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KAWASAKI ZX-10R (16-24) CT SERIES FULL EXHAUST SYSTEM INSTRUCTIONS

The Brock's Performance CT Series Exhaust System for the Kawasaki ZX-10R is a high-performance 4-2-1 full titanium exhaust system that replaces the OEM muffler, catalytic converter, and head pipes.

Check Package Contents:

The Package Contents Include (Fig 1):

1. One (1) CT Series Muffler
(May differ from image)
2. One (1) Left Head Pipe
3. One (1) Right Head Pipe
4. One (1) Collector
5. One (1) Intermediate Pipe
(May differ from image)
6. One (1) Package Containing Hardware
(Mounting Bracket, Flanges, Springs, etc.)
7. One (1) Package Containing Instructions



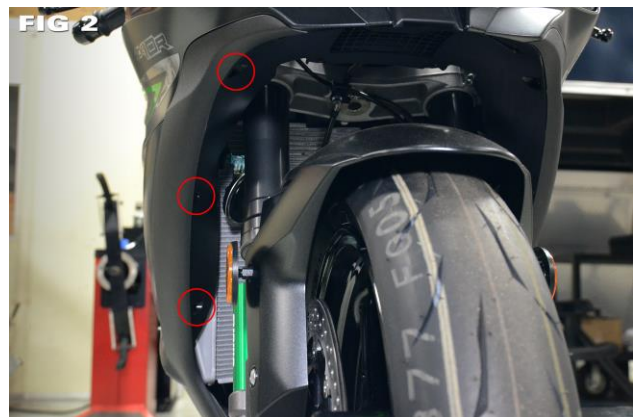
If your package contents differ, please contact Brock's Performance at 937-912-0054.

These instructions show installation of this exhaust system on a Gen 5 (16-20) ZX-10R; the Gen 6 (21-23) ZX-10R varies slightly. For additional installation support please refer to the OEM service manual.

Step 1: Side Fairing Removal: Remove the three (3) quick rivets located at the front of each side fairing (Fig 2). Use a pin or small Allen wrench to push the center of the quick rivet inward. Then remove the rivet using a small flat head screwdriver. Remove two (2) additional quick rivets connecting the side fairings together, located behind the front tire (Fig 3). Using a small flat head screwdriver lift the center of the rivet head. Then pull the rivet from the bodywork. Remove 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 (Fig 4).

Step 2: Muffler Removal: Remove three (3) bolts (Fig 5) securing the heat shield and remove. Loosen the clamp on the OEM muffler. Remove the muffler-mounting bolt and remove the muffler (Fig 6).

Step 3: Servo Cables 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 the cables in a secure location, or remove cables from the servo motor in the tail section (recommended). A [Servo Buddy](#) or [Brock's ECU Flash](#) can be purchased to prevent the check engine light from activating after EXUP (servo) removal.



Step 4: Catalytic Converter Removal: Remove the oxygen sensor from the OEM head pipe. The oxygen sensor is **NOT** used as part of Brock's Performance exhaust package and can be removed if you have the [Brock ECU Flash](#). Loosen the clamp securing the catalytic converter to the head pipes. Remove the bolt securing the catalytic converter to the frame. Remove the catalytic converter assembly (Fig 7).

Note: Place cardboard around radiator and oil cooler (Gen 6 (21-23)) to prevent damage to aluminum fins during exhaust removal/installation.

Note: For the Gen 6 (21-23) it may be necessary to loosen the oil cooler bracket for additional clearance during the removal/installation of the head pipes.

Step 5: Head Pipe Removal: Remove the bolt from the radiator bracket (Fig 8). Remove the flange nuts from all four (4) head pipes (Fig 9). While holding the head pipes, pull each flange out and away from the head studs. Carefully lower and remove the head pipe assembly.

Step 6: Install Head Pipes, Collector, and Intermediate Pipe: Inspect OEM exhaust gaskets and replace as needed. Install the four (4) head pipe mounting flanges, reusing the OEM nuts and exhaust gaskets hand tight. **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 (Fig 10). Install the secondary collector onto the head pipes using the supplied springs (Fig 11). Install the intermediate pipe onto the secondary collector using the supplied springs (Fig 11).

