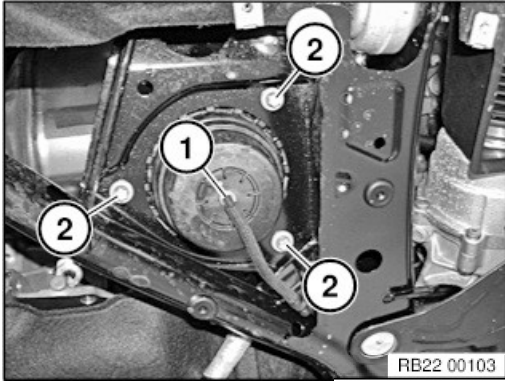


**Necessary preliminary tasks:**

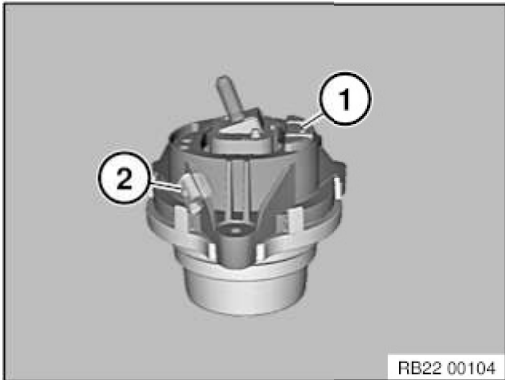
- [Remove](#) left engine support arm.



Release the vacuum line (1) from the engine mount.

Release screws (2) and remove engine mount.

Tightening torque [22 11 1AZ](#).

**Installation note:**

Remount holding clip (2) for vacuum line.

Rubber part (1) of engine mount must point to centre of vehicle.

Engine mount identification:

Right engine mount

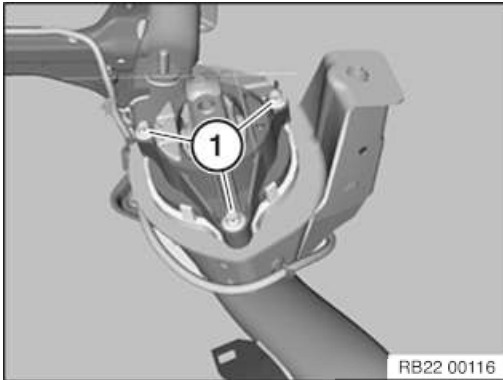
- Even component number

Left engine mount

- Odd component number

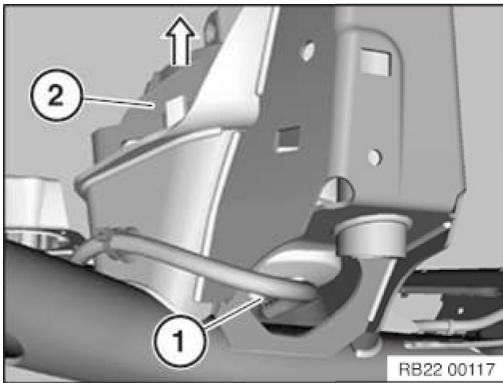
**Necessary preliminary tasks:**

- [Remove](#) left engine support arm.

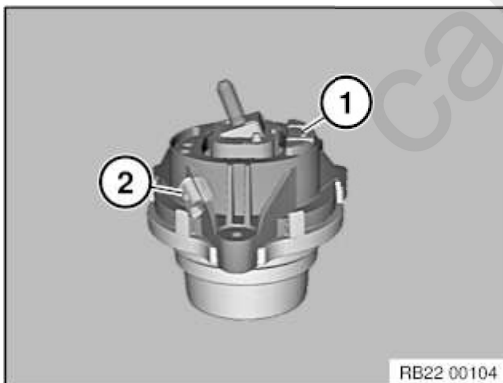


Release screws (1).

Tightening torque [22 11 1AZ](#).



Raise engine mount (2) and simultaneously release vacuum line (1).

**Installation note:**

Remount holding clip (2) for vacuum line.

Rubber part (1) of engine mount must point to centre of vehicle.

Engine mount identification:

Right engine mount

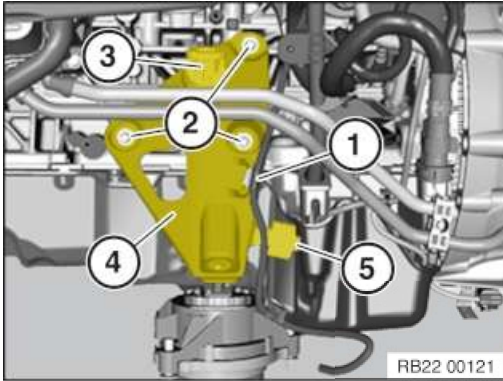
- Even component number

Left engine mount

- Odd component number

**Necessary preliminary tasks:**

- Remove [intake silencer housing](#).
- Secure [engine in installation position](#).
- Remove [rear underbody protection](#).



Unclip vacuum line from holder (1).

Unfasten screws (2).

Tightening torque [22 11 3AZ](#).

