

**To fit:**

Mercedes-Benz A-Class (W169) A150, A160, A180, A200. B-Class (W245) B150, B160, B170, B180, B200

**Engine:**

M266-920, M266-940, M266-960, M266-980



## Tensioner, timing chain

**Problem**

A rattling noise can be heard coming from the front of the car for a short period of time after starting the engine from cold.

It can also be difficult to start the engine when it is at operating temperature, with the rattle also present.

No fault codes are stored in the engine control unit and the engine warning lamp is not illuminated.

**Cause**

Over time the spring inside the tensioner wears, losing its tension. The rate of wear is increased if the vehicle is using incorrect engine oil as this leads to the build-up of carbon particles. This accumulation of particles restricts the flow of air into the tensioner and damages the seal of the piston, resulting in a loss of pressure/tension.

**Solution**

First, check that cylinder compression is within the manufacture's tolerance to confirm the engine is in good order.

The timing chain tensioner is located on the right-hand side of the cylinder head, secured with 2 x M6 bolts.

Remove the bolts and the old tensioner assembly. Clean the gasket mating surface on the cylinder head and install the new tensioner using the bolts provided in the kit; tightening them to 8 Nm torque.

Replacing the tensioner assembly may reduce or eliminate the noise, however, febi recommends that the timing chain and guides are inspected and also replaced if necessary for a complete repair.

It is also recommended to fit a new engine oil filter and replace the oil with the correct type at the same time.

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