

1.2. FRONT BEARINGS AND AXLE KIT ON THE COSMOS, KSYRIUM EQUIPE, CROSSLAND, CROSSMAX ENDURO, CROSSMAX ENDURO DISC, SPEEDCITY 05 AND COSMIC ELITE 05 WHEELS

Tools needed

- Multifunction tool (see description on page 46)
- 1 x 17 mm flat wrench
- 1 x 13 mm cone wrench
- 1 torque wrench equipped with a 17 mm socket
- Bearing pullers M40373 and M40119
- Loctite® 243 thread lock

REMOVING THE AXLE AND BEARINGS :

1. Start by removing one of the 2 fork-support nuts using a 17 mm flat wrench and 13 mm cone wrench.
2. Then completely loosen the expansible bearing support and remove the axle by pushing hard on it.
3. Repeat the operation described in point 1 to remove the other fork-support nut and expansible bearing support.
4. Drive out the bearings using the bearing pullers M40119 (long rod, see photo page 46).



MOUNTING THE AXLE AND BEARINGS

You must replace the expansible bearing supports every time you remove the axle, whether the bearings are replaced or not.

1. Mount the bearings using the bearing pullers M40373 ;
2. Tighten a new expansible bearing support on the side of the axle all the way.
3. Glue the smooth side of the fork-support nut, as well as its thread, using a Loctite® 243 type of thread lock, to guarantee that the hub is properly adjusted (no free play) ;
4. Put the fork-support nut in slot B of the multifunction tool, the grooved side towards side A of the tool. Make sure it is secure in its slot.
5. Put the axle on the tool and tighten it completely.
6. Loosen the expansible bearing support to place it against the fork-support nut.
7. Mount the axle on the hub (disc side for the Crossland and Crossmax Enduro Disc wheels) ;
8. Maintain the protective bearing hood in contact with it, and tighten the fork-support nut against the expansible bearing support, using the 13 mm flat wrench and 17 mm torque wrench, **20 Nm torque**.

From this moment, the axle should be held on the hub. The adjustment of the first bearing is done in this way.

9. Tighten the 2nd new expansible bearing support until it contacts the bearing, **and then loosen it one half turn**
10. Glue the smooth side of the fork-support nut as well as its thread using Loctite® 243 type of thread lock and tighten it on the axle until it contacts the expansible bearing support making sure you don't turn the axle or the expansible bearing support.
11. Tighten the fork-support nut and the expansible bearing support one against the other using the 13 mm flat wrench and 17 mm torque wrench to a **20 Nm torque**.

The bearings are adjusted automatically during this operation.

