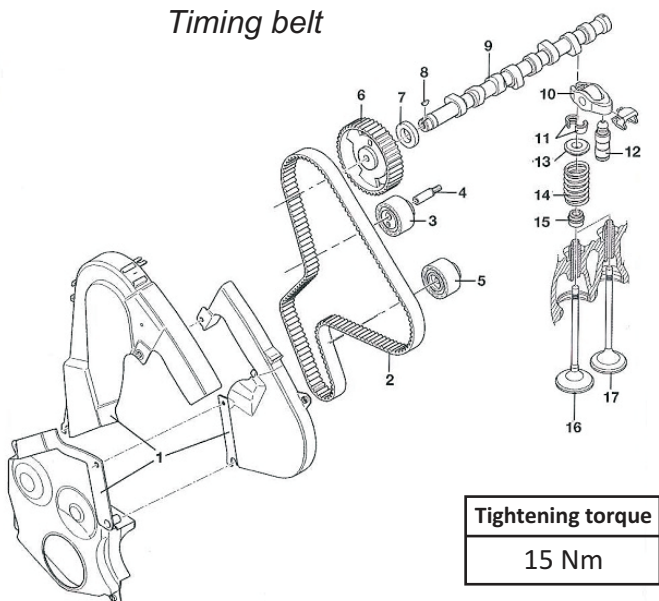


TECHNICAL INFORMATION SHEET

PART NUMBER: 1580R

Citroën Berlingo - 2.0 HDi engine (RHY)

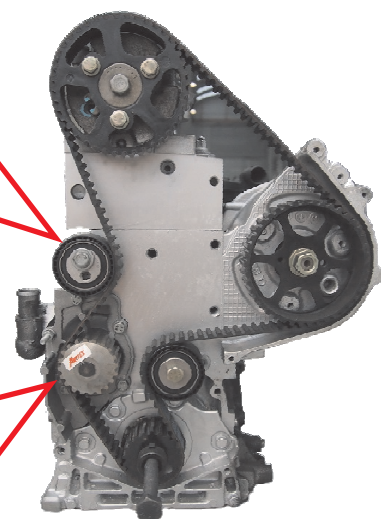
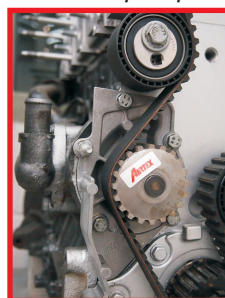
Timing belt



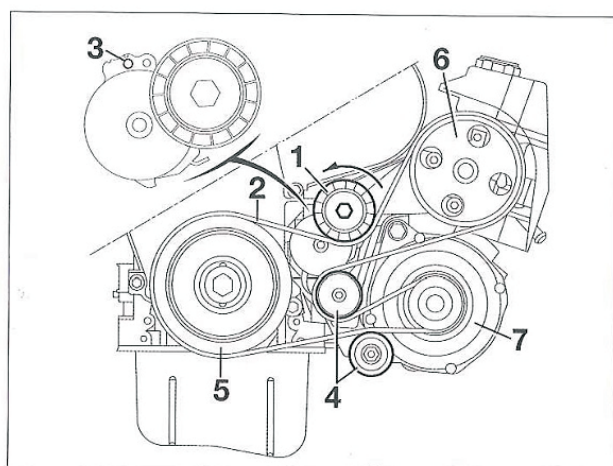
Tensioner



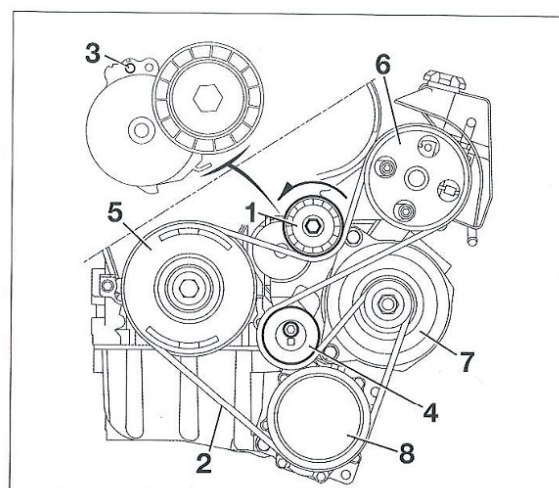
Water pump



Auxiliary belt (without air conditioning)



Auxiliary belt (with air conditioning)



Timing belt and Water pump Change

Replacement interval: every 160.000 km (120.000 km with intensive use of the vehicle) or 10 years.

