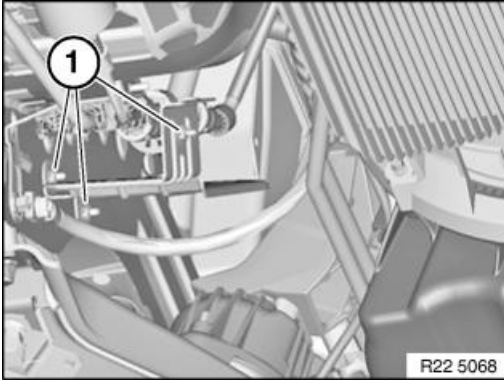
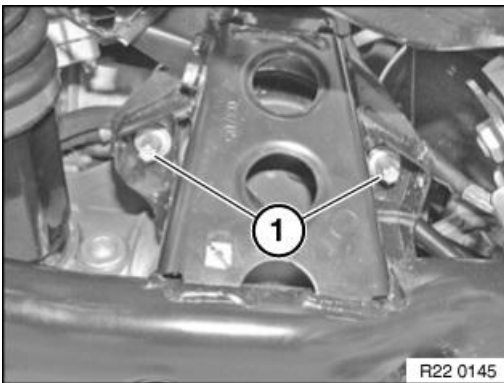


**Necessary preliminary tasks:**

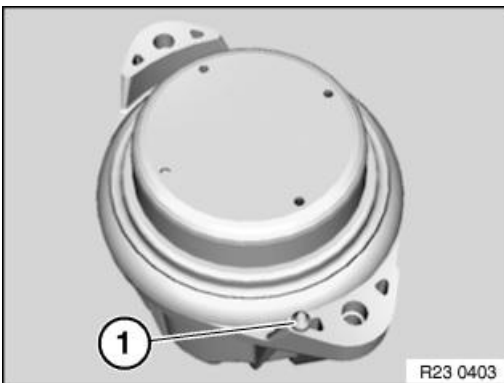
- Secure engine in [installation position](#)
- Remove [reinforcement plate](#) (4WD)
- Remove [underbody protection](#) at front and rear



Unscrew nuts (1).
Remove stoneguard.



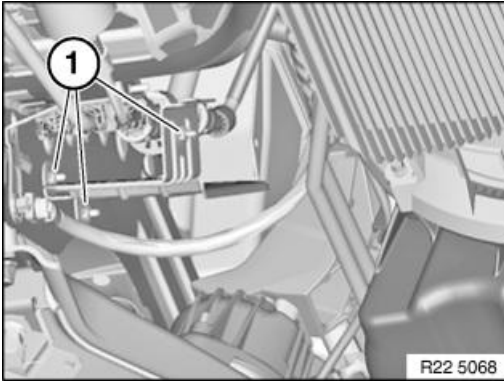
Release screws (1).
Remove engine mount.
Tightening torque [22 11 1AZ](#) .



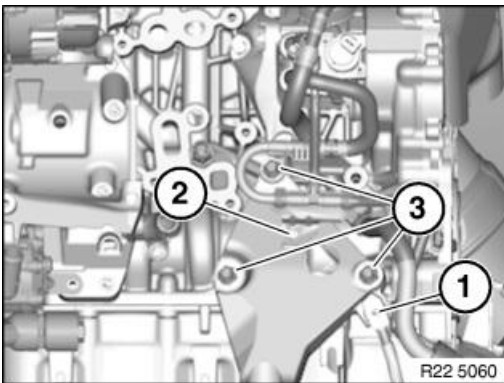
Installation:
Lug (1) of engine mount must point to middle of vehicle.



