



**Haynes**  
shows you how

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

## 2 Air cleaner assembly - removal and installation

### Removal

1 Remove the air mass meter, as de-scribed in [Section 12](#) . Alternatively, disconnect the electrical connector from the air mass meter, loosen the clip securing the air ducting to the throttle body, and leave the air mass meter attached to the air cleaner casing (see illustrations) .

#### 2.1a Disconnect the air mass meter electrical connector



#### 2.1b Disconnect the air ducting from the throttle body



2 Loosen the two nuts securing the air cleaner casing to the mounting bracket, then pull the casing upwards, and unclip the intake duct from the front body panel (see illustrations) . **Note:** *If the intake duct cannot be*

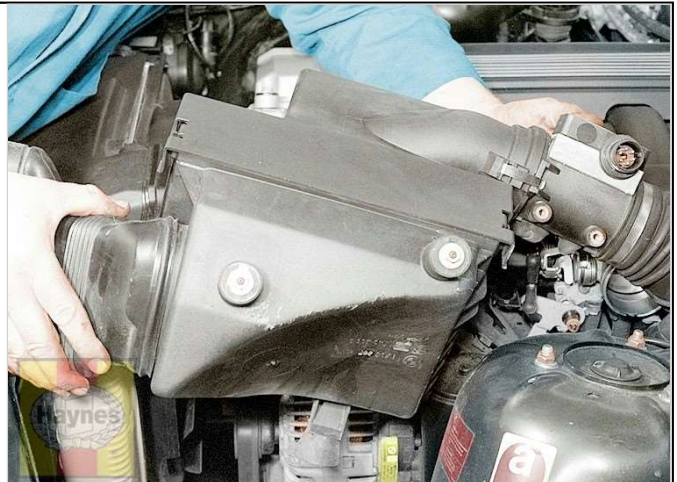
*released from the front body panel, unbolt the alternator air ducting from the top of the front body panel, and reach down behind the front grille panel for access to the air intake duct securing clip.*

### 2.2a Loosen the air cleaner securing nuts .

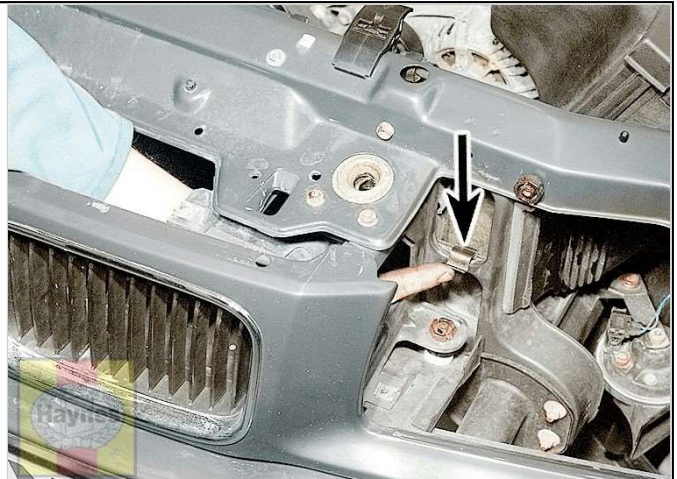
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### 2.2b . . . then pull the casing upwards



### 2.2c Reach behind the grille to depress the air intake duct securing clip (arrow) - viewed with headlight removed for clarity



3 Where applicable, remove the securing bolt, and withdraw the coolant bypass valve from the air cleaner casing, leaving the coolant hoses connected (see illustration) .



### 2.3 Withdrawing the coolant bypass valve from the air cleaner casing



4 If the assembly is being removed complete with the air ducting and air mass meter, disconnect the breather hoses from the bottom of the air ducting, then withdraw the assembly from the engine compartment.

## Installation

5 Installation is a reversal of removal, but ensure that the lower mounting engages with the plastic lug on the body, and where applicable install the air mass meter with reference to [Section 12](#) (see illustration) .

### 2.5 Ensure that the air cleaner lower mounting (1) engages with the lug (2) on the body

