



EXY-13R1-CBTC

Cat-Back Exhaust Yamaha R1 (2009-2014)

PARTS LIST

• Tail Pipe/Silencer Assembly Left	1	Clamp-On Spring Tabs	2
• Tail Pipe/Silencer Assembly Right	1	Stock Head Shield Adapter Bracket	1
• Springs	2	Left Heat Shield & Hardware	(installed)
• Pipe Clamps	3		

**<<<<INSTALLATION OF THIS PRODUCT SHOULD BE PERFORMED BY A QUALIFIED TECHNICIAN >>>>
<<<<<<PLEASE READ INSTRUCTIONS CAREFULLY BEFORE BEGINNING INSTALLATION >>>>>>**

NOTE: The instructions in **BLUE** are **OPTIONAL** and recommended. You do not need to complete the instructions in **BLUE** in order to install and use this product. If installing with GRAVES Cat-Elim. LINK, **BLUE NOT** required.

- 1) Remove the passenger seat with your key, including disconnecting the cable. Remove the main seat (2 bolts) and the tail fairing (1 bolt and 4 pop pins) to access the muffler bolts.
- 2) Remove the right foot peg bolts (2 bolts), to access the pipe clamp, and leave attached.
- 3) Loosen both pipe clamps on the right and left side mid-pipes.
- 4) Remove one muffler hanger bolt at a time under the passenger seat to remove the stock mufflers.
- 5) Install the left silencer assembly by first installing one of the clamp-on spring tabs.
 - a. Loosen the pipe clamp on the stock piping holding the small heat shield. Careful to not let the heat shield drop, slide the spring tab under the pipe clamp and tighten enough for spring tab to stay on, but loose enough to adjust (PHOTO 1).
 - b. Install the muffler and hanger mount bolt hand tight to help hold silencer assembly. Rotate and slide the spring tab forward or back and side to side to line up with weld on spring tab to allow some tension on the spring when installed.
 - c. Once located, remove silencer and tighten the pipe clamp holding the clamp-on spring tab.
- 6) Install left silencer assembly (heat shield installed) by sliding into the mid pipe and tightening the hanger bolt under the passenger seat.
- 7) Install spring with spring hook.
- 8) Install right muffler by first installing the other clamp-on spring tab behind lower stock heat shield.
 - a. Mount other clamp-on spring tap to stock piping with provided pipe clamp (PHOTO 2). Tighten the pipe clamp enough so the spring tab won't fall off, but loose enough so fine adjustments can be made.

