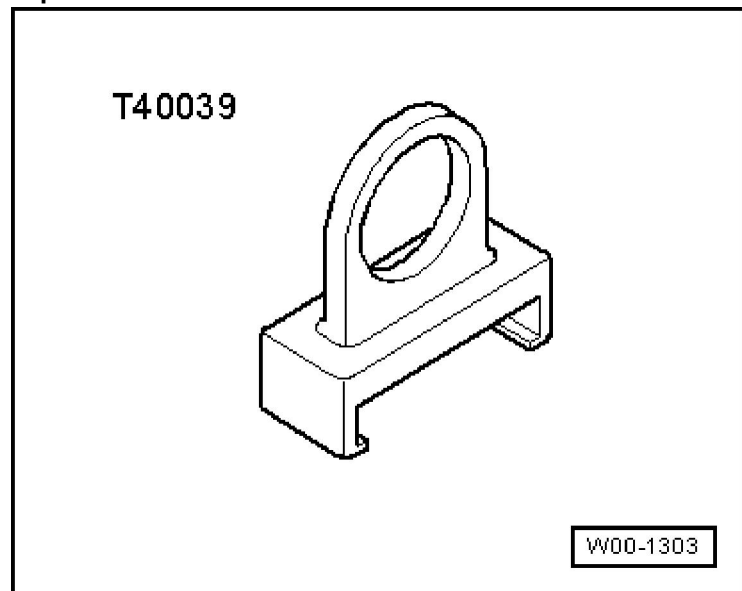


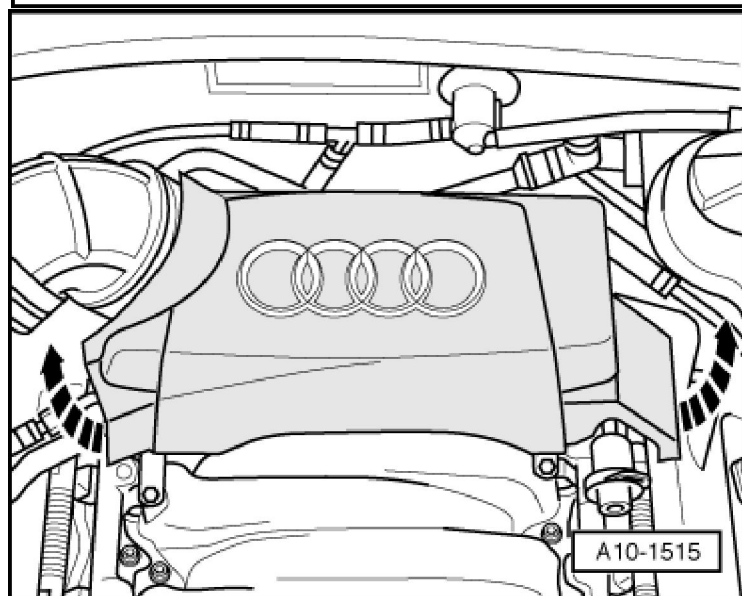
Right cylinder head cover, removing and installing

Special tools and workshop equipment required

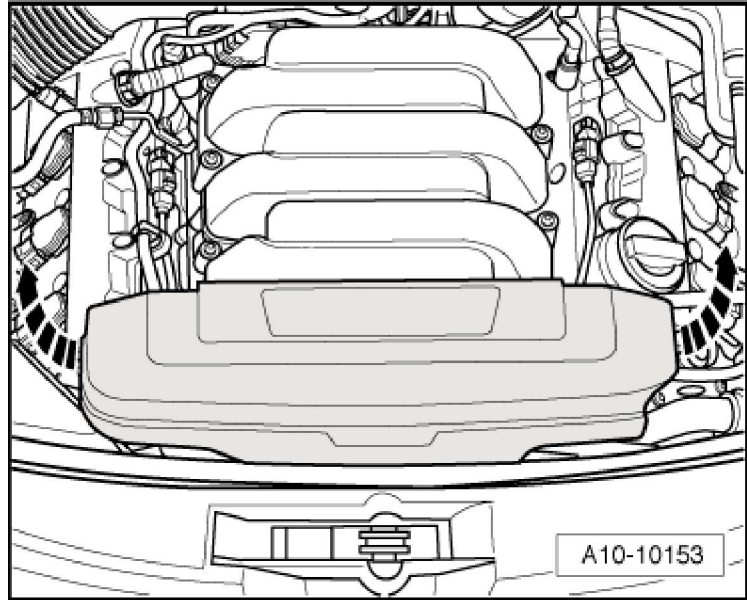
- ◆ Ignition Coil Puller -T40039-
Removing



