

# CICADA

AUDIO



**24HDRING10**

**24HDRINGT**

**24HDPORT3**

INSTALLATION GUIDE

# SADDLEBAG DISASSEMBLY



## Remove Saddlebags from H-D® Motorcycle

- Remove (2) bag bolts located on the upper left and right side of each bag. These typically can be removed by hand.
- Place saddlebags on soft surface to avoid damage.
- Remove the factory rubber grommets from each saddlebag (these will not be reused).
- New grommets will be used later from included hardware in the 14HDRING10 kit.

## Remove Lid and Hinge from Saddlebag

- Step 1: Remove (2) x T15 screws that hold strap to lid. Take care not to damage lid.
- Step 2: Remove (2) x T15 screws for fabric retention strap to lower bag.
- Step 3: Remove the (2) x T15 screws that secure the hinge to the lower bag. This will separate the bag from the hinge and lid.
- You will now have three separate parts: bag, lid and retention strap.

# BRACE HOLE TEMPLATE



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- Locate supplied left & right-side specific bag brace templates.
- Insert (4) stand-off locators into hinge screw holes to align jig.
- Drill (2) outer mounting points thru saddlebag with 11/64" (4 mm) drill bit, as shown in Figure 1 below.

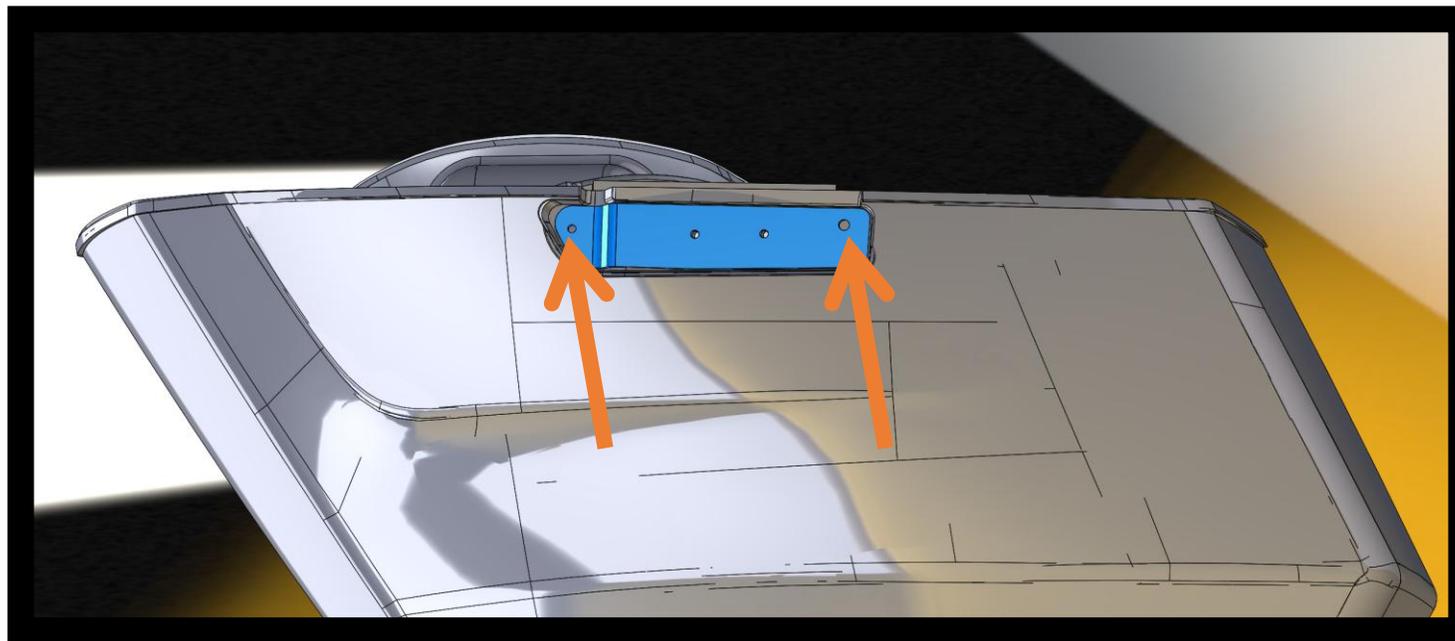


Figure 1

# 24HDRING10T – TEMPLATE APPLICATION



- Using masking tape, cover the inside (wheel facing) surface of each saddlebag to protect finish. **[FIG 2]**
- *24HDRING10T Template is REUSEABLE, don't cut thru it.*
- Mount the template onto the exterior outside of the saddlebag.
  - Use the (2) saddlebag mounting holes to properly align and affix template. **[FIG 2]**
  - Using (3) coarse thread drywall screws , securely attach the template to saddlebag. **[FIG 3]**
- Using a permanent marker, outline the port and woofer details. **[FIG 4]**
- Using a 13/64" (5 mm) drill bit, drill out the 5 ea. port/harness mounting holes & center hole. **[FIG 5]**
- Using a 15/64" (6 mm) drill bit, carefully drill out the 10 ea. mounting ring holes. **[FIG 6]**



