

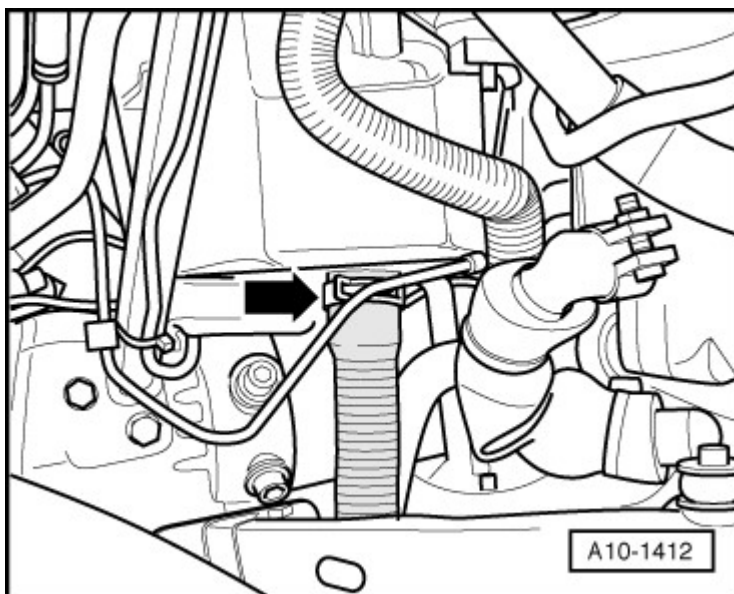
## Generator

### Special tools and workshop equipment required

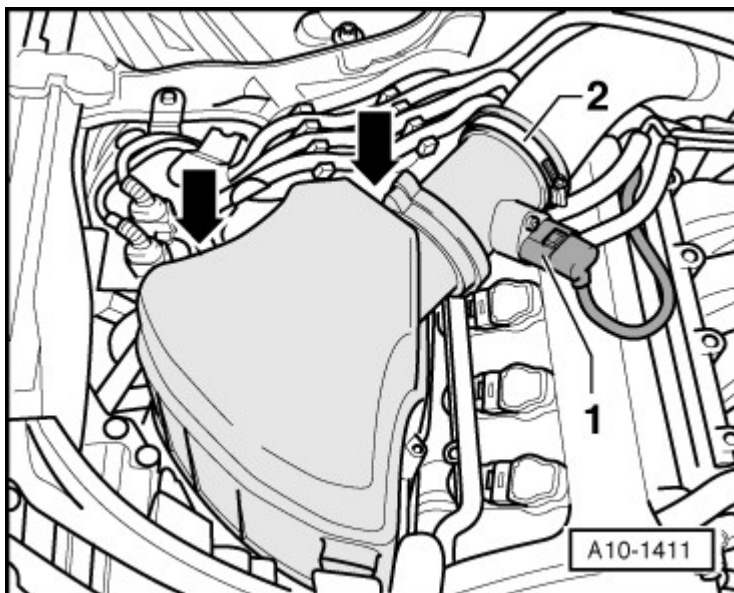
- ◆ Hose clip pliers -VAS 6362-

### Removing

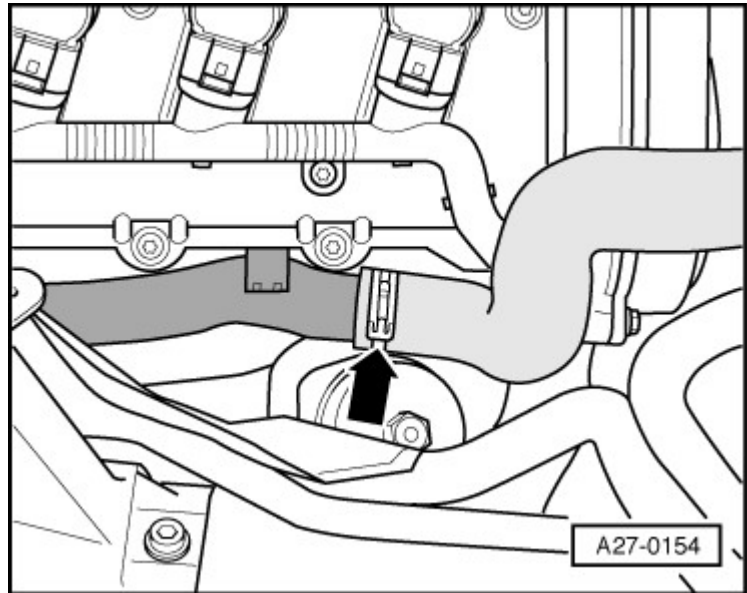
- With ignition switched off, disconnect battery ground (GND) wire. Refer to → **Chapter „Battery, Disconnecting and Connecting“**.
- Drain coolant. Refer to → **Engine Mechanical; Rep. Gr.19**.
- Remove right front wheel.
- Remove front right wheel housing liner. Refer to → **Body Exterior; Rep. Gr.66**.
- Detach hose -arrow- to secondary air pump at bottom of air cleaner housing.



