



TECHNICAL FOCUS

SKODA OCTAVIA 2.0 TDI TIMING BELT KIT INSTALLATION

Dayco Kit KTBWP5630

The 2.0-litre TDI diesel engine used in the Octavia, features a timing belt driven water pump. As replacing the belt also requires the auxiliary drive system to be removed, Dayco recommend that all the systems' components - primary drive and auxiliary drive - be replaced at the same time.

This step-by-step technical guide will help technicians through the process, to avoid complications and ensure a first-rate job.

As with all primary drive system jobs, the work should be undertaken when the engine is cold, so ideally the vehicle will not have been run for at least four hours.

Remove the plastic cover to reveal the engine, followed by the mudguard moulding under the right hand wheel arch, which will allow access to the auxiliary drive system, then remove the tensioner and auxiliary belt.

Remove the tie rod beneath the engine and then the crankshaft, or TVD, pulley in order to remove the lower and central timing belt covers. Then from the top of the engine move the differential pressure sensor of the FAP with its bracket and the electric fuel pump with its bracket, followed by the fuel filter and cooling circuit tank, to be able to then remove the top timing belt cover.

Remove the lower bolt of the engine mounting bracket flange, correctly support the engine and then remove the upper right engine mounting bracket, followed by the bracket flange.

Rotate the crankshaft clockwise to match the timing reference marks on the pulley and lock the pulley in place using Dayco tool T10050 (**figure 1**). Insert Dayco tool 3359 into the camshaft pulley and a second into the fuel injection pump pulley and loosen both pulleys. After loosening the bolt of the tensioner, rotate the tensioner and remove the upper idler in order to remove the timing belt and then, remove the tensioner.





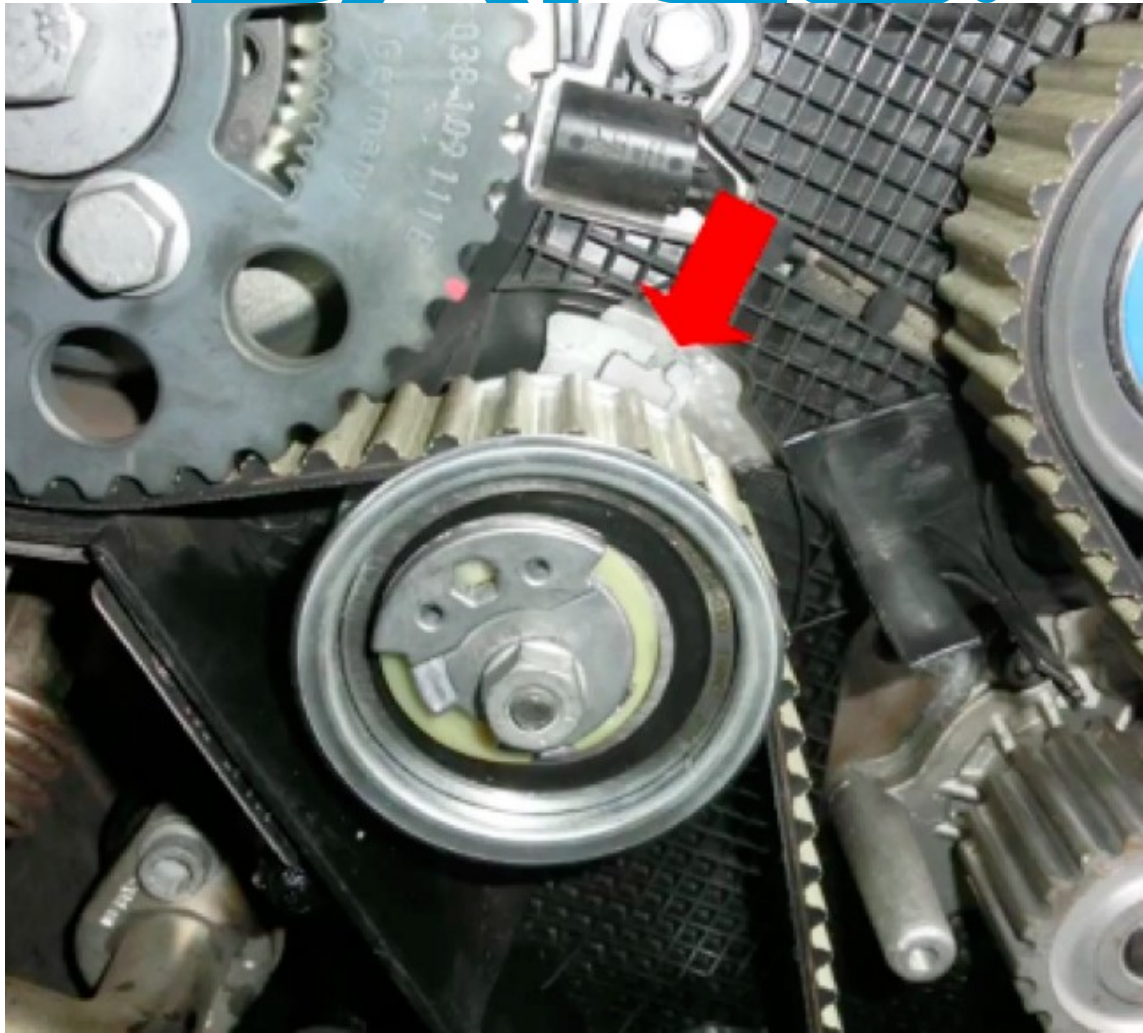
Remove and replace the belt tensioner stud with the new one supplied with the Dayco timing belt kit **KTBWP5630**, along with the lower and central idlers with nut and bolt respectively.

Remove the water pump from the casting and after flushing the system and ensuring the mating surfaces are clean, soap the O-ring and install the new water pump from the Dayco timing belt kit.

Install the new belt tensioner and nut, but make sure that the tab is inserted into the slot in the housing as shown **(figure 2)**. Then, after rotating both the camshaft and fuel injection pump pulleys clockwise, install the new Dayco HT (High Tenacity) timing belt, followed by the replacement top idler and bolt from the kit.



Rotate the belt tensioner with its position index inside the space in the back plate as shown **(figure 3)** and tighten to $20\text{Nm} + 45^\circ$.



Then tighten the camshaft pulley bolts to $20\text{Nm} + 45^\circ$ and the fuel injection pump bolts to $20\text{Nm} + 90^\circ$ **(figure 4)**.



Remove all the timing tools and rotate the engine clockwise several turns to ensure that it is



correctly timed and that the belt tensioner index is still in the space of the backing plate as shown previously.

Remove the alternator pulley bolt and replace the pulley with Dayco **ALP2395** and using a 13mm ball-end Allen key, remove the bolt at the back of the auxiliary belt tensioner located under the rear side of the alternator and replace the tensioner with Dayco **APV2511**.

After replacing the timing belt covers and other previously removed components, replace the crankshaft pulley with Dayco **DPV1123** and tighten the bolts to 10Nm + 90° . Finally replace the auxiliary belt with Dayco **6PK1070**.

To view this installation, or any other Dayco technical video, visit www.daycoaftermarket.com and click on Dayco TV.

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