Left and Right Timing Chain Covers

Special tools and workshop equipm entrequired

t H and drillw ith plastic brush attachm ent

t Protective eyew ear

t Sealant, refer to → Electronic Parts Catalog "ETKA"

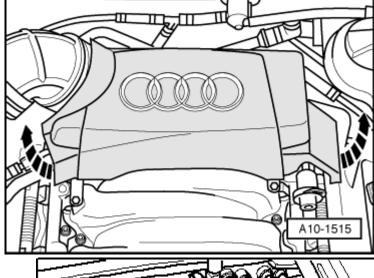
Removing



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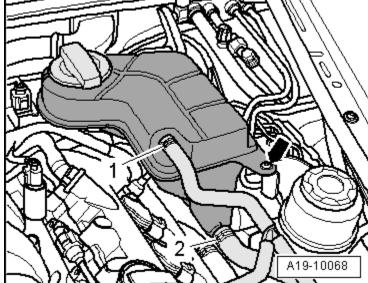
All cable ties which are opened or cutopen when removing, m ust be replaced in the same position when installing.

- Pull rear engine cover off -arrows-. Left timing chain cover:

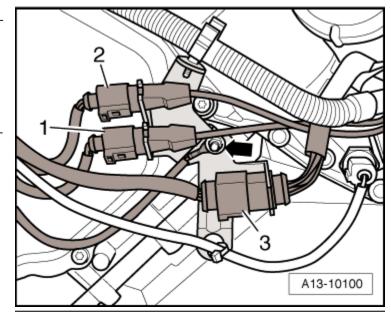


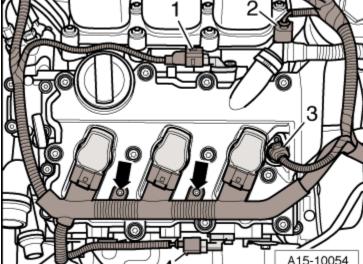
- Remove coolant expansion tank -arrow -.

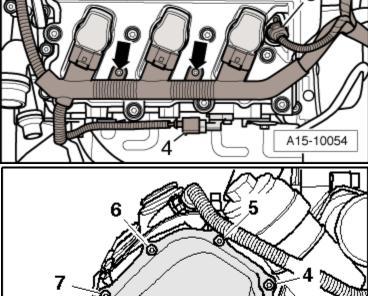
D isconnect electrical connection from
Engine Coolant Level (ECL) Warning
Switch -F66-at bottom of coolant reservoir and setaside coolant reservoir with coolant hoses -1- and -2- connected.



- Disconnectelectrical harness connectors -1 to 3-.
- Removenut-arrow-.
- Remove retainer for connection -3-.
- Rem ove the double-bolt lying beneath.
- Rem ove retainer for connections -1- and -







- Remove the bolts -arrows- and separate the electrical connections at the ignition coils.



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Ignore item s-1 to 4-.

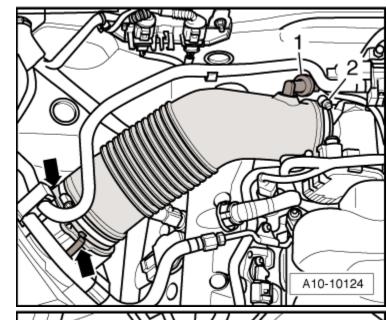
- Free up electrical wiring.

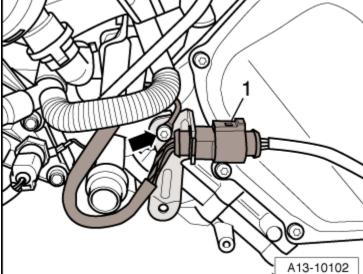
Remove the bolts-1 through 8-and then rem ove the left cover for the timing chain from the bond.

Righttiming chain cover:

A13-10254

- Disconnect check valve -1-from connection at air duct hose.
- Rem ove the airducthose, thereby loosening the hose clamp -2- and opening the clips -arrow s-.





- Remove the bolts-1 through 8-and then rem ove the right cover for the tim ing chain from the bond.

- Separate the electrical connector -1-.

for connection.

