

Brock's

PERFORMANCE

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

Kawasaki ZX-10R (08-16) Clutch Cushion Kit **Installation Instructions**

This package contains:

- 1 - Brock's Performance Cushion Ring
- 6 - Brock's Performance Spring Tops
- 6 - Brock's Performance Heavy Duty Springs
- 2 - Brock's Performance Extra Heavy Duty Springs
- 6 - Aluminum Spacers 0.280" Thick



Special note: We recommend the use of a factory service manual for all Brock's Performance product installations and/or maintenance.

A note before you begin: Assembly is in EXACT reverse order of disassembly, unless otherwise noted.

1. Remove the clutch cover, clutch springs, pressure plate and all discs.
2. Position the small lip (on the recessed/counter bored side) of the Cushion Ring over the rear flange of the inner clutch hub.
*** DO NOT INSERT A STEEL PLATE INTO THE ALUMINUM CUSHION RING***- See Lip/Flange placement note on the clutch assembly drawing on page 2. The installer will see the smooth side of the cushion ring when properly mounted. The cushion ring must be CENTERED on the rear flange of the inner clutch hub; NOT resting on the splines of the inner clutch hub or tilted in any way.
3. Install the OEM base washer and judder spring over the teeth of the inner clutch hub and into the center hole of the cushion ring.
4. Position a thick STEEL plate, with the rounded edge facing AWAY from the engine, over the clutch hub until it touches the Cushion Ring. Be careful not to disturb the Lip/Flange placement. The rounded edge is small; feel for it with your fingers. FYI: There are a total of 9 steels and 9 fibers used: 7 steels 2.9mm (0.114") thick, 2 steels 2.6mm (0.102") thick, 8 fibers (large pads) and 1 fiber (small pads). A detailed drawing is included in your Kawasaki Service Manual. *Special Note:* We usually apply a SMALL amount of oil to the friction plates before installation. There is no need to over-oil the plates!
5. Install a fiber plate (large pads) then another thick steel, this time with the rounded edge facing TOWARD the engine. The remaining steels will be positioned in this configuration. Continue the installation: steel/ fiber, until you finish with the (2) thin steels and the fiber with the small pads. Be sure to insert the outermost fiber drive plate claws in to the other slits of the outer basket. A diagram is shown in your service manual. *There will be 1 fiber plate with the small pads not used.*
6. Install the pressure plate, making sure that the teeth on the pressure plate mesh with the clutch hub.
7. Install the clutch springs with the supplied tops and spacers. For short wheelbase, lighter riders; use all (6) purple springs for a static pressure of 336 lbs. (56 lbs. x 6 springs). For maximum static pressure, longer wheelbase and heavier riders, replace (2) of the purple springs with the (2) green springs for a static pressure of 420 lbs. (56 lbs. x 4 springs + 98 lbs. x 2 springs). **The green springs must be installed directly across from each other.** When using the (6) purple springs, additional shims may be added, but do not shim the springs below 0.79" installed height or coil bind will occur. *Do not add shims to green springs.* Use as much spring pressure as you are comfortable with to increase clutch life. Tighten the bolts in a cross pattern and torque the bolts to 8 lb-ft (11Nm).
8. Replace the Clutch Cover, torque to 7.5 lb-ft (10 Nm) and adjust the clutch lever free play.

Brock's Performance products are designed for Closed-Course Race Track Use ONLY.