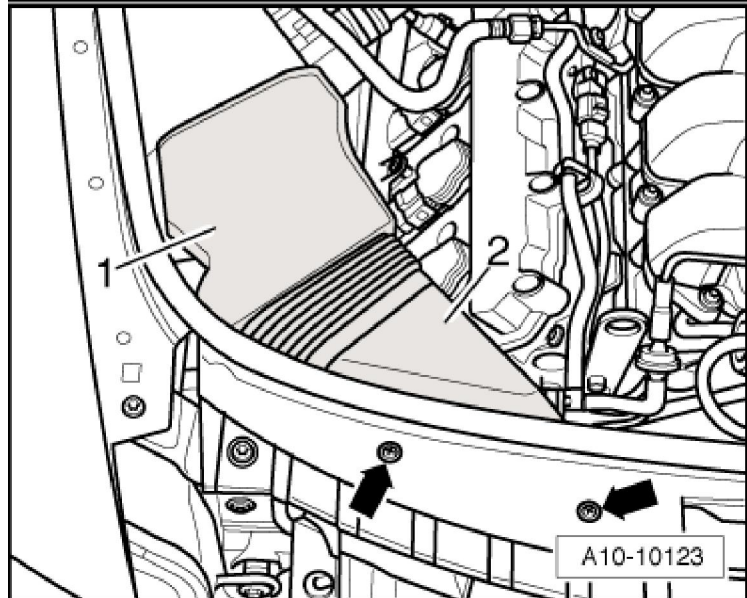
- Remove rear engine cover -arrows-.



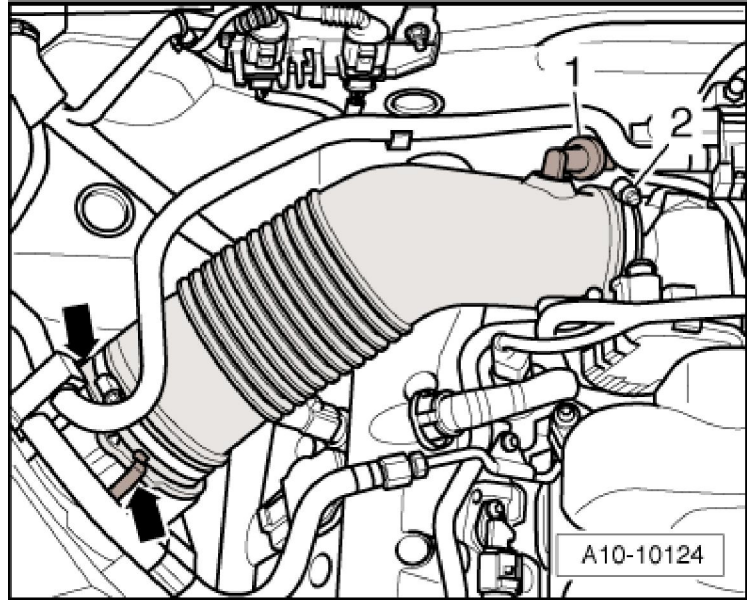
- Remove front engine cover -arrows-.