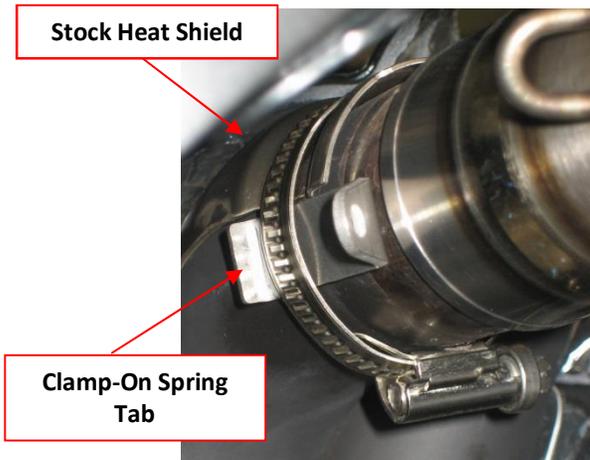


PHOTO 1

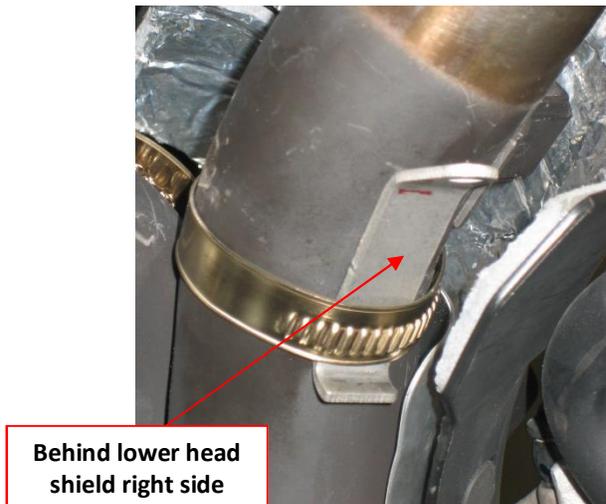


PHOTO 2

The purchaser releases Graves Motorsports, Inc from all liabilities pertaining to the installation and use of purchased parts. Purchaser recognizes that any alteration and/or modifications to the vehicle may increase the risk of injury or accident. **This product is intended for Closed Course Competition Use Only** and may render the vehicle illegal for use on public roads.

- b. Remove the stock heat shield on the stock right side muffler (upper -2 bolts, lower 2 bolts).
- c. Remove the metal heat shield that was under the lower plastic heat shield (1 bolt). Remove the spring nut on the welded mount on the stock muffler. Slide the spring nut to the stock heat shield adapter bracket (PHOTO 3).

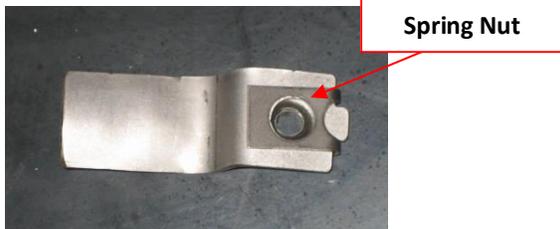


PHOTO 3

- d. With provided pipe clamps, install stock heat shield adapter bracket with spring nut towards the silencer assembly. Tighten pipe clamp enough so the bracket will not fall off, but loose enough to allow adjustment.
- e. Install the metal heat shield by clamping the top on with provided pipe clamp and stock bolt and spring nut on adapter bracket (PHOTO 4).

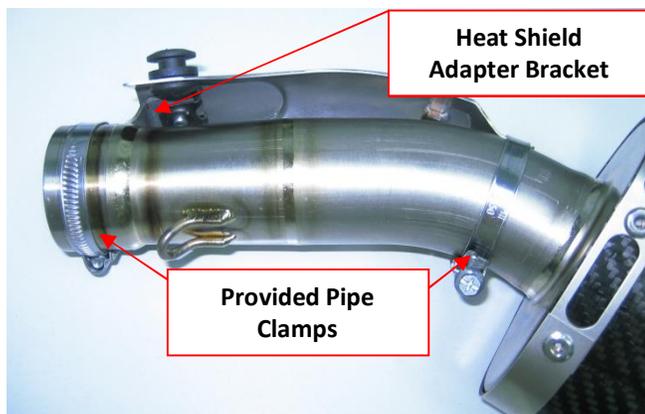


PHOTO 4

- f. Install the black plastic heat shield.
- g. Install silencer assembly by sliding into the pipe and hand tightening the hanger bolt for support.
- h. Rotate and slide the spring tab up or down to line up with the weld-on spring tab and far enough away to allow some tension on the spring when installed. Rotate and locate desired look for heat shield.
- i. Once pipe clamp screws, spring tab, and heat shield are located where desired remove the silencer, tighten the hose clamps adequately.

Note: Installing the stock heat shield, the pipe clamps can scratch the Titanium. If heat shield is removed, you can take out any wear marks of scratches using Scotch Bright Green #96 lightly to remove marks.

- 9) Install the right side tail pipe onto the stock mid-pipe assembly and tighten hanger mount bolt.
- 10) Install spring with spring hook.
- 11) Torque both hanger mount bolts to 14 ft. lbs. / 20 Nm.
- 12) Re-install right side rear set, tail, section, passenger seat, and rider seat.
- 13) Before starting the motorcycle, check for proper clearances and wipe all fingerprints off pipes and mufflers.

Please Note – if using a Dynojet Power Commander *and* Auto Tune, you will be required to use both the stock O² sensor and the Dynojet sensor.

*This Kit works best when paired with the **GRAVES Exhaust Inserts, GRAVES Cat-Eliminator Link and GRAVES Headers Link** also available!*

