

Removing cylinder head (left-side)

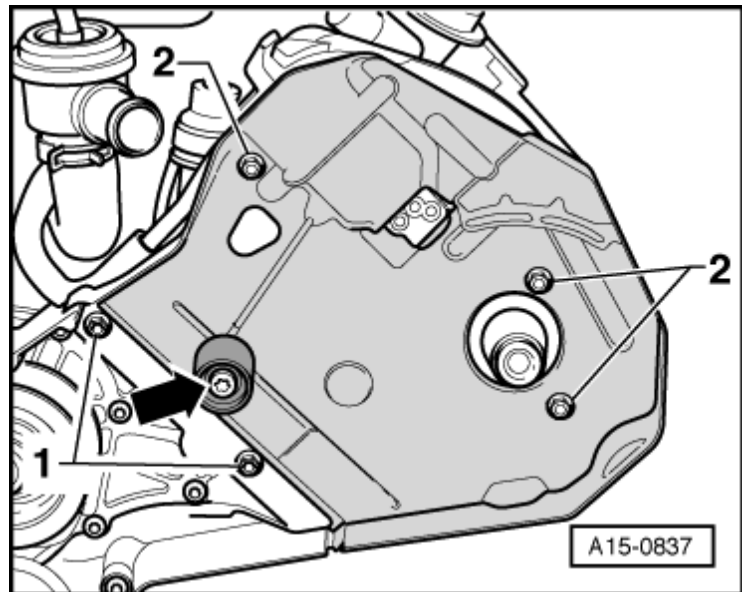


Note

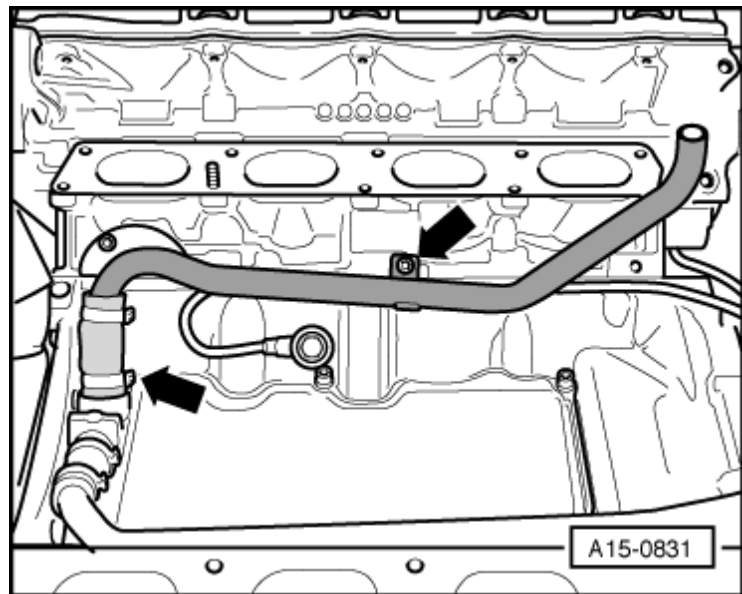
All cable ties which are released or cut open when removing must be refitted in the same position when installing.

Procedure

- Remove engine → [Chapter](#).
- Remove toothed belt → [Chapter](#).
- Detach camshaft sprocket.
- Unscrew idler roller -arrow-.
- Slacken nuts -1-.
- Remove bolts -2- and detach toothed belt cover (rear).