- Secure engine in [installation position](#)
- [Remove oil dipstick guide tube](#)
- Remove [reinforcement plate](#) (AWD)
- Remove [underbody protection](#) at front and rear



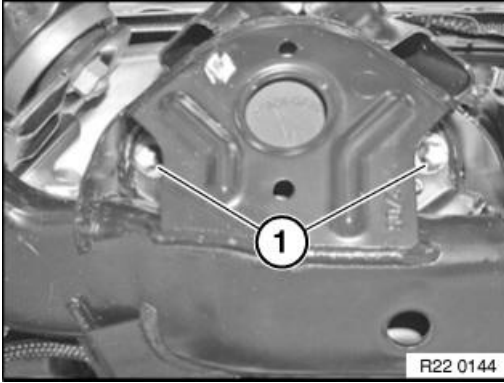
Unscrew nuts (1).
Remove stoneguard.



Release grounding strap (1) from engine support arm.
Release screw (2).
Lay holder to one side.
Release screws (3).
Remove engine support arm.
Tightening torque [22 11 3AZ](#) .

**Necessary preliminary tasks:**

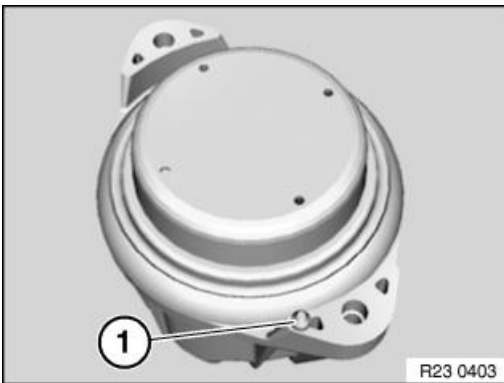
- Secure engine in [installation position](#)
- Remove [reinforcement plate](#) (4WD)
- Remove front [underbody protection](#)



Release screws (1).

Remove engine mount.

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



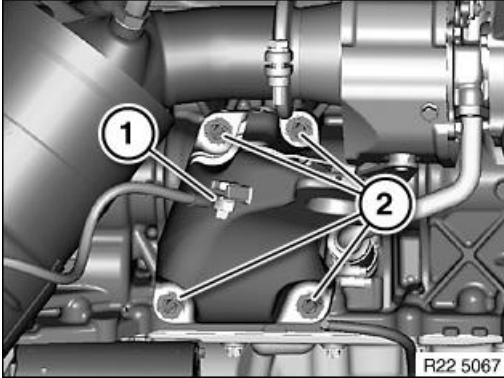
Installation:

Lug (1) of engine mount must point to middle of vehicle.



Necessary preliminary tasks:

- Secure engine in [installation position](#) .
- Remove [reinforcement plate](#) .
- Remove front [underbody protection](#)



Release grounding strap (1) from engine support arm.

Release screws (2) on engine support arm.

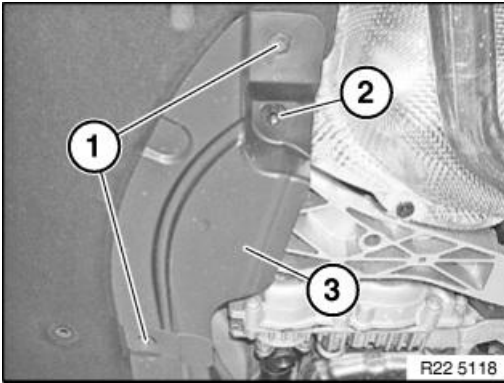
Remove engine support arm.

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

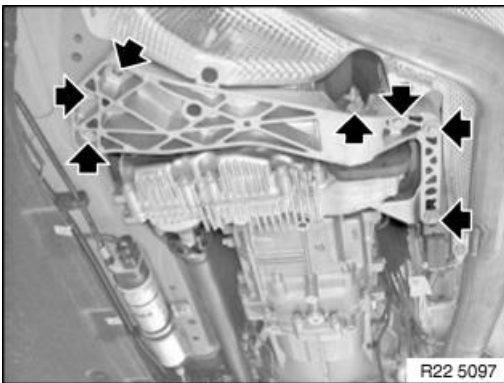


Note:

- Remove rear [underbody protection](#)
- Support transmission with workshop jack



Release screws (1) and nuts (2).
Remove trim (3).



