



**Haynes**  
shows you how

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

## 4 Valve cover - removal and installation

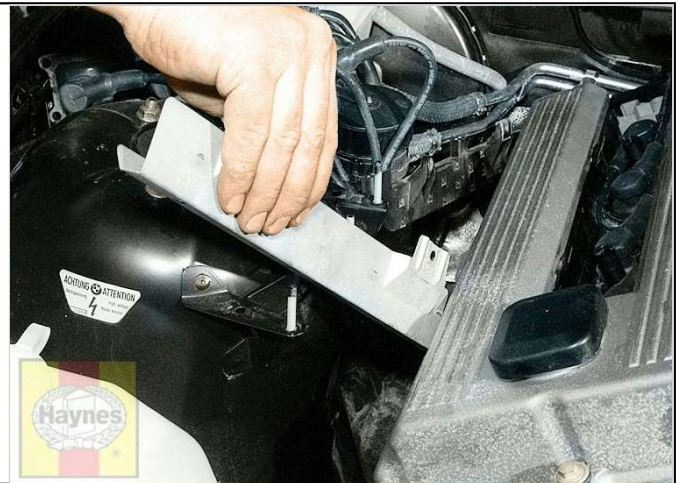
### Note:

New gaskets and/or seals may be required on installation - see text.

### Removal

- 1 Open the hood, then raise the hood to its fully open position (see [Chapter 11](#) ).
- 2 Remove the ignition coil from the right strut tower (see [Chapter 5B](#) ).
- 3 Loosen the securing screws and remove the spark plug cover from the center of the valve cover. Pull the connectors from the spark plugs.
- 4 Loosen the bolts securing the spark plug wire bracket to the edge of the valve cover and recover the heat shield, then lift the complete spark plug wire housing/ducting assembly from the valve cover (see illustrations)

#### 4.4a Recover the heat shield from the edge of the valve cover



**4.4b Release the securing clips . . .****4.4c . . . and lift the complete spark plug wire housing/ducting assembly from the valve cover**

**5 Disconnect the breather hose from the valve cover (see illustration) .**

**4.5 Disconnect the breather hose from the valve cover**

**6 Unscrew the securing bolts and lift the valve cover from the engine (see illustration) . Recover the gaskets (note that there are separate gaskets at the center of the cover for the spark plug holes).**

#### 4.6 Lifting off the valve cover



## Installation

7 Thoroughly clean the gasket faces of the valve cover and the engine.

8 Check the condition of the sealing rubbers on the cover securing bolts, and replace if necessary. Ensure that the washers and rubber seals are correctly fitted to the securing bolts.

9 Examine the cover gaskets, and replace if necessary, then lay the gaskets in position on the valve cover (see illustration) .

#### 4.9 Lay the gaskets in position on the valve cover



10 Position the cover on the cylinder head, ensuring that the lugs on the gasket engage with the corresponding cut-outs in the rear of the cylinder head.

11 Install the cover securing bolts and tighten to the specified torque.

12 The remainder of the installation procedure is a reversal of removal, ensuring that the spark plug wires are correctly reconnected.

