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INSTALLATION INSTRUCTIONS FOR BROCK'S PERFORMANCE KAWASAKI ZX-10R (16-) ALIEN HEAD 2 FULL EXHAUST SYSTEM

The Alien Head 2 for the Kawasaki ZX-10R (16-) is a high performance 4-2-1 exhaust system that replaces the OEM head pipes, catalytic converter, and muffler.

Step 1: Check Package Contents:

The Alien Head 2 Full Exhaust System is shown (Figure 1).

The Package Contents Include:

1. One (1) Right Side Head Pipe
2. One (1) Left Side Head Pipe
3. One (1) Alien Head 2 Muffler
4. One (1) Secondary Collector
5. Four (4) Head Pipe Mounting Flanges
6. One (1) Tube of Permatex™ Ultra Copper® Sealant
7. One (1) Package Containing Springs, Spring Puller, PAIR Block-Off Cap, Muffler-Mounting Bracket, O2 Sensor Adapter and Mounting Hardware
8. One (1) Packet Containing Instructions and Supplemental Information

FIG 1



If your package contents differ, please contact Brock's Performance.

Note: A slight ovaling of the tubing can occur during the manufacturing process; this is normal. A twisting motion may be required during assembly/disassembly.

Step 2: Pre-Assemble Head Pipes and Collector to Ensure a Proper Fit

Between All Parts: A pre-assembled front section is shown in (Figure 2). Pre-assembly helps to ensure that all components fit properly. Apply WD-40® to the pipe joints to ease assembly, adjustment, and especially disassembly.

FIG 2



For additional support please refer to the OEM service manual. It can be found here: BrocksPerformance.com > Customer Service > Installation Instructions > [ZX-10R \(16\) Service Manual](#)

Caution: During all steps below, the fairings should remove with ease. If you feel resistance, stop and assess the situation before continuing.

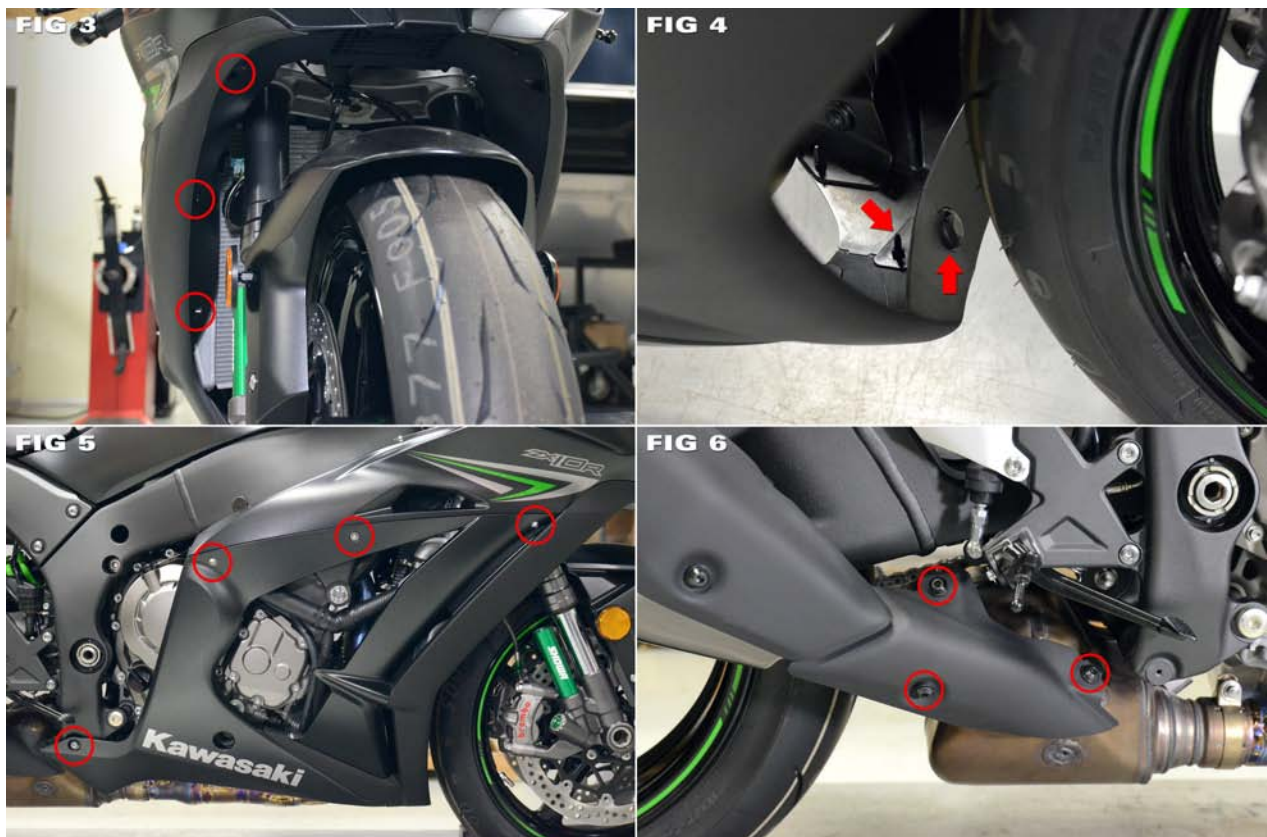
Step 3: Side Fairing Removal: Remove the three (3) quick rivets located at the front of each side fairing (See Figure 3). Use a pin or small hex head wrench to push the center of the quick rivet inward. Then remove the rivet using a small flat head screwdriver. Remove the two (2) additional quick rivets connecting the side fairings together, located behind the front tire (See Figure 4). Using a thin blade screwdriver lift the center of the rivet head. Then pull the rivet from the bodywork. Remove the three (3) bolts/washers at the top of the side fairing and one (1) bolt/washer at the lower rear corner on each side fairing (See Figure 5).