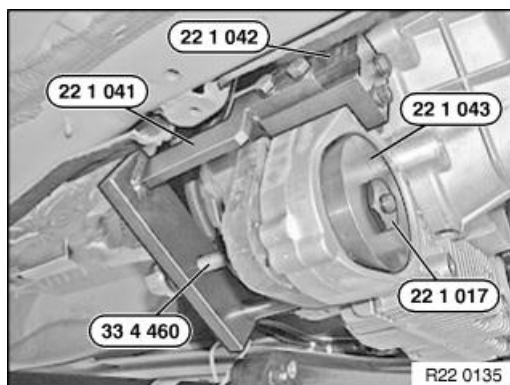
Detach heat shield from transmission cross member.
Release screws.
Remove transmission cross-member.
Tightening torque [27 00 10AZ](#).

**Special tools required:**

- [22 1 017](#)
- [22 1 041](#)
- [22 1 042](#)
- [22 1 043](#)
- [22 1 044](#)
- [22 1 045](#)
- [33 4 460](#)

**Necessary preliminary tasks:**

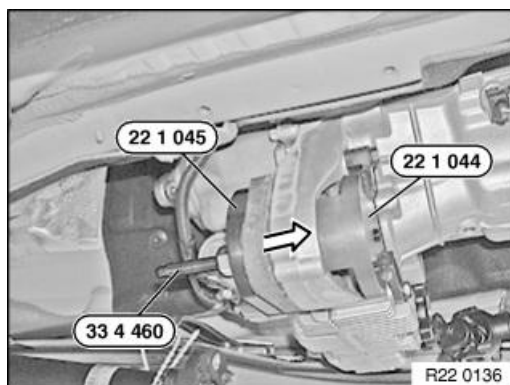
- Remove rear [underbody protection](#).
- [Remove](#) complete exhaust system.
- Remove exhaust bracket from transmission.
- Remove heat shields.
- Release [rear propeller shaft](#) from transmission.
- Support transmission with hydraulic jack.
- Remove [cross member](#) from transfer box.

**Necessary preliminary tasks:**

Lower transmission with hydraulic lifting equipment.

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

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



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

Insert special tool [22 1 045](#) with bolt into recesses of rubber mount.

Draw in rubber mount with special tool [33 4 460](#).

Installation note:

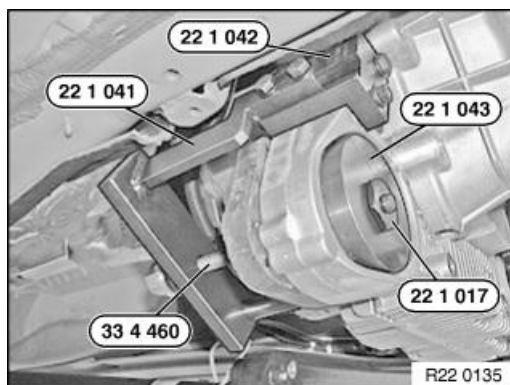
Coat housing bore and rubber mount with Circolight, refer to BMW Parts Department.

**Special tools required:**

- [22 1 017](#)
- [22 1 041](#)
- [22 1 042](#)
- [22 1 043](#)
- [22 1 044](#)
- [22 1 045](#)
- [33 4 460](#)

**Necessary preliminary tasks:**

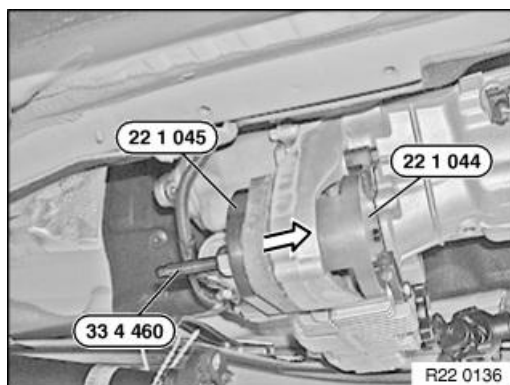
- Remove rear [underbody protection](#).
- [Remove](#) complete exhaust system.
- Remove exhaust bracket from transmission.
- Remove heat shields.
- Release [rear propeller shaft](#) from transmission.
- Support transmission with hydraulic jack.
- Remove [cross member](#) from transfer box.

