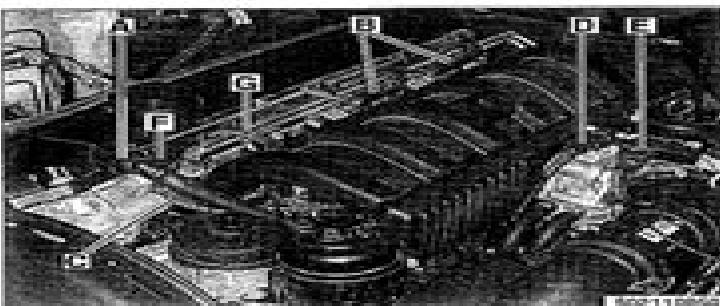


Cylinder Head Removal and Installation



Working above engine, disconnect the following:

- Vent line from cylinder head cover (A).
- Oxygen sensor connectors (B).
- Electrical harness connector from VANOS solenoid valve (C).
- Electrical harness connectors at throttle valve position switch (D), ASC valve position switch (E), fuel injector harness (F) and vent valve (G).

CAUTION—

Be sure to mark oxygen sensor harness connectors so that they can be reassembled correctly. Do not interchange connectors.

Where applicable, remove schraeder valve cap (arrow) from air connection on fuel rail. Using a tire chuck, blow fuel back through feed line using a brief burst of compressed air (maximum of 3 bar or 43.5 psi).

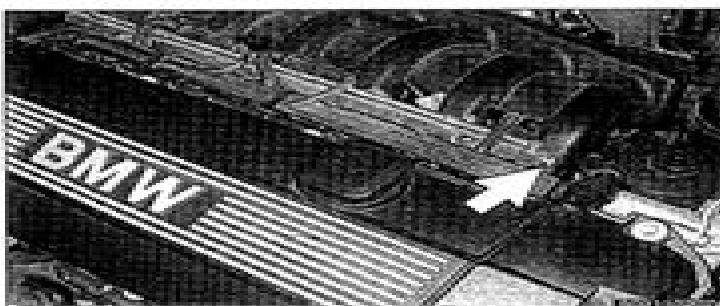
WARNING—

- Fuel in fuel line is under pressure (approx. 3 - 5 bar or 45 - 75 psi) and may be expelled. Do not smoke or work near heaters or other fire hazards. Keep a fire extinguisher handy. Before disconnecting fuel hoses, wrap a cloth around fuel hoses to absorb any leaking fuel. Catch and dispose of escaped fuel. Plug open fuel lines.
- Always unscrew the fuel tank cap to release pressure in the tank before working on the tank or lines.

Disconnect fuel lines by sliding locking collar in (arrows) and pulling lines apart.

NOTE—

BMW uses three styles of fuel line connections; a one-time use clamp; a locking fitting that uses BMW special tool 16 1 050 to release; and a quick release sleeve (above) that disconnects the line when depressed.



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Helming

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