

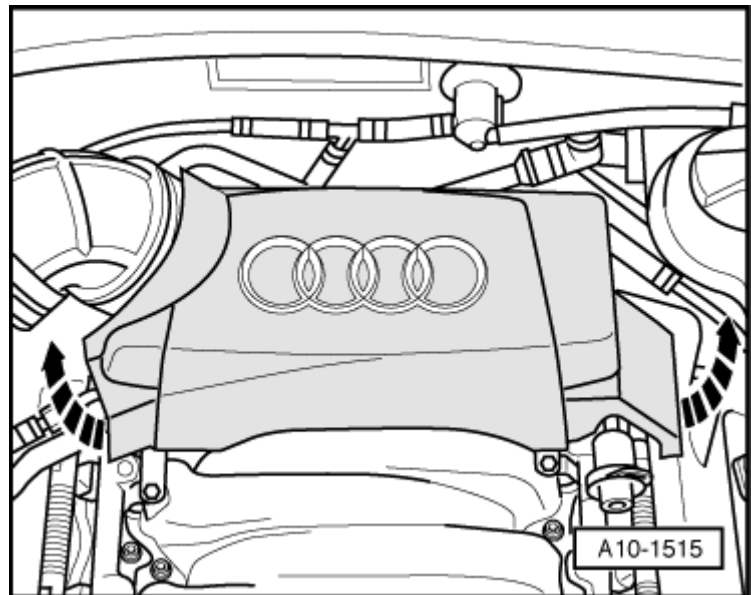
RightCylinderHead Cover

Special tools and workshop equipment required

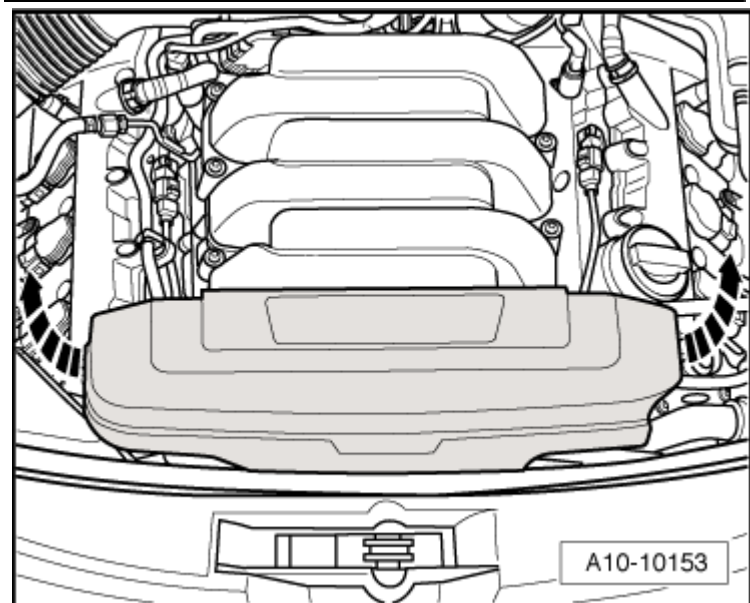
Ignition Coil Puller -T40039-

Removing

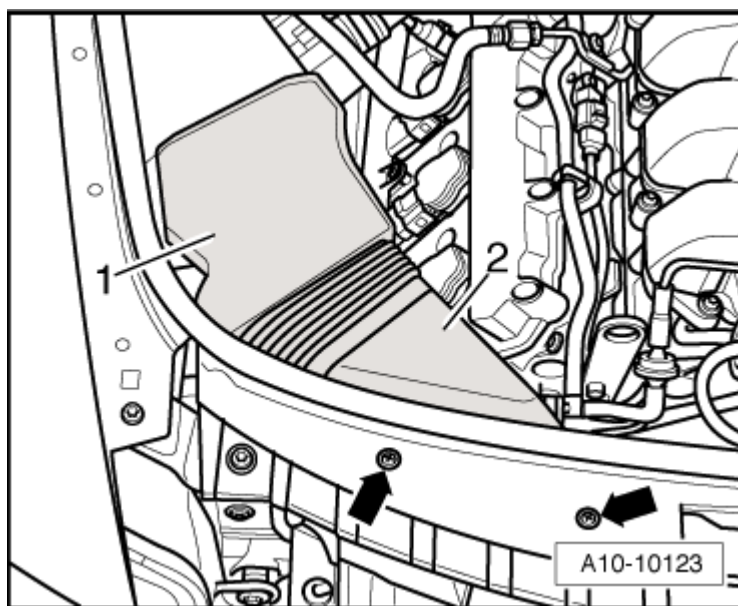
- Pull rear engine cover off -arrow s-.