- Remove bolt-arrow-andremove retainer

Installing

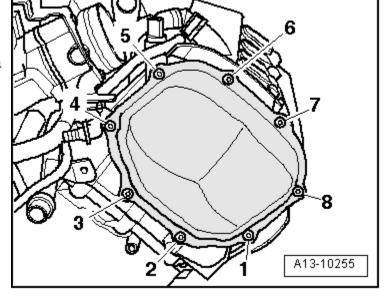


During installation, all cable ties must be reinstalled at the same location.



WARNING

W earsafety glasses.



Using for example a rotating plastic brush, remove sealant residue on covers for timing chain and on cylinder block and head.



Caution

M ake sure that no sealant residue enters the engine.

- Clean sealing surfaces so they are completely free of any oilor grease.



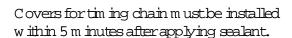
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Note the expiration date of the sealing compound.

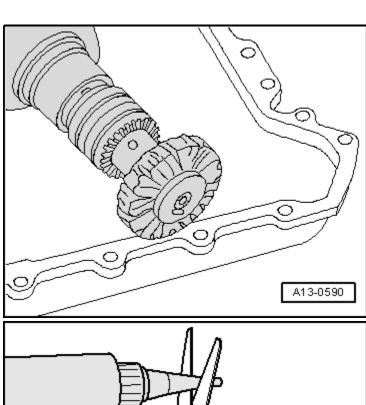
 Cuttube nozzle at frontmarking (jetdia. approximately 1 mm).

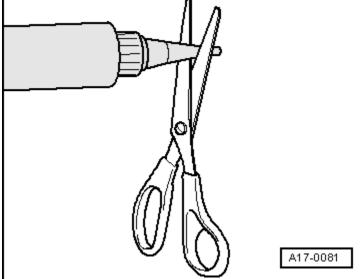


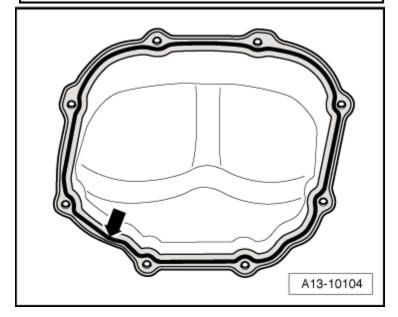
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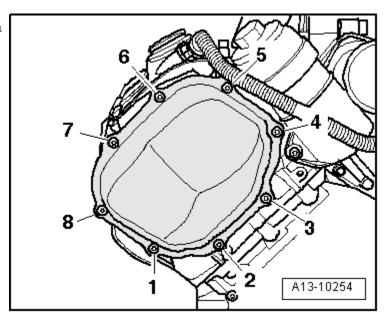
- _ Apply sealant bead -arrow -, as shown in illustration, on clean sealing surfaces of left cover for timing chain.
- The groove of sealing surface must be completely filled with sealant.
- The sealant bead m ust stand 1.5 to 2.0 m m above the sealing surface.



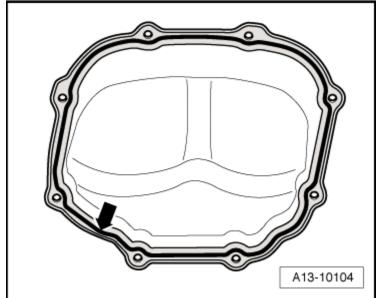




- Position left timing chain cover and tighten bolts in sequence -1 to 8-.



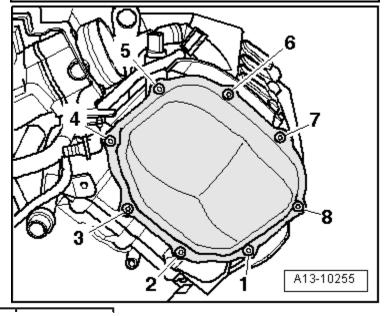
- _ Apply sealantbead -arrow -, as shown in illustration, on clean sealing surfaces of right cover for timing chain.
- The groove of sealing surface must be completely filled with sealant.
- The sealant bead m ust stand 1.5 to 2.0 m m above the sealing surface.



- Position right timing chain cover and tighten bolts in sequence -1 to 8-.

Further installation is in reverse order of removal.

Tightening Specifications



Component	Nm
Leftand rightcover for tim ing chain on engine	5+90° ¹⁾
Retainer for connections to cylinderhead	9
Hoseclamps9mmwide	3
$1^{1)}$ Replace bolts.	