



Brock's Performance Products • 4064 East Patterson Road • Dayton, OH 45430 • Phone: 937-912-0054 • Fax: 937-912-0062

## Installation Instructions for the Suzuki Hayabusa GSX-R1300 (1999-17) Alien Head & ShortMeg Exhaust Systems

### CHECK PACKAGE CONTENTS

1. Four (4) Header Mount Flanges (Installed in Headers)
2. One (1) Left Side Header (Cylinders 1 & 2)
3. One (1) Right Side Header (Cylinders 3 & 4)
4. One (1) Collector
5. One (1) Alien Head Megaphone
6. One (1) Package Containing Springs, Spring Puller, Bracket and Hardware
7. One (1) Black Rubber Cap (Not Shown)
8. One (1) Instruction Package



If any parts are missing, contact Brock's Performance Products.

**Brock's Performance Alien Head**

### PRE-ASSEMBLE HEADERS AND COLLECTOR TO ENSURE PROBER FIT BETWEEN ALL PARTS

Brock's Performance carefully inspects each system prior to shipping, we recommend that you test fit your system prior to installation. Apply WD-40 to the joints to ease assembly, adjustment, and/or disassembly.



### REMOVE BODYWORK

Remove body work by removing fasteners. Start with all of the Allen Head bolts, then the plastic fasteners on the front and bottom of bike (behind the front tire). The bodywork is held on by a couple of rubber grommets so the body work may not "fall off". Start at the bottom and work your way up. After the bottom is loose, you may need to lift up on the bottom almost like a "wing" to remove the top. Be very careful not to break any tabs off while doing this. Once either side is off continue in the same fashion to the other side. There is no need to take off the guard for the oil cooler, it will stay in place.

### REMOVE THE MUFFLERS

When removing the mufflers always start at the fastener closest to the front of the bike. The clamp bolt only needs to be loosened not removed. Move up the muffler to the passenger peg bolt that secures the back of the muffler. Completely remove the bolt holding the muffler bracket but be careful not to let the muffler drop on the ground when doing this.

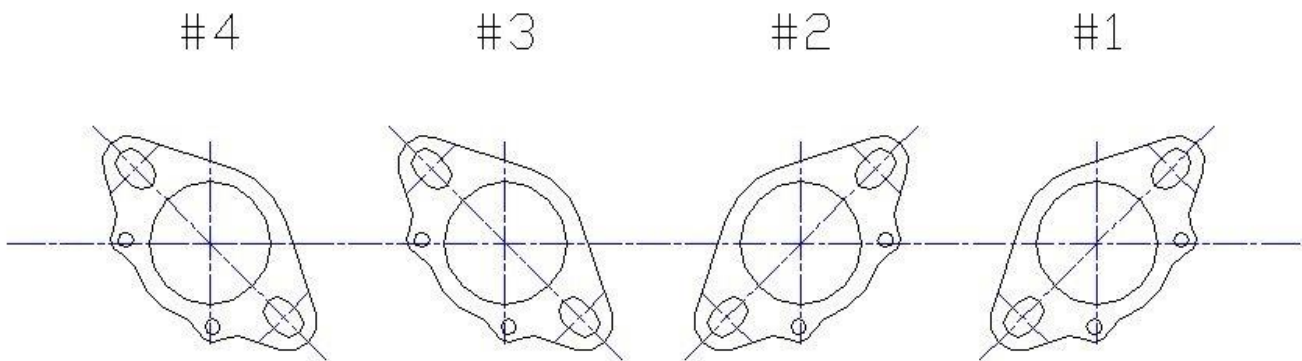
You may need to apply a little twisting force when removing the muffler. Then proceed to the other side of the bike and repeat these steps.

### REMOVE THE HEAD PIPES

Remove the radiator / oil cooler mounting bolts and the lower oil cooler bracket. Disconnect the O2 sensor from the wiring harness, install the O2 eliminator supplied with your Power Commander. Remove the lower radiator / oil cooler bracket, two (2) bolts in the bottom of the radiator and one (1) bolt to the engine bracket. You can gently push the radiator forward to make room for the removal of the headers. Remove all eight (8) of the Allen Head bolts holding the four primaries to the head and the rear mounting bolt at the "Y" of the pipe. The rear mounting bracket may be removed from the frame as it is no longer needed. Remove the headers from the bike. *Be careful not to hit the flanges of the pipes on the radiator*, sometimes a piece of cardboard will help in this area for protection of the radiator. Check to make sure the exhaust gaskets are still in the head, do not remove, you will reuse these.

