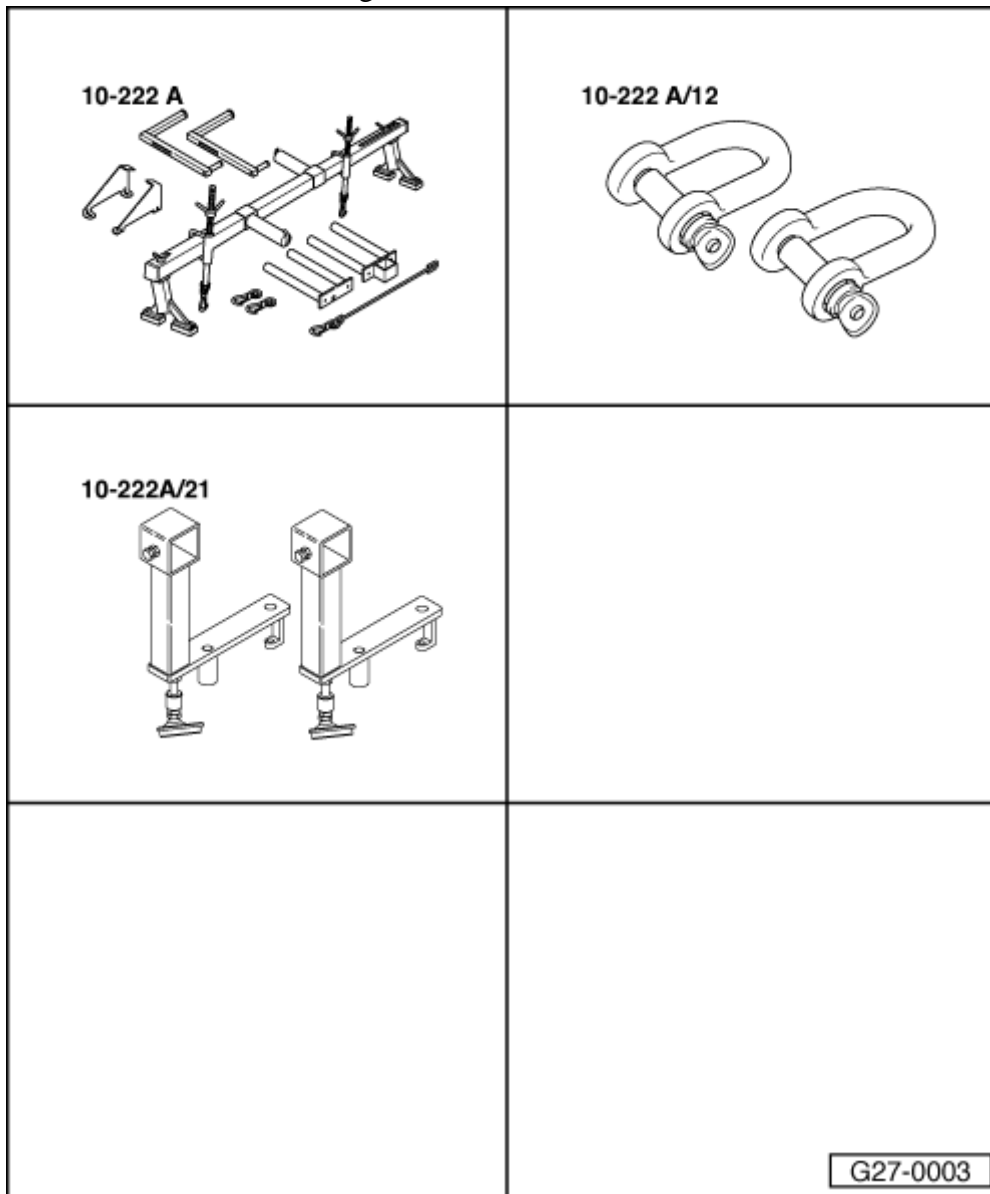


Vehicles with 4.2L MPI engine



Special tools and workshop equipment required

- t Support bar -10 - 222 A-
- t Shackles -10 - 222 A /12-
- t Adapter -10 - 222 A /21-