Figure 2



Figure 3



Figure 4



Figure 5



Figure 6

# 24HDRING10 & 24HDPORT3 CUT OUTS



## Step 1: Remove 24HDRING10T Template from Saddlebag

## Step 2: Make the Cut for the 24HDRING10

- Drill at the end of each slot marked area to insert saw with the appropriate size drill bit.
- Using a plastic cutting blade with a jig saw or air saw, cut along the marked line for the speaker mounting ring. **NOTE:** If using a jig saw you will need to insert a leveling block into the shock indent to keep the jig saw level. This will prevent unnecessary vibration and maintain an accurate cut.
- Cut slightly on the inside of the marked line leaving some material to sand the opening smooth.

# 24HDRING10 & 24HDPORT3 CUT OUTS



## Step 3: Make the Cut for the 24HDPORT3

- Use a 3 5/8" hole saw and the center guide hole, previously drilled for the port.
- Use a 2 5/8" hole saw and the center guide hole, previously drilled for the harness.

## OR

- Drill at the end of each slot marked areas to insert saw.
- Using a plastic cutting blade with a jig saw or air saw cut along the marked port hole line.
- Cut slightly on the inside of the marked line leaving some material to sand the opening smooth.

# SADDLEBAG DAMPING INSTALLATION



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- Using a damp cloth, wipe out the interior of saddlebags. Remove all plastic cutting debris. Dry thoroughly.
- Identify the Left and Right side damping sheets and correct location per labelling on packets. Remove the paper backing and apply to interior walls of bag, as shown in Figure 7 below.