**Necessary preliminary tasks:**

Lower transmission with hydraulic lifting equipment.

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

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



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

Insert special tool [22 1 045](#) with bolt into recesses of rubber mount.

Draw in rubber mount with special tool [33 4 460](#).

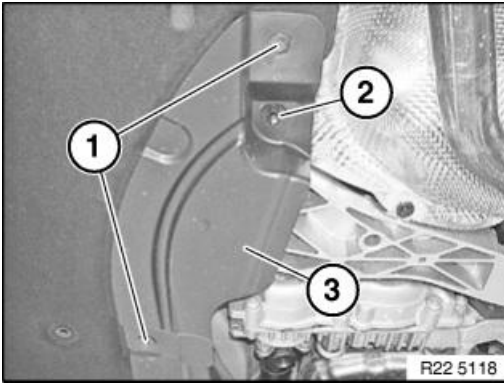
Installation note:

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

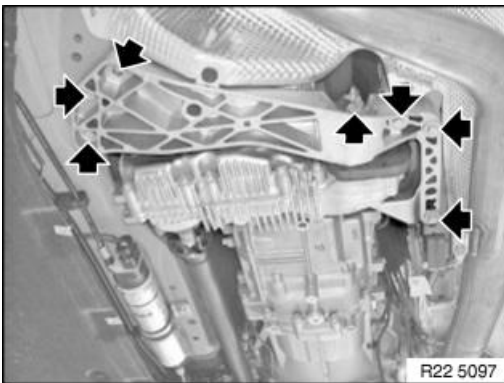


Note:

- Remove rear [underbody protection](#)
- Support transmission with workshop jack



Release screws (1) and nuts (2).
Remove trim (3).



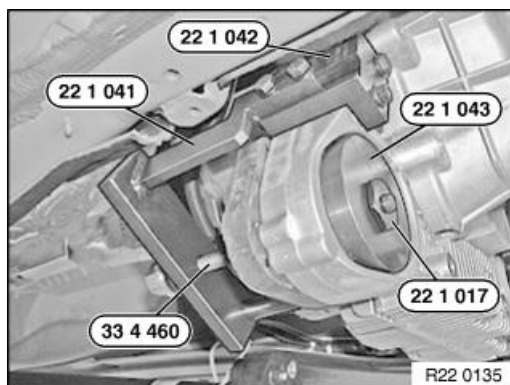
Detach heat shield from transmission cross member.
Release screws.
Remove transmission cross-member.
Tightening torque [27 00 10AZ](#).

**Special tools required:**

- [22 1 017](#)
- [22 1 041](#)
- [22 1 042](#)
- [22 1 043](#)
- [22 1 044](#)
- [22 1 045](#)
- [33 4 460](#)

**Necessary preliminary tasks:**

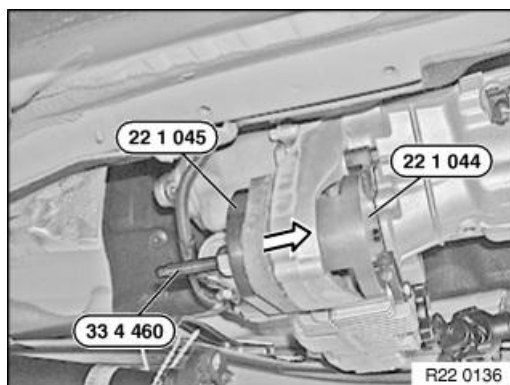
- Remove rear [underbody protection](#).
- [Remove](#) complete exhaust system.
- Remove exhaust bracket from transmission.
- Remove heat shields.
- Release [rear propeller shaft](#) from transmission.
- Support transmission with hydraulic jack.
- Remove [cross member](#) from transfer box.