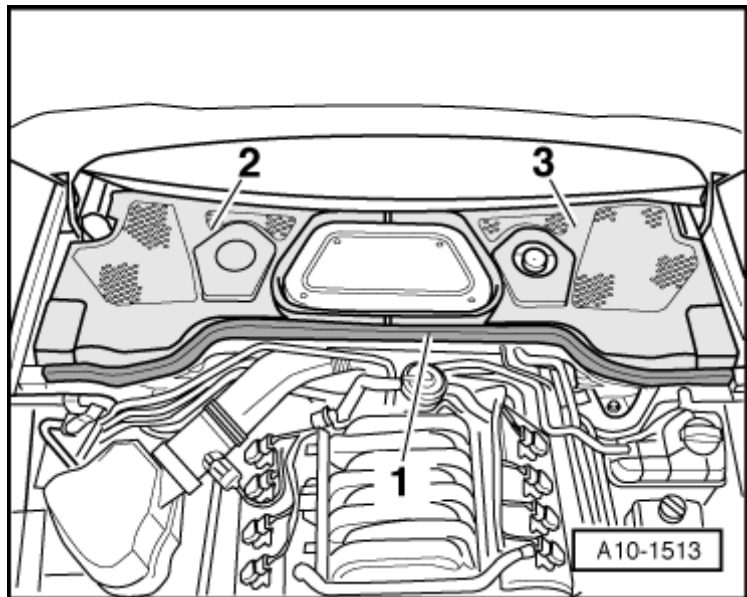
Removing

- With ignition switched off, disconnect battery Ground (GND) cable → [Chapter](#).

 Note

All cable ties opened or cut during engine removal must be reinstalled at the same locations during installation.

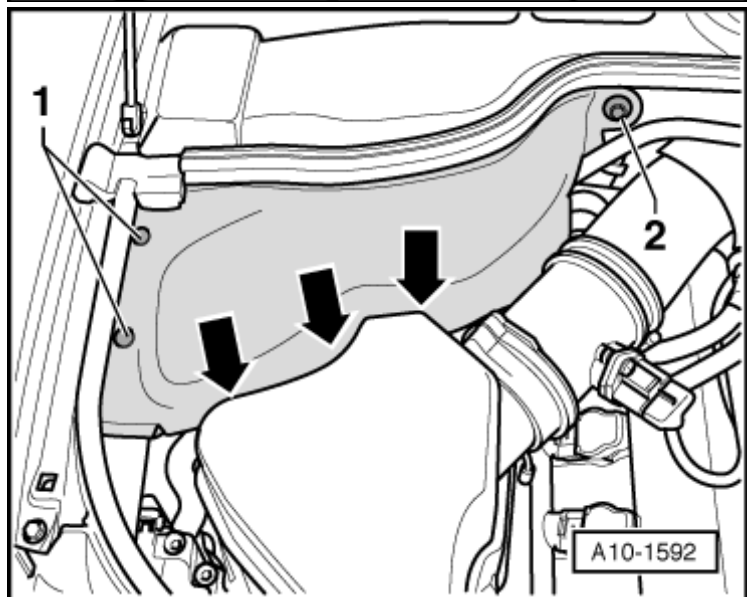
- Remove rubber seal -1- on plenum chamber covers.
- Remove plenum chamber covers -2- and -3-.



- Remove cover for right suspension strut dome by detaching expanding clip -1- and removing bolted joint -2-.