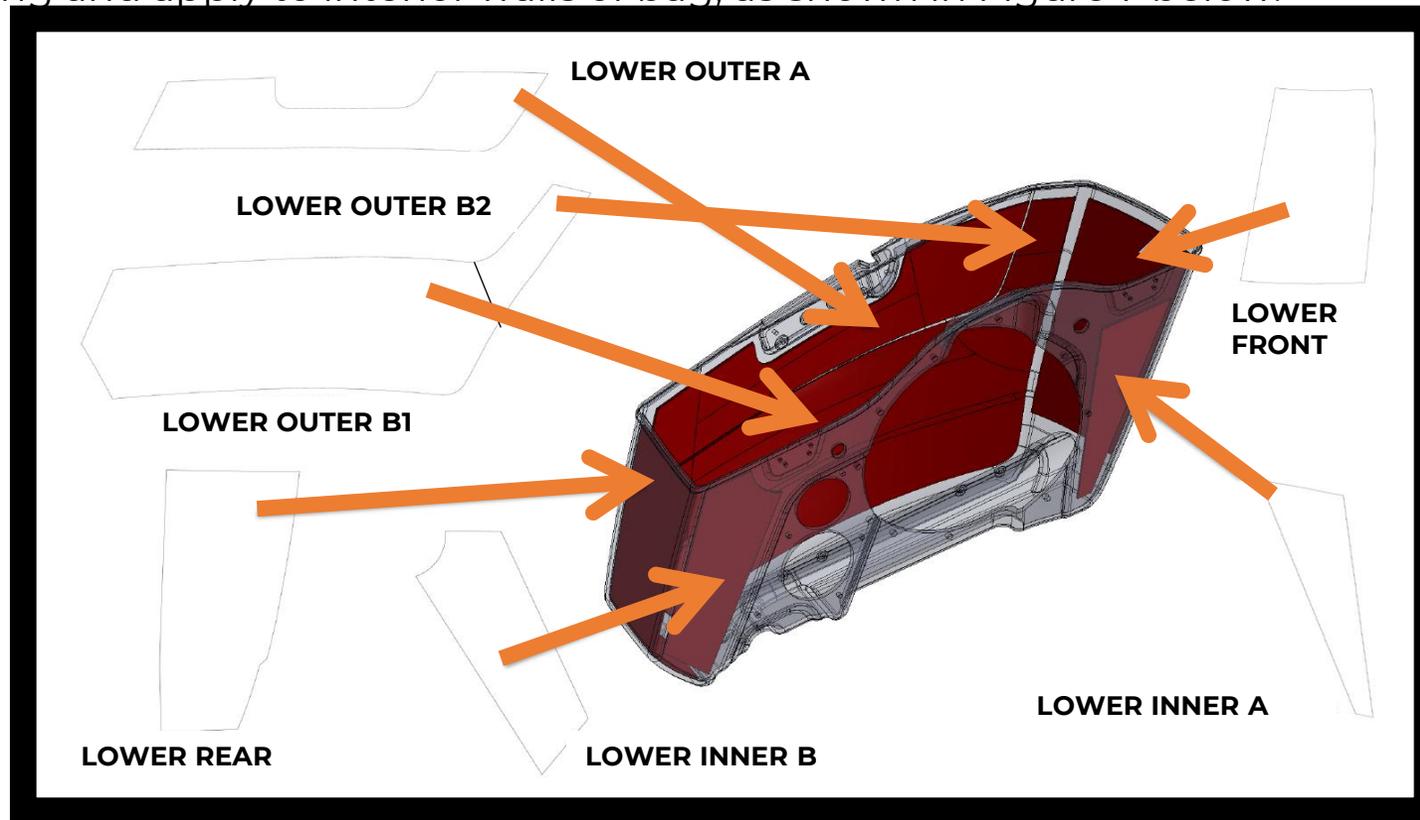


Figure 7

# 24HDRING10 INSTALLATION



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- **Step 1:** Be sure the cutout is free of any defects or burrs.
- **Step 2:** Ensure the silicone gasket is properly seated in the recess of the mounting ring. (See Figure 8) Insert into saddlebag.
- **Step 3:** Using (10) M6 x 25 mm T30 button head flange screws, insert screws through saddlebag and into the RING10. DO NOT completely tighten at this time. Once all screws are all inserted, using an alternating pattern, tighten screws while paying attention to the fitment of mounting ring on saddlebag surface.

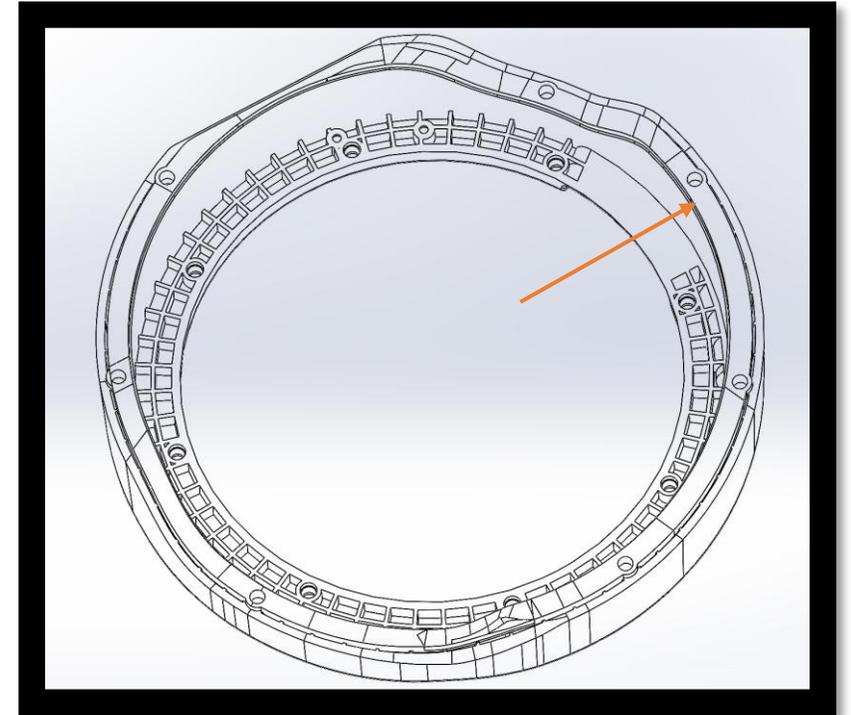


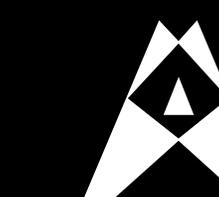
Figure 8 – 24HDRING10 Silicone Gasket

# 24HDPORT3 INSTALLATION



- **Step 1:** Be sure cut out is free of any defects or burrs.
- **Step 2:** Ensuring the EVA gasket is properly seated against the plastic flange first, insert the mounting flange into the saddlebag.
- **Step 3:** Install the metal mounting ring on the interior of the bag using (5) of the M5 x 25 mm T25 countersink screws and tighten **(DO NOT Overtighten)**.

