

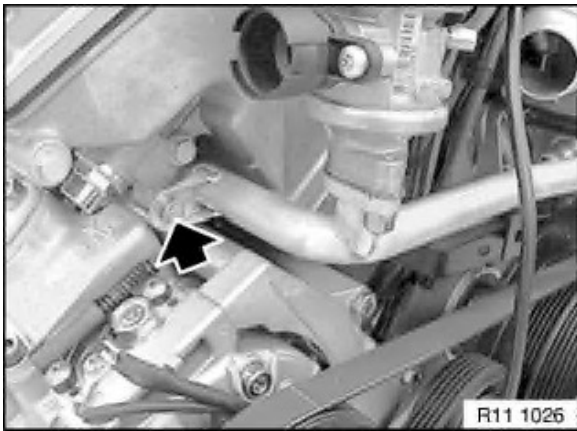
Remove left cylinder head cover. These tasks are described in the work step Removing and installing/sealing both cylinder head covers,

refer to 11 12 004.

Remove fan clutch with impeller,

refer to 11 52 020.

Remove solenoid valve of camshaft adjustment unit, left,
refer to 11 36 585.



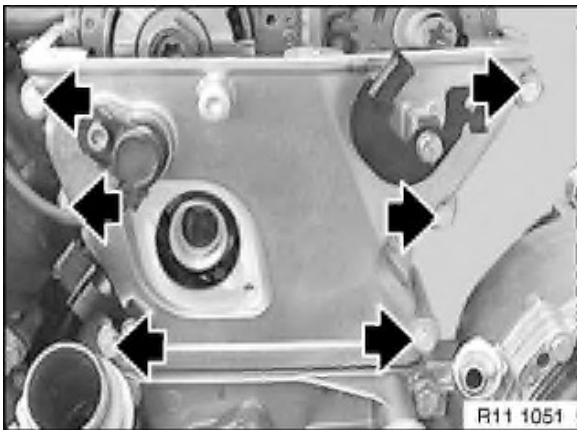
Disconnect plug connection to check valve.

Detach secondary-air line on timing case cover, top left and right.

Detach secondary-air line on bracket and remove.

Installation:

Clean sealing faces on cylinder head, replace sealing ring on secondary-air line and apply a thin coat of grease as anti-friction agent.



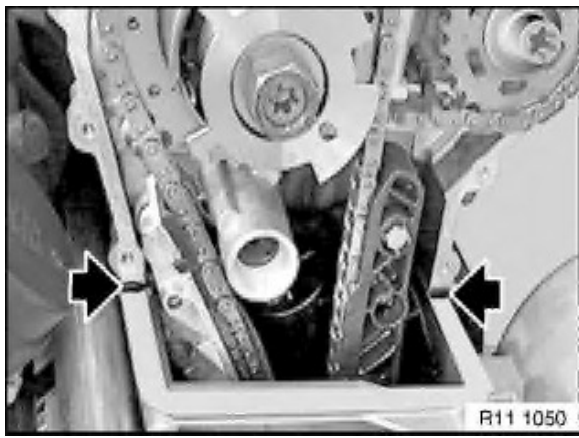
Unfasten timing case cover.



Remove rubber sealing strip.

Installation:

Clean groove for rubber profile seal and sealing surfaces of remains of seal.



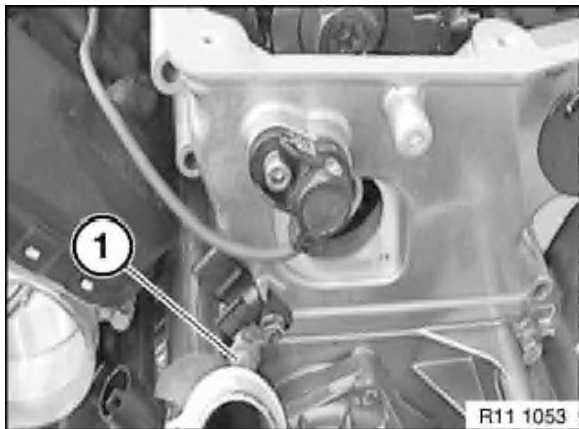
Installation:

Keep sealing faces clean and free of oil.

Apply coat of Drei Bond 1209 to joint between cylinder head and lower timing case cover (refer to BMW Parts Service).



Seat new rubber seal in groove.

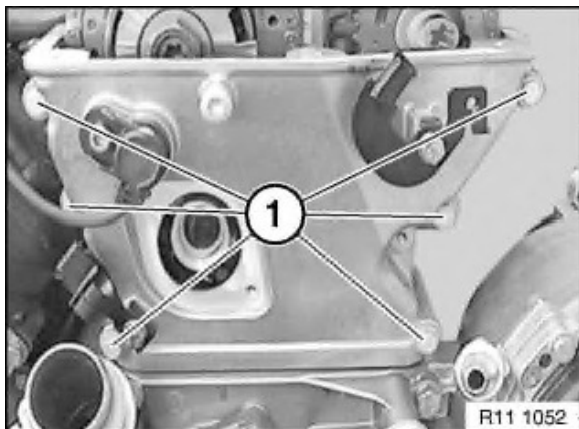


Installation:

Ensure that seal is correctly seated, then fit timing case cover with inserted screw (1).