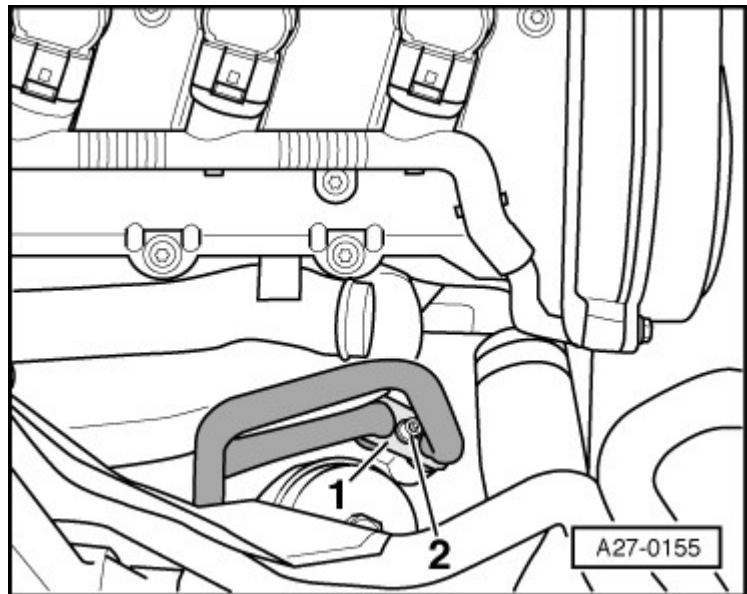
- Detach air hose -2- at air cleaner housing.
- Disconnect electrical connector -1-.
- Remove bolts -arrows- and take out air cleaner housing.



- Detach upper coolant hose -arrow- from radiator.



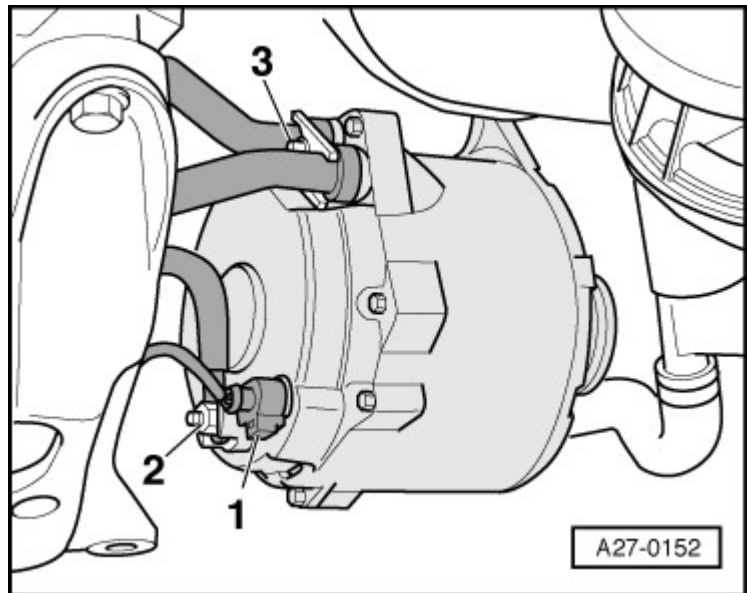
- Remove bolt -1- and detach mounting plate -2- beneath it.



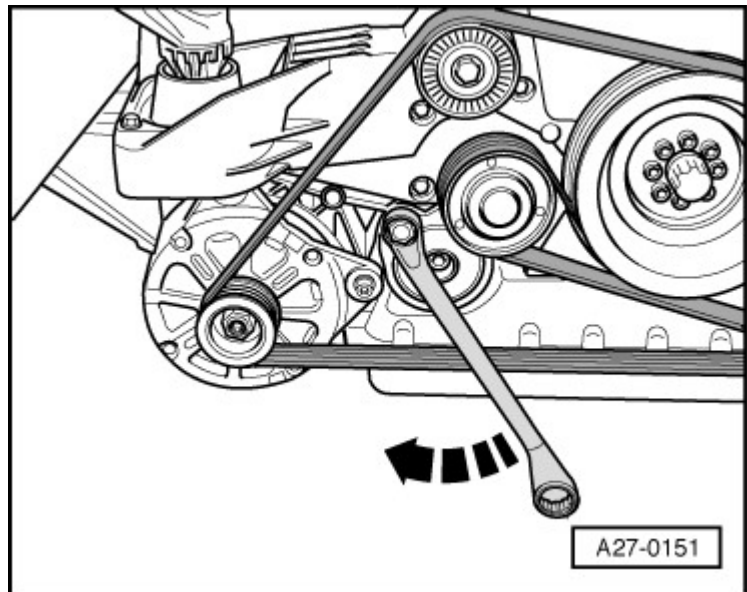
- Detach wire-2- at generator.
- Disconnect electrical connector -1-.
- Free up wiring.
- Remove bolt -3- and detach securing plate beneath it.
- Detach coolant lines at generator.

