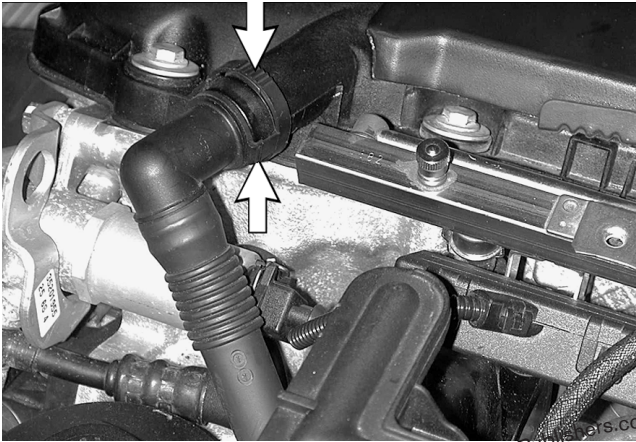
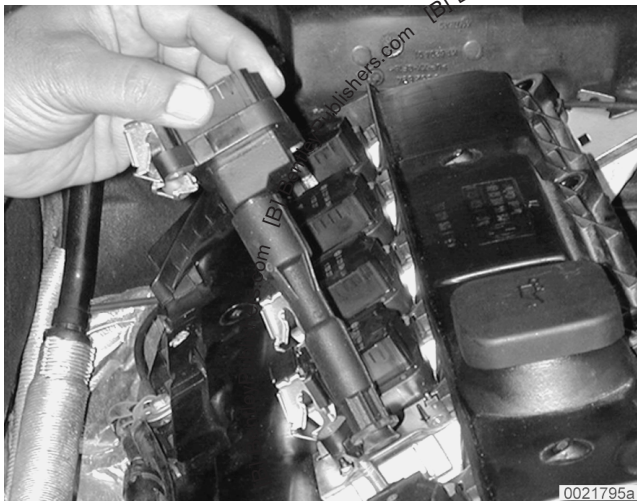


116-8 CYLINDER HEAD AND VALVETRAIN



- ◀ Pinch clips (**arrows**) to disconnect vent line from cylinder head cover.



- ◀ Remove ignition coils:
- Disconnect ignition coil harness connectors.
 - Remove coil mounting fasteners.
 - Remove coils.
 - Remove ground straps.
 - Set coil harness to side of engine compartment.

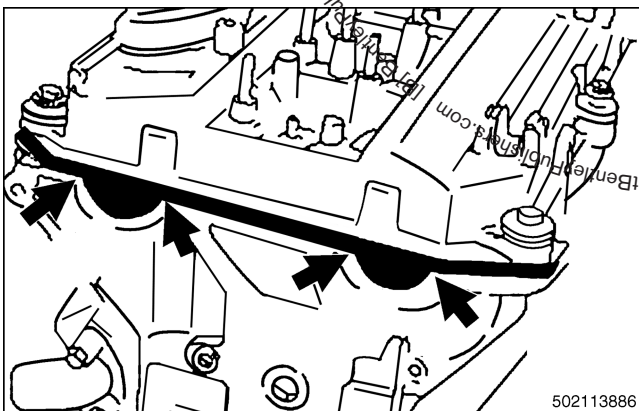
CAUTION —

Note location of all ground wires. Failure to reinstall grounds can result in permanent damage to engine control module or ignition system components.

- Remove cylinder head cover mounting fasteners and remove cylinder head cover.

NOTE —

In order to reinstall cylinder head cover mounting bolt insulators and gaskets in their original locations, make note of their arrangement during removal.



- ◀ Installation is reverse of removal. Keep in mind the following:

- Make sure sealing surfaces are clean and free of old gasket material.
- Replace cylinder head cover gasket, as well as rubber insulators and seals as necessary.
- Use a small amount of 3-Bond® 1209 adhesive or equivalent at corners (**arrows**) of half-moon cut-outs at back of cylinder head.
- Seat gasket and seal corners in front of cylinder head at VANOS unit.
- Inspect cylinder head cover mounting screw assembly rubber seals. Replace if rubber is cracked or brittle.

Tightening torque

- Cylinder head cover to cylinder head . . . 10 Nm (89 in-lb)