Remove engine support arm (4).

Release screw (5).

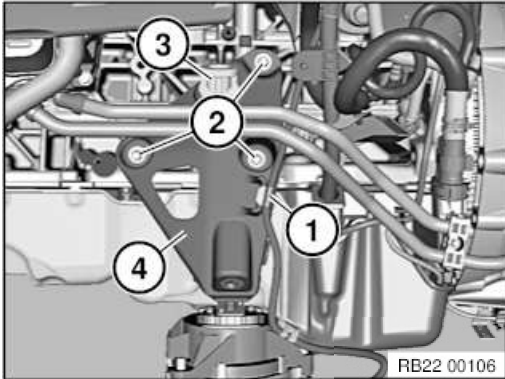
Tightening torque [22 11 4AZ](#).

Remount additional mass.

Remount grommet (3) and holder (1).

**Necessary preliminary tasks:**

- Remove [intake silencer housing](#).
- Secure [engine in installation position](#).



Unclip vacuum line from holder (1).

Unfasten screws (2).

Tightening torque [22 11 3AZ](#).

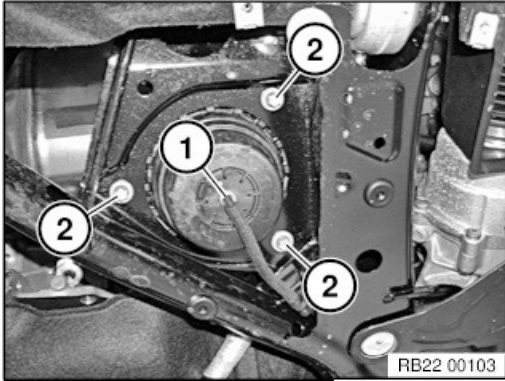
Remove engine support arm (4).

Convert grommet (3) and holder (1).

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**Necessary preliminary tasks:**

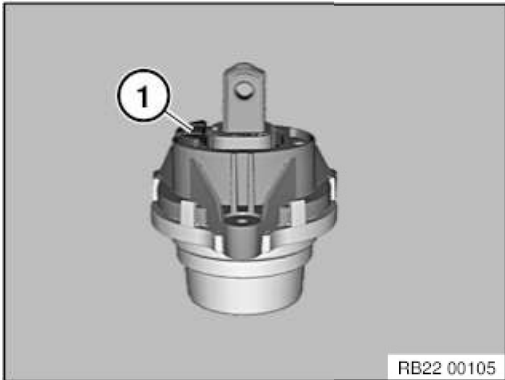
- Remove right [engine support arm](#).



Release the vacuum line (1) from the engine mount.

Release screws (2) and remove engine mount.

Tightening torque [22 11 1AZ](#).

**Installation note:**

Rubber part (1) of engine mount must point to centre of vehicle.

Engine mount identification:

Right engine mount

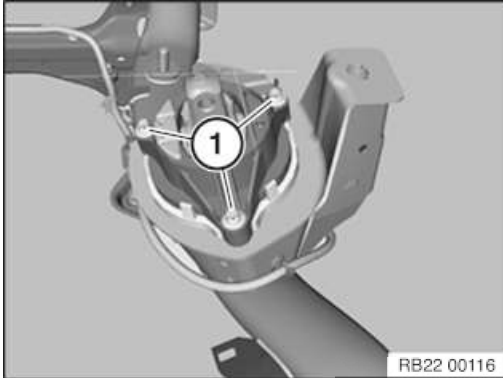
- Even component number

Left engine mount

- Odd component number

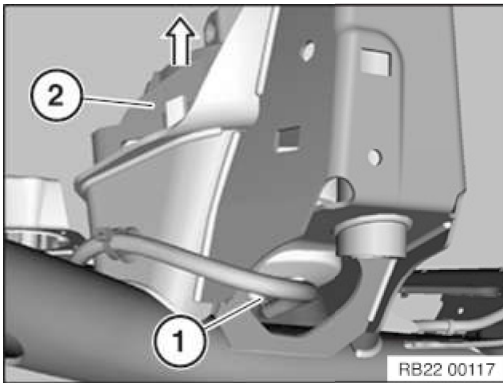
**Necessary preliminary tasks:**

- Remove right [engine support arm](#).

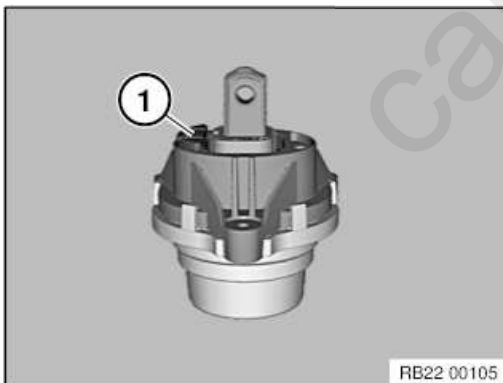


Release screws (1).

Tightening torque [22 11 1AZ](#).



Raise engine mount (2) and simultaneously release vacuum line (1).

