

Tightening Torques in kpm

Hex. bolt for fastening cylinder head cover	0.5
Hex. bolt for fastening chain tensioner to cylinder head	2.5

Note

The chain tensioner is connected to the engine oil circuit. Venting occurs at the moment when the oil pressure in the lubrication system has been established and the chain tensioner is filled with oil.

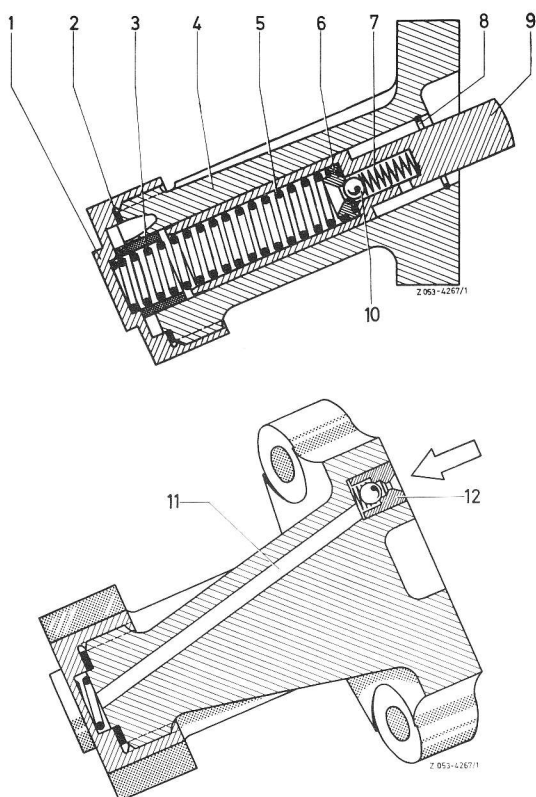


Fig. 1

- | | |
|----------------------|----------------------|
| 1 Closing nut | 7 Compression spring |
| 2 Sealing ring | 8 Circlip |
| 3 Stop sleeve | 9 Thrust bolt |
| 4 Housing | 10 Ball |
| 5 Compression spring | 11 Oil feed bore |
| 6 Valve disc | 12 Check valve |

Removal

Model 116.982 and 117.982

- 1 Remove righthand cylinder head cover.
- 2 Loosen both fastening bolts (94) and remove chain tensioner, while pushing cable holder aside (Fig. 2).

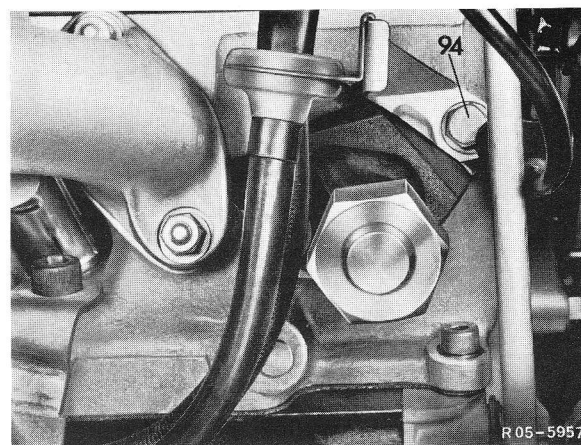


Fig. 2

94 Fastening bolt

Model 116.980/981 and 117.981/984

- 1 Disconnect battery.
- 2 Remove righthand cylinder head cover.
- 3 Remove alternator.
- 4 Unscrew holder of righthand engine damper on frame.
- 5 On engine 116.981 and 117.981, unscrew strut to air presser top.
- 6 Unscrew both bolts (94) on chain tensioner and lower bolts (41) on face of holder (40) for engine damper (Fig. 3).

05.1 Removal, Installation and Inspection of Chain Tensioner

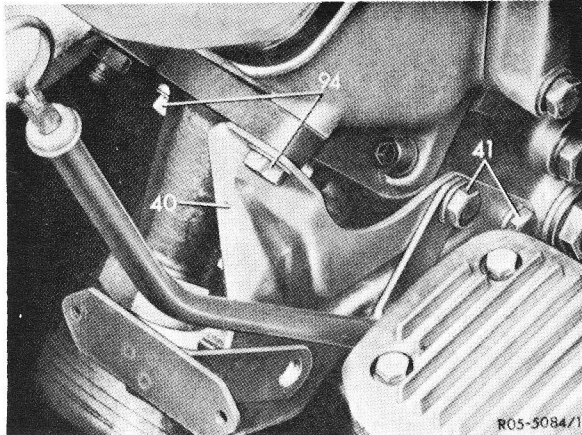


Fig. 3

40 Holder for engine damper 94 Fastening bolts
41 Fastening bolts

7 Push holder (40) downwards; cant chain tensioner and remove.

Inspection

8 Place chain tensioner into a vessel filled with engine oil. The chain tensioner should rest vertically in downward direction in oil at least up to flange.

Actuation of the thrust bolt (9) will fill the chain tensioner with oil coupled with a simultaneous venting job (Fig. 1).

Upon filling and venting, compression of the chain tensioner should be possible only very slowly, uniformly and under considerable exertion.

Rejected chain tensioners are suitably exchanged as a complete assembly.

Installation

9 Place new gasket between chain tensioner and crankcase.

10 Position chain tensioner and tighten uniformly by means of the two bolts.

11 During the tightening, check whether the thrust bolt of the chain tensioner rests on the lug of the tensioning rail.

12 For further installation proceed similar to removal.

13 Rung engine. Check chain tensioner and cylinder head cover for leaks.