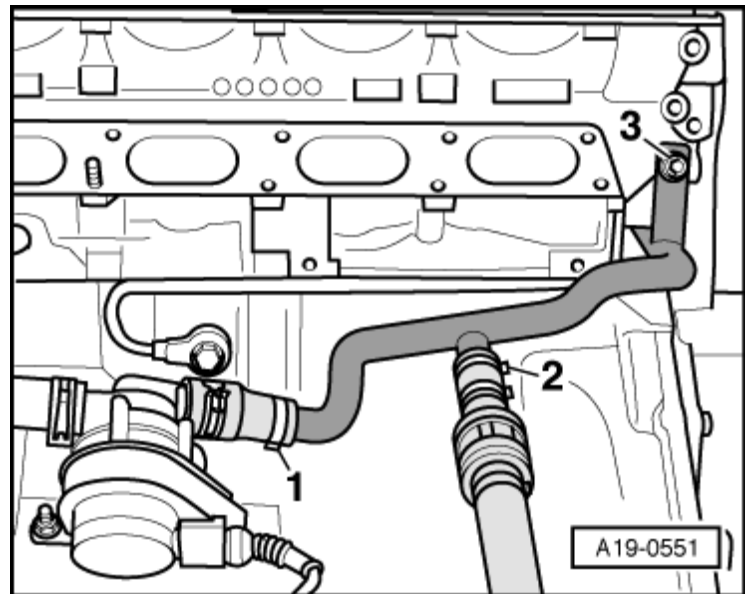


- Remove intake manifold → [Chapter](#).
- Remove crankcase breather pipe -arrows-.



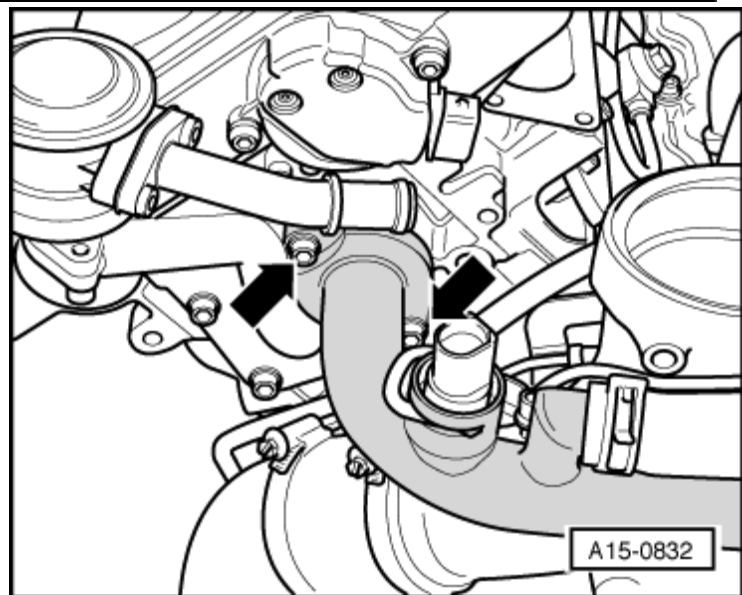
Vehicles from 05.2003:

- Detach coolant hoses -1- and -2-.
- Remove bolt -3-.

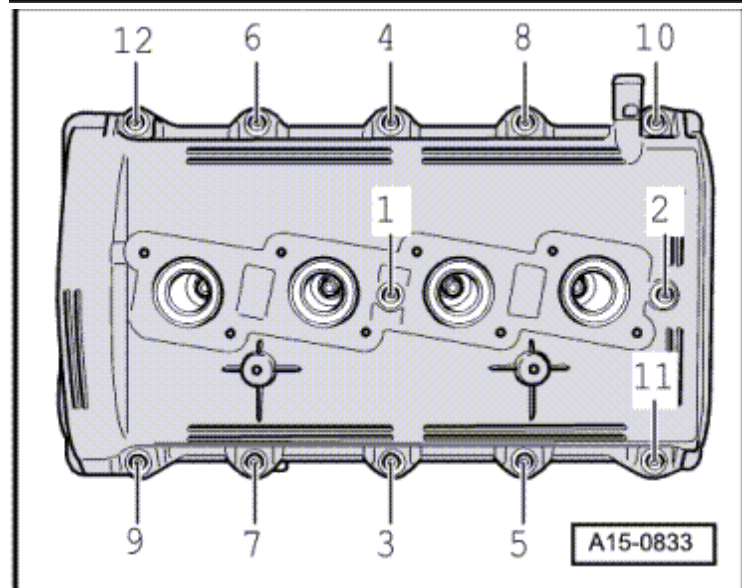


All models:

- Disconnect vacuum hose from combination valve for secondary air system.
- Unbolt rear coolant pipe from cylinder head -arrows-.
- Remove front exhaust pipe (left-side) → [Chapter](#).
- Remove exhaust manifold (left-side) → [Chapter](#).



- Remove ignition coils.
- Unscrew cylinder head cover bolts (left-side) in the sequence -12 ... 1-.
- Remove cylinder head cover.
- Move electrical wiring for knock sensors clear.



- Loosen cylinder head bolts in the sequence -1 ... 10-.
- Take off cylinder head and place it on a soft surface (such as foam plastic).

