



Haynes
shows you how

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

11 Throttle body - removal and installation

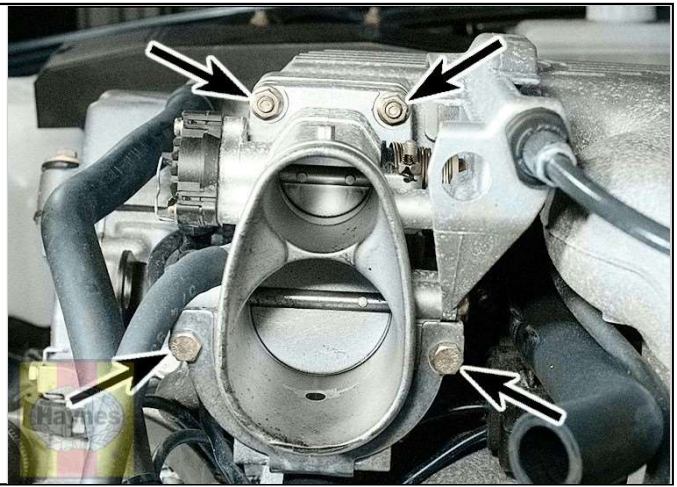
Warning:

Wait until the engine is completely cool before beginning this procedure.

Removal

- 1 Disconnect the battery negative cable. **Caution:** *If the stereo in your vehicle is equipped with an anti-theft system, make sure you have the correct activation code before disconnecting the battery.*
- 2 Where applicable, remove the securing screw(s), and lift the cover from the throttle body.
- 3 Disconnect the throttle cable(s) from the throttle body and the cable support bracket.
- 4 Loosen the clamp screw securing the air intake ducting to the throttle body.
- 5 Remove the upper section of the air cleaner, complete with the airflow meter and the air intake ducting (see [Section 12](#)).
- 6 Disconnect the throttle position sensor wiring plug.
- 7 Disconnect the vacuum hoses from the throttle body.
- 8 Disconnect the coolant hose(s) from the throttle body. Be prepared for coolant spillage, and clamp the open ends of the hoses to prevent further coolant loss.
- 9 Unscrew the four securing nuts/bolts, and withdraw the throttle body from the intake manifold (see **illustration**) . Recover the throttle body heater which fits between the throttle body and the manifold, and recover the gaskets which fit either side of the heater.

11.9 Throttle body securing nuts and bolts (arrows)



Installation

10 Installation is a reversal of removal, bearing in mind the following points.

- A. Use new gaskets on both sides of the throttle body heater.
- B. Reconnect and if necessary adjust the throttle cable (see [Section 4](#)).
- C. On completion, check and if necessary top-up the coolant level (see [Chapter 1](#)).

© 2024 Haynes Manuals, Inc. Contact us