# SADDLEBAG BRACE, RETENTION STRAP, HINGE & LID INSTALLATION



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## STEP 1: Install Hinge & Retention Strap (See Figure 9)

- Reinstall (2) T20 inner mounting screws for hinge.
- Reinstall (2) T20 outer mounting screws for hinge & retention strap to saddlebag lower. If using a 24CHDLID Kit be sure to change to CHDJS and run wire under strap thru notched section.

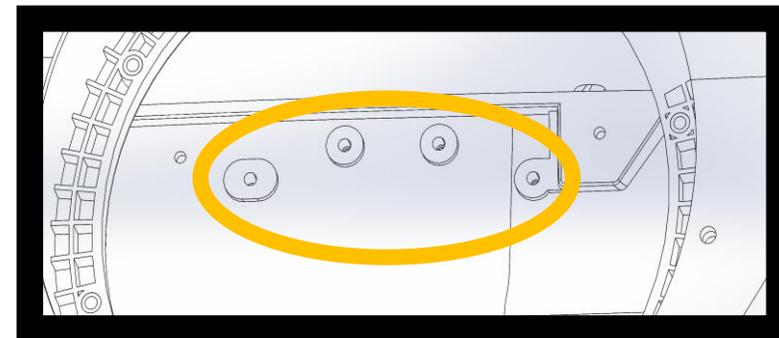


Figure 9 - Hinge

## STEP 2: Install Saddlebag Brace (See Figure 10)

- Locate the correct left or right brace, insert between mounting ring and saddlebag hinge holes drilled out previously.
- Open lid all the way to expose mounting holes for brace on hinge surface.
- Install (2) M4 x 10mm thru hinge surface into the brace. [RED]
- Install (2) M4 x 8mm thru the brace into the woofer ring. [BLUE]

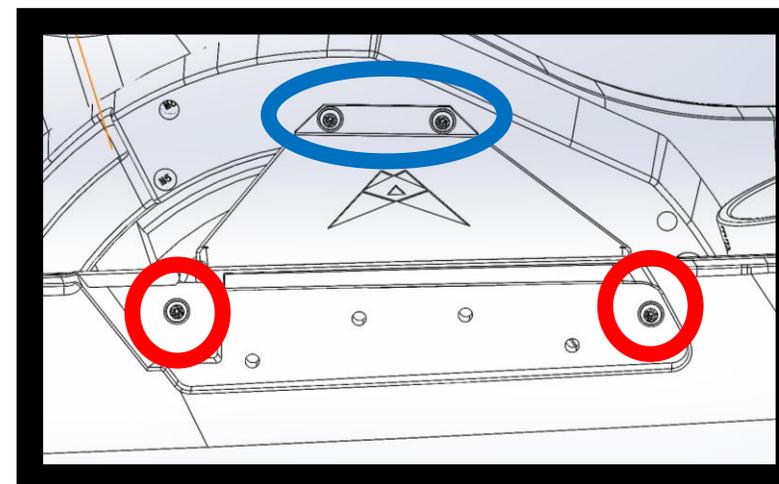


Figure 10 - Brace

## STEP 3: Mounting Retention Strap to Lid

- Reinstall (2) T20 Upper Retention Strap mounting screws to lid.

# CMB10.S4 MID-BASS INSTALLATION

## Speaker Gasket

- Install silicone woofer gasket into rear of mid-bass frame mounting surface; some speakers already come with this so you might have an extra set.
- NOTE: CICADA CMB10S4NEO and newer CMB10S4 have a 4 piece gasket that applies to the frame itself. This does not use the silicone gasket with the ribs.

## Terminal Orientation

- Install mid-bass orienting speaker terminals facing forward towards the front of the bag, as shown in Figure 11.