### INSTALL FLANGES

Remove the flanges from the headers. Using the eight (8) Allen head bolts from the original flanges, attach the flanges with the larger flared side against the gaskets in the cylinder head and align as shown. Make sure flanges are flat to the gaskets and tighten flanges to 10-15 ft-lbs to promote a proper seal.



### INSTALL HEAD PIPES

Apply a small amount of Permatex Ultra Copper to inside of the header pipes. Install the header pipes onto the flanges while making sure not to hit the radiator and oil cooler. After one side of the primaries are installed, attach the two (2) springs to the tabs on the head pipes. Then repeat to the other side. Make sure the radiator as well as other hoses have clearance from the head pipes.



Check for adequate clearance between Pipe #1 and oil cooler line. Adjust clearance, if necessary, by **gently** bending the tube away from the pipe. Use other hand to support the cooler. A minimal amount (1/16 inch) of clearance is all that is required. **DO NOT OVER BEND! SERIOUS DAMAGE TO THE COOLER LINE MAY RESULT.**





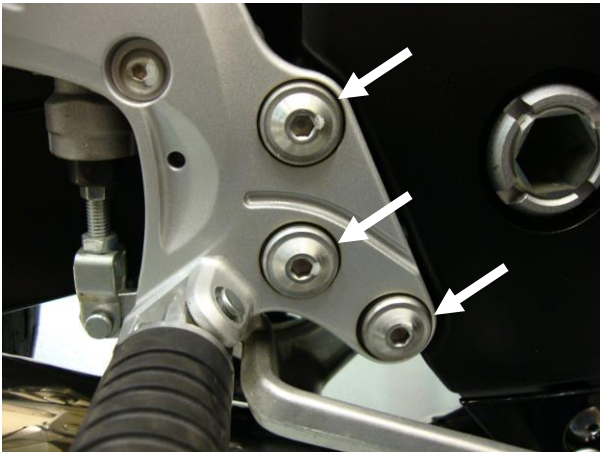
Check clearance between Head Pipe # 4 and oil line. (If necessary, loosen oil line clamp bolts, then adjust for additional clearance and re-tighten.)

**INSTALL COLLECTOR**

Install the collector to the head pipes with two (2) supplied springs. Once the springs are on, give the collector a good wiggle so it can seat against the header pipes. Check clearance between rear collector and stock system mounting tab.

**INSTALL BRACKET AND MUFFLER**

Remove the three (3) bolts securing the right foot peg bracket to the frame and place the bracket between frame and the foot peg bracket with shiny side facing out. Re-install the original bolts and tighten.





Install the Alien Head Muffler by using the supplied spacer, bolt, washers, nut, and springs. The tab on the Alien Head muffler is behind the mounting bracket with the spacer between them. Re-check all fasteners of system to make sure everything is tightened properly.



### CLEAN SYSTEM OF FINGERPRINTS

With any exhaust system you must clean all fingerprints off before starting the motorcycle to insure there will not be fingerprints "burned" into the pipe. Carefully use alcohol, brake clean, etc. to clean the system.

### RE-INSTALL OIL COOLER AND BRACKET

Re-attach the lower radiator / oil cooler bracket and tighten all fasteners.

### INSTALL BODYWORK AND CHECK CLEARANCE

Replace all bodywork and check clearance. *Bodywork must be at least 1/4 of an inch from any part of the exhaust system.* Brock's Performance does not warrant burned plastic.

### ADDITIONAL

Review documents for PAIR valve and O2 sensor modifications.  
Install the appropriate Power Commander map for your application.



**Brock's Performance Products are designed for Closed-Course Racetrack use ONLY!**

For more information go to [www.BrocksPerformance.com](http://www.BrocksPerformance.com), click: Installation Instructions

If you have questions, you can e-mail us at [Advice@BrocksPerformance.com](mailto:Advice@BrocksPerformance.com) or call: 937-912-0054

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