**Installation note:**

Rubber part (1) of engine mount must point to centre of vehicle.

Engine mount identification:

Right engine mount

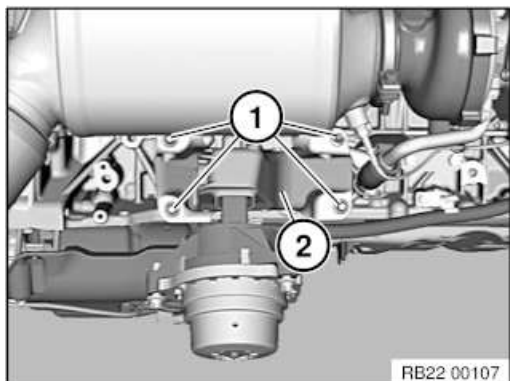
- Even component number

Left engine mount

- Odd component number

Necessary preliminary tasks:

- Secure [engine in installation position](#).
- Remove [rear underbody protection](#).



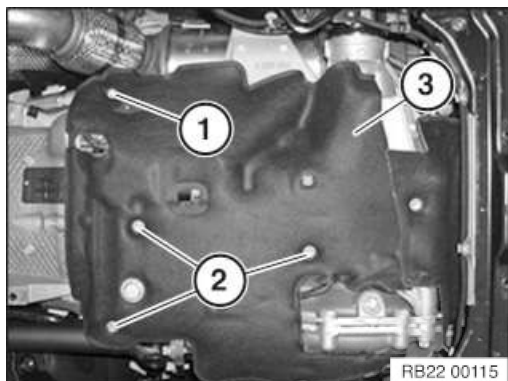
Release screws (1).

Tightening torque [22 11 3AZ](#)

Remove engine support arm (2) from engine.

Necessary preliminary tasks:

- Disconnect [negative battery cable](#).
- Secure [engine in installation position](#).
- Remove [reinforcement plate](#).
- Remove [right steering assembly cover](#).



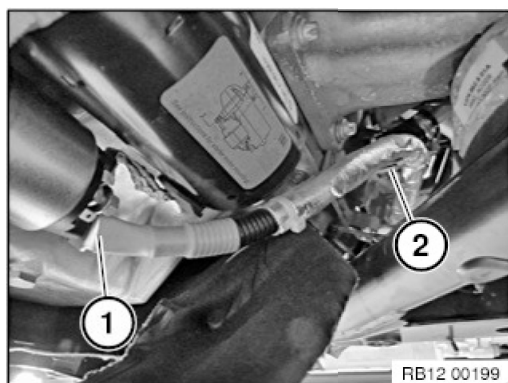
Release screw (1).

Tightening torque [11 13 4AZ](#).

Unfasten screws (2).

Tightening torque [11 13 5AZ](#).

Remove trim panel (3).

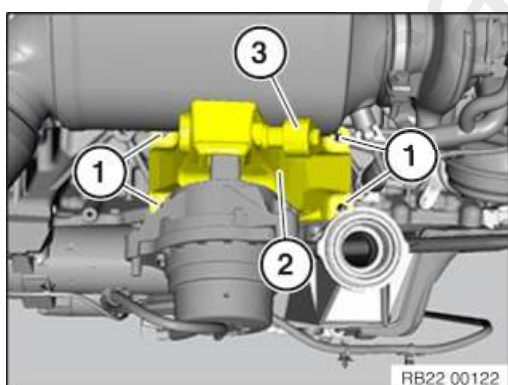


Release nut (1) on starter motor.

Tightening torque [12 52 3AZ](#).

Disconnect positive battery cable from starter motor.

Release positive battery cable from clamp (2).



Release screws (1).

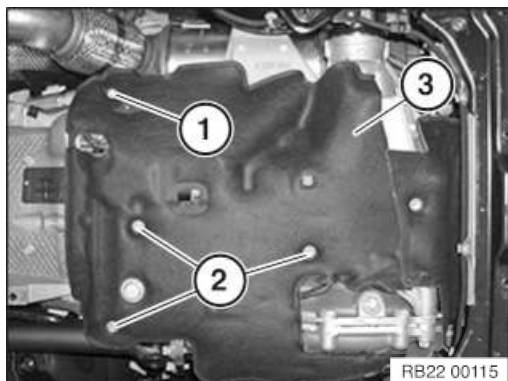
Tightening torque [22 11 3AZ](#).

Remove engine support arm (2) from engine.

Modify additional mass (3).

Necessary preliminary tasks:

- Disconnect [negative battery cable](#).
- Secure [engine in installation position](#).
- Remove [reinforcement plate](#).
- Remove [right steering assembly cover](#).



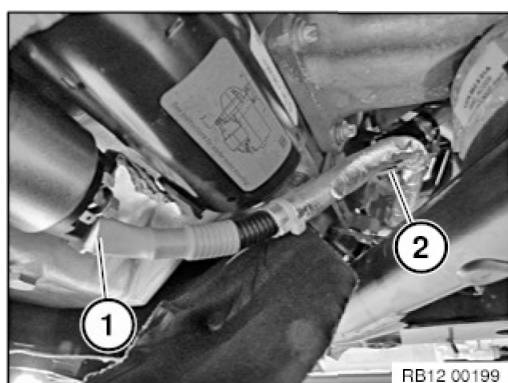
Release screw (1).

