

# Replacement of Chain Tensioner

Types 220 and 220a

## Procedure:

1. Loosen vent line at cylinder head cover as well as air filter. Unscrew cylinder head cover and remove all parts.  
In Type 220 the radiator stay must be removed first.
2. Unscrew chain tensioner fastening nuts and take off chain tensioner with gasket.  
Be careful! The oil in the oil pocket will flow out.
3. Fill new chain tensioner in a vessel containing engine oil. Pump until no more air bubbles appear and chain tensioner can only be compressed very slowly and by exerting considerable force (Fig. M 73a/3).
4. Install chain tensioner. Press against point A until flange contacts the cylinder head, then tighten flange. Do not forget sealing ring.
5. Fill oil pocket in cylinder head, in which chain tensioner is accommodated, with engine oil.  
As some oil will be lost during installation of chain tensioner, the tensioner must again be vented. This is done by pressing idler gear support down and allowing it to return until it is very difficult to depress the support (Fig. M 73a/5).

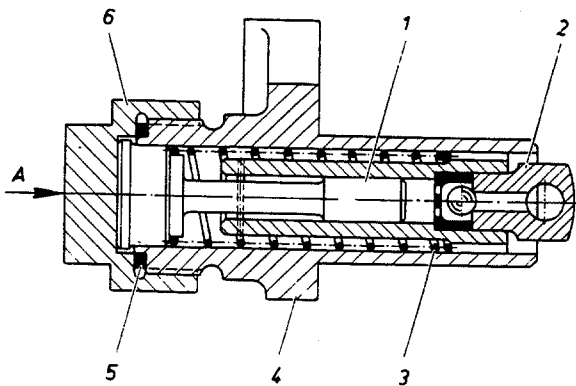


Fig. M 73a/3

- |   |                   |
|---|-------------------|
| 1 Thrust bolt   | 3 Pressure spring |
| 2 Thrust piece with head, ball cage, ball and cylindrical pin | 4 Housing         |
|   | 5 Sealing ring    |
|   | 6 Hinged cover    |

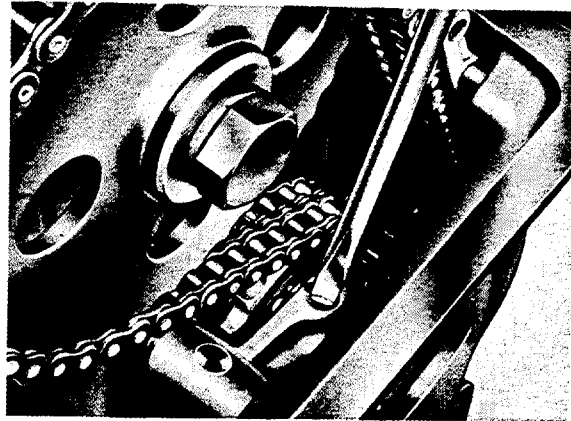


Fig. M 73a/5

6. Reinstall cylinder head cover and all the other parts.