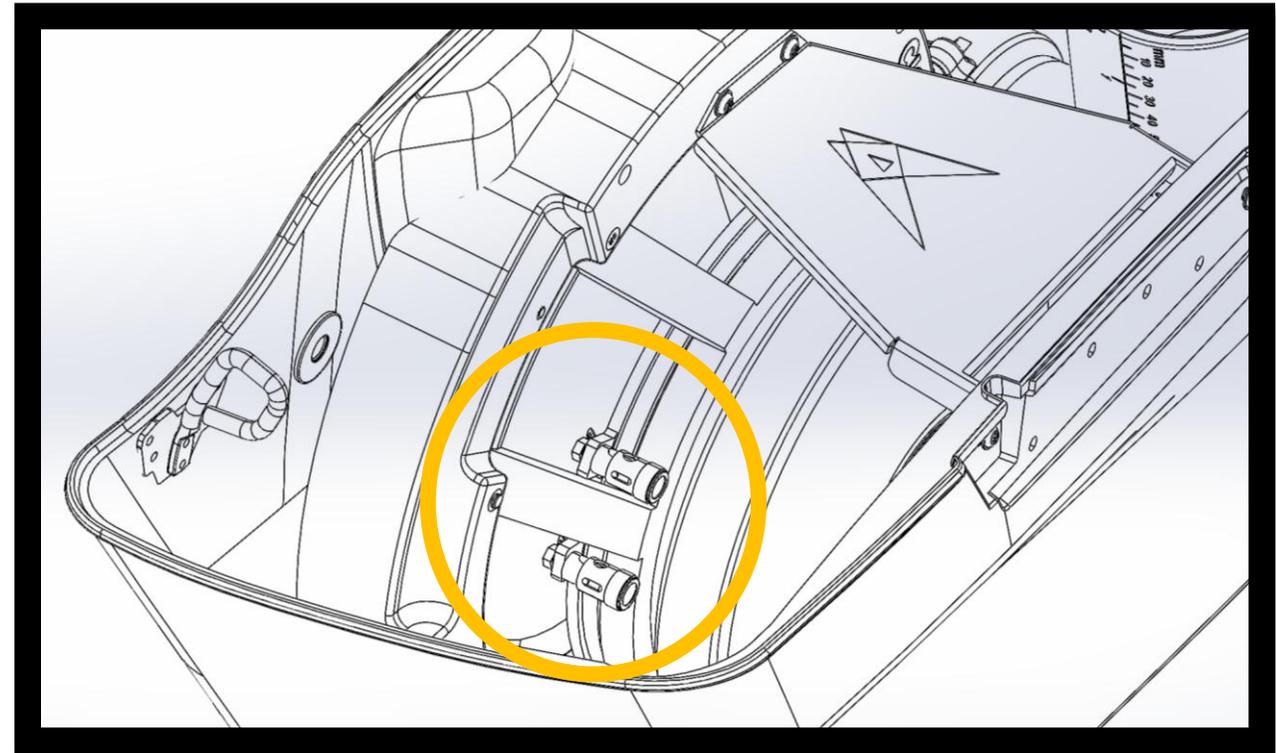


Figure 11 – CMB10.S4 Speaker Terminals

# CMB10.S4 MID-BASS INSTALLATION

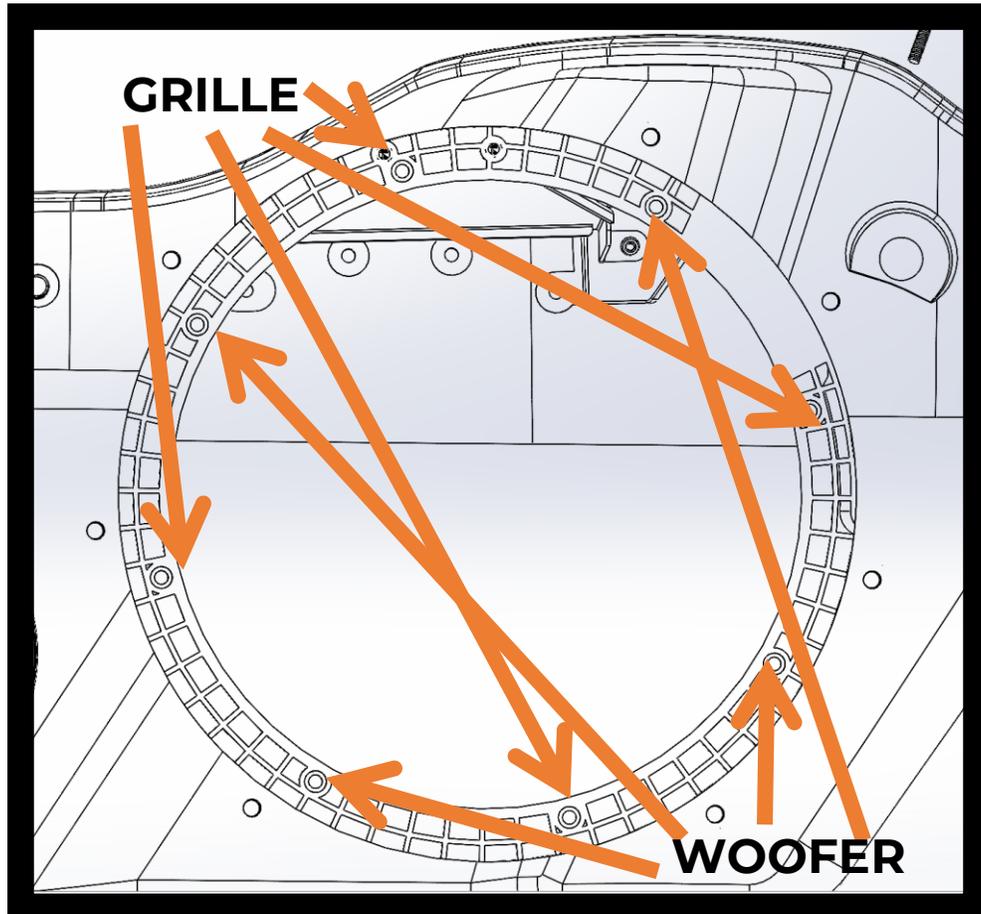


Figure 12 – Mounting Points

- Install speaker using (4) M5 x 15mm screws into locations, see Figure 11.
- **NOTE: CICADA CMB10S4NEO and newer CMB10S4 have a use short M5 x 12 mm screws.**
- Install metal grill mesh and plastic grille trim ring using remaining (4) M5 x 45 mm screws, see Figure 12.
- **NOTE: CICADA CMB10S4NEO and newer CMB10S4 have a use a 10 mm EVA spacer between the woofer frame and grille mesh.**

# 24HDPORT3 PORT TUBE INSTALLATION



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- If necessary, trim port length to fit design requirement, full length is 11 inches.
- Apply black silicone to the interior sleeve of the port tube and slip onto flange previously mounted to bag. (Black silicone adhesive not included, we recommend 3M or Permatex).
- Best practice on port orientation is up and forward in the standard application.