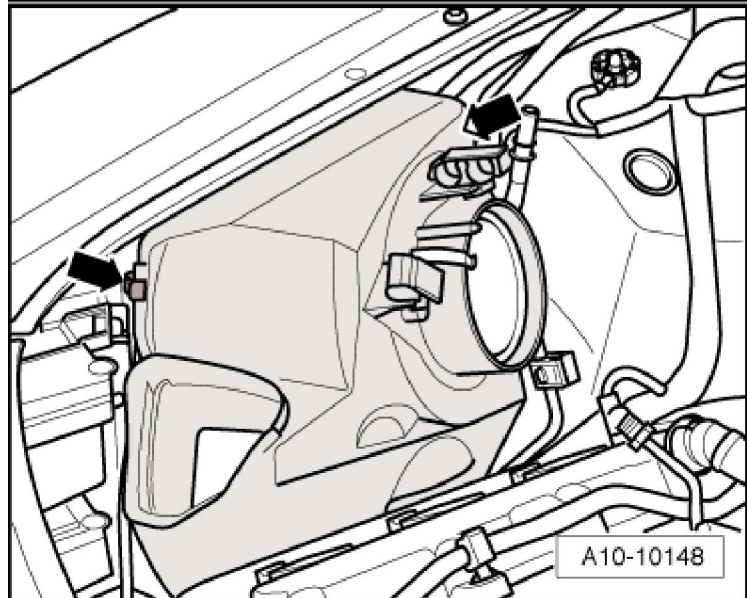
- Remove bolts -arrows-.
- Remove air duct -1- and -2-.




- Disconnect check valve -1- from air duct hose.
- Remove air duct hose, thereby loosening hose clamp -2- and opening clips -arrows-.

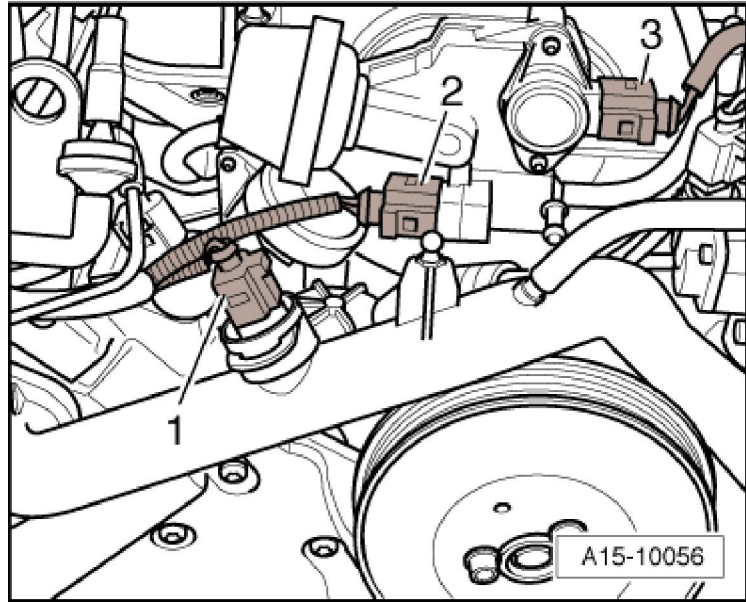


- Open clips -arrows- and remove upper part of air filter housing.




- Disconnect electrical harness connectors.
- 1 - Engine Coolant Temperature (ECT) Sensor -G62-
- 2 - Change-over valve for intake manifold flap -N239-

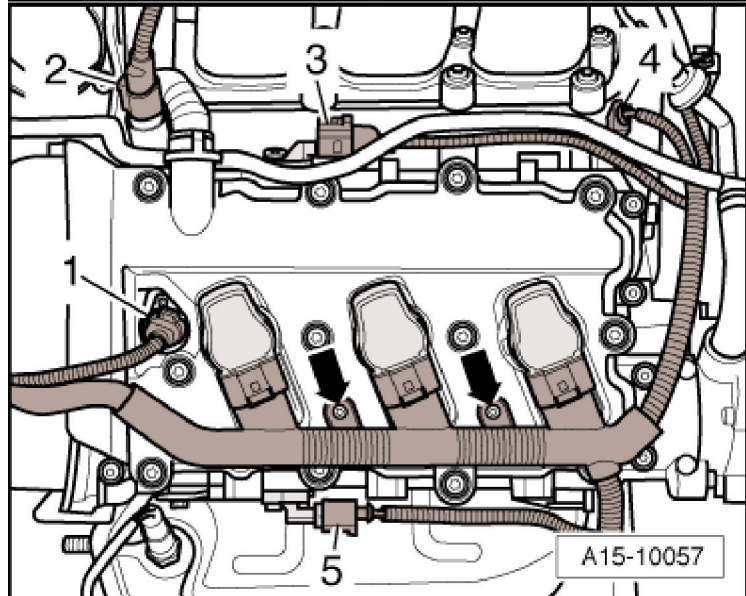
 Note
Ignore -3 -.