Tightening torque [11 13 4AZ](#).

Unfasten screws (2).

Tightening torque [11 13 5AZ](#).

Remove trim panel (3).

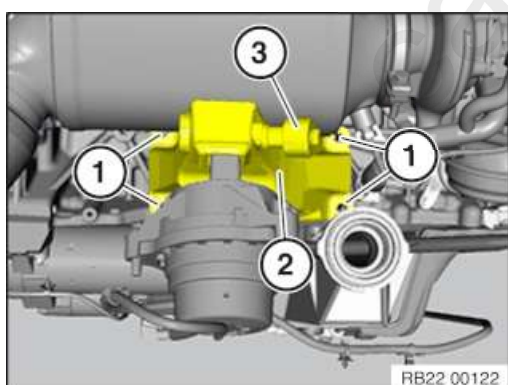


Release nut (1) on starter motor.

Tightening torque [12 52 3AZ](#).

Disconnect positive battery cable from starter motor.

Release positive battery cable from clamp (2).



Release screws (1).

Tightening torque [22 11 3AZ](#).

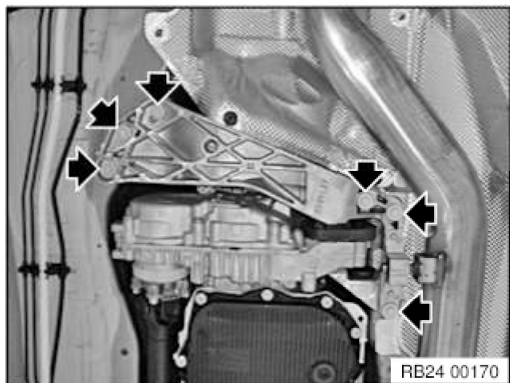
Remove engine support arm (2) from engine.

Modify additional mass (3).



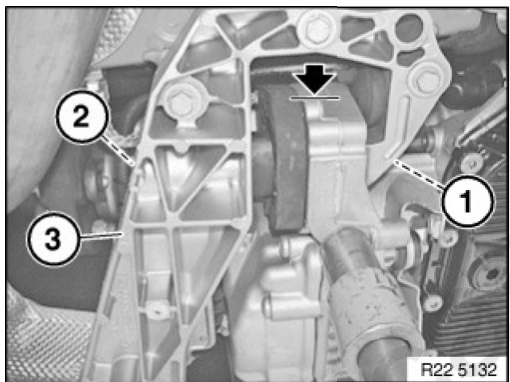
Necessary preliminary tasks:

- Remove rear [underbody protection](#).
- Release the heat shield.
- Support transmission with lifter.
- If necessary, release holder for exhaust system on transmission cross-member.



Release screws.

Tightening torque [22 32 3AZ](#).



Slacken nut (1).

Tightening torque [22 32 6AZ](#).

Pull out screw (2).

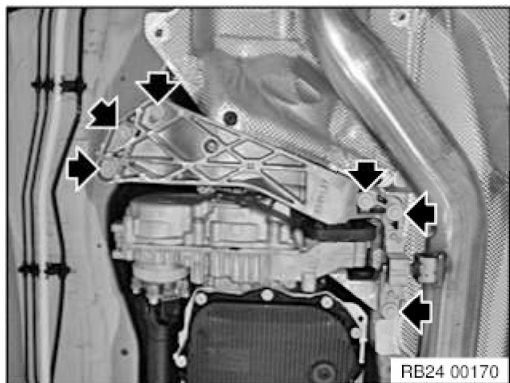
Move transmission cross member (3) in direction of arrow and remove screw (2).

Remove transmission cross-member.



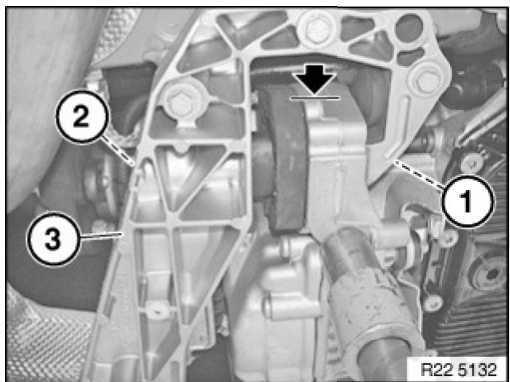
Necessary preliminary tasks:

- Remove rear [underbody protection](#).
- Release the heat shield.
- Support transmission with lifter.
- If necessary, release holder for exhaust system on transmission cross-member.



Release screws.

Tightening torque [22 32 3AZ](#).



Slacken nut (1).

Tightening torque [22 32 6AZ](#).

Pull out screw (2).

Move transmission cross member (3) in direction of arrow and remove screw (2).

