

23513 Antihopping slipper clutch Ninja 400 RS Racing Solution – mounting instructions

Congratulation, you bought one of best clutch systems for your Ninja 400.

This operation must do an experienced racing workshop, or mechanic.

This clutch is designed for using five pcs. standart springs ZX6R cat.No. 92145-0486.

This clutch is designed for 1.6mm slim steel plates Kawasaki Cat.No. 13089-043.

This clutch is designed for TSS friction plates code 23519 ev. 23520

1. Read this instructions with photos before you start. Check if the set includes all parts.
2. Remount the old clutch hub (according Kawasaki workshop manual), clean thread on the main shaft and big nut from old glue with brake cleaner.
3. Put shim (STD) between basket and drum, when you remounted it. (pic.a)
4. Install premounted slipper drum. (pic.b)
5. Put STD steel washer .(pic.bb)
6. Fix big nut (STD) (pic. c) with torque 120 Nm (pic. d) and fix it with glue Loctite No. 620 or similar strong glue. (pic.e)
7. This slipper clutch is designed for using 6pcs. TSS clutch friction plates (23519 or 23520), and 5 pcs. 1,6mm steel plates. (pic.f). Because of unaccuracy of plates production it can happen, that this plates set up doesn't reach requested squish between hub and pressure plate. You reach correct squish with help of combination different clutch plates thickness. Never do a squish more than 1.1mm
8. Install push pin (STD) to push rod. (pic. g)
9. Install pressure plate. (pic. h). There is bit small axial squish between push rod and gearbox shaft from production. Check this after fixing pressure plate.
10. Put clutch springs , put spring kit-buckels , fix all with M5 bolts with torque 6 – 8 Nm. (pic.i) Check correct squish between pressure plate and clutch hub in bore in pressure plate. Correct clearance is ca. 1.0 mm. Minimal clearance is 0.6mm, in case it is smaller, change all friction plates , or adjust it with help of 2.0 and 2.3mm steel plates.
11. Everytime use new clutch cover gasket.
12. Mount case cover according to Kawasaki workshop manual.
13. Adjust clutch lever first, 3mm off from tightened adjuster. After adjust clutch cable on engine case. Especially by pro-rider due to increasing heat on clutch, the recommended free play on lever 1-2. During the fast ride it can increase to 3-4mm. After cool down again, the free play degreases again to 1-2mm.

Important catalog numbers

Clutch spring	Kawasaki	92145-0486
Steel plate 1.6mm	Kawasaki	13089-0043
Steel plate 2.0mm	Kawasaki	13089-0041
Steel plate 2,3mm	Kawasaki	13089-0044
Friction plate Racing compound	TSS	23519
Friction plate standart compound	TSS	23520
Friction plate Racing compound 3.0mm	TSS	23510

LIST OF PARTS

- 1 pc. clutch drum premounted
- 1 pc. pressure plate
- 5 pcs. spring buckels set
- 5 pcs. spring buckle set for more preload (more engine backtorque)
- 5 pcs. bolt M5