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shows you how

**BMW 3-Series (92-98) & Z3 (96-98) Haynes Online Manual**

## 7 Coolant pump - removal and installation

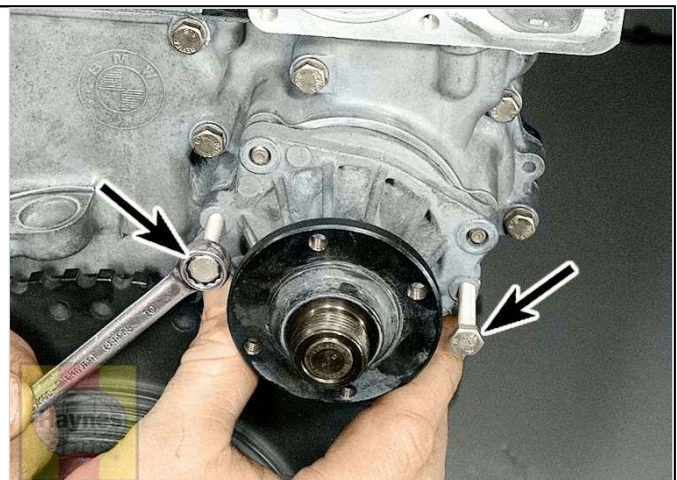
### Warning:

Wait until the engine is completely cool before beginning this procedure.

### Removal

- 1 Drain the cooling system (see [Chapter 1](#) ).
- 2 Remove the fan shroud, the cooling fan and, on engines with a mechanical fan, the clutch (see [Section 4](#) ).
- 3 Detach the hoses from the thermostat housing (see [Section 3](#) ).
- 4 Loosen the coolant pump pulley bolts then remove the drivebelt (see [Chapter 1](#) ).
- 5 Unscrew the retaining bolts and remove the pulley from the pump, noting which way around it is fitted.
- 6 Loosen and remove the pump retaining bolts/nuts (as applicable) and withdraw the pump. If the pump is a tight fit, screw two M6 bolts into the jacking holes on either side of the pump and use the bolts to draw the pump out of position (see illustration) .

**7.6 If the coolant pump is a tight fit, draw the pump out of position using two jacking bolts (arrows)**



7 Recover the sealing ring from the rear of the pump (see illustration) .

### 7.7 Recover the sealing ring from the rear of the coolant pump



## Installation

- 8 Fit a *new* sealing ring to the rear of the pump and lubricate it with a smear of grease to ease installation.
- 9 Locate the pump in position and install the retaining bolts/nuts. Tighten the bolts/nuts evenly and progressively to the specified torque, making sure the pump is drawn squarely into position.
- 10 Install the pulley to the pump, making sure it is the correct way around, and screw in its retaining bolts.
- 11 Install the drivebelt (see [Chapter 1](#) ) then securely tighten the pulley bolts.
- 12 Reconnect the coolant hoses to the thermostat housing.
- 13 Install the cooling fan assembly (see [Section 4](#) ).
- 14 Refill the cooling system (see in [Chapter 1](#) ).

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