**Note**

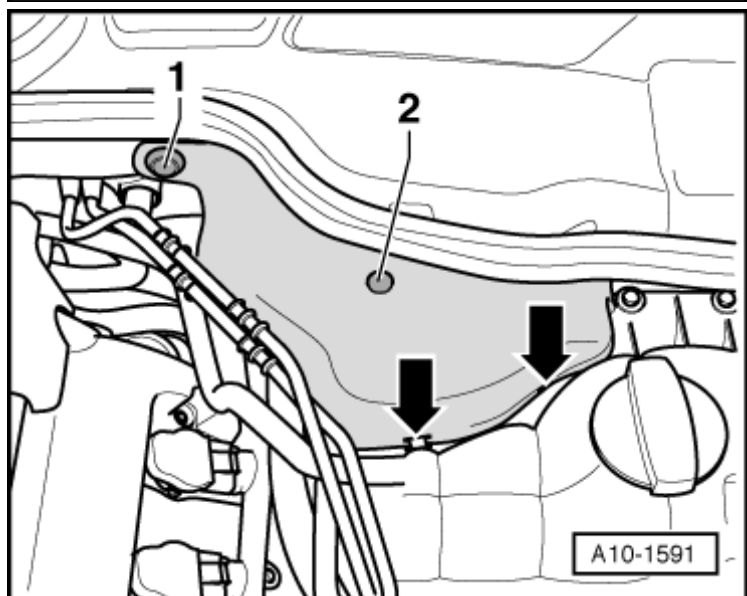
Pay attention to retaining clips -arrows- on installation.



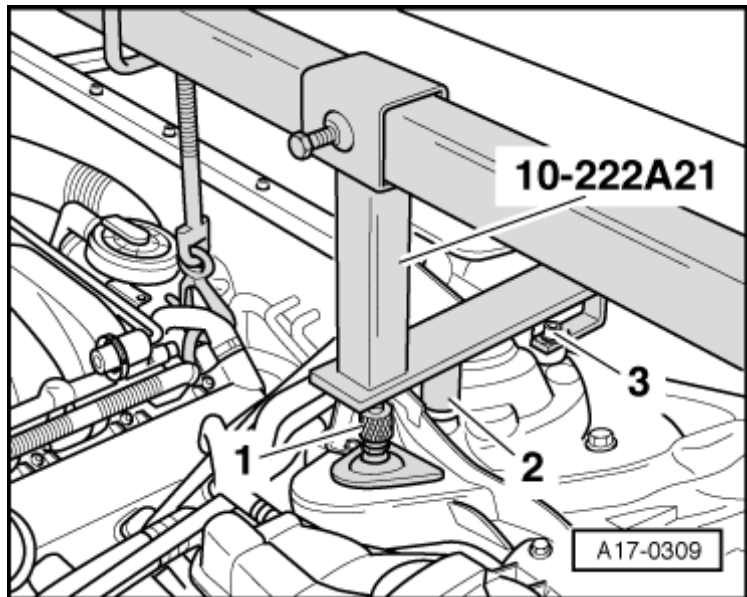
- Remove cover for left suspension strut dome by removing bolt -1- and detaching expanding clip -2-.

**Note**

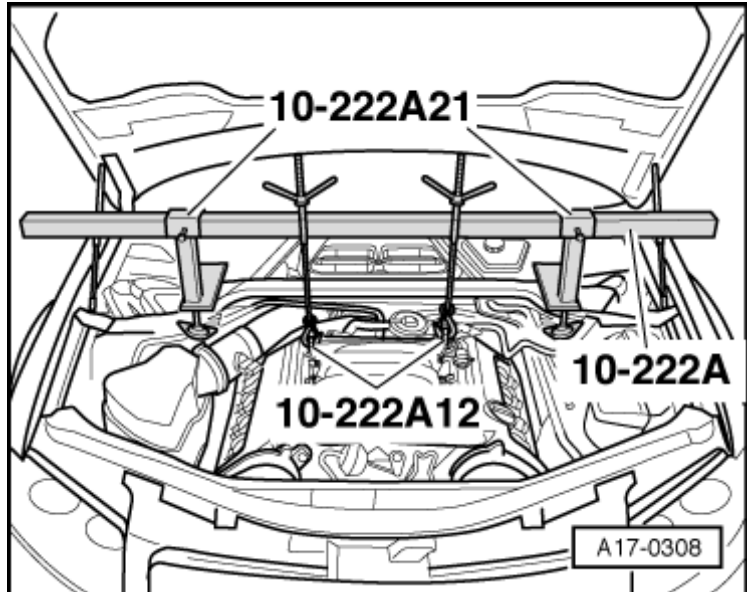
Pay attention to retaining clips -arrows- on installation.



