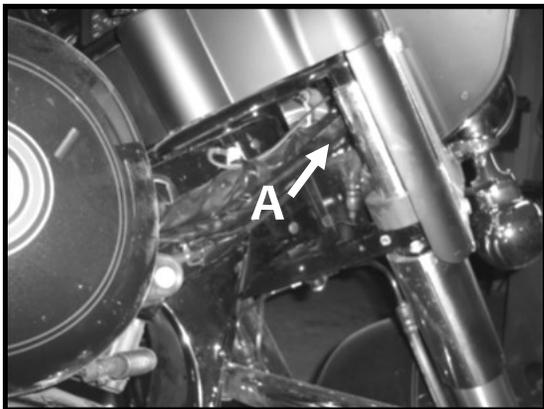
**Step #7:** Moving to the front side of the lower, in the area normally hidden by the painted cap, you will see a hole where the bolt passes through that secures the painted cap. Just above that hole and approximately 2” back from the bolt hole, you will need to drill a 3/8” hole for the wires to pass. When this install is finished, the painted cap will hide the wire nicely. It’s a good idea to start with a pilot hole and then drill the final size. Use caution to make sure your drill bit does not pierce the coolant tank on the brake side!

**Step #8:** Locate the supplied wire harness. On the harness you will see a main 4 wire harness with blue/black, and brown/black wires covered in a black sheath. You will also see two 2 wire harnesses (wires are all black) that each need to be unplugged from the main harness. See below for wiring options.

1) If you are using a Hogtunes NCA 450-RM to power the lowers, the 4 pin male plug on the main harness and plug it into the rear out on the side of the amp. Since the front speakers and the lower speakers will work together off the amp, make sure the switch on the side of the amp goes to the no fader position.

2) If you are using a Hogtunes REV 200-RM to power the lowers, the lowers harness will plug into the “Amplified Output” pigtail on the side of the amp.

3) If you are using another brand of amplifier, you can cut the 4 pin plug off and wire your amp into our harness. The blue/black pair is brake side and the black wire is the positive (+). The brown/black pair is the clutch side and the black wire is positive (+).



**Step #9:** The balance of the main wire harness will pass through on the brake side of the fairing where the main factory wires pass as shown by “A” in the image. Have the opposite end of the main harness go so it ends up on top of the crash bar as close to the center as you can.

Locate the 2 wire harness marked “brake side” and plug it into the main harness connector noting it will only go in one way. The other side of the same harness will go into the lower. Pass the larger connector first. You can also tear off the sticker if that makes it easier. Once the wires are in the lower, take up the slack along the crash bar keeping the main harness as close to the center of the crash bar as possible.

**Step #10:** The kit comes with strips of black gummy material. Take one of the strips and use it to seal the hole around the wire on the outside of the lower.

**Step #11:** Take the Hogtunes front panel and while holding it close the lower, snap the arm for the vent back into place on the pivot pin. You can now press the front panel onto the lower noting the one clip will snap in and hold the panel in place. Re install the 3 factory torx head screws (by hand just until they are snug) to secure the panel to the lower. The “bar” and 2 nuts removed earlier that secure the top of the lower to the crash bar will now be reinstalled. The bolt removed earlier that secures the lower to the bottom of the crash bar is also re installed.

**Step #12:** Using some of the supplied zip ties , secure the speaker wire to the crash bar keeping the main harness as close to the center of the crash bar as you can. It’s a good idea to trim the excess of the zip ties as close to flush as possible so there are no sharp edges. When done, install and secure the painted fairing lower cap with the 7/16” nut removed earlier.

**Step #13:** Take the Hogtunes speaker panel and plug the speaker wires into the speaker noting they will only go on one way, and that barbs built into the speaker will lock the connectors in place. The rubber compression nuts are now placed into the openings on the main panel and using the screws removed earlier, the speaker panel is attached to the main panel.

**Step #14:** Repeat the steps to install the lower adaptor for the other side of the bike and when complete, turn the radio on to make sure all speakers are working.

**Step #15:** Reinstall the wires at the battery and the bikes seat.

**Step #16:** Now is the best time to use zip ties to properly secure and “clean up” any wiring. Its always a good idea to remove excess from the zip ties but cutting them as close to flush as possible so there are no sharp edges!

***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 #17:** With everything working, all wires secured, and no wires impeding the steering of the motorcycle, go ahead and reinstall the outer fairing and your new system is ready to enjoy!

**Adjusting the Bass and Treble:** The way the system sounds sitting still or at a stop light will be **RADICALLY** different from how it sounds “at speed”. Use the radios controls to adjust the sound, but **please do so carefully** when riding.

## **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 at [www.hogtunes.com](http://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 or broken.
- 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 or Screw Glue” materials of any kind.