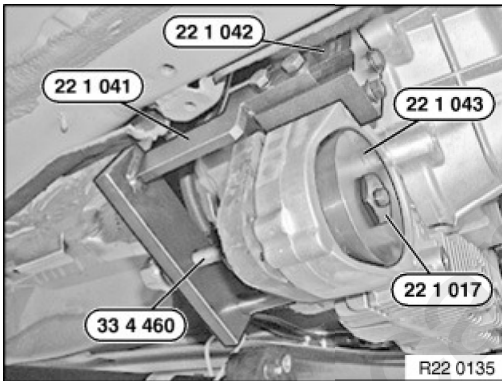
Remove transmission cross-member.

**Special tools required:**

- [22 1 041](#)
- [22 1 042](#)
- [22 1 043](#)
- [33 4 460](#)
- [22 1 017](#)
- [22 1 046](#)
- [22 1 044](#)
- [33 4 466](#)
- [33 4 465](#)

**Necessary preliminary work:**

- Remove [exhaust system](#).
- Remove [cross member](#) for transmission mounting.



Mount special tools [22 1 041](#) and [22 1 042](#) on the transfer box.

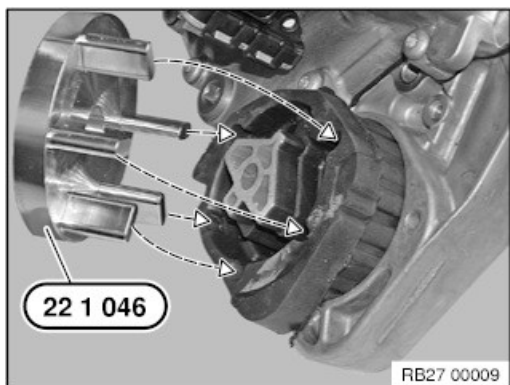
Pull out rubber mount with thrust plate [22 1 043](#) by means of spindle [33 4 460](#) and nut [22 1 017](#).

**Installation note:**

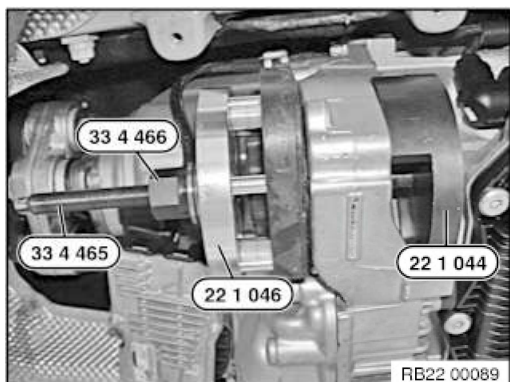
Observe installation position of rubber mount.

Arrow on rubber mount must point to arrow on housing.

Coat housing bore and rubber mount with Circolight, refer to BMW Parts Department.



Insert special tool [22 1 046](#) with pins into openings of rubber mount.



Bolt special tool [22 1 044](#) to transfer box.

Insert special tool [22 1 046](#) with pins into openings of rubber mount.

Draw in rubber mount with special tool [33 4 466](#) and [33 4 465](#).

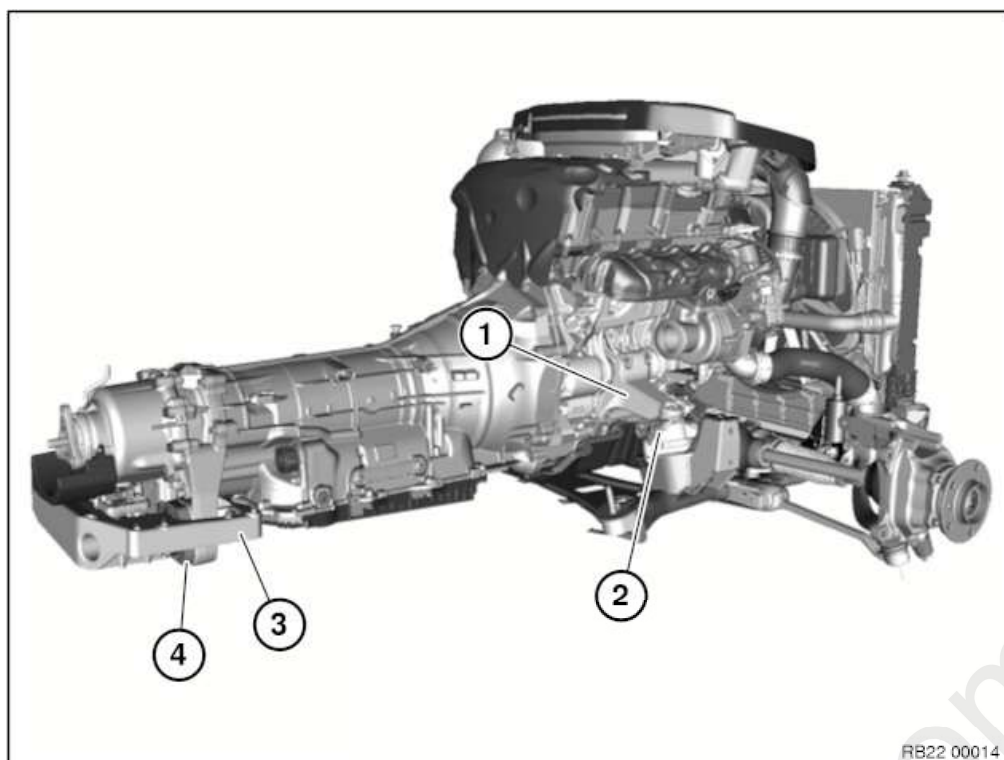
Installation note:

Auxiliary installation material - low-surface-tension water.