- Pull front engine cover off -arrow s-.

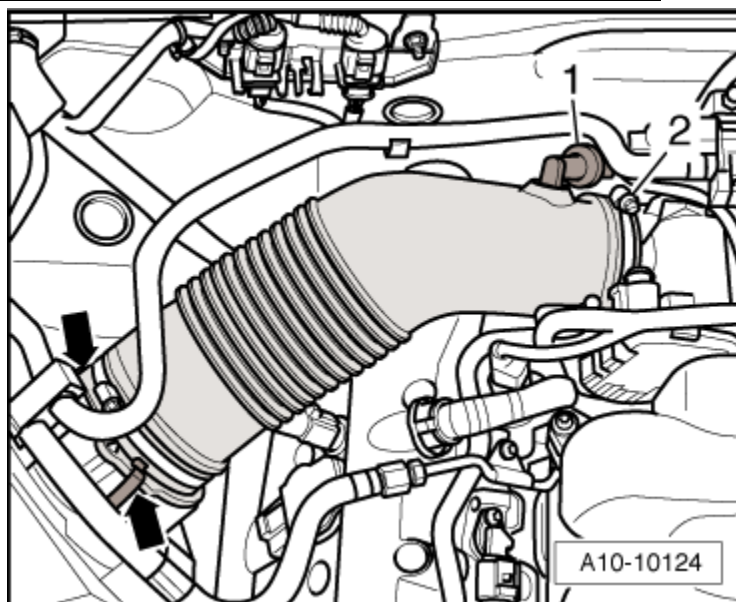


- Remove the bolts -arrow s-.
- Remove the air duct -1- and -2-.

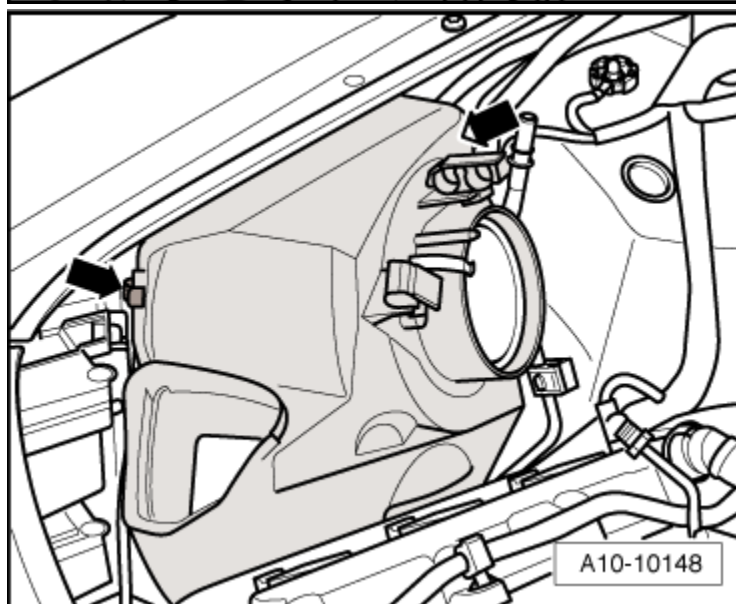


- Disconnect check valve -1- from air duct hose.

- Remove the air duct hose, thereby loosening the hose clamp -2- and opening the clips -arrow s-.



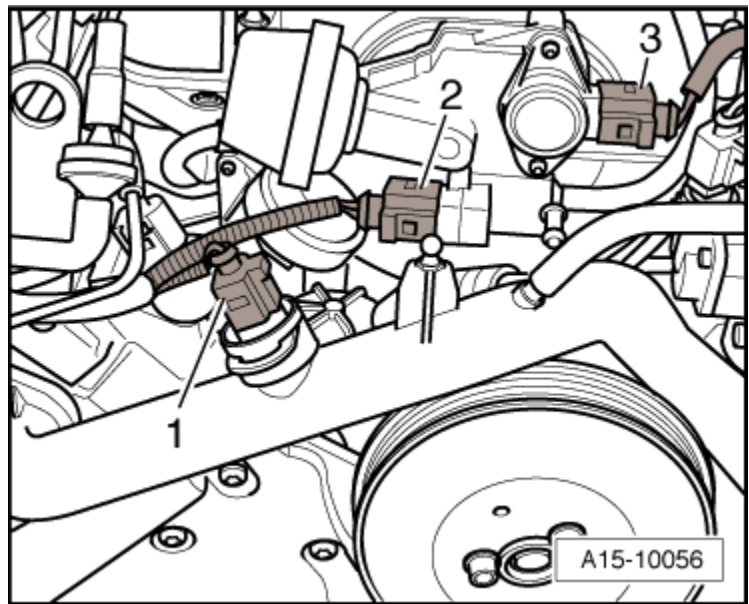
- Open the clips -arrow s- and remove the air filter lower section.



