

## REMOVING - REFITTING : COOLANT PUMP

**URGENT** : Observe the safety and cleanliness recommendations ⓘ .

### 1. Removing

Place the vehicle on a two-post ramp.

**N.B.** : After the ignition has been switched off : Wait 15 minutes before disconnecting the battery to ensure that the programmed values of the various ECUs are stored.

Disconnect the battery.

**Drain the cooling system** ⓘ .

**CAUTION** : No anticlockwise rotation action must be applied by means of the crankshaft pulley hub fixing bolt : Risk of de-setting the timing.

Remove :

- The front right wheel
- The protective panel under the engine
- The right-hand wheel arch protective shield

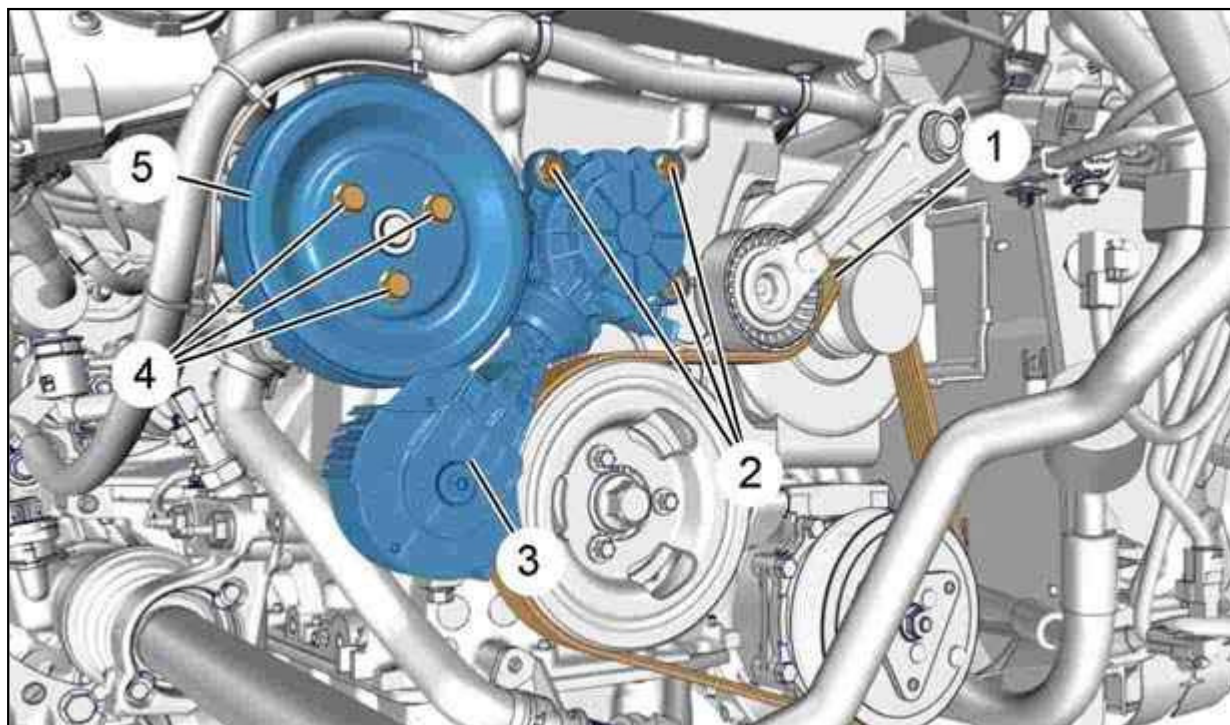


Figure : B1BM0D0D

Remove :

- **The accessories drive belt (1)** ⓘ
- The bolts (2)
- The coolant pump (3) friction wheel
- The bolts (4)

- The coolant pump pulley (5)