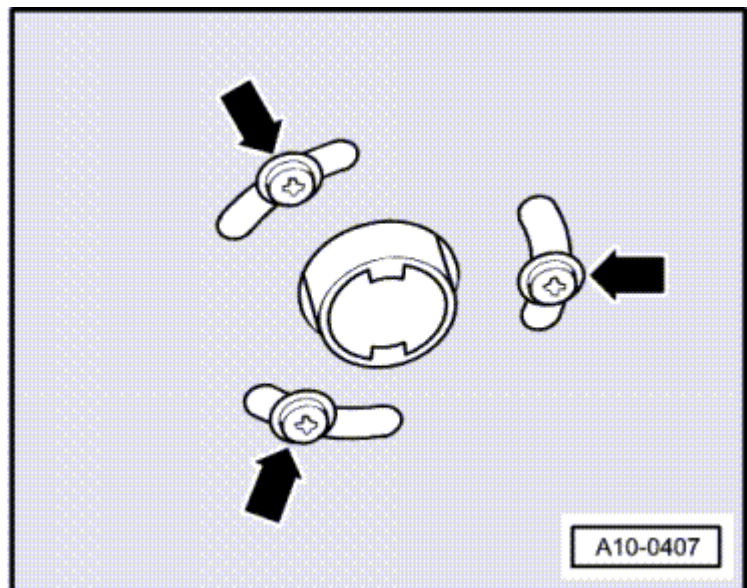
- Remove rear bolts -3- for dome brace.
- Attach Support bar -10 - 222 A- with Adapter -10 - 222 A /21- to suspension strut domes.
- 1 Supports are marked for left and right side of vehicle.
- 1 Center resting point of supports is positioned on front bolts for dome brace.
- 1 Adapters -10 - 222 A /21- are secured with rear bolts -3- for dome brace.
- 1 Knurled screw -1- must be screwed down such that support plate rests on suspension strut dome.



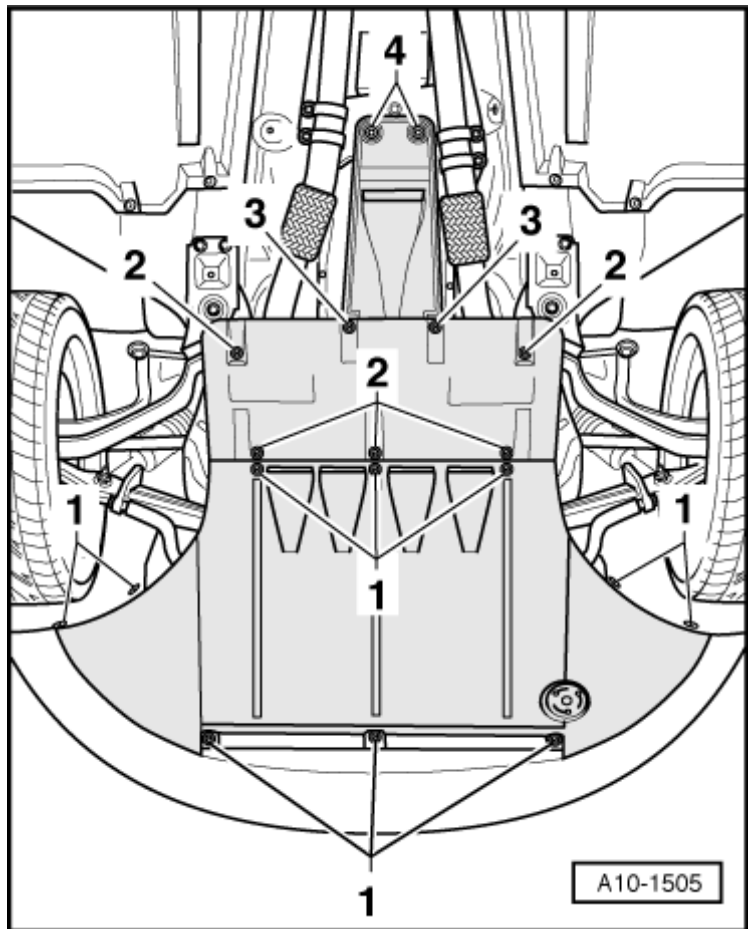
- Attach Shackles -10 - 222 A /12- to rear engine lifting eyes.
- Engage Shackle -10 - 222 A /12- at Engine Support Bridge -10 - 222 A- spindles.
- Pre-tension engine slightly with engine support bridge spindles.



