



Installation Instructions

GSX-R1000 Suzuki (2005-06) Ultra Light Clutch Mod Kit Brocks Performance Part Number: S1005-CM-ULTRA

This package contains: 1 Brock's Performance Ultra-Mod®
1 Brock's Performance Clutch Pack Spacer

Special Note: The terminology used in these instructions correlate with the Genuine Suzuki GSX-R1000 Service Manual (PN: 999500-39270-03E).

We recommend the use of this manual for all Brock's Performance Product installations and/or maintenance.

More Common (Race) Terminology and useful notes are in parentheses (Example)

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

1. Remove clutch cover. (The fairing need NOT be removed! It is helpful to remove the rear fairing mounting screw and gently hold the fairing away from the bike when removing the cover. Use caution-- the cover gasket is re-useable if undamaged.)
2. Loosen locknuts and remove all three clutch lifter adjusting pin screws/locknuts. (No longer required.)
3. Loosen and remove all 6 clutch springs and pressure plate.
4. Remove clutch pusher assembly.
5. Loosen clutch sleeve (inner hub) hub nut. (A special tool is available from Suzuki; we use a glove to hold the inner hub and remove the 30mm nut with an impact gun.)
6. Remove the nut, spring washer and flat washer.
7. Remove the entire inner hub and drive/driven plates (clutch pack) assembly from the countershaft (Input Shaft). There is no need to remove the outer clutch basket. Also Note: When removing the assembly from the input shaft, be sure to also remove the parts BEHIND the inner hub in order. If the assembly does not slide out smoothly, then carefully file the stock "stake mark" smooth without getting shavings into the engine!
8. The thrust washer (flat washer) may remain on the input shaft.
9. Flip the entire clutch assembly over on a flat surface. CAREFULLY remove the inner hub while allowing the clutch pack to remain intact, including the spring washer and seat (judder spring and base).



10. Remove the clutch lifter drive cam (back-torque limiter) and TWO of the THREE Wave Spring Washers (Belleville Springs). (TWO of the THREE Belleville Springs will no longer be required.)
11. Install Brocks Ultra-Mod[®] in place of the back-torque limiter with the remaining ONE Belleville Spring.
12. Install the inner hub and Ultra-Mod[®] assembly onto the input shaft. (The stake mark must be smooth on the shaft and/or threads. DO NOT FORCE!)
13. Install the flat washer, spring washer and nut. Torque to 68.5 lb-ft. (The glove and impact gun trick works here also.)
14. Inspect the inner hub for free spin. (If any abnormal drag is felt, STOP and try the assembly procedures again.)
15. Install the Brocks Performance Clutch Pack Spacer before re-installing the clutch pack assembly EXACTLY as it was removed. (Begin with Brock's spacer; add the stock flat washer and judder spring. If the judder spring continued to form a cone, the point of the cone would face TOWARDS the engine; next add the stock fiber with the larger hole then a steel plate.)
16. Continue with the assembly until the last fiber plate remains; ROTATE this fiber ONLY to align with the short slots in the outer basket.
17. Install the clutch pusher assembly.
18. Install the pressure plate. (The large spline must mesh with the slot on the inner hub.)
19. Install the clutch springs, cover/gasket. Torque all to 7.0 lb-ft.
20. Adjust Free Play ****AFTER EVERY 3-4 DEAD STOP LAUNCHES****- See Page 3.

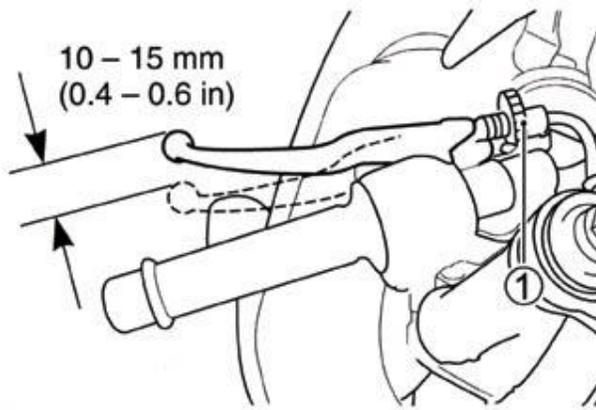
We invite you to visit www.brockperformance.com for additional or updated Installation Instructions. Also search our Information Forum for speed secrets pertaining to your machine.

Sales and Technical Assistance are available via telephone from 9:00 A.M. to 5:00 P.M. Eastern Time, Monday through Friday: (937)-424-5802. Contact advice@brockracing.com for e-mail support.

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2005 GSX-R1000 FREE PLAY ADJUSTMENT



CLUTCH ADJUSTMENT

Clutch cable play should be 10-15 mm (0.4-0.6 in) measured at the clutch lever end. Adjust clutch cable play according to the following procedure:

Minor Adjustment

Turn the clutch cable adjuster ① to provide the specified play.

Major Adjustment

1. Turn in the adjuster ① all the way.
2. Remove the cap from the right side engine cover.
3. Hold the clutch push piece ② and loosen the lock nut ③.
4. Hold the clutch push piece ② and turn in the adjuster ④ until it stops. Hold the clutch push piece ② and turn out the adjuster 1/2 turns.
5. Hold the clutch push piece ③ and tighten the lock nut.
6. Adjust the clutch cable play with the adjuster ①.

