

2.3 Removing and installing engine mountings

⇒ [a2.3.1 nd installing engine mounting \(left-side\) - Audi A4/A5/A6/A7/Q5", page 182](#)

⇒ [a2.3.2 nd installing engine mounting \(left-side\) - Audi A8", page 184](#)

⇒ [a2.3.3 nd installing engine mounting \(left-side\) - Audi Q7/Q8", page 187](#)

⇒ [a2.3.4 nd installing engine mounting \(right-side\)", page 189](#)

⇒ [a2.3.5 nd installing support mounting \(left-side\)", page 190](#)

⇒ [a2.3.6 nd installing support mounting \(right-side\) - Audi A4/A5", page 191](#)

⇒ [a2.3.7 nd installing support mounting \(right-side\) - Audi A6/A7/A8/Q5", page 192](#)

⇒ [a2.3.8 nd installing support mounting \(right-side\) - Audi Q7/Q8", page 193](#)

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2.3.1 Removing and installing engine mounting (left-side) - Audi A4/A5/A6/A7/Q5

Removing

- Support engine in installation position ⇒ [e2.2 engine in installation position", page 166](#) and take up weight with spindle -10-222A/11- until load on engine mounting is relieved.

NOTICE

Risk of damage to the drive shafts if they are allowed to knock against the suspension struts.

- Lift the engine so that the drive shafts do not touch the suspension struts.
- If fitted, remove support mounting (left-side) ⇒ [a2.3.5 nd installing support mounting \(left-side\)", page 190](#) .

Audi A4/A5/A6/A7:

- Remove wheel spoiler (front left) ⇒ General body repairs, exterior; Rep. gr. 66; Wheel housing liners; Assembly overview - front wheel housing liner.

Audi Q5:

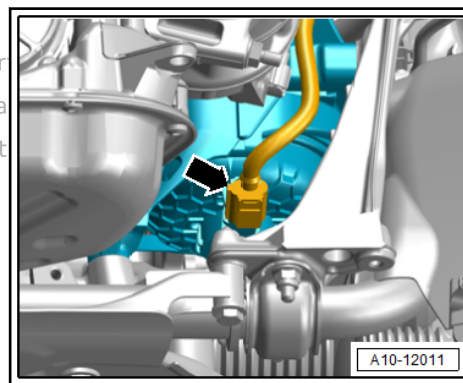
- Remove front longitudinal member (bottom left) ⇒ General body repairs, exterior; Rep. gr. 50; Lock carrier; Assembly overview - lock carrier.

All vehicles (continued):

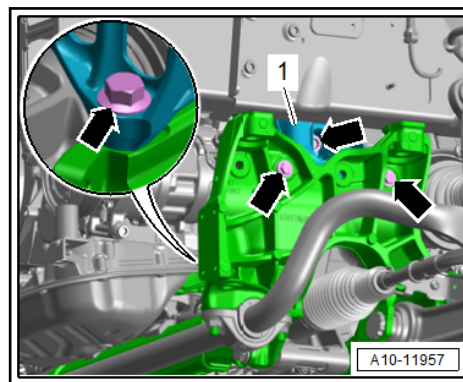
- Detach poly V-belt from air conditioner compressor pulley ⇒ [a1.3.2 nd installing poly V-belt for air conditioner compressor", page 214](#) .
- Remove air conditioner compressor from bracket and tie up to left side ⇒ Heating, air conditioning; Rep. gr. 87; Air conditioner compressor; Detaching and attaching air conditioner compressor at bracket.
- Unplug electrical connector -arrow- for left electrohydraulic engine mounting solenoid valve -N144-.



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- Remove bolts -arrows-.



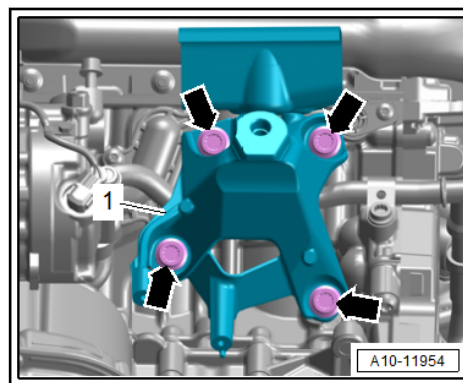
- Raise engine slightly with spindle -10-222A/11-.

Audi A4/A5/A6/A7:

- Detach engine mounting -1-.

Audi Q5:

- Place engine mounting -1- to one side.
- Unscrew bolts -arrows- and remove engine support.