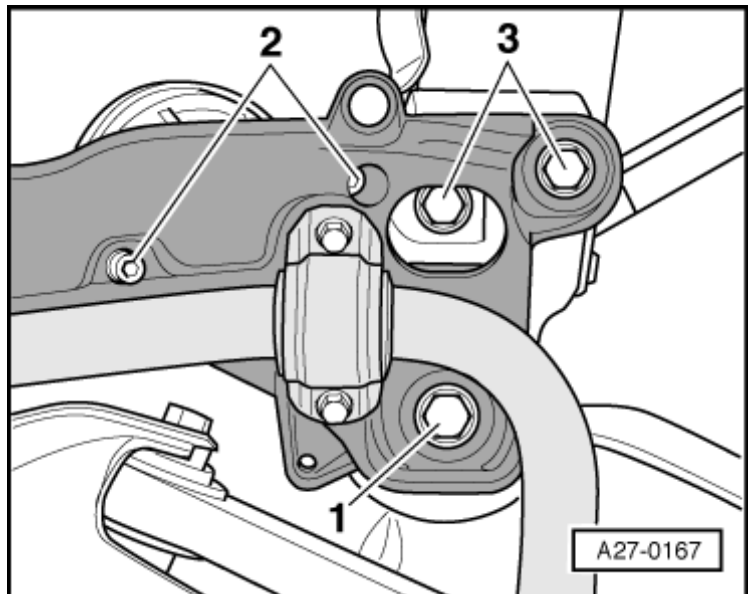
- On vehicles with parking heater, remove parking/auxiliary heater exhaust pipe screws -arrows- at noise insulation.



- Unfasten bolts/quick-release fasteners -1- and -2- and detach front noise insulation.
- Remove right front wheel.
- Remove front right wheelhousing liner
→ [Rep. Gr.66](#).

