



**Haynes**  
shows you how

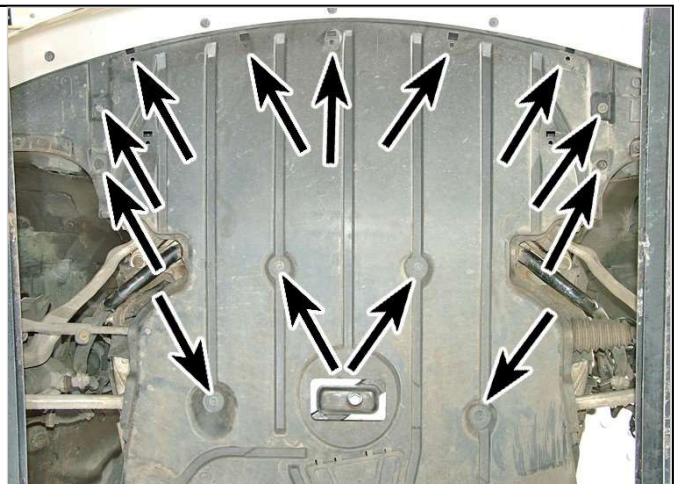
**BMW 3-Series 320i & 320xi (12-14), 325i, 325xi, 330i & 330xi (06) & 328i & 328xi (07-14) Haynes Online Manual**

## 5 Electric cooling fan and shroud - removal and installation

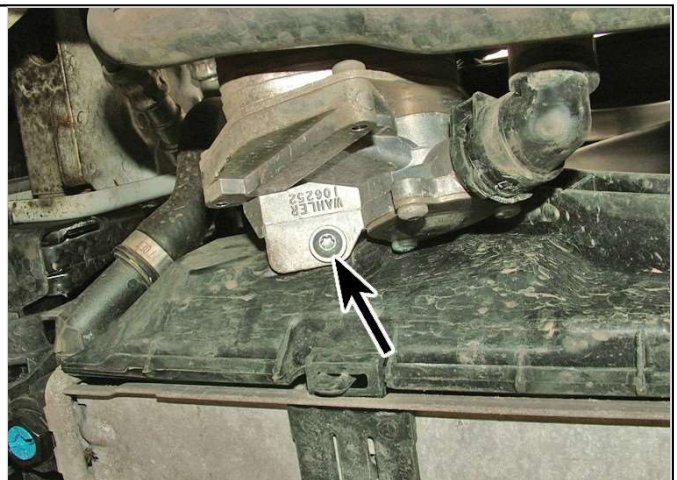
1 Remove the mounting bolts and the air intake hood from the center of the radiator support (see illustration 3.2) . Disconnect the intake hose as the air intake hood is withdrawn.

2 On automatic transmission models, release the fasteners and remove the engine splash shield. Remove the mounting bolt and detach the transmission cooler from the fan shroud (see illustrations) . There's no need to disconnect the hoses.

### 5.2a Remove the fasteners and remove the engine splash shield

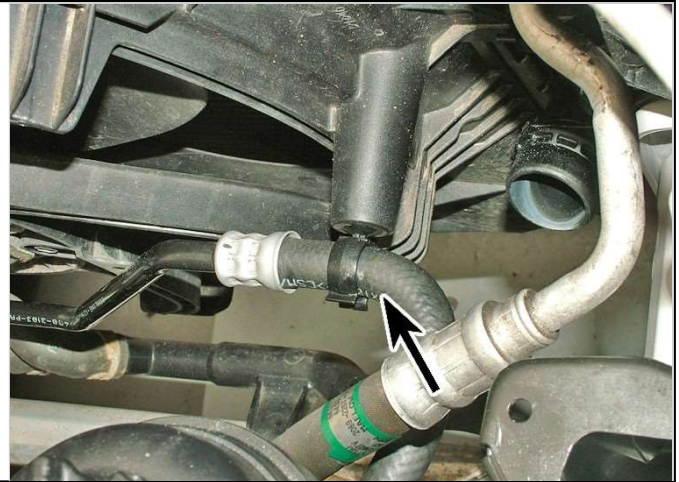


### 5.2b Transmission fluid cooler retaining bolt



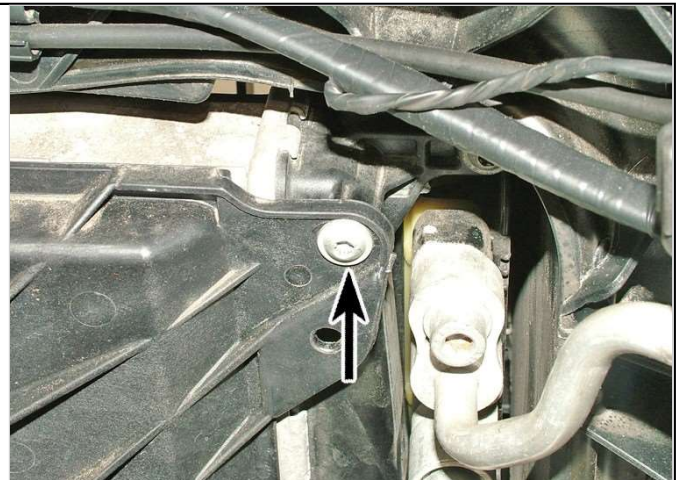
3 Disconnect the fan motor electrical connector and unclip the coolant hose and power steering lines from the top of the shroud (see illustration) .

**5.3 Release the power steering hoses from the fan shroud**



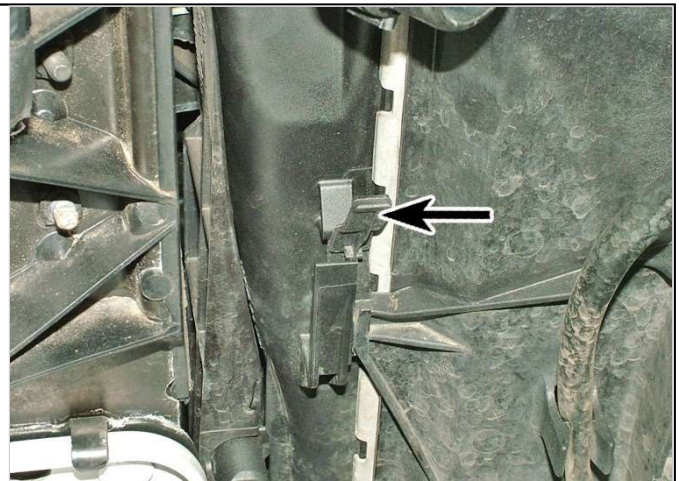
4 Unclip the wiring harness, then remove the mounting bolt at the upper right-hand edge of the shroud (see illustration) .

**5.4 Remove the bolt in the upper right-hand corner of the shroud**



5 Pull back and release the clip at the left-hand side, then lift the shroud out (see illustrations) .

**5.5a Pull back the clip . . .**



**5.5b . . . then lift out the fan and shroud**

6 Installation is the reverse of removal, ensuring the lugs on the lower edge of the shroud engage in the corresponding slots in the radiator edge.

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