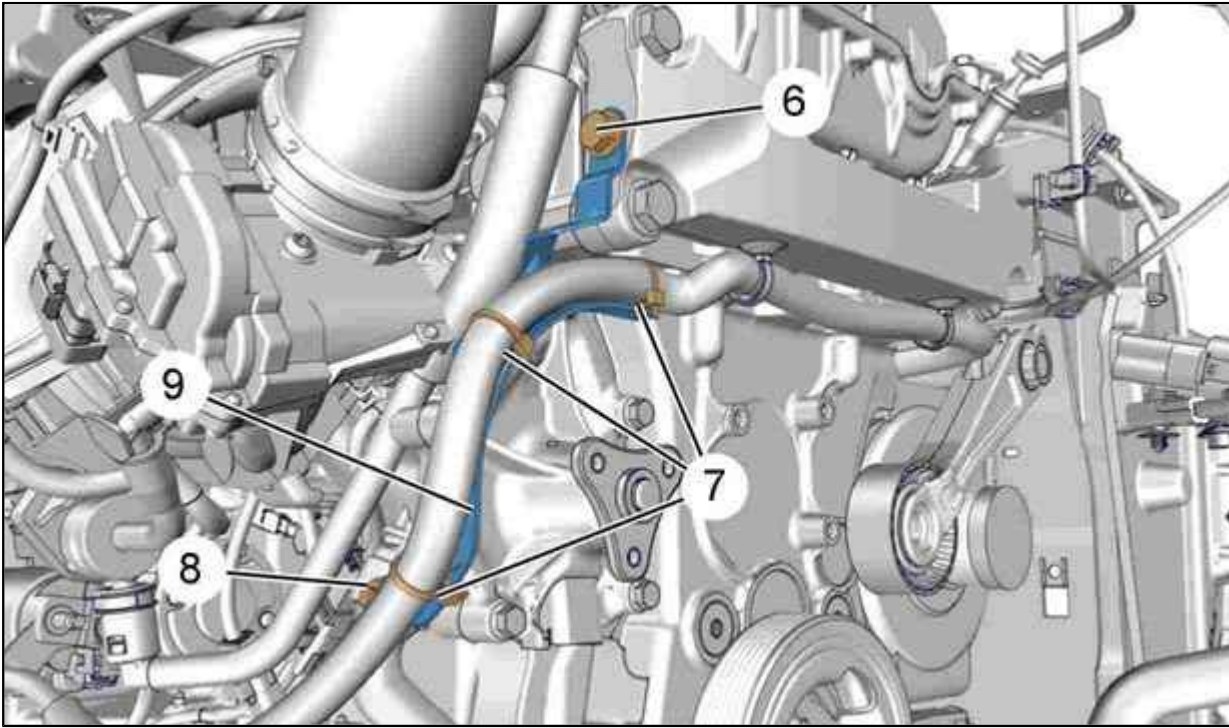


Figure : B1BM0D1D

Remove :

- The (6) bolt
- The electrical harness (7) retaining clips
- The (8) bolt
- The electrical harness (9) support

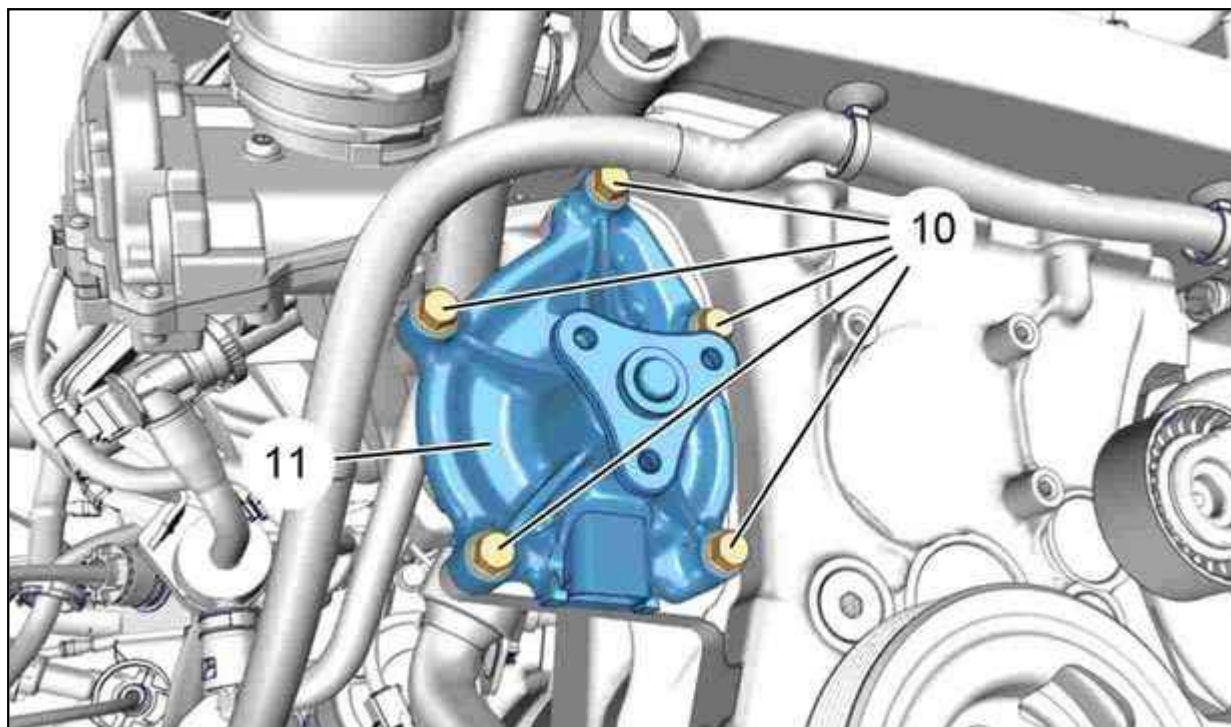


Figure : B1BM0D2D

Remove :

- The coolant pump bolts (10)
- The coolant pump (11)

## 2. Refitting

**N.B.** : Systematically replace the seal .

**CAUTION** : The surfaces and joint faces must be free of any signs of knocks and scratches.

**CAUTION** : Adhere to the tightening torques.

Fit :

- The coolant pump (11)
- The coolant pump bolts (10); Tighten to the specified torque
- The electrical harness (9) support
- The mountings (6), (8)
- The electrical harness (7) retaining clips
- The coolant pump pulley (5)
- The bolts (4) ; Tighten to the specified torque
- The coolant pump (3) friction wheel
- The bolts (2) ; Tighten to the specified torque
- **The accessories drive belt (1)** ⓘ

**Fill and bleed the cooling system** ⓘ .

Fit :

- The right-hand wheel arch protective shield
- The protective panel under the engine

- The front right wheel

**CAUTION** : Perform the operations to be carried out following reconnection of the battery.

Connect the battery.