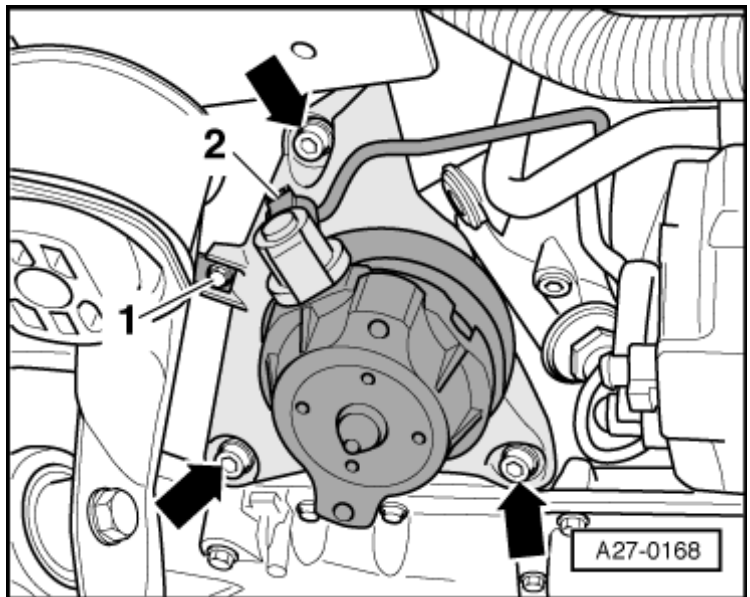


- Remove bolts -1 through 3- on both sides of vehicle.
- Lower subframe.

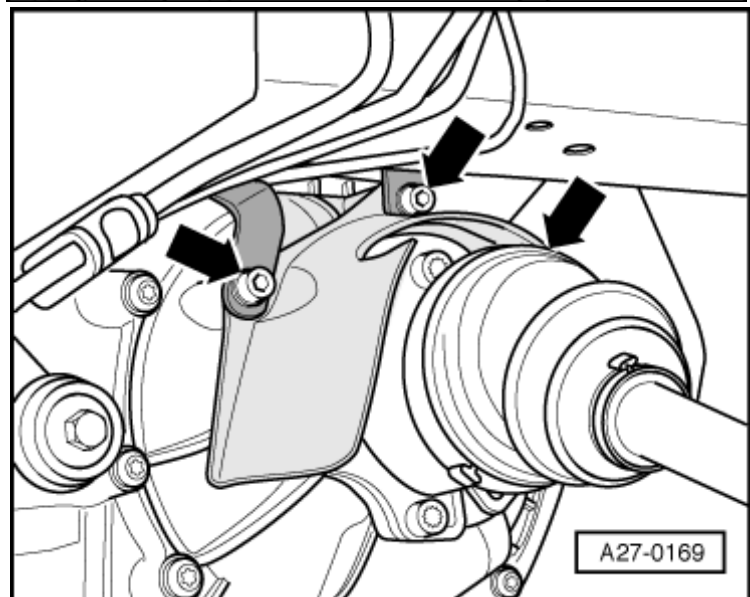


- Remove screws -arrows-.

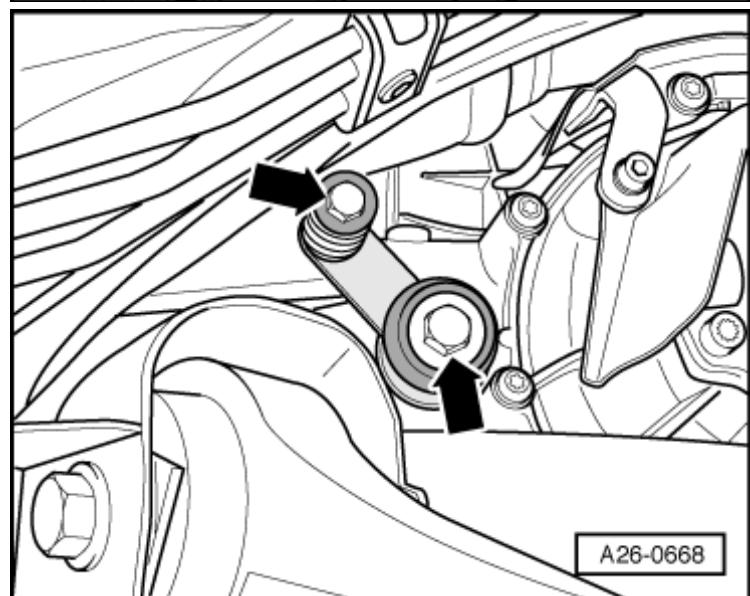
- Remove clamp -1-.
- Disconnect connector -2- at engine mount.



