



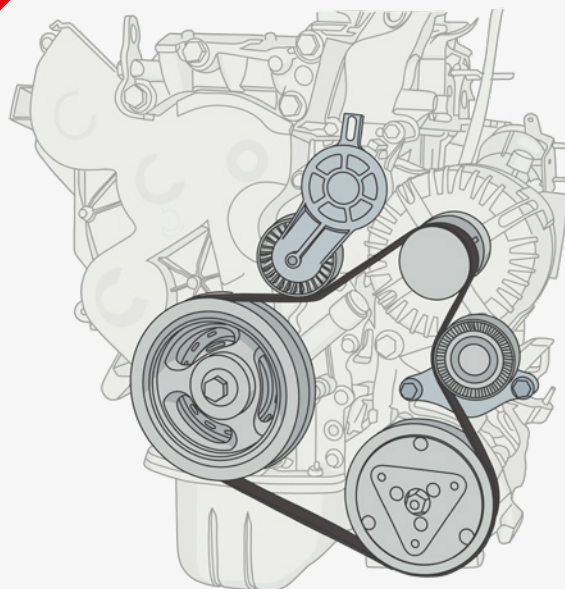
febi 170033, 39400, 39410, 34336



to fit:

Various Peugeot, Citroen and DS models, fitted with DV4 and DV6 engines with start- stop function

EN



Auxiliary Belt Kit

Problem

The auxiliary belt system is monitored for wear by the engine control unit for consistency between the engine speed and the alternator speed. The control unit informs the driver if there are any potential faults with this system and fault codes are logged. Wear in the system is accelerated by worn belt tensioners and therefore leads to premature belt failure.

Possible fault codes stored:

P1382 or P16AB Auxiliary drive belt: Fault in consistency between the engine speed and the alternator speed.

P1383 Auxiliary drive belt: Break imminent.

Cause

The eHdi engines listed above are fitted with a start/stop micro-hybrid system with an integrated starter alternator, known as a reversible alternator. The function of this unit is an alternator and is also used as a starter motor under certain conditions. The auxiliary belt system has two conventional tensioners fitted, this is to maintain the tension on the belt as it rotates. The belt tension changes, depending on the reversible alternator operation and whether it is in charging or starting mode. This puts stress on the auxiliary belt and tensioners during stop/start conditions.

Solution

The auxiliary belt is a recommended vehicle manufacture service item and should be replaced at regular intervals subject to the vehicle's condition of use. During the belt replacement, worn belt tensioners should be also replaced so as to avoid premature belt failure.

When the auxiliary drive belt and tensioners have been replaced, clear any fault codes logged and initialise the auxiliary drive belt wear counter; using a diagnostic tool.

For more technical information please visit: partsfinder.bilsteingroup.com