

**Haynes**
shows you how

BMW 3-Series and Z4 (99-05) Includes 2006 325ci/330ci Coupe and Convertible models Haynes Online Manual.

4 Thermostat - removal and installation

Warning:

Do not allow antifreeze to come in contact with your skin or painted surfaces of the vehicle. Rinse off spills immediately with plenty of water. Antifreeze is highly toxic if ingested. Never leave antifreeze lying around in an open container or in puddles on the floor; children and pets are attracted by its sweet smell and may drink it. Check with local authorities about disposing of used anti-freeze. Many communities have collection centers which will see that antifreeze is disposed of safely. Never dump used antifreeze on the ground or into drains.

Note:

Non-toxic coolant is available at most auto parts stores. Although the coolant is non-toxic, proper disposal is still required.

Note:

A new thermostat sealing ring and (where fitted) housing gasket/seal will be required on installation.

Removal

- 1 Disconnect the cable from the negative terminal of the battery (see [Chapter 5, Section 1](#)).
- 2 Drain the cooling system (see [Chapter 1](#)).
- 3 Where applicable, to improve access to the thermostat housing, remove the cooling fan and viscous coupling (see [Section 5](#)).
- 4 Pry out the locking wire clips and disconnect the coolant hose(s) from the thermostat housing on the front of the cylinder head/ timing chain cover (as applicable). Disconnect the electrical connector from the thermostat housing.
- 5 Unscrew the retaining bolts and remove the thermostat housing. Recover the housing gasket/seal. It will be necessary to unbolt the engine lifting bracket to allow the housing to be removed.

6 Note that the thermostat is integral with the housing. Recover the sealing ring.

Installation

7 Installation is the reverse of removal, bearing in mind the following points.

- A. Replace the thermostat housing O-ring seal.
- B. Tighten the thermostat housing bolts to the torque listed in [this Chapter's Specifications](#) .
- C. Reinstall the cooling fan as described in [Section 5](#) .
- D. On completion, refill the cooling system (see [Chapter 1](#)).

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