



**Haynes**  
shows you how

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

## 11 Throttle body - removal and installation

### Warning:

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

### Note:

A new sealing ring must be used on installation .

## Removal

- 1 Remove the air mass meter as described in [Section 12](#) .
- 2 Disconnect the throttle cable from the throttle linkage, and move the cable to one side, with reference to [Section 4](#) .
- 3 Loosen the hose clamp, and disconnect the coolant hoses from the bottom of the throttle body. Be prepared for coolant spillage, and plug or clamp the open ends of the hoses.
- 4 Disconnect the electrical connector from the throttle position sensor.
- 5 Unscrew the securing bolts, and remove the throttle body from the intake manifold (see illustration) .

### 11.5 Removing the throttle body



6 Recover the sealing ring.

## Installation

7 Installation is a reversal of removal, but use a new sealing ring, and install the air mass meter with reference to [Section 12](#) (see illustration) . Check the coolant level (see [Chapter 1](#) ).

**11.7 Use a new sealing ring when installing the throttle body**



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