



APPROVED



ROTAX MOJO MAX Challenge

Regulations 2009

Bulletin 4 20.08.2009 (changes underlined)

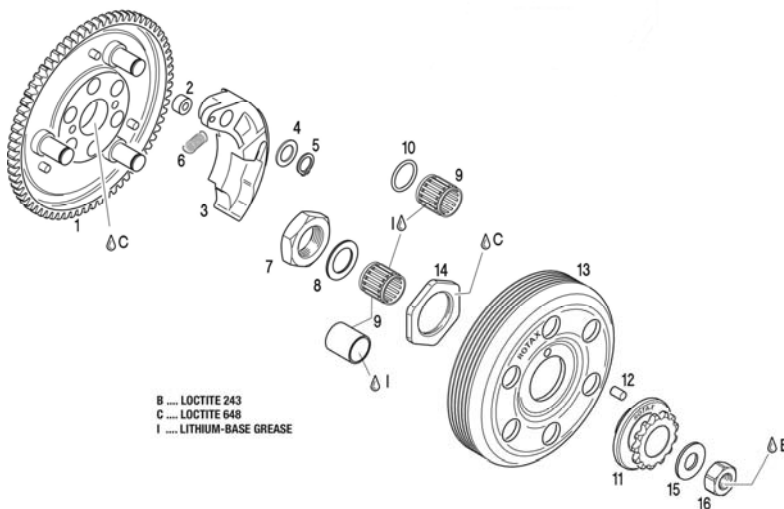
TECHNICAL REGULATIONS

125 MAX / JUNIOR MAX

Dry centrifugal clutch, engagement maximum at 3.000 r.p.m.

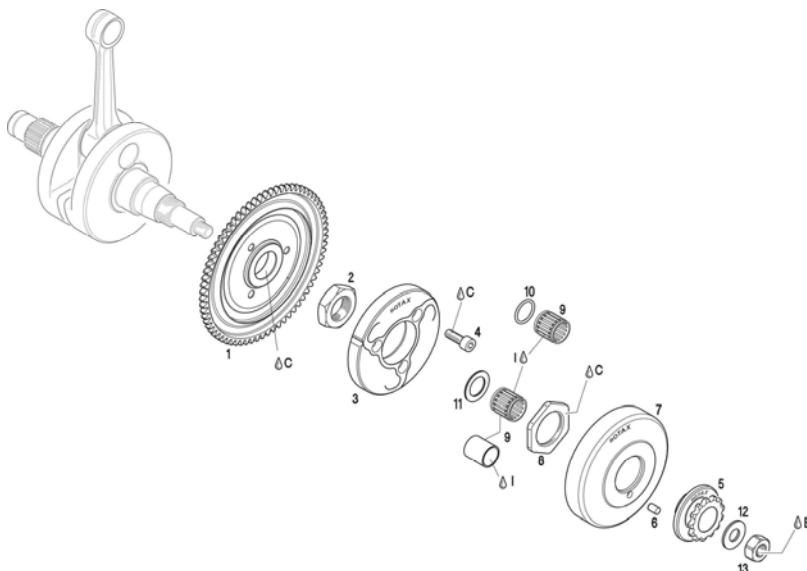
That means, that the kart (without driver) must start to move latest at an engine speed of maximum 3.000 r.p.m. This is valid for old as well as new type centrifugal clutch.

Old clutch version



New steel clutch version

Clutch element can be either untreated or nitrated configuration.



13.2

Engines with both old or new clutch must be fitted the new needle cage bearing 15X19X24 (item 9) as well as new O-Ring (10) only. Except if the plain bearing 15X17X20 (9) designed for 11teeth sprockets is used, in this case no O-ring must be used.

No extra lubrication or additional substance allowed inside the clutch drum additional to the grease that originates from lubrication of the needle cage bearing and enters the clutch area.



Picture shows worst case scenario in case grease exits the bearing area even O-Ring is installed.

Only fixation nut as well as inside of drum show signs of grease , running surface of clutch is completely dry.

In case Plain bearing for 11teeth sprocket is used clutch area must be absolutely free grease or any additional substance.

This rule is in force as of 20.8.2009 for Rotax Max challenge Grand finals 2009 only, for other race series and events it will be in force depending on the national regulations.

13.3

Steel clutch and clutch drum of new clutch version must be within following specifications.

13.3.1

Height of clutch



Minimum: 11,45 mm.