Do **not** coat rubber mount with grease.

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22 Overview of engine/gearbox mounting



Engine mounting:

1 [Engine support arm \(left / right\)](#)

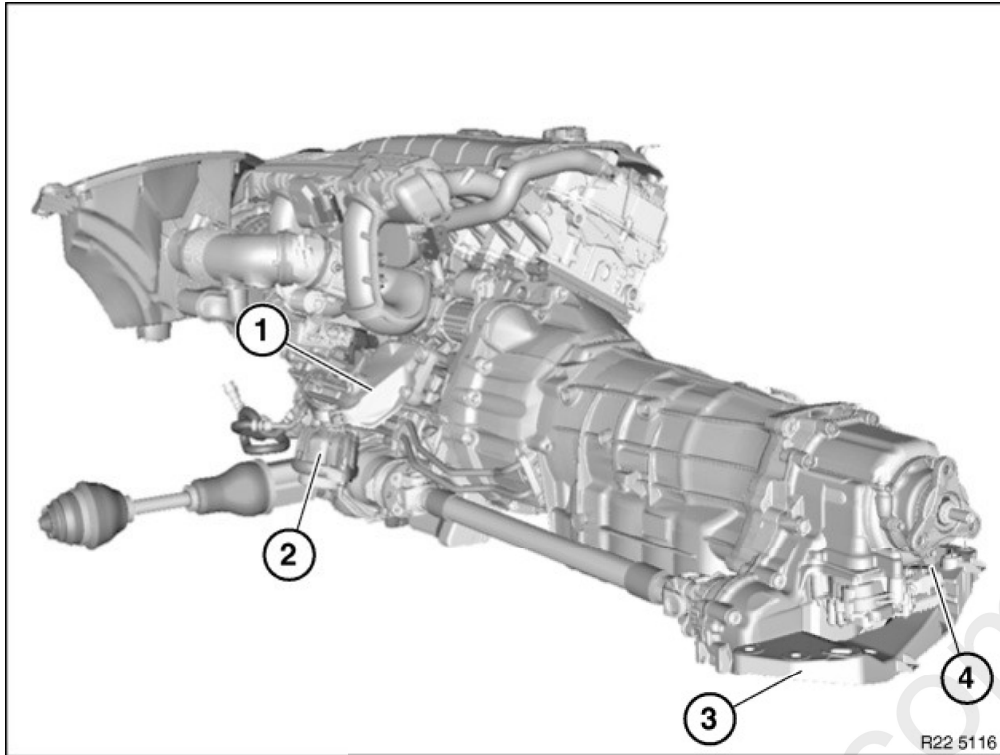
2 [Engine mount \(left / right\)](#)

Gearbox mounting:

3 [Gearbox cross member](#)

4 [Gearbox mount](#)

22 Overview of engine/transmission mounting (N57) in all-wheel drive vehicle



Engine mounting:

1 [Engine support arm \(left / right\)](#)

2 [Engine mount \(left / right\)](#)

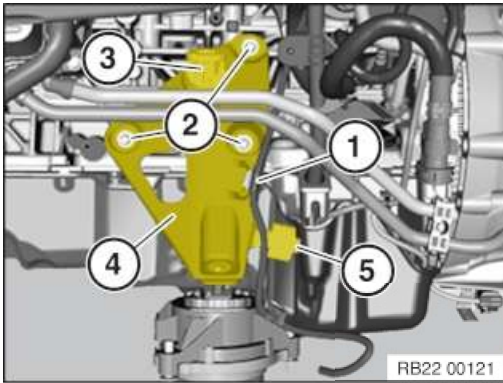
Gearbox mounting:

3 [Gearbox cross member](#)

4 [Gearbox mount](#)

**Necessary preliminary tasks:**

- Remove [intake silencer housing](#).
- Secure [engine in installation position](#).
- Remove [rear underbody protection](#).



Unclip vacuum line from holder (1).

Unfasten screws (2).

Tightening torque [22 11 3AZ](#).

Remove engine support arm (4).

Release screw (5).

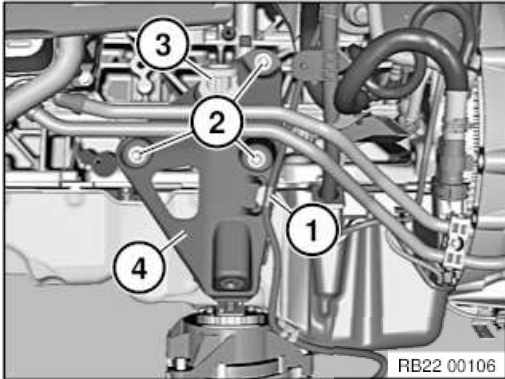
Tightening torque [22 11 4AZ](#).