Note: The collar lip goes towards the engine.

For CT Meg muffler installation follow Steps 7 and 8.
For CT Single muffler installation follow Steps 9 and 10.

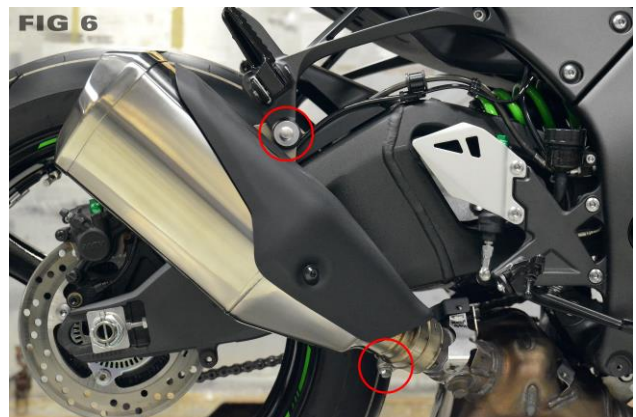
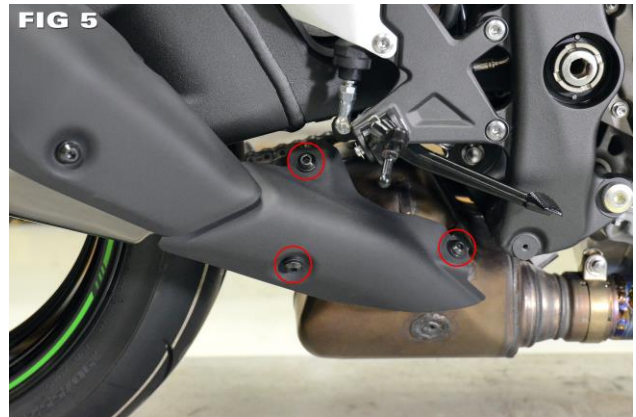
Step 7: CT Meg Muffler-Mounting Bracket: Remove the two bolts attaching the OEM brake side rearsset. Insert the supplied muffler-mounting bracket between the frame and rearsset (Fig 12). Reinstall the OEM bolts and tighten to 18 lb-ft (25 N·m).

Note: Check rear brake light sensor and adjust as needed to ensure proper function.

Step 8: Install the CT Meg Muffler: Install the muffler onto the intermediate pipe (Fig 13). Adjust as necessary to ensure that the muffler tab aligns with the front side of the muffler-mounting bracket. Using the supplied M8 Allen head bolt, washers and nut, mount the muffler into place and attach the supplied springs from the muffler to intermediate pipe. Wiggle the muffler, intermediate pipe, and collector to make sure all is properly seated, and then tighten the mounting bolt.

Step 9: Optional CT Single Muffler-Mounting Race Bracket: Remove the two bolts attaching the right side OEM passenger footpeg. Using the OEM bolts install the optional muffler-mounting race bracket and tighten to 18 lb-ft (25 N·m). When utilizing this bracket it will be necessary to modify the position of the brake line clamp to obtain additional clearance to avoid contact between the clamp and race bracket (Fig 14).

