Upper Intake Manifold

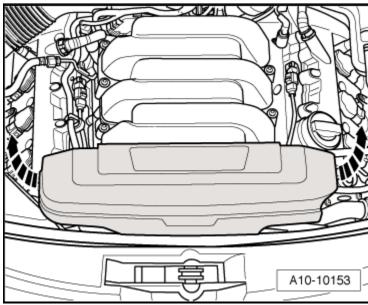
Removing

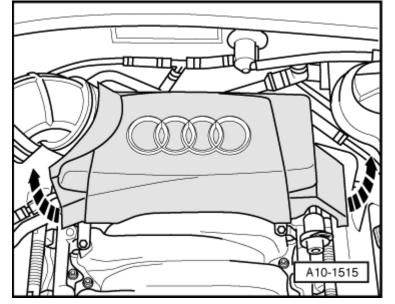


N ote

All cable ties which are opened or cutopen when removing, m ustbe replaced in the same position when installing.

- Remove frontengine cover-arrows-.

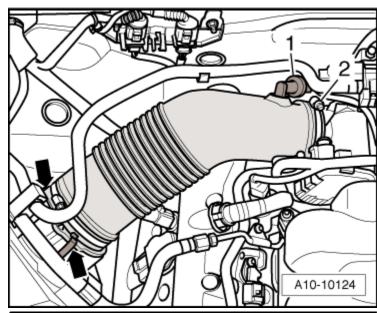




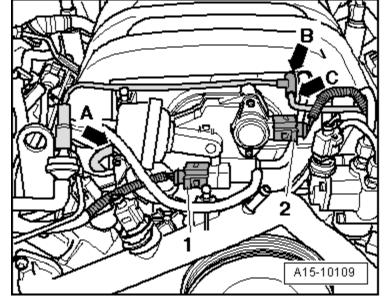
- Remove rear engine cover-arrows-.

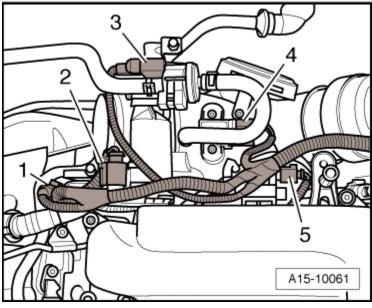
- Disconnectcheck valve -1-from airduct hose.
- Remove airducthose, thereby loosening

hose clamp -2- and opening clips -arrows-.

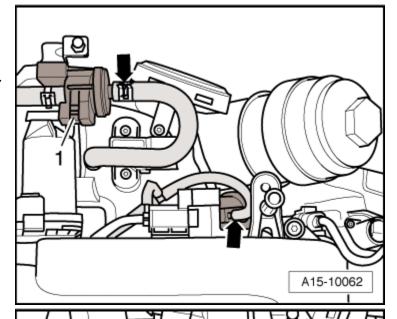


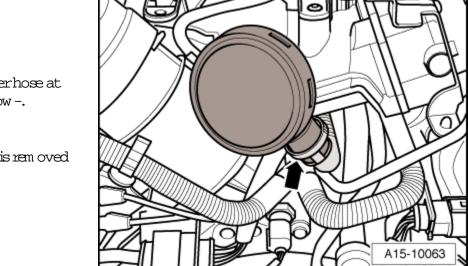
- Disconnectelectrical harness connectors.
- 1 Change overvalve for intake manifold flap -N 239-
- 2 Intake M anifold Tuning (IM T) valve position sensor-G 513-
- Remove vacuum lines arrow A and arrow B .
- Disconnect vacuum hose -arrow C-atleak detection pump.
- Disconnectelectrical harness connectors.
- 1 Cam shaftadjustmentvalve 1 -N 205-
- 2 Throttle valve controlm odule -J338-
- 3 Evaporative em ission (EVAP) can ister purge solenoid valve 1080 -
- 4 Intake A irTem perature (IAT) sensor -G 42-M anifold Absolute Pressure (MAP) sensor-G71-
- 5 Intake M anifold Runner Control (IM RC) valve -N 316-
- Free up wiring harness.





- Disconnect vacuum hoses -arrows-.
- Remove Evaporative em ission (EVAP)
 canisterpurge regulator valve -N80-1from throttle valve controlmodule -J338-.





- D isconnect crankcase breather hose at pressure regulator valve -arrow -.



Note

To improve clarity, the engine is removed shown from the rear.

 Rem ove bolts -arrow s- and rem ove intake m anifold upper.



Note

Plug the intake ports of the cylinder head with clean rags.

Installing

Installation is in reverse order of rem oval, note the following:



Note

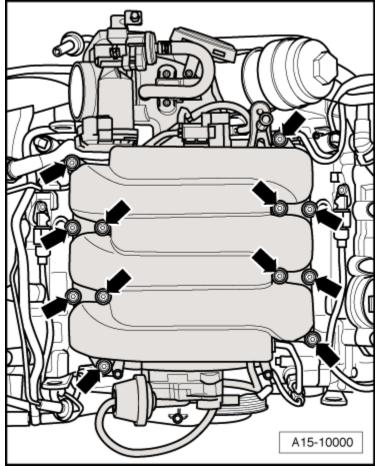
t Replace gaskets and 0 -rings.

During installation, all cable ties m ust be reinstalled at the same location.

Secure allhose connections using hose t clamps appropriate for the model type

— Parts catalog.

Tightening Specifications



Component	Nm
Intakem anifold upper-part to intakem anifold low er-part	6 ¹⁾
Hose clamps 9 mm wide	3
$1^{1)}$ Tighten diagonally in stages.	