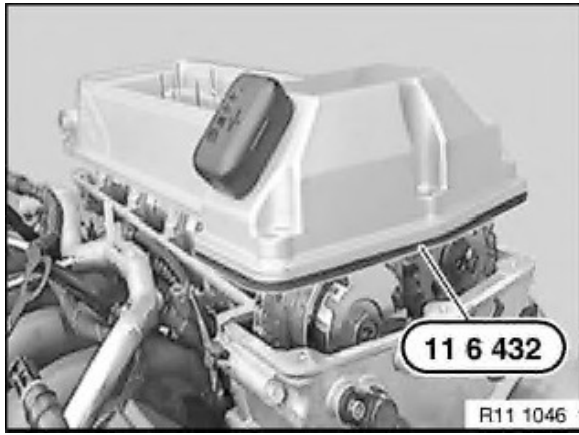
Note:

It is not possible to insert screw (1) after fitting the timing case cover.

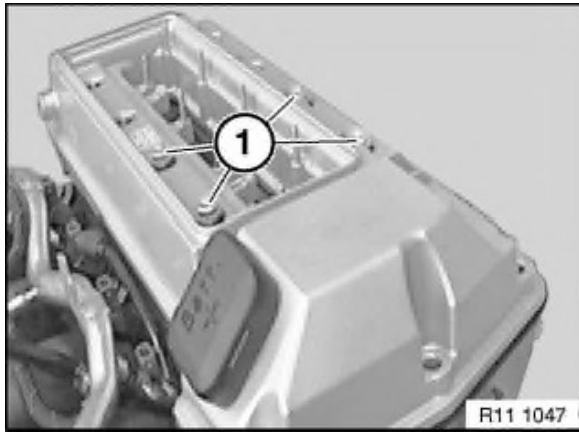


Installation:

Install screws (1) and fit flush with cylinder head.

**Installation:**

Remove outer and inner gasket from cylinder head cover.
Insert special tool 11 6 432 from special tool kit 11 6 430
in groove of cover and fit cylinder head cover.

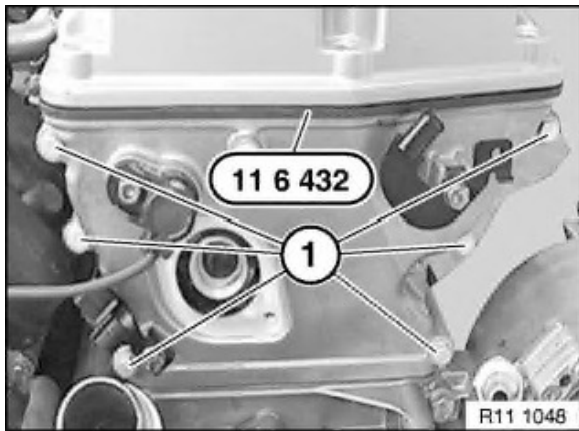
**Installation:**

Install cover nuts (1) and tighten down uniformly in 1/2 turn
steps.

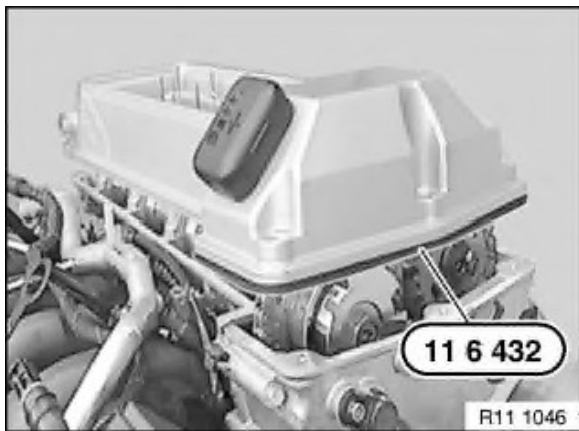
Tightening Torque,
refer to Technical Data 11 12 11AZ.

Note:

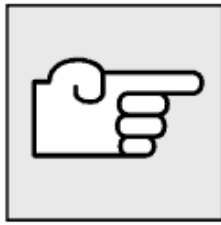
The timing case cover is pressed down onto level of cylinder
head by cylinder head cover.

**Installation:**

Tighten screws (1) on timing case cover in two passes.



Remove cylinder head cover and remove special tool 11 6 432.



Remove solenoid valve of camshaft adjustment unit, left,
refer to 11 36 585.
Assemble engine.