- Disconnect electrical harness connectors.
- 1 - Engine Coolant Temperature (ECT) Sensor -G 62-
- 2 - Change-Over Valve for Intake Manifold Flap -N 239-



Note
Ignore -3-.

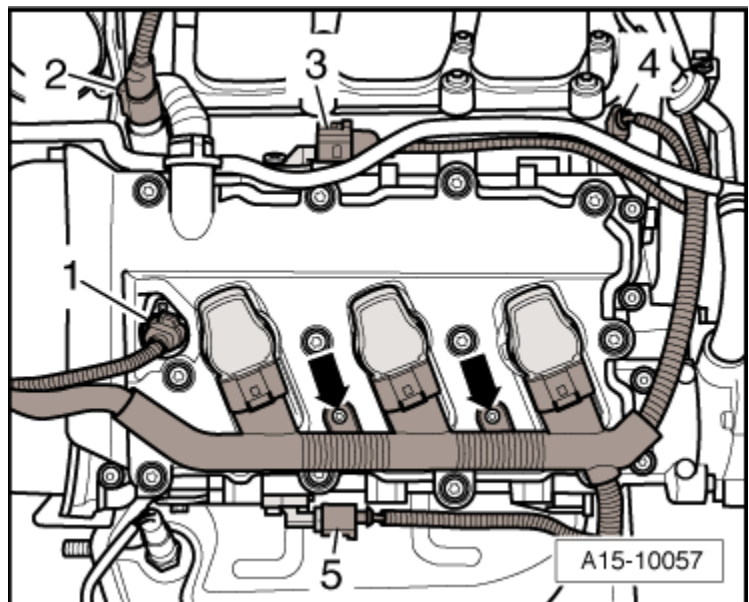


- Disconnect electrical harness connectors.
- 1 - Cam shaft Adjustment Valve 1 (exhaust) -N 318-
- 3 - Cam shaft Position (CM P) sensor -G 40-
- 4 - Intake Manifold Runner Position Sensor -G 336-
- 5 - Cam shaft Position (CM P) Sensor 3 -G 300-

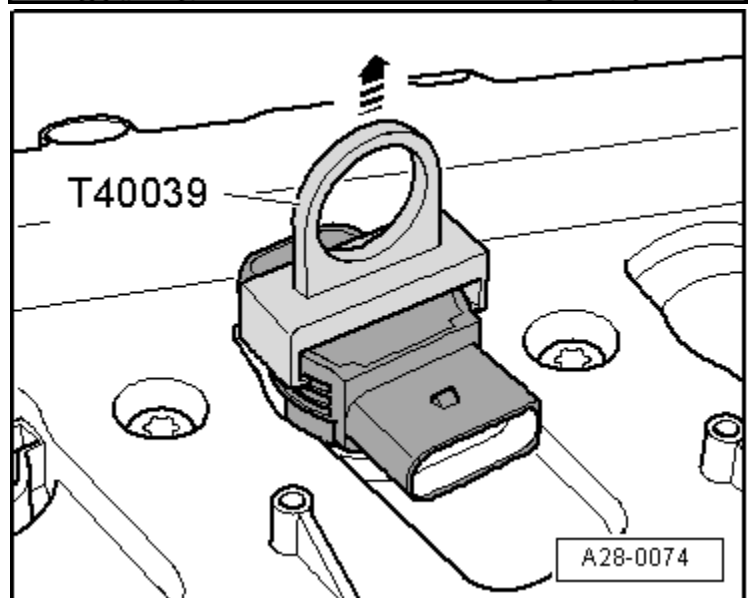


Note
Ignore -2-.

- Remove the bolts -arrow s- and separate the electrical connections at the ignition coils.
- Set the electrical wiring harness aside.



- Remove the ignition coils using the Ignition Coil Puller -T 40039-.



- Remove right cylinder head cover bolts in sequence -12 to 1-



Note

Disregard -arrow -.



Caution

The crankcase ventilation must not be removed.

- Lay aside removed cylinder head cover with connected crankcase ventilation hose.

Installing

Installation is in reverse order of removal, note the following:



Note

Replace cylinder head cover gaskets if damaged.

Replace bolts for cylinder head cover if gasket is damaged.

- Clean sealing surfaces so they are completely free of any oil or grease.
- Tighten cylinder head cover in sequence -1 to 12-

Tightening Specifications

Component	Nm
Cylinder head cover to cylinder head	9
Hose clamps 9 mm wide	3

