



professional

Belt tensioner

for
Mercedes Benz CDI engines
ref. no. 611 200 04 70



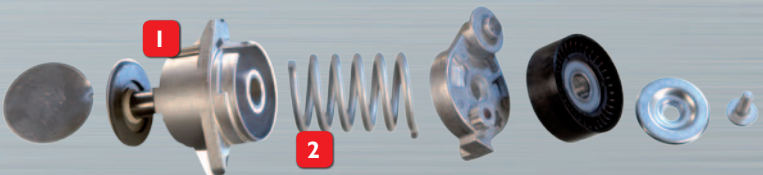
PROBLEM

For design reasons, when the vehicle is driven with the original version of the belt tensioner installed (ref. no. 611 200 04 70), noise may occur. (The manufacturer has now replaced this version.)

CAUSE

The noise is generated because the spring is too long and makes direct contact with the base of the housing (1). Only the spring's torsional characteristics are important for this application (2), (6).

The noise is caused when the spring touches the cast-in hollow pin (3) and the base of the housing (4).



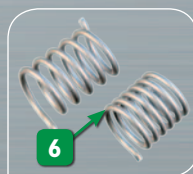
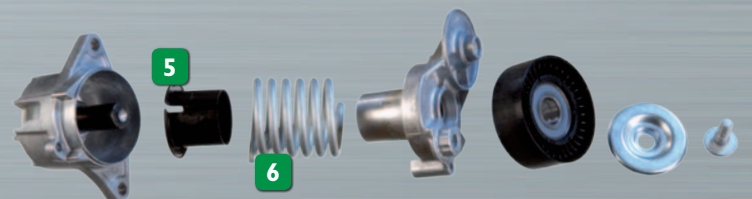
ref. no. 611 200 04 70

SOLUTION

SWAG supplies the belt tensioner SWAG no. 10 92 6775 (ref. no. 646 200 02 70) for the free aftermarket.

A highly wear-resistant plastic bushing (5) distance the spring from the base of the housing and prevents metal-to-metal contact where the spring is located. Since only the springs's torsional characteristics are important the height has been reduced (6).

The spring makes contact with the plastic bushing (7) and is therefore prevented from touching the base of the housing. No noise can therefore occur. In the new version (8), a steel pin has been cast in the base of the housing in order to center the spring.



SWAG no. 10 92 6775

ref. no. 646 200 02 70