



**Haynes**  
shows you how

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

## 23 Fuel filter replacement

### Note:

On 2003 and later models with an M56 engine, the fuel filter is inside the fuel tank and is not serviceable.

1 Depressurize the fuel system (see [Chapter 4](#) ), then disconnect the cable(s) from the negative battery terminal(s) (see [Chapter 5, Section 1](#) ).

2 Raise the vehicle and support it securely on jackstands. Remove the splash shield.

3 The fuel filter is located on a bracket bolted to the left-hand chassis member adjacent to the transmission (see illustration) .

**23.3 The fuel filter is located under the vehicle, mounted to the left side of the chassis**



4 On models with the M54 engine, remove the screws and remove the cover from the fuel filter/regulator assembly.

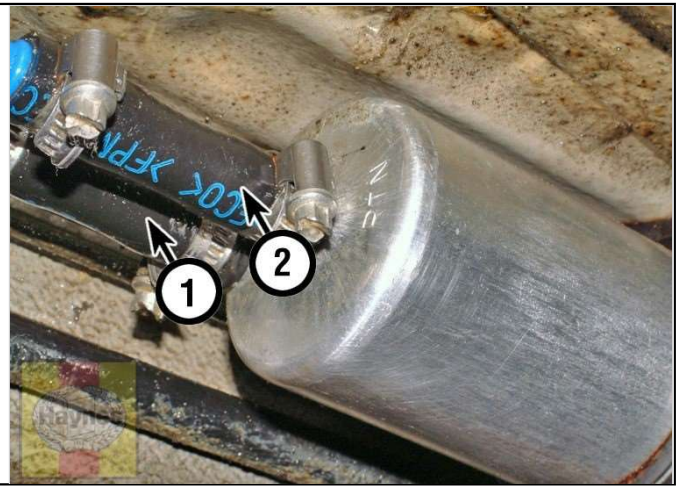
5 On all models, note their fitted locations, and clamp the hoses to and from the fuel filter. Loosen the retaining clamps and disconnect the hoses from the filter. Be prepared for some fuel spillage.

6 On M54 engine models, disconnect the vacuum hose from the regulator (see illustrations). Note: *The fuel pressure regulator is integral with the filter and the vacuum hose from the intake manifold is connected to the front of the regulator on the filter.*

### 23.6a Loosen the clamps and disconnect the fuel filter hoses at the rear . . .

1 From the fuel tank

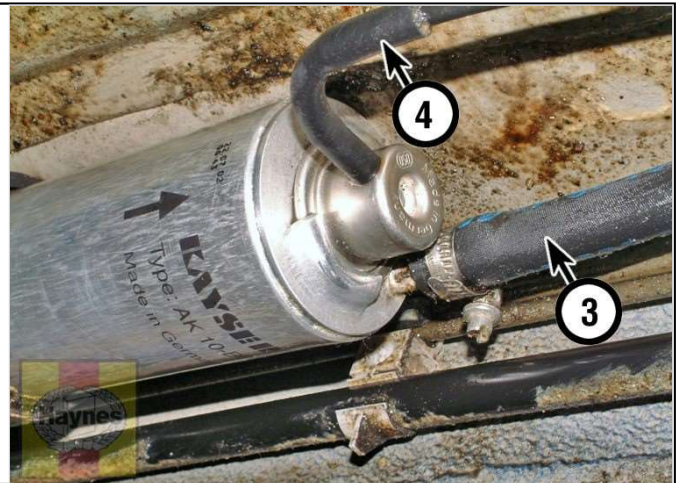
2 Fuel return (M54 engines only)



### 23.6b . . . and front of the filter

3 Fuel supply to injectors

4 Regulator vacuum hose (M54 engines only)



7 Loosen the filter clamp fastener and slide the filter down from under the car (see illustration) .

### 23.7 Unscrew the clamp nut and remove the filter



8 Installation is a reversal of removal, but make sure that the flow direction arrow on the filter points in the direction of fuel flow (i.e., towards the engine), and on completion, pressurize the fuel system with reference to Chapter [4](#) and check for leaks.