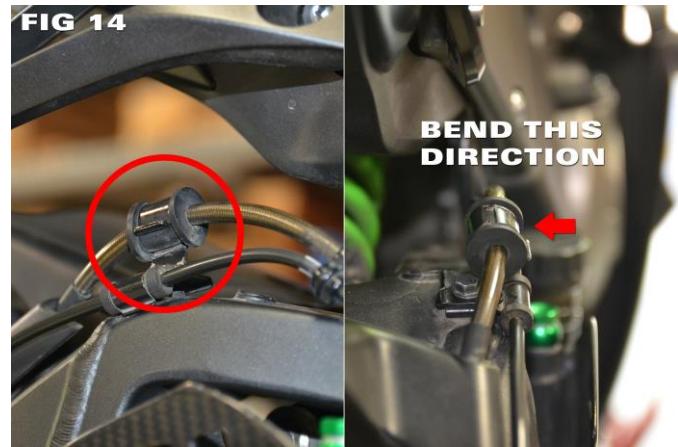
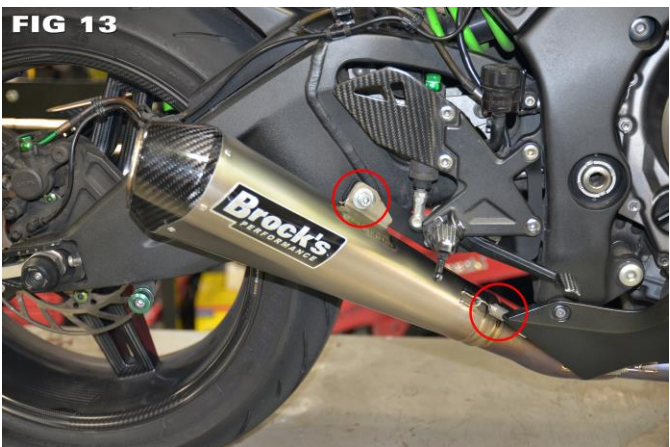
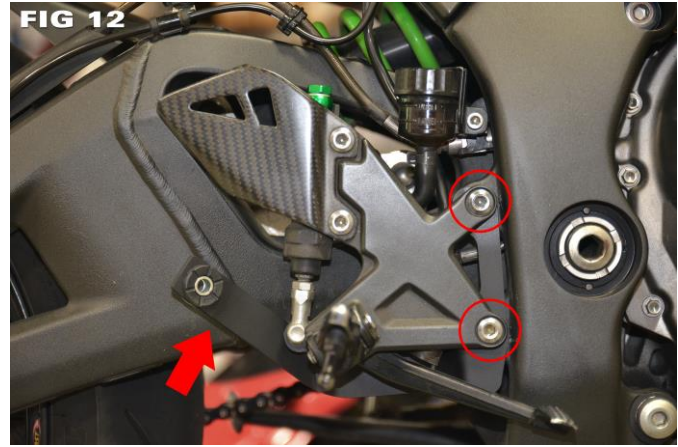
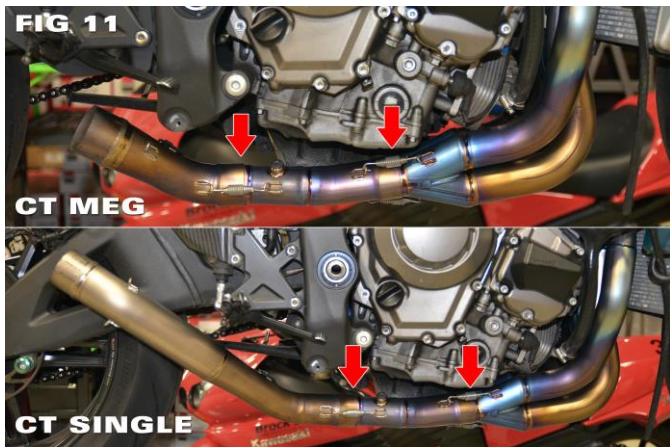
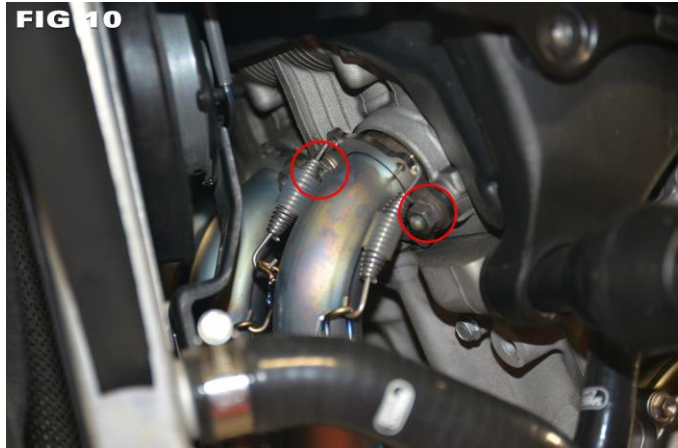
Step 10: Install the CT Single Muffler: Install the muffler onto the intermediate pipe (Fig 15). Adjust as necessary to ensure that the muffler tab aligns with the front side of the OEM passenger footpeg. Using the OEM bolt, washers, nut, and supplied spacer, mount the muffler into place (Fig 16) and attach the supplied springs from the