**Necessary preliminary tasks:**

Lower transmission with hydraulic lifting equipment.

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

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



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

Insert special tool [22 1 045](#) with bolt into recesses of rubber mount.

Draw in rubber mount with special tool [33 4 460](#).

Installation note:

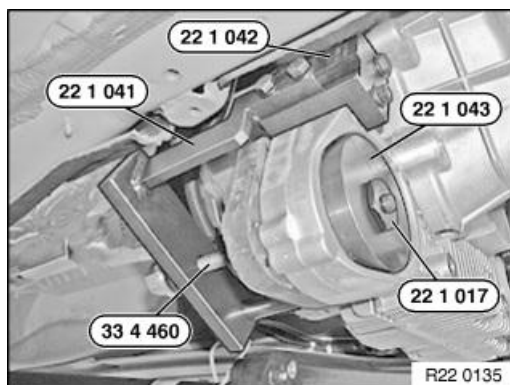
Coat housing bore and rubber mount with Circolight, refer to BMW Parts Department.

**Special tools required:**

- [22 1 017](#)
- [22 1 041](#)
- [22 1 042](#)
- [22 1 043](#)
- [22 1 044](#)
- [22 1 045](#)
- [33 4 460](#)

**Necessary preliminary tasks:**

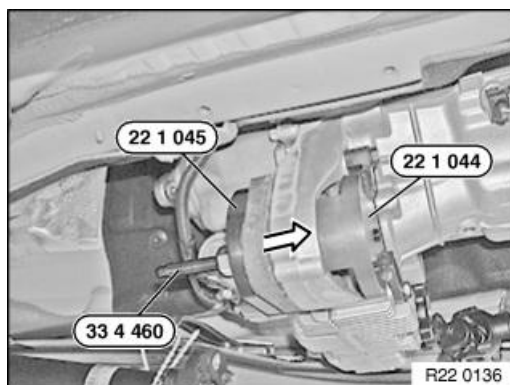
- Remove rear [underbody protection](#).
- [Remove](#) complete exhaust system.
- Remove exhaust bracket from transmission.
- Remove heat shields.
- Release [rear propeller shaft](#) from transmission.
- Support transmission with hydraulic jack.
- Remove [cross member](#) from transfer box.

**Necessary preliminary tasks:**

Lower transmission with hydraulic lifting equipment.

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

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



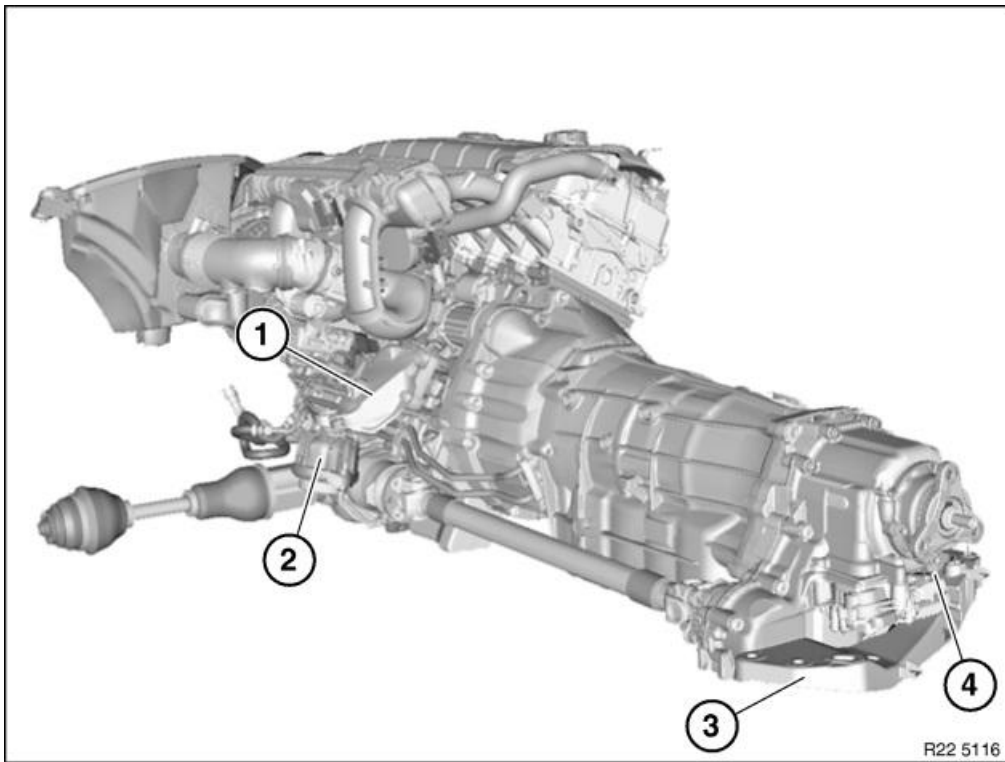
Bolt special tool [22 1 044](#) to transfer box.