**Note**

*Before removing, mark direction of ribbed belt with chalk or felt-tipped pen. Reversing the direction of rotation of a run-in ribbed belt can destroy the belt.*



- Pivot tensioner in -direction of arrow- to release tension on ribbed belt.
- Detach ribbed belt from generator pulley.
- Release tensioner.



- Remove bolts -arrows-.



#### Note

- ♦ *If alternator sticks in holder, turn bolt back in again down to the last 2 turns.*
- ♦ *Tap carefully on bolt heads with flat side of hammer to release threaded bushings of generator mount.*
- Remove generator.

#### Installing

Install in reverse order of removal, observing the following:

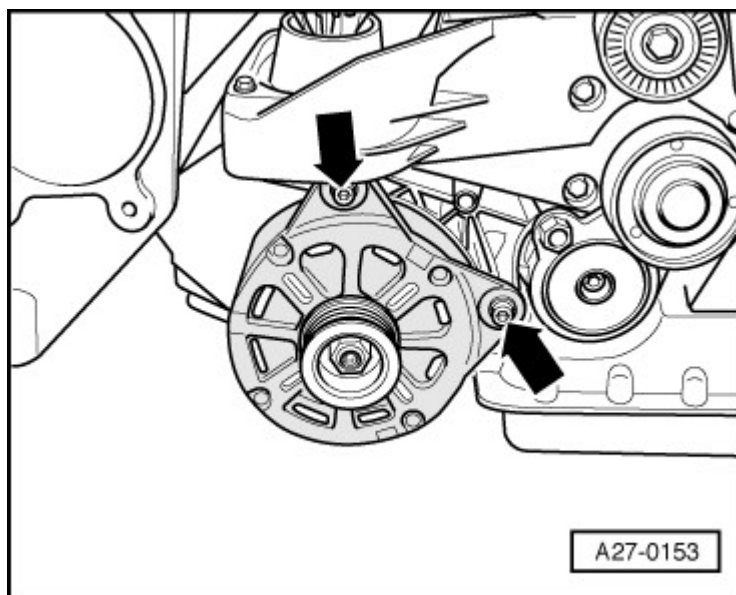
**Note**

Replace seals, gaskets and self-locking nuts.

- slightly drive back sleeves for retaining bolts in order for easier installation of generator.

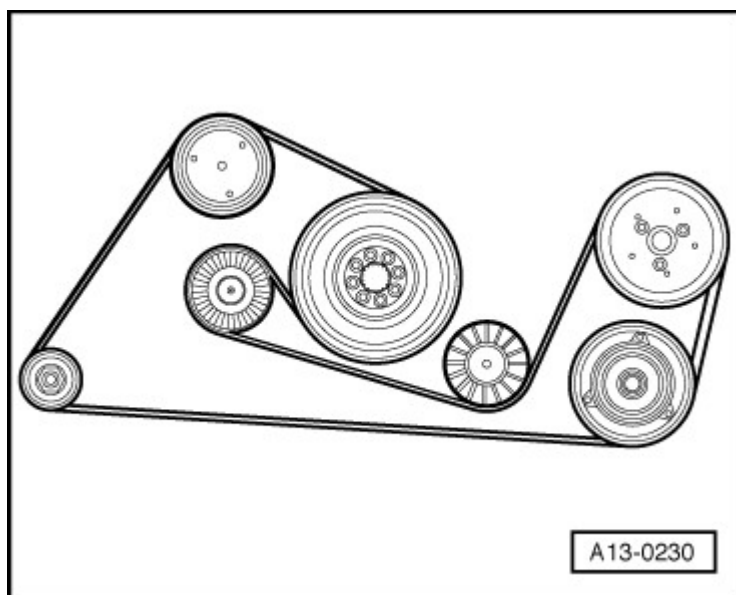
**Note**

Tight sleeves for generator mount must be made smooth-running, otherwise clamping force of sleeve is too little despite correct torque.



- Position ribbed belt over pulleys in stated sequence.

- 1 - Upper idler wheel
- 2 - Crankshaft
- 3 - Tensioner for ribbed belt
- 4 - Lower idler pulley
- 5 - Power steering pump
- 6 - A/C Compressor
- 7 - Generator

**Note**

When installing poly V-belt, make sure it is properly seated on pulleys.

- Install the right front wheel housing liner. Refer to →[Body Exterior; Rep. Gr.66](#).
- Connect battery. Required actions, refer to → [Anchor](#).
- Fill coolant. Refer to →[Engine Mechanical; Rep. Gr.19](#).
- Start engine and check belt routing.

**Tightening Specifications**

Component		Nm
Generator to generator bracket		23
Terminal 30/B+ to generator		16
Coolant pipes to	Oil filter bracket	10

Generator	10
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