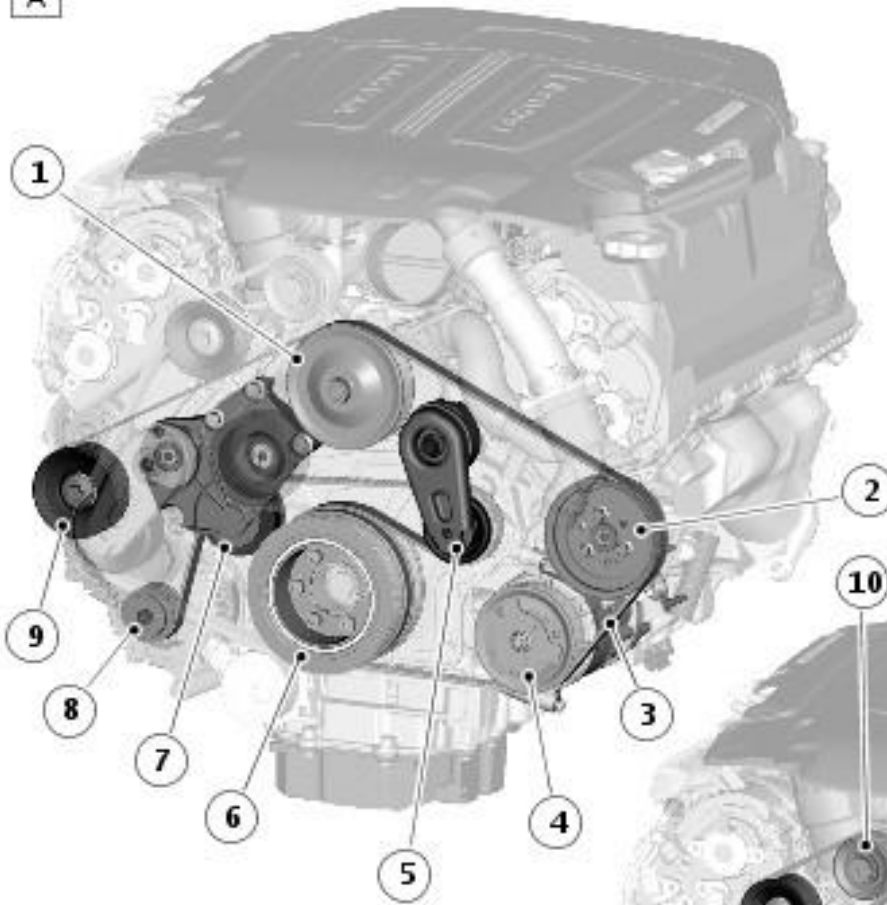


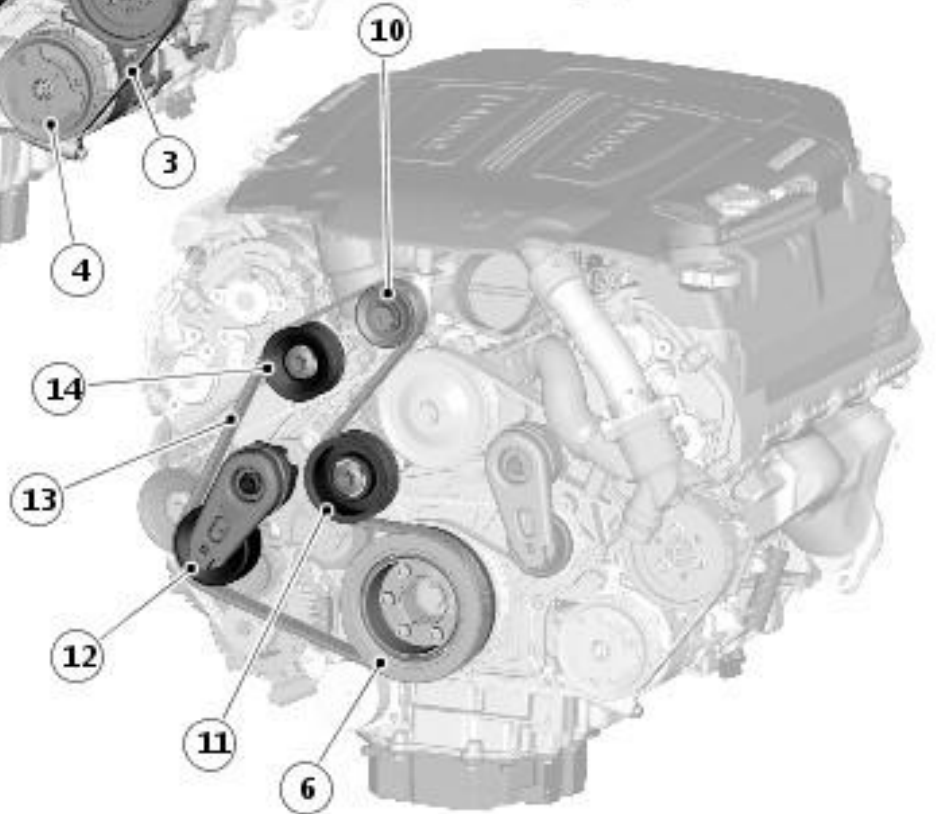
2012 Jaguar XF

ENGINE Accessory Drive (V8 S/C 5.0L Petrol)

A



B



E107359

Item Number	Description
A	Primary accessory drive
B	Secondary accessory drive
1	Coolant pump
2	Power steering pump

2012 Jaguar XF

ENGINE Accessory Drive (V8 S/C 5.0L Petrol)

3	Primary drive belt
4	A/C (air conditioning) compressor
5	Belt tensioner
6	Crankshaft pulley/torsional vibration damper
7	Idler pulley
8	Generator
9	Idler pulley
10	Supercharger
11	Idler pulley
12	Belt tensioner
13	Secondary drive belt
14	Idler pulley

OVERVIEW

The accessory drive is a belt system powered by a pulley attached to the front of the crankshaft. The crankshaft pulley, which incorporates a torsional vibration damper, drives two drive belts. An automatic belt tensioner in each belt run maintains the drive belt at the correct tension. Together with idler pulleys, the belt tensioners also guide the drive belts clear of obstructions and set the correct 'wrap-around' of the accessory component drive pulleys to ensure a slip-free drive.

PRIMARY DRIVE BELT

The primary drive belt is a six-ribbed poly-V belt that drives the:

- Coolant pump
- Power steering pump
- Air conditioning (A/C) compressor
- Generator.

SECONDARY DRIVE BELT

The secondary drive belt is an eight-ribbed poly-V belt that drives the supercharger (SC).

BELT TENSIONERS

Each belt tensioner consists of an idler pulley on the end of a spring loaded pivot arm. The pivot arms can be turned manually for removal and installation of the drive belts.

Each belt tensioners is calibrated to automatically maintain the correct tension in the related drive belt.

REMOVAL AND INSTALLATION

ACCESSORY DRIVE BELT