



**Haynes**  
shows you how

[BMW 3-Series 320i & 320xi \(12-14\), 325i, 325xi, 330i & 330xi \(06\) & 328i & 328xi \(07-14\) Haynes Online Manual](#)

## 7 Coolant pump - removal and installation

### Warning:

Refer to the **Warnings** given in Section 1 of this Chapter before proceeding.

### Note:

These models are equipped with an electric cooling pump.

## Removal

1 Drain the cooling system (see [Chapter 1](#) ).

### 2.0L engines

2 Raise the vehicle and support it securely on jackstands, then remove the lower splash shield.

3 Remove the coolant pump cover fasteners and cover, if equipped.

4 Remove the two lower pump bolts.

### Note:

It may be necessary to slightly raise the engine to access the lower bolts.

5 Remove the hose clamps, and disconnect the hoses. Be sure to note the locations of the clamps for installation purposes.

### Note:

The hoses have clamp center line marks printed on them. The clamps must be placed on that center line to allow the clamp to be tightened correctly.

6 Disconnect the electrical connector from the coolant pump, then remove the upper mounting bolt and detach the pump.

**Caution:**

If the coolant pump is being reused, it must be rotated one turn before installation, due to the breakaway torque at the impeller.

7 Installation is the reverse of removal.

## 3.0L engine

8 Remove the thermostat (see [Section 4](#) ).

9 Loosen the clamps and disconnect the coolant hoses from the rear of the pump, which is bolted to the right-hand front corner of the cylinder block (see [illustration 4.3](#) ) .

10 Disconnect the electrical connector from the base of the pump.

11 Loosen and remove the pump retaining bolts and withdraw the pump. Discard the retaining bolts; new ones must be used.

## Installation

12 Position the pump against the cylinder block, then install the *new* retaining bolts, tightening them to their specified torque.

13 Reattach the hoses at the rear of the pump and tighten the clamps securely.

14 Reconnect the pump electrical connector.

15 Install the thermostat (see [Section 4](#) ).