

# DUCATI 1299 PANIGALE SLIPPER CLUTCH WITH SPRINGS

21803 Slipper clutch kit 1199 Panigale - mounting instructions

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

This clutch should be installed by an experienced Ducati service center, or Ducati mechanic.

1. Check if the kit includes all parts
2. Remove the old clutch; clean all threads from old glue perfectly. Clean these parts with brake cleaner.
3. Remove steel and rubber insert from clutch cover first ( pic.a )
4. Check if the washer under hub is on its place ( pic. b )
5. Check, if the steel balls are in their pockets. Use two clutch springs and upside down mounted upper cups to pre-mount both parts of clutch hub together ( pic. c ).
6. This unit install to gearbox shaft ( pic. c ).
7. The kit includes all accessories, which are necessary to mount. Mount spring washer d 25.mm ( pic. d ), then spider-spring ( pic.e ), then the main nut ( pic. f ) . Torque moment 180 Nm, use glue Loctite No. 262 (RED) to secure ( pic. fa ) .
8. Remove the two springs with caps ( pic.g ).
9. Install clutch plates ( pic. i ) . Remove last steel plate from standard plates package and replace them with the steel plate from kit ( identical to other plates in package ) (pic.j)
10. Mount the pressure plate. Remove bearing and push rod from standard pressure plate and put them to KIT pressure plate ( pic. k,l,m ). Install KIT clutch springs with kit retainers and bolts, torque 8Nm. ( pic. n,o )
11. Check the clearance between pressure plate and clutch hub in pressure plates hole. The correct clearance is about 1,0 mm. In case, the clearance is less than 0.6mm, replace all friction plates.
12. Correct thickness of clutch plate package can be adjusted with the help of the 2.3mm steel plate included in the kit. Remove a 2.0mm steel plate and replace it with 2.3mm plate when necessary
13. Install clutch cover.
14. For increasing engine back torque you can use lower spring retainers for more spring preload, or 2-3 pcs. standard clutch spring with correct KIT spring retainers.

## LIST OF PARTS

- 1 pc. clutch drum lower side
- 1 pc. clutch drum upper side
- 1 pc. clutch basket
- 6 pcs. steel ball
- 1 pc. spring washer
- 1 pc. spider spring
- 1 pc. nut
- 6 pcs. spring retainer
- 6 pcs. spring retainer -0.5mm for more backtorque
- 6 pcs. spring retainer -1.0mm for even more backtorque
- 3 pcs. spring retainer for STD clutch springs
- 1 pc. steel plate 2.0mm
- 1 pc. steel plate 2.3mm