



**Haynes**  
shows you how

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

## 18 Oil pressure, level and temperature switches - removal and installation

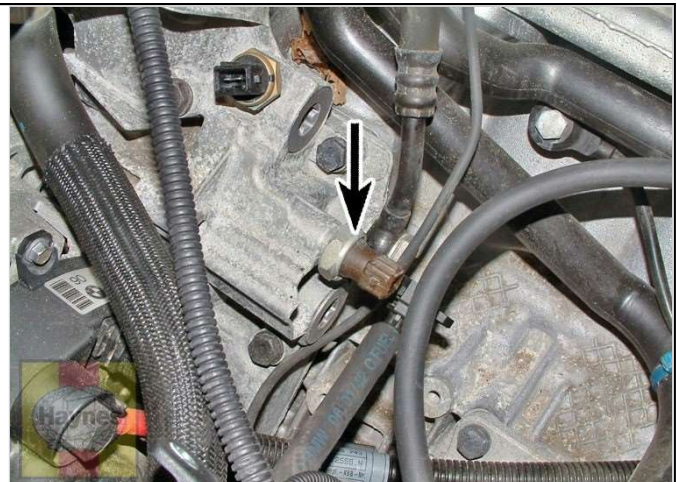
### Oil pressure switch

**Note:**

On some models it may be necessary to remove the intake manifold to access the oil pressure switch (see [Chapter 4](#)).

- 1 Unscrew the oil filter cap. This allows the oil within the filter to flow back into the oil pan, reducing the amount lost during switch replacement.
- 2 Remove the air filter housing (see [Chapter 4](#)).
- 3 Disconnect the electrical connector and unscrew the switch from the base of the oil filter housing (see [illustration](#)) .

**18.3 Disconnect the electrical connector from the oil pressure switch**



- 4 Install the new switch, and tighten it to the torque listed in [this Chapter's Specifications](#) .
- 5 Reinstall the air filter housing and oil filter cap. Check the oil level as described in [Chapter 1](#) .

## Oil level switch

6 Drain the engine oil (see [Chapter 1](#) ).

7 Remove the engine splash shield (see [Chapter 11](#) ).

8 Disconnect the electrical connector, remove the three retaining nuts and remove the level switch (see illustration) .

**18.8 The oil level switch is retained by three nuts**



9 Ensure that the oil pan mating surface is clean.

10 Complete with a new seal, install the oil level switch and tighten the retaining nuts securely.

11 Reinstall the engine splash shield and refill the crankcase with the proper type and quantity of engine oil as described in [Chapter 1](#) .

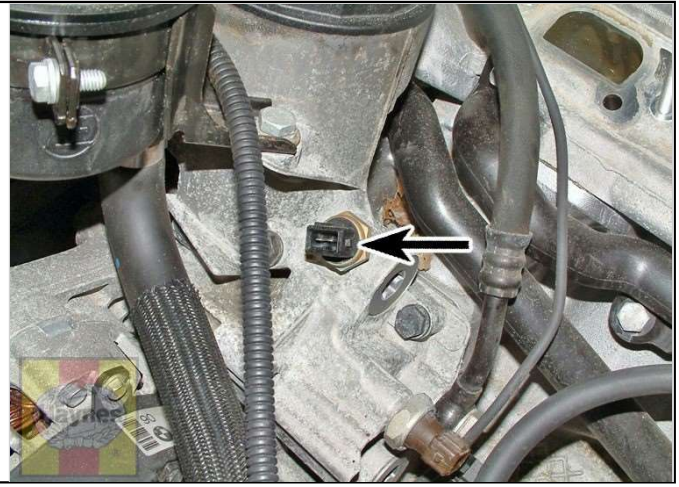
## Oil temperature switch

12 Unscrew the oil filter cap. This precaution allows the oil within the filter to flow back into the oil pan, reducing the amount lost during switch replacement.

13 Remove the air filter housing (see [Chapter 4](#) ).

14 Disconnect the electrical connector and unscrew the switch from the base of the oil filter housing (see illustration) .

**18.14 Disconnect the electrical connector from the oil temperature switch**



15 Install the new switch, and tighten it to the torque listed in [this Chapter's Specifications](#) .

16 Reinstall the air filter housing and oil filter cap. Check the oil level as described in [Chapter 1](#) .

© 2024 Haynes Manuals, Inc. Contact us