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

4 Fuel pressure - check

Warning:

Gasoline is extremely flammable. See **Fuel system warnings** in Section 1 .

Note:

The following procedure assumes that the fuel pump is receiving voltage and runs.

1 2.0L models: Relieve the fuel system pressure (see [Section 3](#)). Raise the rear of the vehicle and support it securely on jackstands, then remove the rear splash shield from under the vehicle. Remove the fuel line protective plate from the right rear of the vehicle, then disconnect the fuel feed line and using a T-fitting adapter, attach the fuel pressure gauge (see illustration) .

4.1 This fuel pressure testing kit contains all the necessary fittings and adapters, along with the fuel pressure gauge, to test most automotive systems



2 3.0L models: Locate the fuel pressure test port on the fuel rail, unscrew the cap and connect a fuel pressure gauge.

3 Start the engine and allow it to idle. Note the gauge reading as soon as the pressure stabilizes, and compare it with the pressure listed in [this Chapter's Specifications](#) .

4 If the fuel pressure is not within specifications, check the following:

A. Check for a restriction in the fuel system (kinked fuel line, plugged fuel pump inlet strainer or clogged fuel filter, which is an integral part of the fuel pump module). If no restrictions are found, replace the fuel pump module (see Section 7).

B. If the fuel pressure is higher than specified, replace the fuel pump module (see Section 7).

5 Turn off the engine. Fuel pressure should not fall more than 8 psi over five minutes. If it does, the problem could be a leaky fuel injector, fuel line leak, or faulty fuel pump module.

6 If you're working on a 2.0L model, relieve the fuel system pressure (see [Section 3](#)).

7 Disconnect the fuel pressure gauge. Wipe up any spilled gasoline.

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