Removal and Installation of Chain Tightener OM 621

Job No. 05–21

Change: Second paragraph of item 3 added

The OM 621 features a self-bleeding chain tightener, ensuring that air bubbles can escape via a small longitudinal groove, so that the chain tightener is always well bled which results in favourable characteristics regarding chain noises (see Figure 05–22/1).

Removal:

1. Remove the cylinder head cover (see page 01–3/7).

2. Loosen the two mounting nuts of the chain tightener, pull out chain tightener and remove the gasket.

Check chain tightener (see Job No. 05–22).

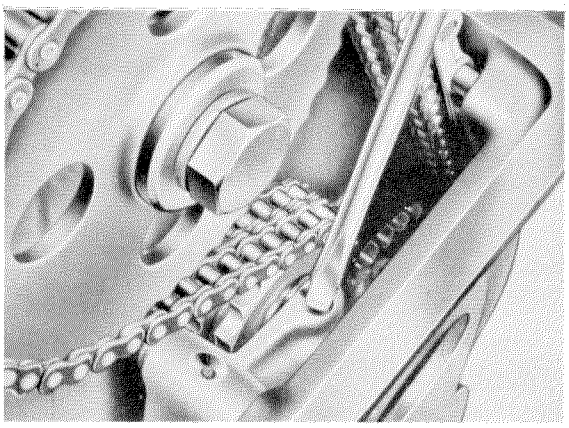

Figure 05–21/1

Installation:

3. Place on a new gasket, insert the chain tightener and uniformly tighten the mounting nuts.

   As of late the flange gasket has been replaced by a rubber sealing ring to prevent any warping of the chain tightener housing which would lead to jamming and sticking of chain tightener. However, the rubber sealing ring can be used only with the new chain tighteners having a machined groove (refer to Fig. 05–21/2).

Note: Install the chain tightener without oil filling, because otherwise the housing may be distorted when tightening the nuts.

Bleeding:

4. Fill the oil pocket in the cylinder head with motor oil. Use a bleeder lever part No. 187 589 02 63, in emergencies a screw driver to press the idler sprocket support to the stop (see Figure 05–21/1).

   Now move the lever or screw driver slowly back, refilling oil so that the oil pocket is filled and the chain tightener cannot draw in air. Repeat this, until no more air bubbles show up at the chain tightener. If faultlessly bled, the chain tightener shows no free travel; all the way it requires high effort to compress it.

5. Install the cylinder head cover (see page 01–3/10).

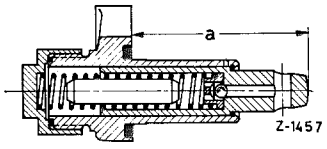

Figure 05–21/2