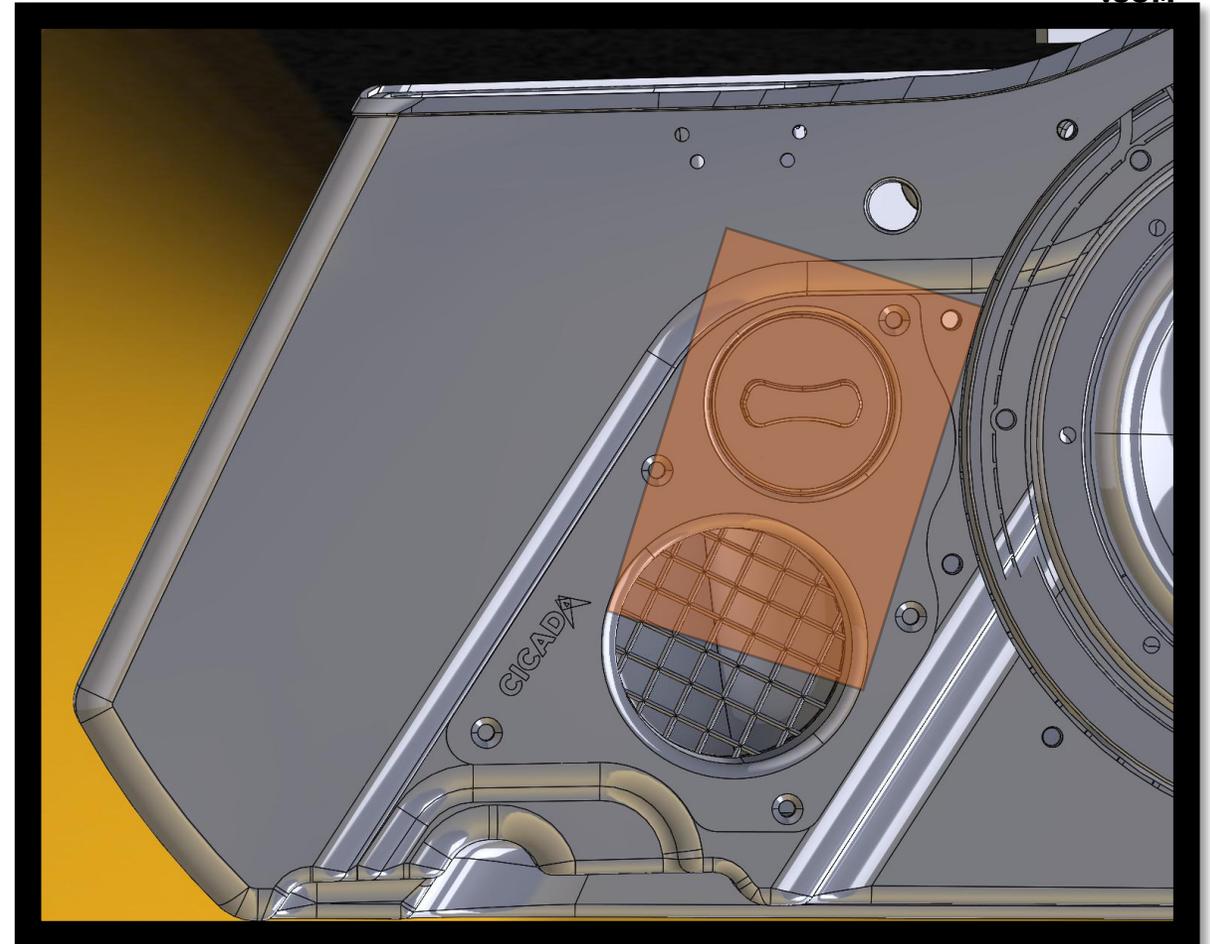


Figure 13 – Port Tube Orientation

# LID GASKET REPLACEMENT

**THIS IS A VERY IMPORTANT STEP TO KEEP YOUR BAG SEALED FOR BEST MID-BASS PERFORMANCE!**

- Remove factory gasket from lid
- Clean off residue from old gasket with alcohol or adhesive remover.
- Apply Adhesion Promoter to outer solid wall of channel [ORANGE], (see Figure 14).
- Using the included new stiffer gasket, peel backer and apply the adhesive side to the exterior solid lip wall.

