



Tensioner, Timing belt J1140337

Attention to correct installation of the belt tensioner

Know+How



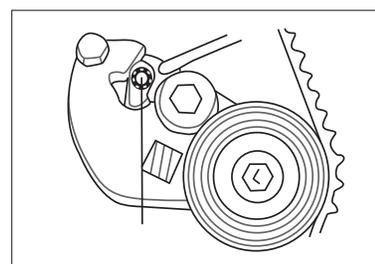
Problem: Belt tensioner failure causes engine damage

Introduction: The purpose of the belt tensioner is to keep the timing belt tensioned, i.e. at a uniform level, to minimise transmission loss in engine management. The timing belt material is subject to mechanical wear and the hydrated nitrile rubber ages even when not in operation. Added to this is contamination caused by oil leakage, oil vapours and the effects of temperature. Virtually loss-free transmission is no longer guaranteed if the belt tensioner does not keep the V-belt or timing belt at the specified level of tension. Failure of a belt tensioner can result in engine damage.



Cause: Failure of belt tensioner J1140337 on account of inexpert installation

A timing belt has to be replaced at regular intervals as specified by the manufacturer. If this is not done, the belt will tear or the teeth will shear off. As a result, the camshaft comes to a halt, valves are open, the crankshaft continues to turn as it is driven by the flywheel and the pistons ram into the valves – major engine damage. This is not a consequence of material wear but rather of incorrect or poor installation of the belt tensioner J1140337 and non-observance of the fitting instructions.



Solution: Greatest possible attention to correct installation of the belt tensioner J1140337

To counteract this increasing trend we are enclosing detailed installation instructions with the tensioner (J1140337), the timing belt kit (J1110321) and the water pump+timing belt kit (J1100302). Observance of the installation instructions given guarantees proper operation of the belt tensioner. Conversely, non-observance of these instructions releases us from our warranty obligation. If the water pump is driven by way of the timing belt, the pump should be replaced at the same time, as practice has repeatedly shown that it cannot withstand the new belt tension for very long. Such work should be left to professional workshop personnel.