Specific tools:

- Lock pin (ø 8 mm) for the engine flywheel [FIG. 1] (8).
- Lock pin (ø 8 mm) for the camshaft pulley [FIG. 1] (9).
- Lock pin (ø 2 mm) for the crankshaft pulley.
- Square key (7 mm) for the tensioner [FIG. 1] (12).

TECHNICAL INFORMATION SHEET

Disassembly

The first steps, the most common for vehicles, are to disconnect the battery and dismount all necessary components to gain access to timing belt, for example, the right front wheel, wheel arch, auxiliary belt, crankshaft pulley, motor bracket, plastic covers,...

Each vehicle may have fewer or more components to dismount, which are specified in the vehicle repair manuals.

- 1 The next step is to drain the cooling circuit and turn the crankshaft until cylinder n°1 is positioned at TDC. Then, mount the lock pins for the engine flywheel and the camshaft [FIG. 1] (8 and 9).
- 2 Loosen the tensioner nut [FIG. 1] (10) and remove the timing belt and the water pump.

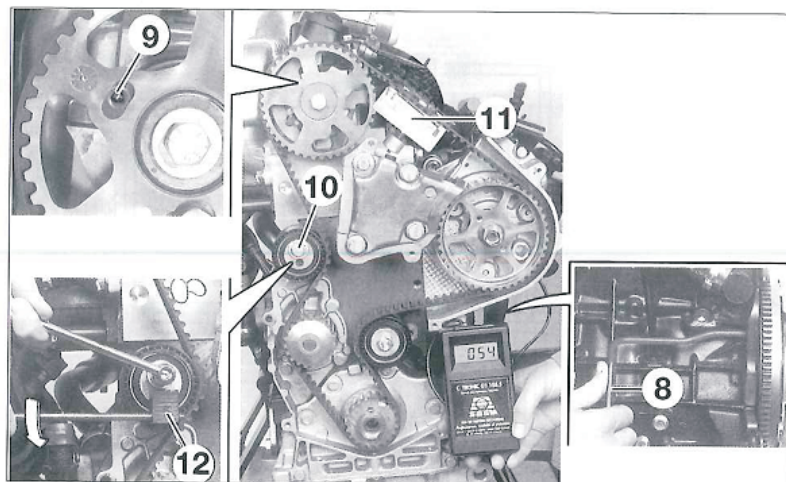
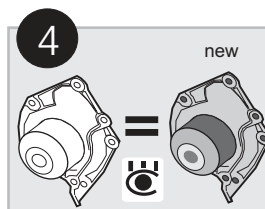


FIG. 1

AIRTEX. RECOMMENDS:

- 3 Clean the coolant circuit and replace all belt drive components.



Assembly

- 1 Place the lock pin for the crankshaft.
- 2 Fit the timing belt starting at camshaft pulley and place the tensiometer for timing belt as show in the figure [FIG. 1] (11).
- 3 Dismount the specific tools and rotate the tensioner counterclockwise until the tensiometer reads 98 ± 2 SEEM units of measure. Then, tighten the tensioner nut.
- 4 Dismount the tensiometer and rotate the crankshaft turning it 4 times. After, mount the specific tools to check the correct assembly and repeat the previous step until the tensiometer reads 54 ± 3 SEEM units of measure.
- 5 Proceed with the rest of the assembly.

AIRTEX. RECOMMENDS:

PLEASE NOTE: Fill up the coolant circuit with a suitable coolant and antifreeze before switching on the engine.