Insert special tool [22 1 045](#) with bolt into recesses of rubber mount.

Draw in rubber mount with special tool [33 4 460](#).

Installation note:

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



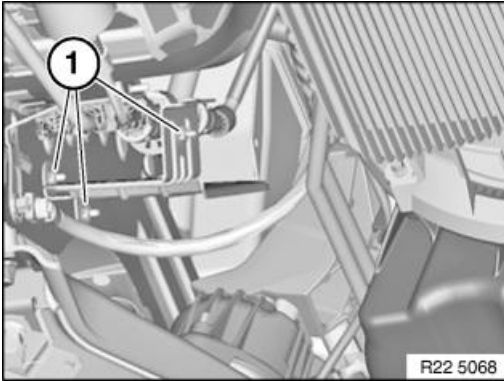
Engine mounting:

Transmission mounting:

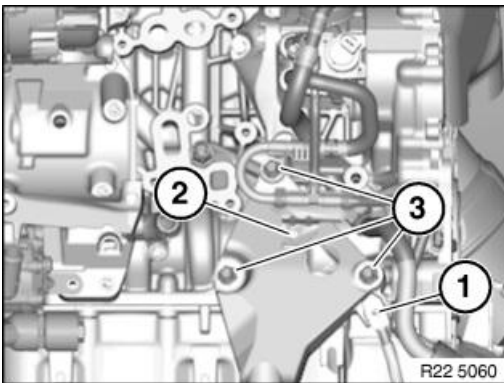
- | | |
|---|---|
| 1 Engine support arm (left / right) | 4 Transmission cross-member |
| 2 Engine mount (left / right) | 5 Transmission mount |



- Secure engine in [installation position](#)
- [Remove oil dipstick guide tube](#)
- Remove [reinforcement plate](#) (AWD)
- Remove [underbody protection](#) at front and rear



Unscrew nuts (1).
Remove stoneguard.

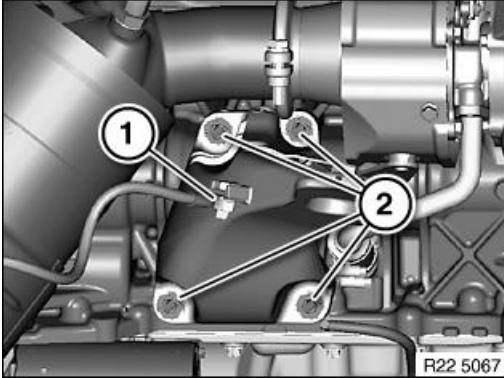


Release grounding strap (1) from engine support arm.
Release screw (2).
Lay holder to one side.
Release screws (3).
Remove engine support arm.
Tightening torque [22 11 3AZ](#) .



Necessary preliminary tasks:

- Secure engine in [installation position](#) .
- Remove [reinforcement plate](#) .
- Remove front [underbody protection](#)



Release grounding strap (1) from engine support arm.

Release screws (2) on engine support arm.

Remove engine support arm.

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