Remount additional mass.

Remount grommet (3) and holder (1).

**Necessary preliminary tasks:**

- Remove [intake silencer housing](#).
- Secure [engine in installation position](#).



Unclip vacuum line from holder (1).

Unfasten screws (2).

Tightening torque [22 11 3AZ](#).

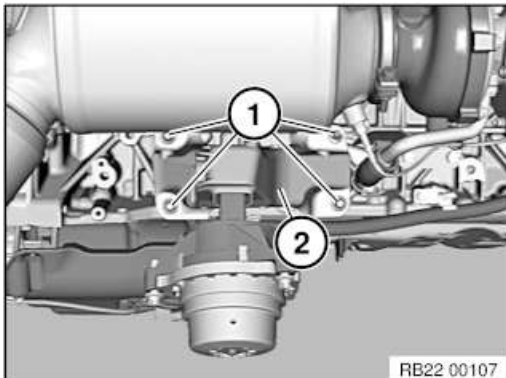
Remove engine support arm (4).

Convert grommet (3) and holder (1).

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Necessary preliminary tasks:

- Secure [engine in installation position](#).
- Remove [rear underbody protection](#).



Release screws (1).

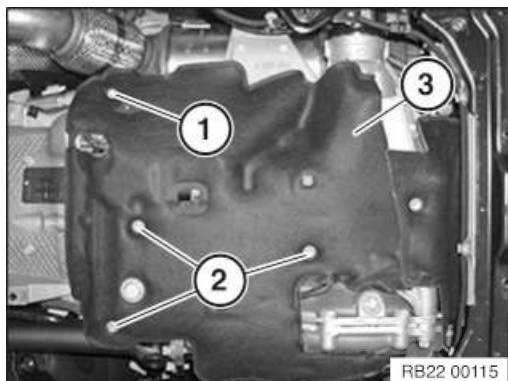
Tightening torque [22 11 3AZ](#)

Remove engine support arm (2) from engine.

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Necessary preliminary tasks:

- Disconnect [negative battery cable](#).
- Secure [engine in installation position](#).
- Remove [reinforcement plate](#).
- Remove [right steering assembly cover](#).



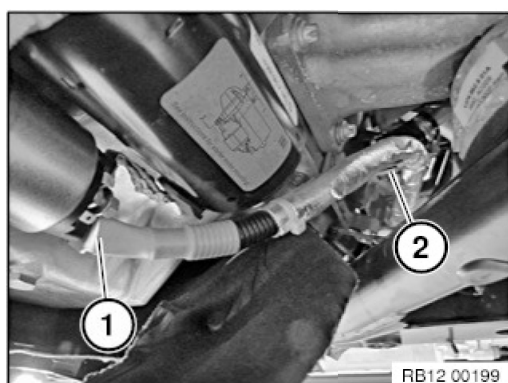
Release screw (1).

Tightening torque [11 13 4AZ](#).

Unfasten screws (2).

Tightening torque [11 13 5AZ](#).

Remove trim panel (3).

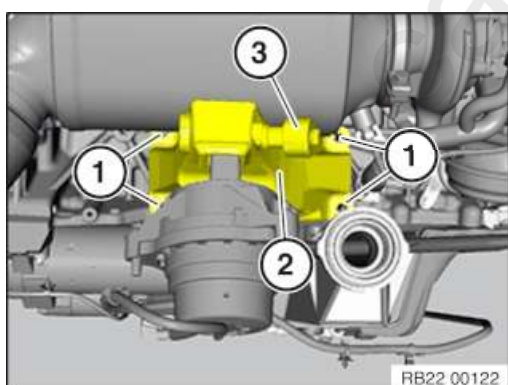


Release nut (1) on starter motor.

Tightening torque [12 52 3AZ](#).

Disconnect positive battery cable from starter motor.

Release positive battery cable from clamp (2).



Release screws (1).

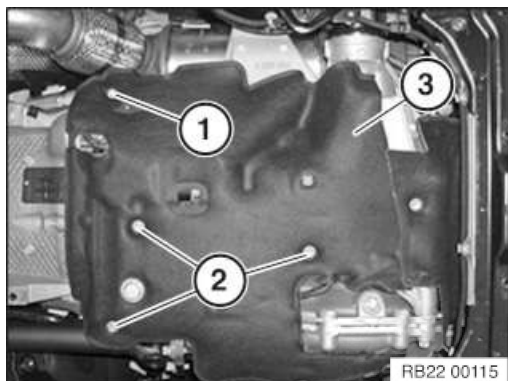
Tightening torque [22 11 3AZ](#).

Remove engine support arm (2) from engine.

Modify additional mass (3).

Necessary preliminary tasks:

- Disconnect [negative battery cable](#).
- Secure [engine in installation position](#).
- Remove [reinforcement plate](#).
- Remove [right steering assembly cover](#).