**NOTE:** Not the ribbed bottom of the recess. This creates a better seal between the lid and bag lower.

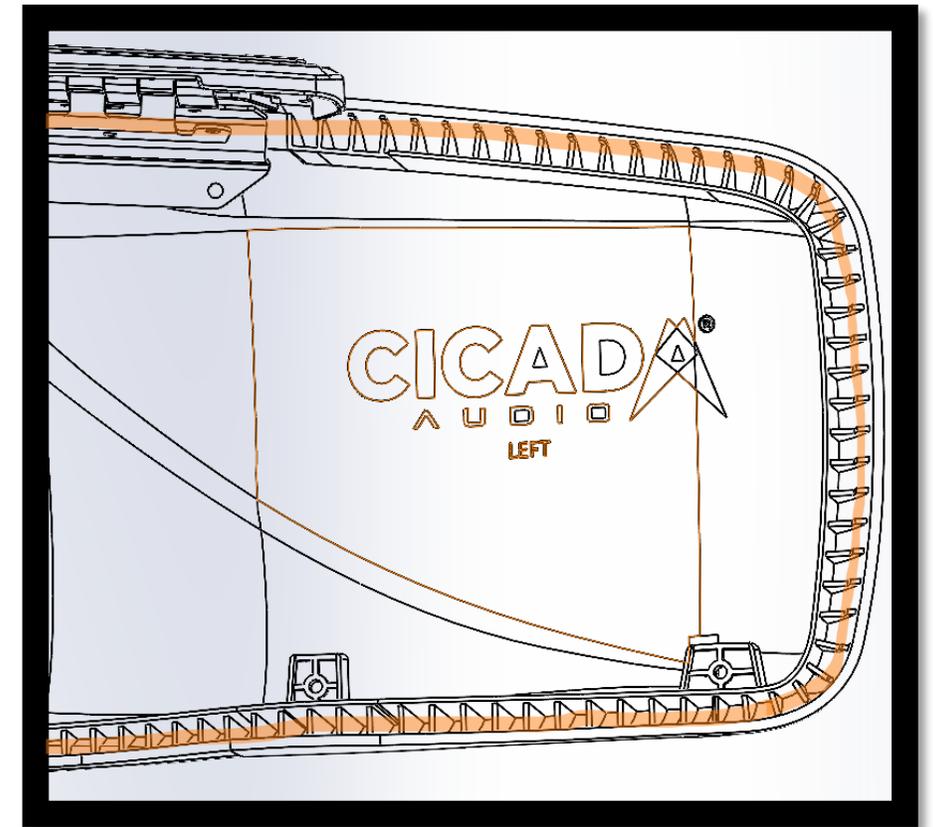


Figure 14 – Lid Gasket

# SADDLEBAG REINSTALLATION

- Install supplied silicone grommet into bag.
- Install aluminum collar sleeve into grommet from outside of bag.
- Use supplied stainless 5/16" bolts with 1" washers and ¼" Allen Wrench to install bag onto bike.