- Detach engine mounting.

Installing

Installation is carried out in reverse order; note the following:

- After removing, renew bolts tightened with specified tightening angle.
- Install poly V-belt ➔ [a1.3.2 nd installing poly V-belt for air conditioner compressor](#), page 214 .

- Install support mounting (left-side) ⇒ [a2.3.5 nd installing support mounting \(left-side\)](#), page 190 .
- Detach support bracket ⇒ [e2.2 ngine in installation position](#), page 166 .

Tightening torques

- ◆ ⇒ [o2.1 verview - assembly mountings](#), page 158
- ◆ ⇒ General body repairs, exterior; Rep. gr. 50; Lock carrier; Assembly overview - lock carrier
- ◆ ⇒ General body repairs, exterior; Rep. gr. 66; Wheel housing liners; Assembly overview - front wheel housing liner
- ◆ ⇒ Heating, air conditioning; Rep. gr. 87; Air conditioner compressor; Assembly overview - air conditioner compressor

2.3.2 Removing and installing engine mounting (left-side) - Audi A8

Removing

- Support engine in installation position ⇒ [e2.2 ngine in installation position](#), page 166 and take up weight with spindle -10-222A/11- until load on engine mounting is relieved.



NOTICE

Risk of damage to the drive shafts if they are allowed to knock against the suspension struts.

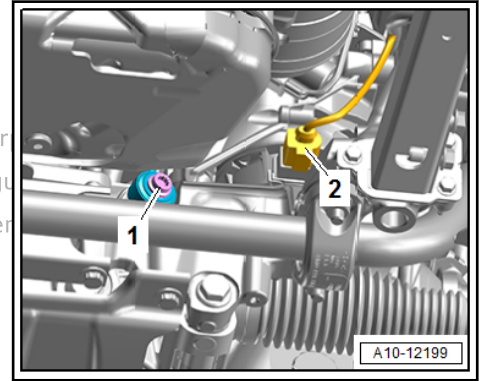
- **Lift the engine so that the drive shafts do not touch the suspension struts.**
- Remove noise insulation ⇒ General body repairs, exterior; Rep. gr. 66; Noise insulation; Assembly overview - noise insulation.
- Remove subframe shield (top section, left-side) ⇒ Running gear, axles, steering; Rep. gr. 40; Subframe; Removing and installing subframe shield.
- Remove wheel spoilers (front) on both sides ⇒ General body repairs, exterior; Rep. gr. 66; Wheel housing liners; Assembly overview - front wheel housing liner.
- Detach poly V-belt from air conditioner compressor pulley ⇒ [a1.3.2 nd installing poly V-belt for air conditioner compressor](#), page 214 .
- Remove air conditioner compressor ⇒ Heating, air conditioning; Rep. gr. 87; Air conditioner compressor; Removing and installing air conditioner compressor.
- Unplug electrical connector -2- for left electrohydraulic engine mounting solenoid valve -N144- and move electrical wiring clear.



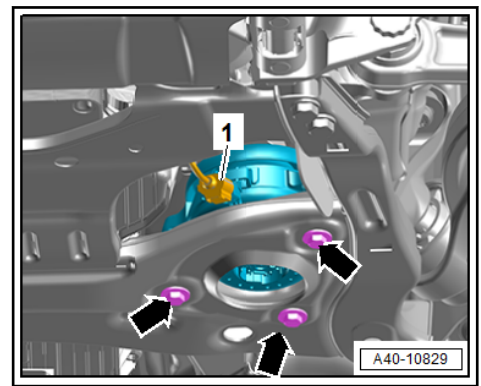
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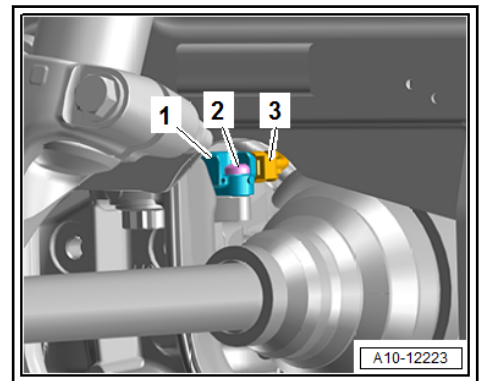
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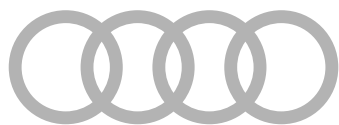
- Remove bolt -1- for support mounting (both sides).
- Remove bolts -arrows- for gearbox mounting (side) on both sides.



