



Instructions  
Rev: 9-24-2015

Rinehart Racing Hi-Flow Baffle Kit  
Part #: 100-0111

**Installation Instructions**

Thank you for buying RINEHART RACING exhaust product. We are committed to providing you a quality product that with the proper installation and care will last you for many years to come. Rinehart Racing highly recommends that you seek the advice and/or skill of a professional mechanic. If you have questions pertaining to the installation, please contact our technical service department: 1.877.264.8282 or www.rineharttracing.com.

**Tools Required**

- 5/32" Allen Wrench
- 7/16" Wrench
- 9/16" Socket and Ratchet/Wrench
- 5mm Allen Wrench
- 1/2" Wrench
- Pliers
- Hammer
- RTV Silicone

**Items Supplied**

1/4" -20 x 3/4" SBHSCS

Qty:  
6

- 1) Remove both left and right saddle bags to provide access to the mufflers. If lights or bag guards restrict access, loosen the stock muffler barrel clamps with a 9/16" wrench. Or if you have a Rinehart Racing header system use a 5mm allen wrench to loosen the upgraded muffler barrel clamps. Remove nuts from muffler hanger brackets using a 1/2" wrench. Mufflers can then be rotated outwards to provide access to the top allen bolts.
- 2) Using a 5/32" allen wrench, remove screws on the muffler body securing the end cap and muffler body together. If a longer bolt and nut are removed, retain for later use. Picture 1. Remove the end cap.
- 3) Remove the baffle from inside the muffler body. If the baffle is difficult to remove you may need to clamp on to the baffle with channel locks or pliers to gently work the baffle loose from the muffler's inlet.
- 4) Taking a new Hi-Flo baffle apply RTV silicone to the inlet end of the baffle (opposite of the beaded end). Create a bead around the diameter of the baffle as shown in Picture 2. Apply two layers approximately 1/2"-3/4" apart. Do not apply silicone too close to end.
- 5) Apply a bead of the RTV silicone on the inside diameter of the outlet end of the muffler as shown in Picture 3.
- 6) Insert baffle into the muffler with inlet end (with silicone) facing down as shown in Picture 4, and line up the drilled hole in the baffle with the top hole of the muffler as in Picture 5.
- 7) Push the baffle all the way down so that it is seated into the inlet of the muffler. Then apply RTV silicone in three equal places around the outside diameter of the baffle, just above the beaded ring as shown in Picture 6.
- 8) Place end cap back onto the end of the muffler, making sure that the baffle is seated within the end cap and that the threaded holes of the end cap are lined up with the holes in the muffler body. Picture 7.
- 9) Install screws into endcap using the new screws provided. If the longer bolt and nut were removed from the top hole in muffler in step 2, first install the two shorter screws, then use a 1/4 drill bit to drill down through the canister and endcap creating a new hole in the baffle and reinstall bolt and nut. If needed Rinehart will provide a kit with drill bit and hardware for longer bolt installation. A torque of 6-7 foot pounds is recommended for the screws. Picture 8.
- 10) If you repositioned the muffler in Step 1, place the muffler in the appropriate position and tighten all fasteners and bolts. Then reinstall saddle bags. Repeat steps 2 - 9 for other muffler.



Picture 1  
Remove screws, end cap(s)  
& baffle(s)



Picture 2  
Apply silicone to inlet  
(opposite of beaded end)



Picture 3  
Apply silicone inside muffler



Picture 4  
Insert baffle, inlet down  
(end with silicone)



Picture 5  
Align baffle hole with  
top muffler hole



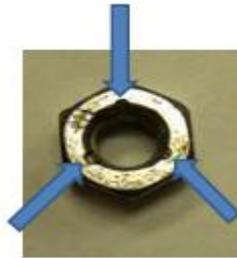
Picture 6  
Apply silicone in 3 equal positons  
just above the beaded ring



Picture 7  
Align holes & install end cap



Picture 8  
Install end cap screw(s)



Picture 9  
Install nut crimp end  
facing down