

V4 ENGINE CHAIN TENSIONER DISTRIBUTION

Procedure to reduce the noise during the
starting of a hot engine

Function of the hydraulic chain tensioner

The correct function of the chain tensioner depends on hydraulic engine oil pressure, its position and how its fitted.

Image 1



Check of the gap of hydraulic chain tensioner function

With cold or hot engine is possible to check the gap of the rear chain tensioner, too much gap could be the cause of the metal noise on the engine for few seconds.



Image 2

How to check and fix the too much gap

Disassemble the rear distribution cover.

Disassemble the clutch cover and the complete clutch system, turn the engine until the distribution gear system is on the same position as on the image and block the distribution gear system. Mark with a paint the primary gear and counter shaft gear (images 3 and 4), now with the special tools part number 020855 push, as on the image 2, the rear chain slider and check that the gap isn't more than 2 mm.

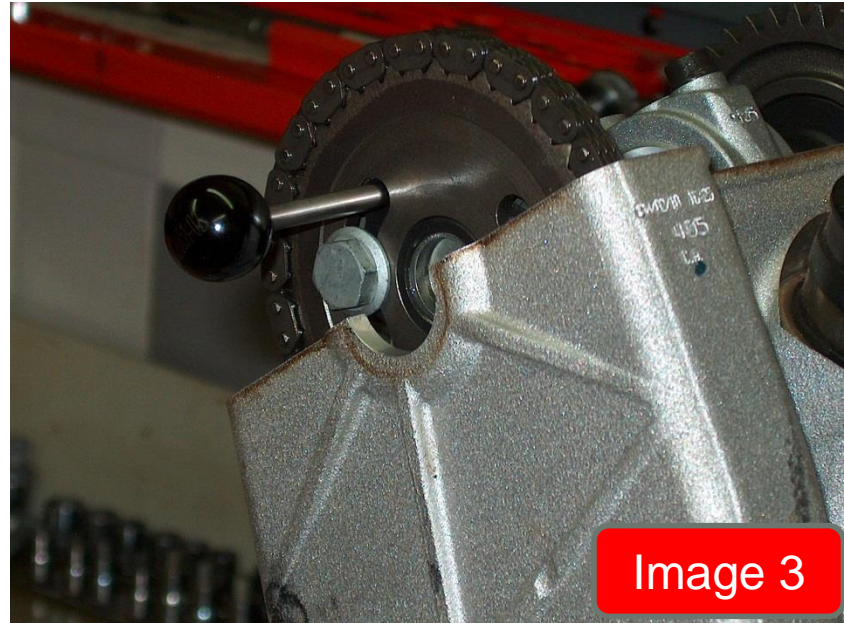


Image 3

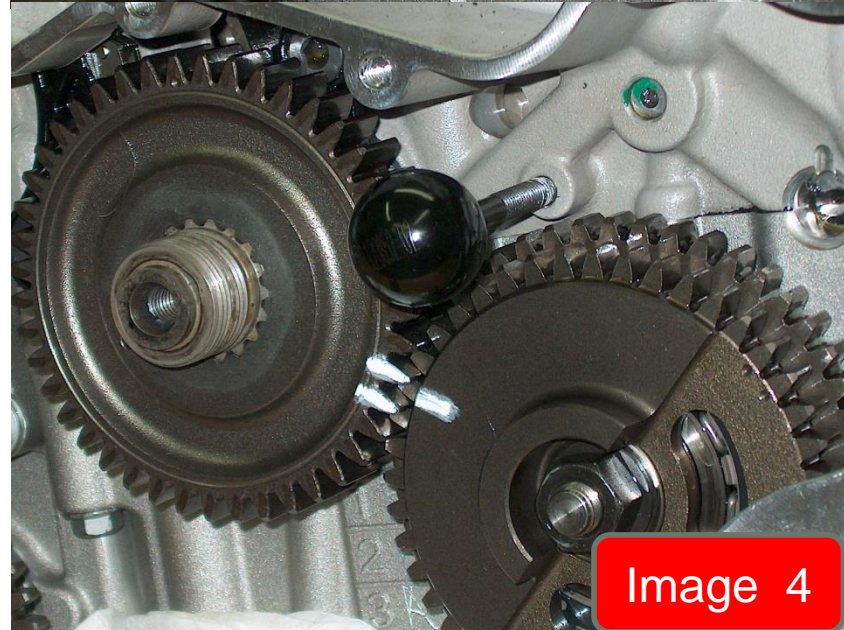


Image 4

***Unscrew the bolt
on the mobile
chain slider***

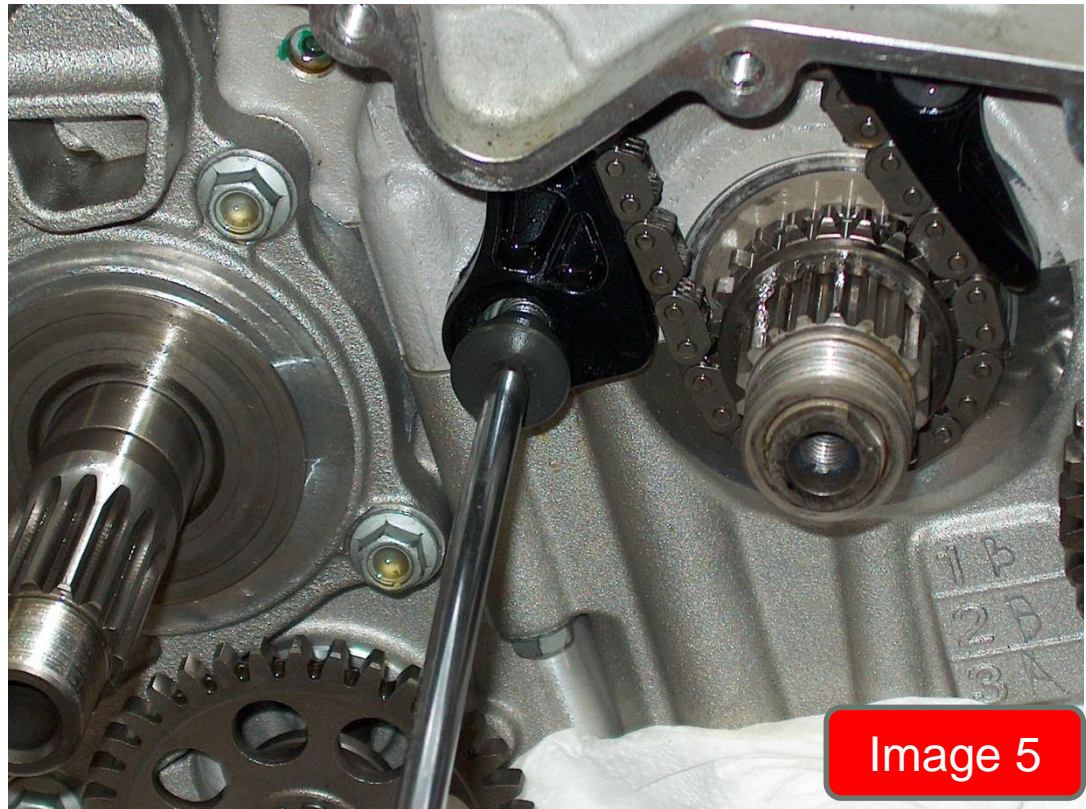
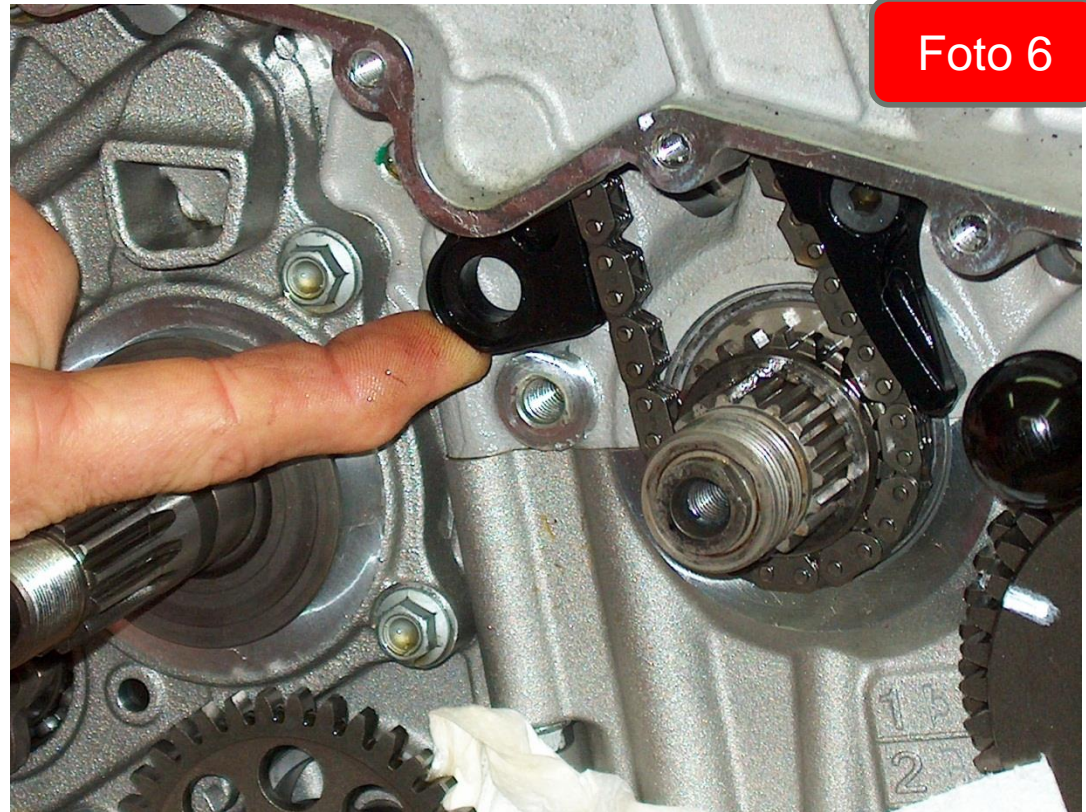


Image 5

Push up the chain slider, as on image 6, until it is on the maximum high position. This allows the hydraulic chain tensioner to move out one tooth, now you can tighten the mobile chain slider bolt.



Now check the gap, as on the image 7. If the chain tensioner has moved one tooth, the gap between the chain tensioner and the chain slider will be less than 1 mm and there will be almost no movement when pushing.