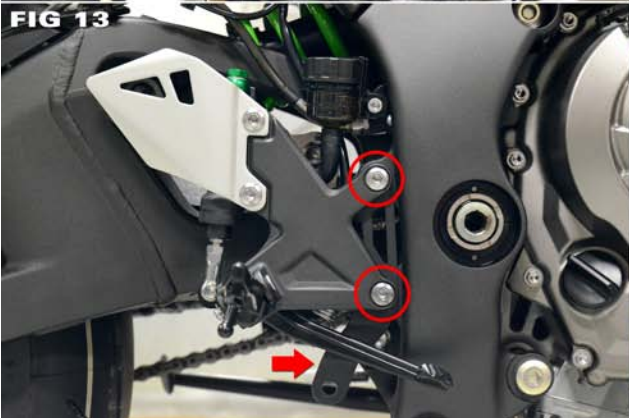
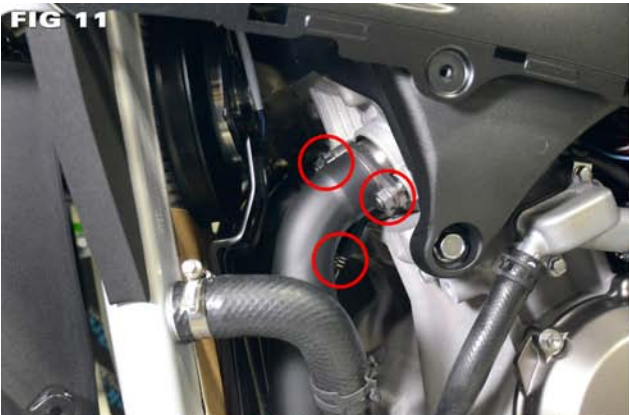
Step 4: Muffler Removal: Remove the three (3) bolts shown in (Figure 6) to remove the heat shield. Loosen the clamp on the OEM muffler (See Figure 7). Remove the muffler-mounting bolt shown in (Figure 7) and slide the muffler assembly backwards to extract.

Step 5: Servo Cables & Oxygen Sensor Removal: Remove the bolt attaching the small cover to the exhaust servo. Once removed, loosen the locknuts holding the cables in place and remove the cables from the exhaust (servo cables are not used with the full exhaust system). Tie-wrap cables in a secure location, or remove cables from servo motor in tail section (recommended). Remove the oxygen sensor from the head pipes. The oxygen sensor is not used as part of the Brock's Performance package and can be removed if you have the Brock ECU Flash. See [Service Manual](#) for additional information on servo cable and O2 sensor removal.

Step 6: Catalytic Converter Removal: Loosen the clamp securing the catalytic converter to the head pipes (See Figure 8). Loosen and remove the bolt shown in (Figure 8), securing the catalytic converter to the frame. Slide the catalytic converter assembly backwards to extract.

Step 7: Head Pipe Removal: Remove the bolt from the radiator bracket shown in (Figure 9). Remove the flange nuts (two on each) from all four (4) head pipes (See Figure 10). While holding the head pipes, pull each flange out and away from the head studs. Carefully lower and remove the head pipe assembly.