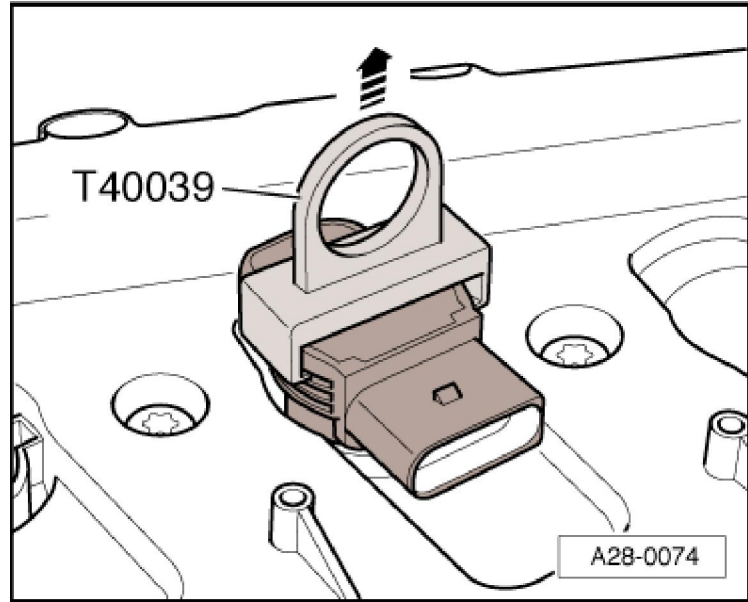
- Disconnect electrical harness connectors.
- 1 - Camshaft Adjustment Valve 1 (exhaust) -N318-
- 3 - Camshaft Position (CMP) sensor -G40-
- 4 - Intake Manifold Runner Position Sensor -G336-
- 5 - Camshaft position (CMP) sensor 3 -G300-

 Note
Ignore -2 -.

- Remove bolts -arrows- and separate electrical connections at ignition coils.
- Set electrical wiring harness aside.



- Remove ignition coils using Ignition Coil Puller -T40039-.



- Remove right cylinder head cover bolts in sequence -12 to 1-.
- Remove crankshaft housing ventilation hose -arrow-.
- Remove cylinder head cover.

Installing

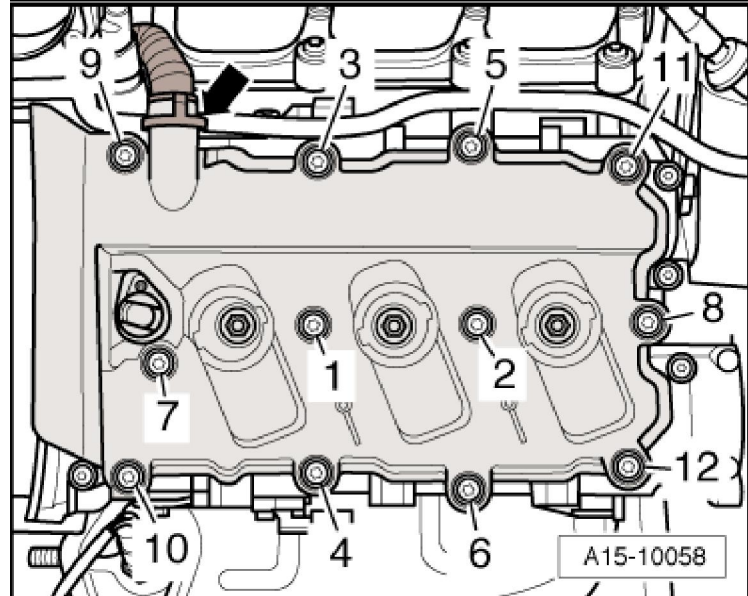
Installation is in reverse order of removal, note the following:



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-.

Torque specifications



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