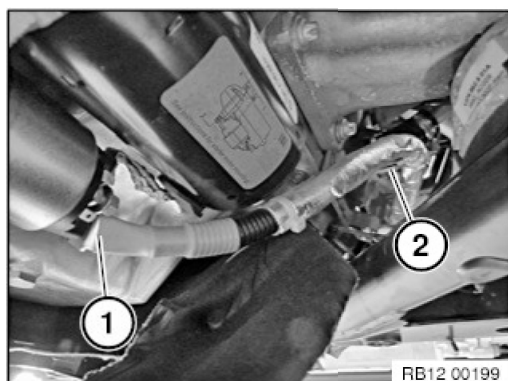
Release screw (1).

Tightening torque [11 13 4AZ](#).

Unfasten screws (2).

Tightening torque [11 13 5AZ](#).

Remove trim panel (3).

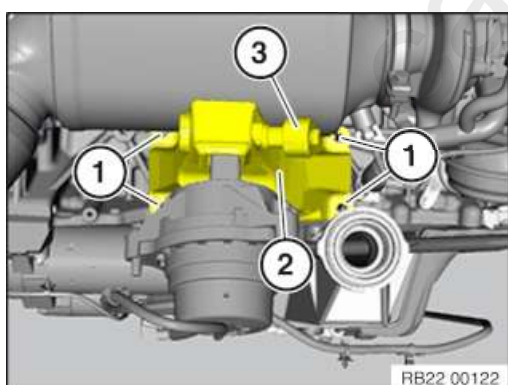


Release nut (1) on starter motor.

Tightening torque [12 52 3AZ](#).

Disconnect positive battery cable from starter motor.

Release positive battery cable from clamp (2).



Release screws (1).

Tightening torque [22 11 3AZ](#).

Remove engine support arm (2) from engine.

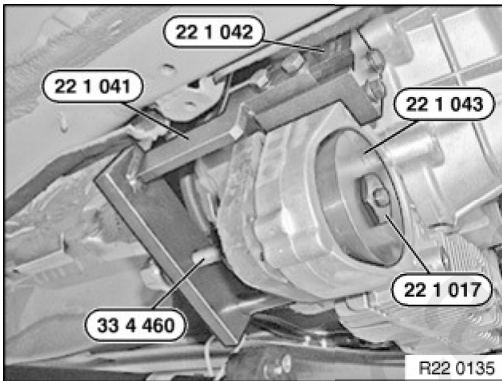
Modify additional mass (3).

**Special tools required:**

- [22 1 041](#)
- [22 1 042](#)
- [22 1 043](#)
- [33 4 460](#)
- [22 1 017](#)
- [22 1 046](#)
- [22 1 044](#)
- [33 4 466](#)
- [33 4 465](#)

**Necessary preliminary work:**

- Remove [exhaust system](#).
- Remove [cross member](#) for transmission mounting.



Mount special tools [22 1 041](#) and [22 1 042](#) on the transfer box.

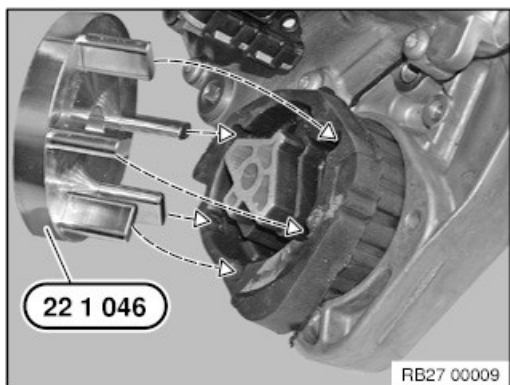
Pull out rubber mount with thrust plate [22 1 043](#) by means of spindle [33 4 460](#) and nut [22 1 017](#).

**Installation note:**

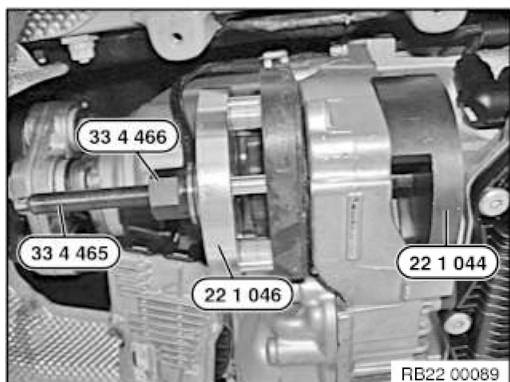
Observe installation position of rubber mount.

Arrow on rubber mount must point to arrow on housing.

Coat housing bore and rubber mount with Circolight, refer to BMW Parts Department.



Insert special tool [22 1 046](#) with pins into openings of rubber mount.



Bolt special tool [22 1 044](#) to transfer box.

Insert special tool [22 1 046](#) with pins into openings of rubber mount.

Draw in rubber mount with special tool [33 4 466](#) and [33 4 465](#).

Installation note:

Auxiliary installation material - low-surface-tension water.

Do **not** coat rubber mount with grease.

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