13.3.2

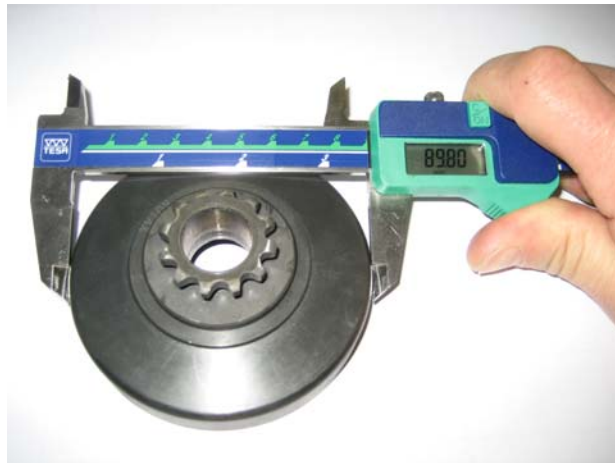
Thickness of clutch shoe



Measurement has to be done at the 3 open ends of the clutch shoes, 5 - 10 mm from the machined groove (all clutch shoes must be completely closed at measurement - no gap).
No measurement may be below 24,10 mm.

13.3.3

Outer diameter of clutch drum



Diameter has to be measured with a sliding caliper just beside the radius from the shoulder (not at the open end of the clutch drum).
Minimum diameter: 89,50 mm.

13.3.4

Inner diameter of clutch drum



The inner diameter has to be measured with a sliding calliper. The measurement has to be done in the middle of the clutch drum (in the contact area of the clutch drum).
Maximum diameter: 84,90 mm.

13.3.5

Height of sprocket with clutch drum assy.



Minimum height: 33,90 mm

TECHNICAL REGULATIONS

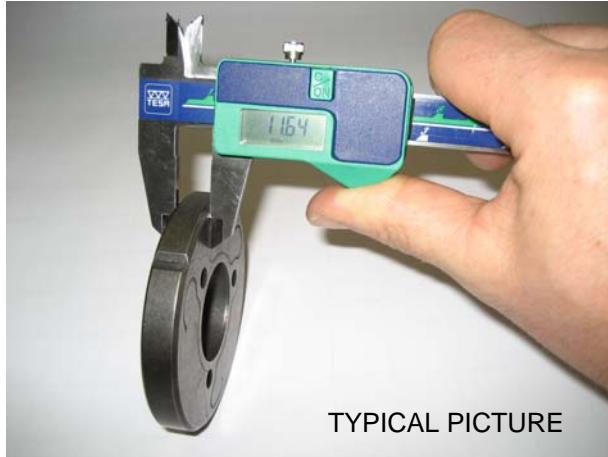
125 MAX DD2

13.3

Steel clutch and clutch drum of new clutch version must be within following specifications.

13.3.1

Height of clutch



Minimum: 14,45 mm.

13.3.2

Thickness of clutch shoe

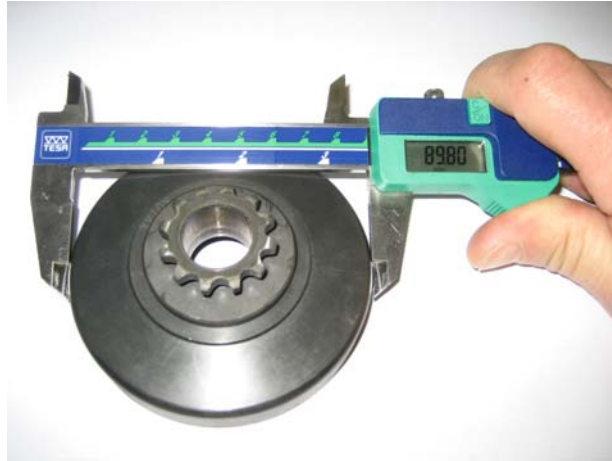


Measurement has to be done at the 3 open ends of the clutch shoes, 5 - 10 mm from the machined groove (all clutch shoes must be completely closed at measurement - no gap).

No measurement may be below 24,10 mm.

13.3.3

Outer diameter of clutch drum



Diameter has to be measured with a sliding calliper just beside the shoulder (not at the open end of the clutch drum).
Minimum diameter: 89,50 mm.

13.3.4

Inner diameter of clutch drum



The inner diameter has to be measured with a sliding caliper. The measurement has to be done in the middle of the clutch drum (in the contact area of the clutch drum).
Maximum diameter: 84,90 mm.

13.3.5

Height of sprocket with clutch drum assy.



Minimum height: 33,90 mm