

24203C Antihopping clutch kit APRILIA RS660 - mounting instructions

Congratulation, you bought one of the best clutch systems for your RS660.

Everytime is necessary, to do this operation an experienced service, or experienced mechanic.

1. Read this instruction with photos before you start. Check if the kit includes all parts .
2. Remount the old clutch (according to Aprilia workshop manual), clean thread on the shaft from old glue perfectly. Clean this parts with brake cleaner.
3. Check, if the STD thick shim under clutch drum is in it's position (pic.a).
4. Premounted clutch hub unit install to gearbox shaft (pic.b).
5. The kit includes all small parts, they are necessary for assembly. They are packed in set in position how to mount them. Mount the spring shim at first (pic.c) and the OEM nut (pic.d). Nut torque moment 175 Nm, use glue Loctite No. 620 to safe (pic.e, f)
6. Install clutch plates and springs. This clutch is designed for OEM plates and kit springs (CBR600RR style). Caution with installing order of clutch plates !!! Some OEM plates have to be replaced by other OEM (RS 660) plates according to following chart (clutch plates to be replaced are on pic. g)

	OEM plates stack	TSSclutch plates stack
	crankcase	side
friction	1A018702	1A018702
steel	2A000929	2A000929
friction	1A010611	2A000927
steel	2A000929	2A000929
friction	2A000927	2A000927
steel	2A000929	2A000929
friction	2A000927	2A000927
steel	2A000929	2A000929
friction	2A000927	2A000927
steel	2A000929	2A000929
friction	2A000927	2A000927
steel	2A000929	2A000929
friction	2A000927	2A000927
steel	2A000929	2A000929
friction	1A018694	2A000927
steel	1A018695	2A000929
friction	1A018694	2A000927
	pressure plate side	

TO BE REPLACED
REPLACEMENT

Correct total thickness is to be ca. 44,3mm. Check the hub / pressure plates later, when complete clutch is assembled .

7. Remove pull rod from STD pressure plate and put to kit pressure plate. Mount the this pressure plate with pull-rod (pic.i). Install clutch springs with kit retainers and M5x 25mm kit bolts (torque 8 Nm) (pic.j, k)
8. Check the clearance between pressure plate and clutch hub in pressure plates hole. The correct clearance is for new clutch plates 0,9 – 1,2 mm. In case of smalle clearance, replace one friction plate **2A000927** with friction plate **1A010611** which increases the clearance by ca. 0,5mm

9. Minimum clearance for ride is 0,6mm. In case it is smaller, install all friction plates new. Note, that used (slimmer) friction plates produces less clutch spring preload, and less enging backtorque.
10. Install clutch cover according Aprilia workshop manual, adjust clutch cable and go back to track.

LIST OF PARTS IN SET

- 1 pc. clutch hub assembly
- 1 pc. presure plate
- 5 pcs. clutch spring
- 1 pc. spring washer
- 5 pcs. spring retainer basic
- 5 pcs. spring retainer for high preload
- 5 pcs. M5 x 25 bolt

TSS parts numbers

24203C	Slipper clutch Aprilia RS660 + springs set
24204	Pressure plate
16730	Clutch spring set
16706	Spring retainers set
16714	Spring retainers set + preload
16007	Washer d24