Brock's Performance Policies and Warranty Information: www.BrocksPerformance.com

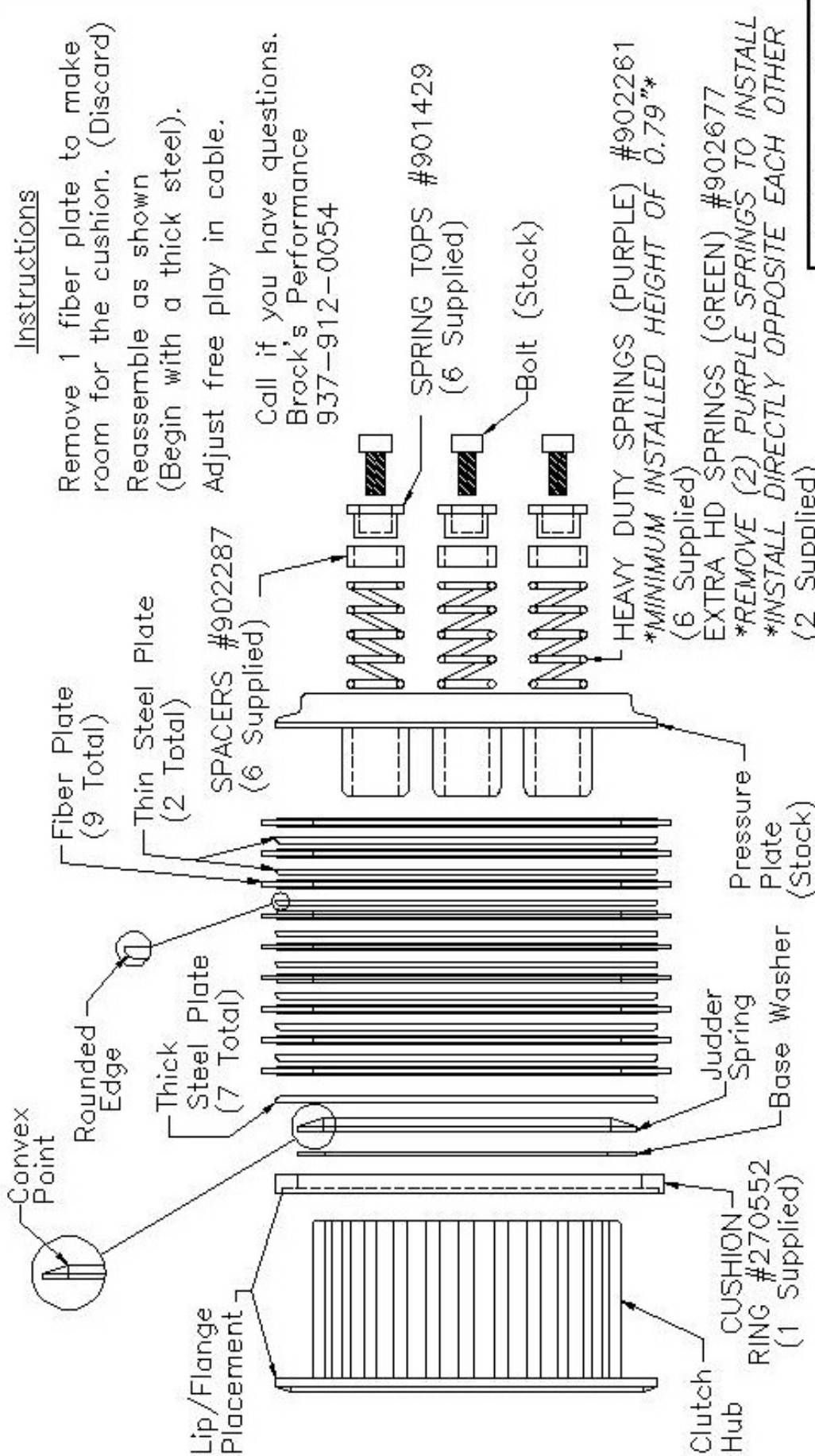
For additional information: Check our Information Forum at www.BrocksPerformance.com

E-mail advice@BrocksPerformance.com or call the Order Line 937-912-0054.

Instructions

Remove 1 fiber plate to make room for the cushion. (Discard)
 Reassemble as shown (Begin with a thick steel).
 Adjust free play in cable.

Call if you have questions.
 Brock's Performance
 937-912-0054



ZX1008-CCK

STANDARD TOLERANCE UNLESS OTHERWISE SPECIFIED	www.BrocksPerformance.com
.X = +.030	Assembly Drawing
.XX = +.015	ZX-10R Clutch Cushion Kit
.XXX = +.005	
.XXXX = +.0005	
FRACTIONS = +.020	
ANGLES = +1 DEC	
BREAK ALL SHARP CORNERS AND EDGES UNLESS OTHERWISE SPECIFIED	

NOTE: EXTRA HEAVY DUTY SPRINGS (GREEN) MUST BE INSTALLED DIRECTLY OPPOSITE EACH OTHER TO EQUALLY LOAD THE PRESSURE PLATE.

Clutch Assembly- Side View

Not to Scale - Some detail removed for clarity