



*professional*

## Chain Tensioner

to fit  
Mercedes-Benz M271 engines



**SWAG No. 10 92 6751**  
OE No. 271 050 06 11

### PROBLEM

Rattling noises may occur in the area of the chain drive under certain operating conditions even though the chain tensioner and timing chain have been properly refitted.

### CAUSE

The manufacturer has modified the design of the chain tensioner. The version of the chain tensioner originally fitted (Repl. no. 271 050 04 11) has a non-return valve. In the new modified version (Repl. no. 271 050 06 11, the non-return valve has been removed (see Fig. 1).

The chain tensioner is screwed into the bracket which incorporates a non-return valve (see Fig. 2). This valve controls the volume of oil so that the piston of the chain tensioner is constantly supported by the oil pressure should the oil pressure fluctuate.

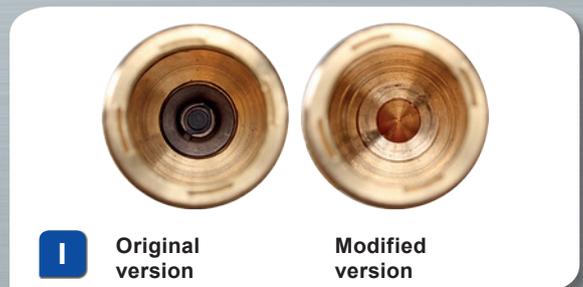
If the non-return valve in the bracket does not work correctly, the oil is always able to flow back again. As a result, the chain tensioner cannot tension the chain correctly even though the chain tensioner has been refitted. This can lead to engine damage, especially when starting up and under heavy load.

### SOLUTION

To prevent the problem described above, SWAG recommends that the bracket be replaced as well when the chain tensioner is exchanged for the new version. SWAG offers two kits (SWAG 10 94 0953 and SWAG 10 94 0954) which include the bracket with integrated nonreturn valve.

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1

Original version

Modified version



2



**SWAG No. 10 94 0953**



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