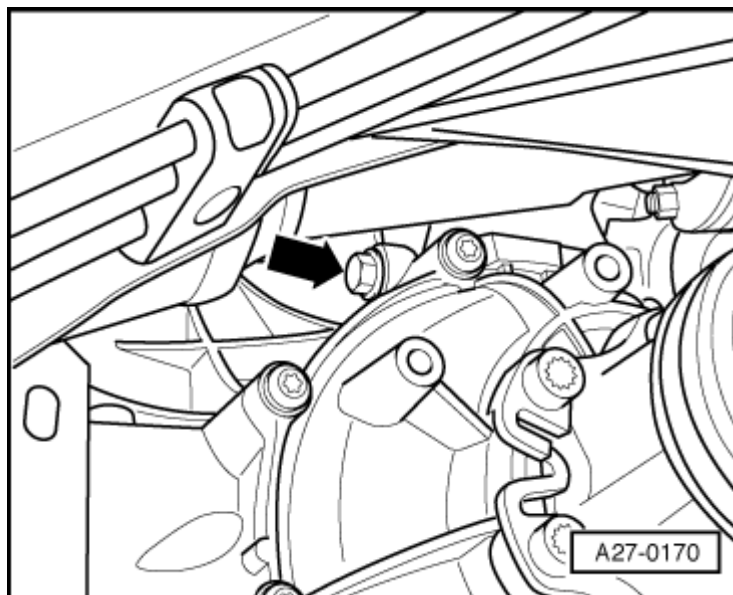
- Remove heat shield for right drive axle - arrows-.



- Remove link plate for front exhaust pipe on right -arrows-.



- Remove bolt -arrow-.



- Remove bolt -1-.
- Disconnect electrical wire for terminal B+ -item 2-
- Disconnect connector for terminal 50 - item 3-.

i Note

Depending on construction type, terminal 50 may be bolted on to starter.

- Remove starter downwards.

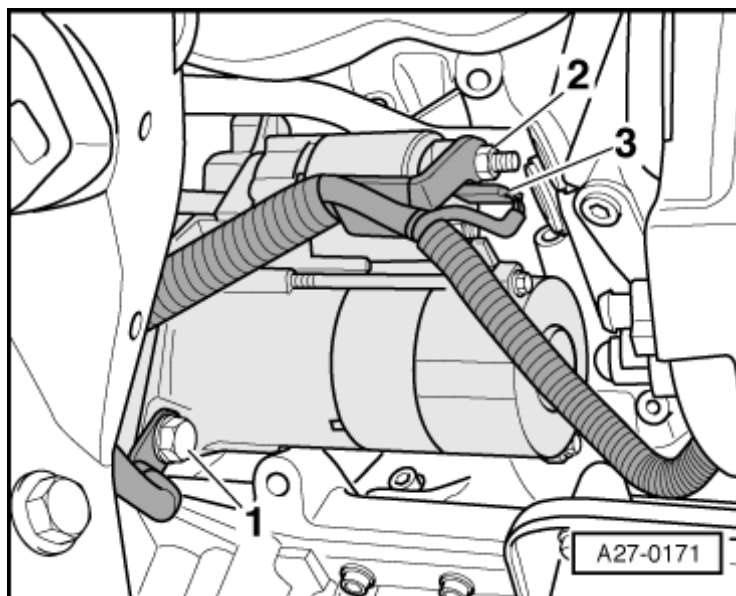
Installing

Install in reverse order of removal, observing the following:

i Note

Re-attach all cable ties at the same locations when re-installing.

- Install crossmember → [Rep. Gr.40.](#)
- Install front right wheelhousing liner → [Rep. Gr.66.](#)
- Connect battery. Required actions → [Anchor.](#)



Tightening torques

Component		Nm
Starter	M10	45
To transmission	M12	65
Terminal B+ to starter		16
Terminal 50 to starter		6,5
Bracket for exhaust system		25
Heat shield to transmission		23

Engine support to cylinder block	40
Cable clamp to engine support	10
Engine mounting to subframe	23