- Unplug electrical connector -3- for power unit mounting sender 1 -G748- -item 1- and move electrical wire clear at engine mounting (left-side).

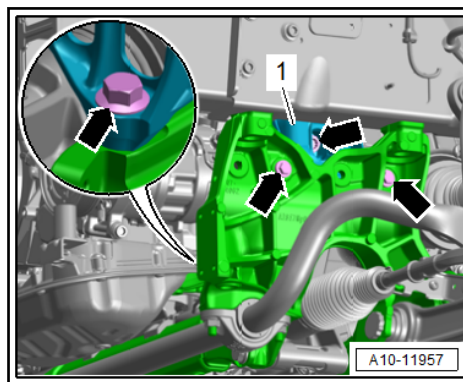
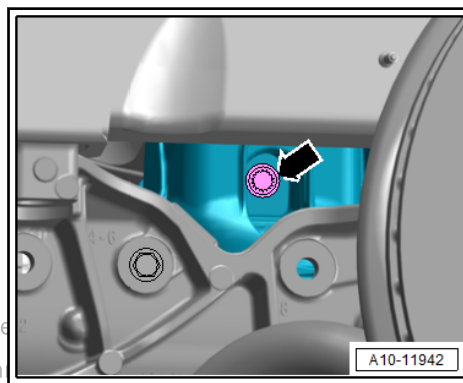


- Remove bolt for engine mountings -arrow- on both sides.

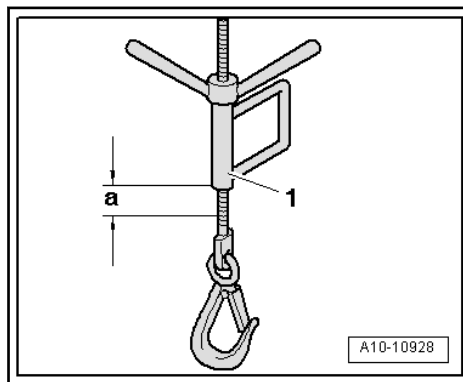


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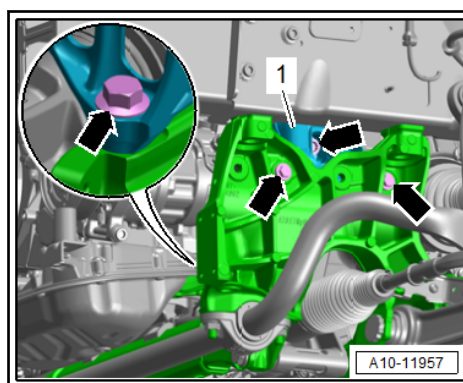
- Remove bolts -arrows-.



- Using spindle -10-222A/11- -item 1-, raise engine through distance -a-.



- Distance -a- = approx. 30 mm.
- Detach engine mounting -1-.



Installing

Installation is carried out in reverse order; note the following:

- After removing, renew bolts tightened with specified tightening angle.
- Install air conditioner compressor ⇒ Heating, air conditioning; Rep. gr. 87; Air conditioner compressor; Removing and installing air conditioner compressor.
- Install poly V-belt for air conditioner compressor ⇒ [a1.3.2 nd installing poly V-belt for air conditioner compressor", page 214](#) .
- Calibrate electrohydraulic engine mounting ⇒ [e2.7 lectrohydraulic engine mounting", page 201](#) .

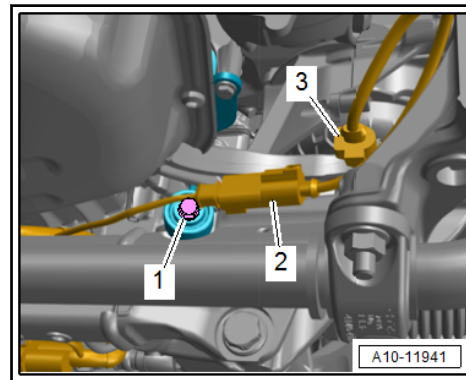
Tightening torques

- ◆ ⇒ [o2.1 verview - assembly mountings", page 158](#)
- ◆ ⇒ Gearbox; Rep. gr. 37; Assembly mountings; Assembly overview - assembly mountings
- ◆ ⇒ Running gear, axles, steering; Rep. gr. 40; Subframe; Assembly overview - subframe
- ◆ ⇒ General body repairs, exterior; Rep. gr. 66; Wheel housing liners; Assembly overview - front wheel housing liner
- ◆ ⇒ General body repairs, exterior; Rep. gr. 66; Noise insulation; Assembly overview - noise insulation