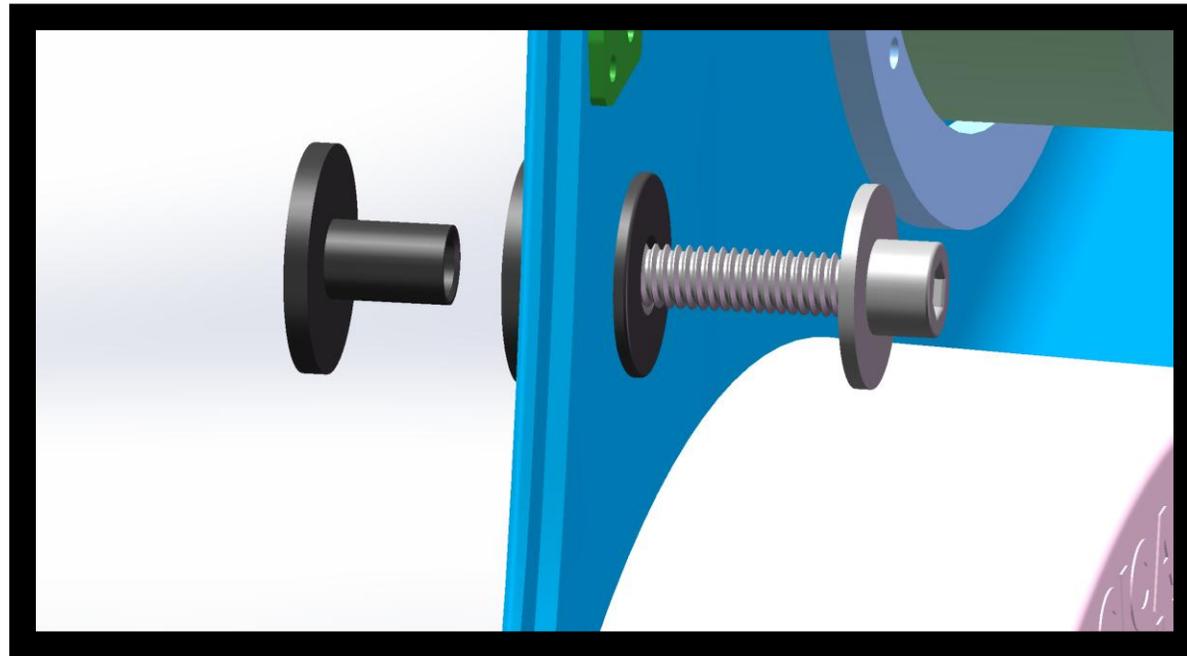
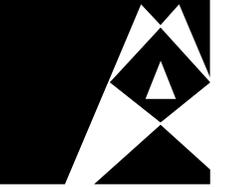


Figure 15 – Bag Mounting Hardware

# TIME FOR TUNING



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Once Saddlebags are mounted and your Mid-Bass speakers are wired, it's time to tune!

- Set your Amplifier Gains to the Proper Output.

## Let's Ride!

# LIMITED WARRANTY STATEMENT

Cicada Audio warrants this product to be free of defects and quality workmanship for a period of TWO (2) year from the original date of purchase. A receipt from an authorized Cicada Audio dealer is required for warranty claim. Product warranty starts on the day of purchase or no longer than three years from the date of manufacture.

**THIS WARRANTY IS NON-TRANSFERABLE AND APPLIES ONLY TO THE ORIGINAL PURCHASER OF THE PRODUCT IN THE ORIGINAL INSTALLATION.**

Should a manufacturing defect occur during the warranty period, Cicada Audio will repair or replace defective product with a product of the same or equivalent value and performance. Damage or failure caused by improper use is not covered under this warranty. Negligence, improper use, product modification, unauthorized repair, accident, acts of god, dealer misrepresentation and improper or inadequate packaging during return shipment will not be covered. Warranty is void if serial numbers have been removed or defaced.

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For factory service OR tech support contact:

Cicada Audio

[cs@cicadaaudio.com](mailto:cs@cicadaaudio.com)

3757 E Broadway Road, Suite 5

Phoenix, AZ 85040

Phone: 480-887-8699



**CICADA AUDIO.COM**

#### CONTACT

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3757 E. Broadway Rd. Ste. 3  
Phoenix, AZ 85040



(480) 887-8699



[sales@cicadaaudio.com](mailto:sales@cicadaaudio.com)