



Installations, Tips and Tricks

(Leaflet E003 – Updated 28.08.2008)

Installation procedure of the MPL slipper clutch for Aprilia Rotax V2

Disassembly of the stock clutch

1. Dismount the clutch cover
2. Disconnect the diaphragm from the fixing point and turn it lightly that's not fixed to the engine cover
3. Dismount the secure nut – therefore fix the clutch release rod with an allen key
4. Dismount the clutch springs
5. Dismount the pressure plate with the release rod
6. Dismount the clutch an friction-plates (friction plates can be taken out lightly with two small magnets, to pull out the clutch plates, use thin steel wire hooks)
7. Dismount the central nut (m32) therefore the hub must be fixed with a fixing tool against turning.
RSV from MY 04 or newer: the central nut must be heated on before unscrewed
8. Take away the hub maybe a steel washer comes out with the hub – this must be pulled back on the shaft.

Assembly of the MPL – slipper clutch

1. Preparation of the clutch hub - the balls pos. 17 are **lightly** moistened with grease and placed into the cavities of the adjusting plate pos. 7, then, the kernel pos. 12 is carefully put on so that the kernel can be easily turned clockwise on the balls.
2. To make the mounting easier two springs can be screwed to fix this package.
3. The complete unit is now placed on the shaft.
4. Now place positions 21 (spring disk)
5. Pos 22 has to be placed now – flat side to the outside.
6. Pos 9 (spider spring) – please pay attention to place it in the correct area inside the hub.
7. And finally nut 5 which you should glue in with a screw locking device and tighten with a torque of approx. 170 Nm. If you used two springs to fix the package, this can be dismounted now.
8. Concerning the clutch kit, you have steel plates and clutch plates. 9 of each have to be placed. First, a **clutch plate** is placed into the clutch. Then, a **steel plate** followed by a **clutch plate** and so on until there are no clutch plates left. Finally a steel plate has to be placed at the end of the package.
9. The push-rod, lightly greased in the area, where it touches the slave cylinder should be pushed in now.



10. Now, place the pressure plat pos 10 and push it against the clutch plate package.
11. The 6 springs, spring-plate and screws have to be mounted now.
12. The diaphragm has to be cut to get a seal ring gasket of approx. 10mm.
13. This gasket has to be placed on the fixing points clutch housing and all should be closed with the cover.
14. The under pressure tube must be taken of the clutch cover and closed carefully, the tube fitting at the clutch cover must be closed carefully also.

Have fun and a successful installation, yours MPL-Team!!!