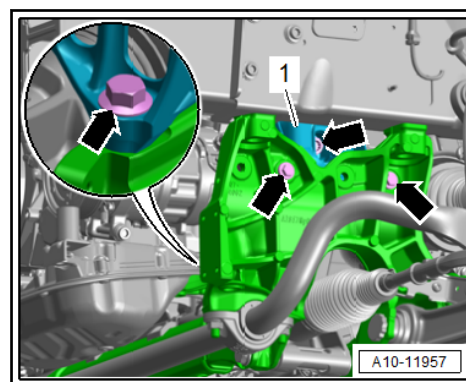
2.3.3 Removing and installing engine mounting (left-side) - Audi Q7/Q8

Removing

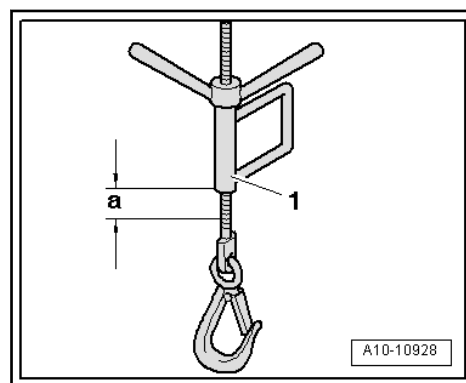
- Support engine in installation position ⇒ [e2.2 ngine in installation position", page 166](#) .
- Remove noise insulation (front) ⇒ General body repairs, exterior; Rep. gr. 66; Noise insulation; Assembly overview - noise insulation.
- Remove front section of wheel housing liner (front left) ⇒ General body repairs, exterior; Rep. gr. 66; Wheel housing liners; Assembly overview - front wheel housing liner.
- Remove front longitudinal member (bottom left) ⇒ General body repairs, exterior; Rep. gr. 50; Lock carrier.
- Detach poly V-belt from air conditioner compressor pulley ⇒ [a1.3.2 nd installing poly V-belt for air conditioner compressor", page 214](#) .
- Remove air conditioner compressor from bracket and tie up to left side ⇒ Heating, air conditioning; Rep. gr. 87; Air conditioner compressor; Detaching and attaching air conditioner compressor at bracket.
- Detach electrical connector -3- for electrohydraulic engine mounting solenoid valve from bracket and unplug connector.



- Detach electrical connector -2- from bracket, and release and unplug. Move electrical wiring clear.
- Remove support mounting (left-side) ⇒ [a2.3.5 nd installing support mounting \(left-side\)](#), page 190 .
- Remove bolts -arrows-.



- Using spindle -10-222A/11- -1-, raise engine through distance -a- on corresponding side.



- Distance -a- = approx. 20 mm.
- Detach engine mounting.

Installing

Installation is carried out in reverse order; note the following:

- After removing, renew bolts tightened with specified tightening angle.
- Install poly V-belt ⇒ [a1.3.2 nd installing poly V-belt for air conditioner compressor](#), page 214 .

Tightening torques

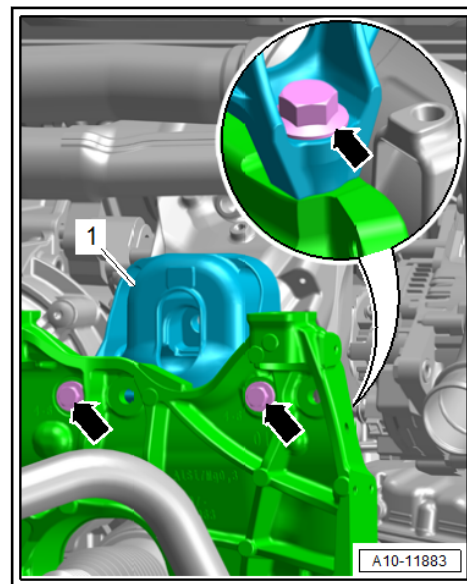
- ◆ ⇒ [o2.1 verview - assembly mountings", page 158](#)
- ◆ ⇒ General body repairs, exterior; Rep. gr. 50; Lock carrier; Assembly overview - lock carrier
- ◆ ⇒ General body repairs, exterior; Rep. gr. 66; Noise insulation; Assembly overview - noise insulation
- ◆ ⇒ General body repairs, exterior; Rep. gr. 66; Wheel housing liners; Assembly overview - front wheel housing liner
- ◆ ⇒ Heating, air conditioning; Rep. gr. 87; Air conditioner compressor; Assembly overview - air conditioner compressor

2.3.4 Removing and installing engine mounting (right-side)

Removing

- Lower subframe ⇒ Running gear, axles, steering; Rep. gr. 40; Subframe; Lowering subframe.