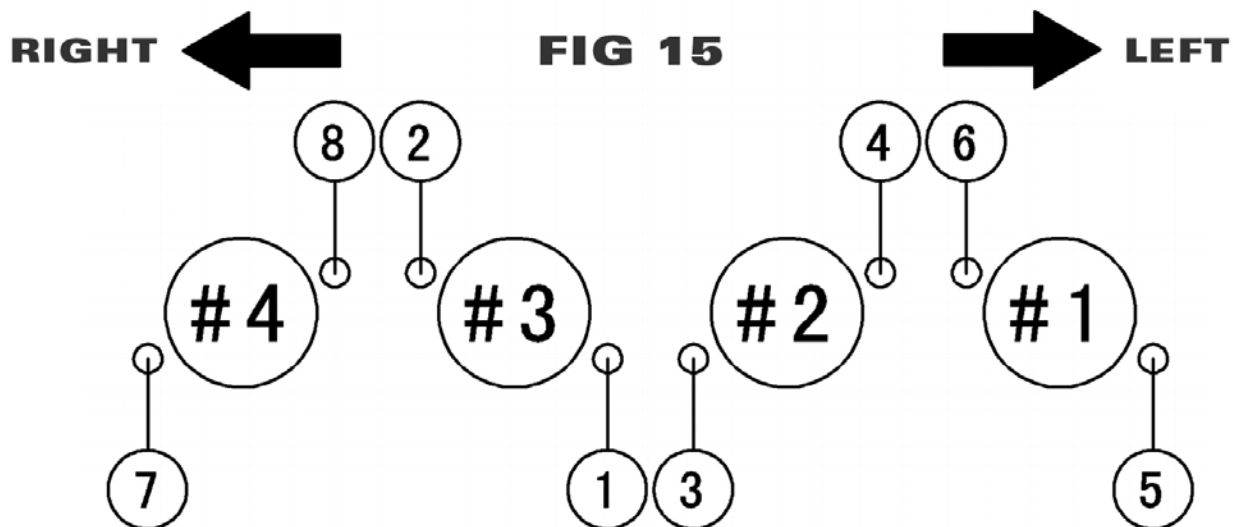


Step 8: Install Head Pipes and Collector: Install the four (4) head pipe mounting flanges, reusing the OEM nuts and exhaust gaskets. **Note:** *the spring mounting tabs are oriented on the bottom of the flange.* Do not fully tighten the flange nuts; leaving them finger tight will allow for easier adjustment after the head pipes are installed. Prior to installation of the head pipes, apply a very thin layer of Permatex™ Ultra Copper® to the inside of each head pipe, no further than 1/2" into the pipe. This will ensure a high temperature seal is created. **Be careful** to avoid contact with the radiator while installing the head pipes. Install the right side and left side head pipe and attach using the supplied springs (See Figure 11). Install the secondary collector onto the head pipes using the supplied springs (See Figure 12).

Step 9: Muffler-Mounting Bracket: Remove the two bolts attaching the OEM brake side rearsset. Insert the supplied muffler-mounting bracket between the frame and rearsset (See Figure 13). Reinstall the OEM bolts and tighten to 25 N-m (18 ft-lb).

Step 10: Install the Muffler: Install the muffler onto the secondary collector (See Figure 14). Adjust as necessary to ensure that the muffler tab aligns with the muffler-mounting bracket. Using the supplied M8 x 16mm Allen head bolt, washers and nut, mount the muffler into place and attach the supplied spring from the muffler to collector. Wiggle the muffler and collector to make sure all is properly seated, and then tighten the mounting bolt.

Step 11: Torque Exhaust Flange Nuts: Following the tightening sequence found in (Figure 15), torque the exhaust flange nuts to 20 N-m (15 ft-lb).



Caution: Failing to follow the steps below may result in damage to your bike!

DO NOT START BIKE UNTIL YOU HAVE ENSURED A MINIMUM ¼-INCH CLEARANCE BETWEEN THE EXHAUST COMPONENTS AND ALL BODYWORK/PARTS.

- Failure to ensure proper clearance may result in burned plastic. Brock's Performance exhaust systems are designed to provide appropriate clearances. If minimum clearances are not obtained, remove the springs on the exhaust system and adjust until proper clearance is achieved.
- It is recommended that the entire exhaust system be wiped down with **rubbing alcohol** to remove oil and fingerprints before starting the bike. This will help prevent tarnishing of the finish after the bike has been started and the exhaust has heated up.
- **Fender eliminator kits required on some models see BrocksPerformance.com for more details.**



CONGRATULATIONS! INSTALLATION IS COMPLETE.

All Brock's Performance products are designed for closed-course racetrack use ONLY!

For more information on Brock's Performance Warranty and Terms and Conditions: www.BrocksPerformance.com
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For Questions and Comments: www.BrocksPerformance.com > Customer Service > Contact Us
or call the Tech Line 937-912-0054