

Hydraulic tensioning unit for poly-V belt drive

Technical info no. 1608

Applies to make/model:

Audi, Škoda, VW

Applies to engines:

1.9 TDI engines from 1996 onward, engine codes:
ATD, AXR, AVB, AJM, ATJ, AUJ, ASZ, AVF, AWX

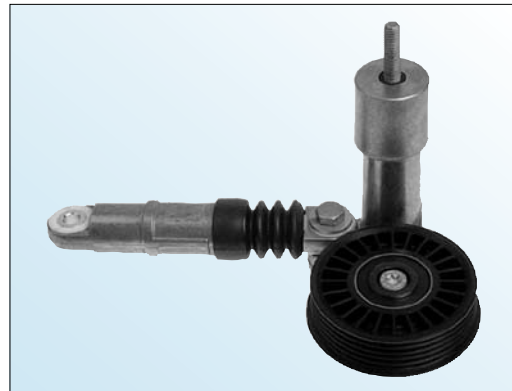
The hydraulic belt tensioning unit consists of a tension roller, a shield plate and a hydraulic belt tensioner.

Professional disassembly of the belt tensioning unit while it is installed is impossible due to insufficient installation space. Some force needs to be applied to remove and reinstall the fastening screws securing the individual parts. This can damage the deep-groove ball bearing of the new tension roller. The fastening screw of the new hydraulic belt tensioner is deformed which results in heavy operation of the complete tensioning unit. The mounting threads can be damaged causing the bolted connection to become loose during operation. The described damage frequently results in the total failure of the accessory drive.

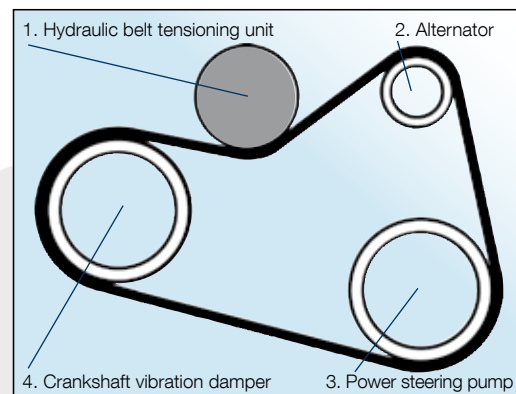
For this reason, we recommend that the complete belt tensioning unit be replaced when servicing the accessory drive.

Tension roller, shield plate and hydraulic belt tensioner constitute a functional unit. If one part fails, higher load is applied on the remaining system components. Failure to replace a part which has been subjected to high stress is likely to cause premature failure of the complete unit and eventually of all front-end accessories. For this reason it is strongly recommended to always replace the complete unit.

Though the vehicle manufacturer offers all individual parts to be purchased separately, the company explicitly recommends that all parts be replaced at the same time.



Complete belt tensioning unit



RUVILLE offers the individual components as complete tensioning unit, thereby reducing installation costs to a minimum.

To prevent failure of the accessory drive, RUVILLE recommends that the hydraulic belt tensioning unit be replaced at least every 90,000 km, but no later than every 100,000 km.

The poly-V belt should be also replaced. The RUVILLE belt drive repair kit 5548080 supplies the requisite parts in one package.

The corresponding spare parts can be found in our online catalogue at www.ruville.de