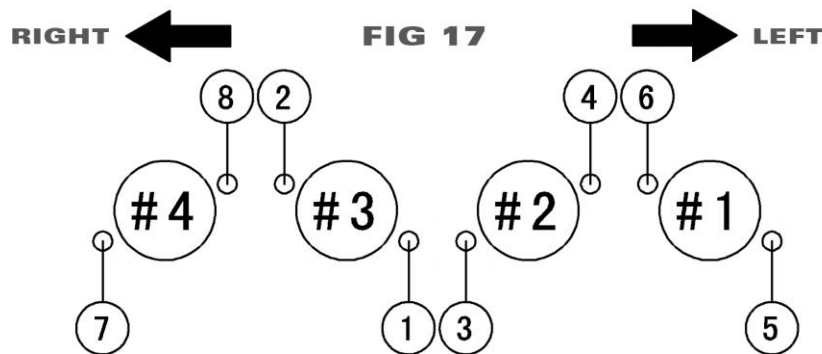
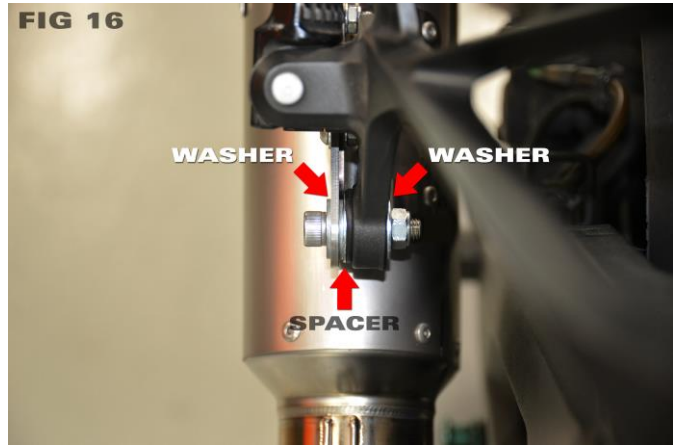


muffler to intermediate pipe. Wiggle the muffler, intermediate pipe, and collector to make sure all is properly seated, and then tighten the mounting bolt. If using the optional race bracket, replace the OEM bolt with the supplied bolt.

Step 11: Torque Exhaust Flange Nuts: Follow the OEM tightening sequence (Fig 17), torque the exhaust flange nuts to 15 lb-ft (20 N·m).

Warranty Info: The PAIR system must be blocked off in order to prevent premature exhaust failure. Please refer to the [PAIR Block Off Cap instructions](#). They can be found at blog.brockperformance.com/instructions.





Muffler Break-in Procedure: After installing a new Brock's CT exhaust system on your motorcycle, it is important to break in the muffler properly before taking it for a ride. To do this, begin by letting the bike idle up to operating temperature. Once there, let it idle for an additional 5-10 minutes allowing the muffler to get hot. It is important not to race or rev the engine during this time, as it can cause the packing to shift. Once the bike has idled and the muffler is hot, turn it off and let the muffler cool completely (approximately one hour) before taking it out on a ride. Following this break-in procedure will help ensure that your exhaust system is working properly and safely. Happy riding.

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

DO NOT START BIKE UNTIL A MINIMUM OF A ¼-INCH (6 MM) CLEARANCE IS OBSERVED 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 is wiped down with **rubbing alcohol** to remove oil and fingerprints before starting the bike. For titanium exhausts, it is recommended to wipe in only one consistent direction, avoiding circular motions. This will help prevent tarnishing of the finish after the bike has been started and the exhaust has heated up.
- **Fender eliminator kits are recommended 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:
BrocksPerformance.com > **Brock's Support** > **Customer Service** > **Terms and Conditions**

For Questions and Comments:
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