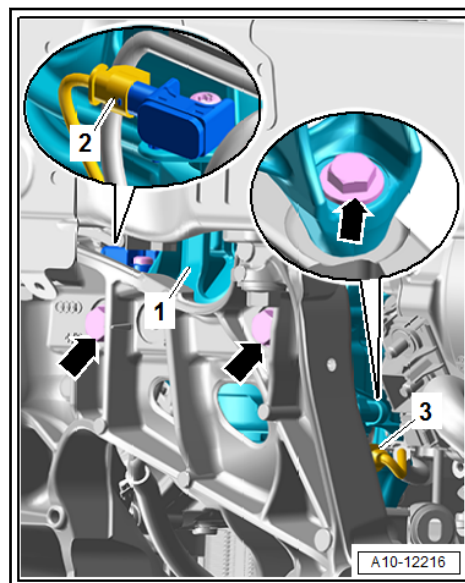
Audi A4/A5/A6/A7/Q5/Q7/Q8:



- Remove bolts -arrows-, detach engine mounting (right-side) -1 - (if necessary, unplug electrical connector).

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Audi A8:



- Unplug electrical connectors -2, 3- and move electrical wires clear.
- Remove bolts -arrows- and detach engine mounting (right-side) -1-.

Installing

Installation is carried out in reverse order; note the following:

- After removing, renew bolts tightened with specified tightening angle.
- Install subframe ⇒ Running gear, axles, steering; Rep. gr. 40; Subframe; Lowering subframe.

Audi A8:

- Calibrate electrohydraulic engine mounting ⇒ [e2.7 electrohydraulic engine mounting](#), page 201 .

Tightening torques

- ♦ ⇒ [o2.1 overview - assembly mountings](#), page 158

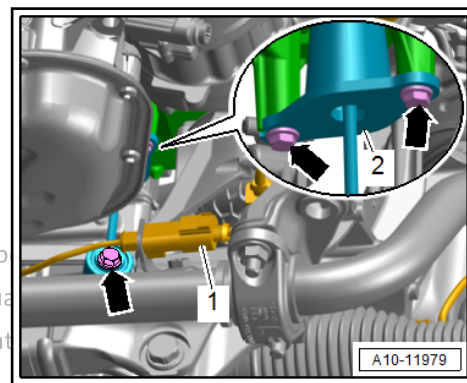
2.3.5 Removing and installing support mounting (left-side)

Removing

- Remove relevant noise insulation ⇒ [General body repairs, exterior](#); Rep. gr. 66; Noise insulation; Assembly overview - noise insulation.
- If fitted, remove electrical connector -1- from bracket.



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- Remove bolts -arrows- and detach support mounting (left-side) -2-.

Installing

Installation is carried out in reverse order; note the following:

- Installation position ⇒ [Fig. “Installation position of support mounting”, page 159](#).

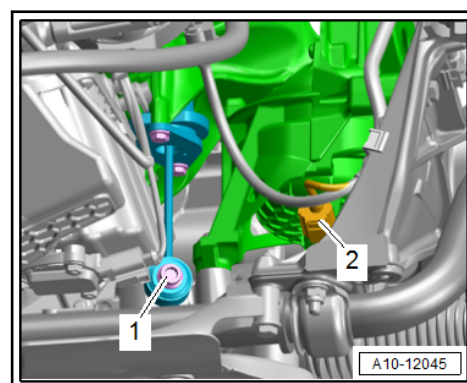
Tightening torques

- ◆ ⇒ [o2.1 overview - assembly mountings”, page 158](#)
- ◆ ⇒ General body repairs, exterior; Rep. gr. 66; Noise insulation; Assembly overview - noise insulation

2.3.6 Removing and installing support mounting (right-side) - Audi A4/A5

Removing

- Remove noise insulation (front) ⇒ General body repairs, exterior; Rep. gr. 66; Noise insulation; Removing and installing noise insulation.
- Support engine in installation position ⇒ [e2.2.1 engine in installation position - Audi A4/A5”, page 166](#).
- Remove bolt -1- for support mounting (left-side).



- Remove bolts -arrows- for support mounting (right-side) -1-.