



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

7 Coolant pump - removal and installation

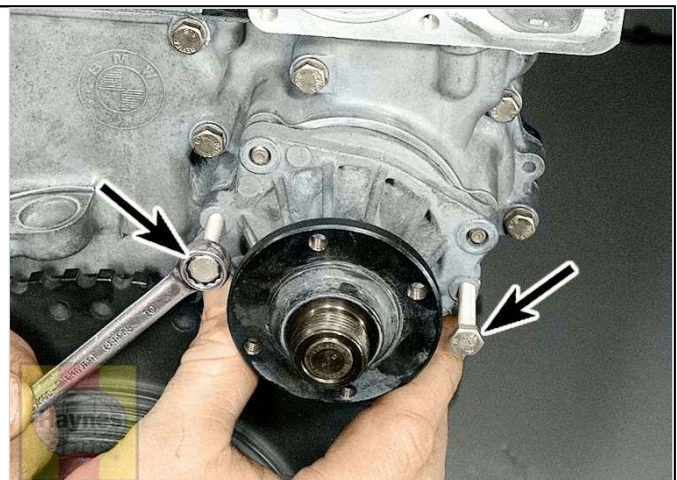
Warning:

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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