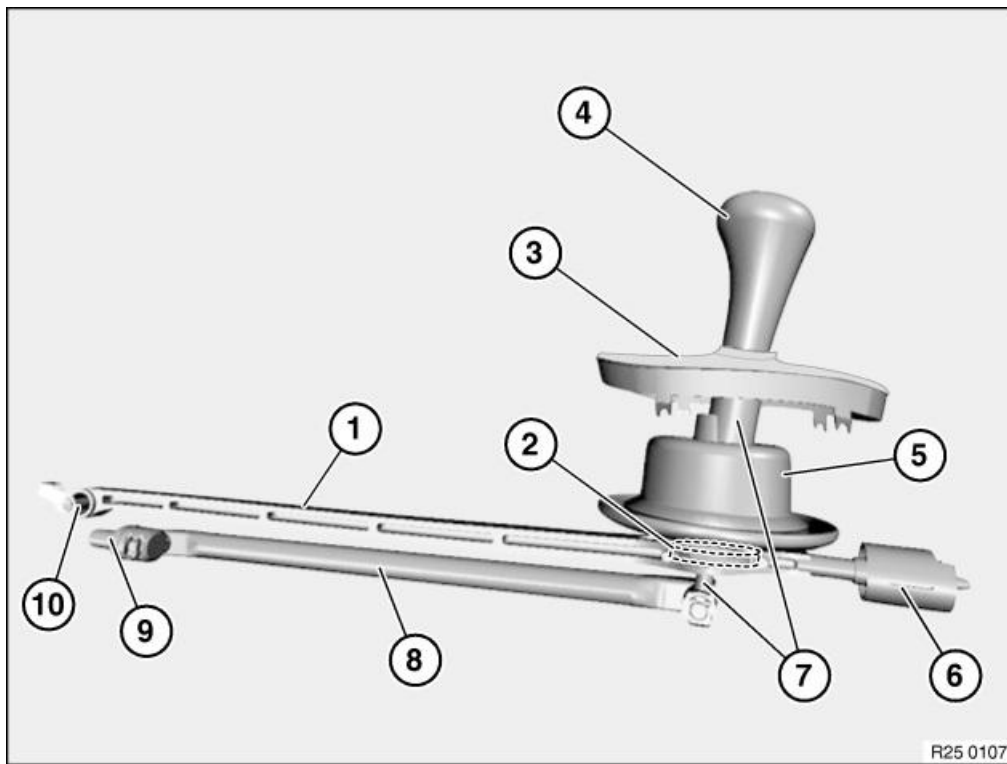




1 [Gearshift arm](#)

6 [Support bearing](#) (gearshift arm bearing)

[Schaltarm \(verstärkt\)](#)

7 [Gearshift lever](#)

2 [Ball socket](#) (gearshift lever bearing)

8 [Gearshift rod](#)

3 [Gearshift lever cover](#) (gaiter)

9 [Gearshift rod joint](#)

4 [Gearshift lever knob](#)

10 [Bearing bush](#)

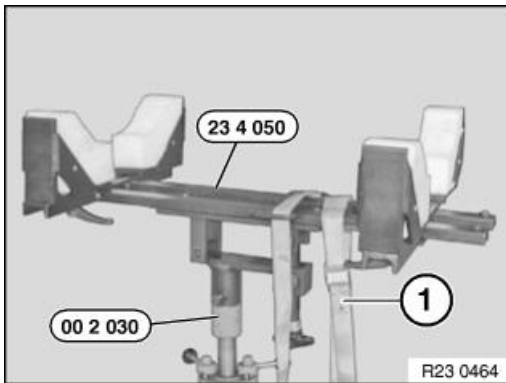
5 [U-type bellows](#)

**Special tools required:**

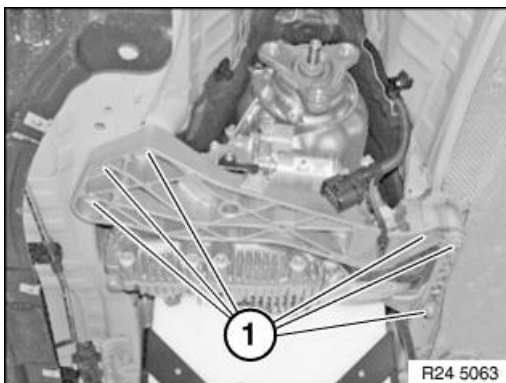
- [00 2 030](#)
- [23 4 050](#)
- [25 1 120](#)

**Necessary preliminary tasks:**

- Remove [gearshift lever cover](#)
- Remove [underbody protection](#)
- Remove [exhaust system](#)
- Remove heat shields
- Release propeller shaft centre mount



Support transmission with special tools [23 4 050](#) and [00 2 030](#) .

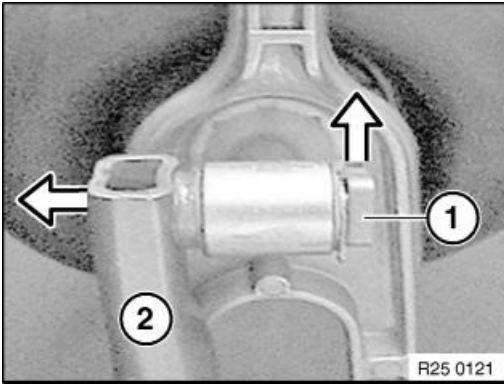


Unplug cable from transfer box control unit.

Release screws (1).

Tightening torque [27 00 10AZ](#).

Lower transmission.



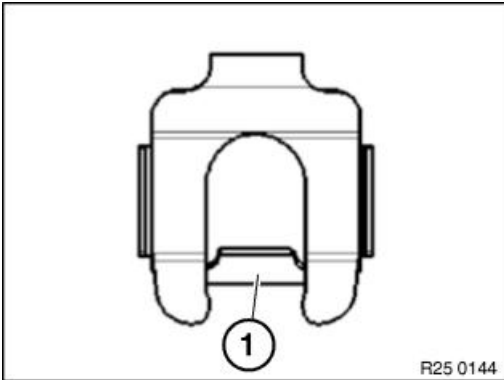
Lift off retainer (1).

Remove gearshift rod (2).

Installation note:

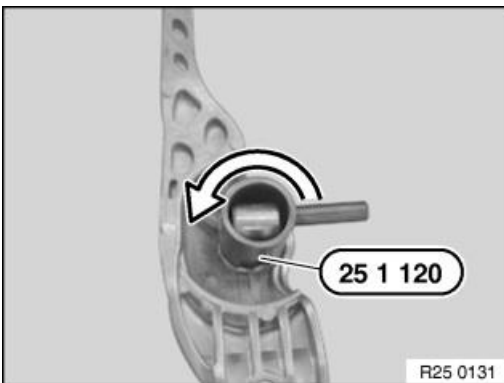
Grease gearshift rod pin.

Grease, refer to BMW Service [Operating Fluids](#).



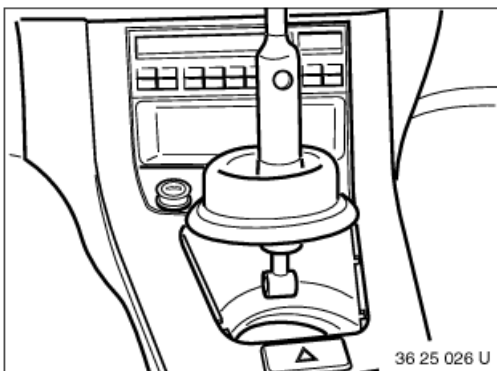
Important!

Retaining clip must interlock captively with retaining web (1) **behind** gearshift rod pin.

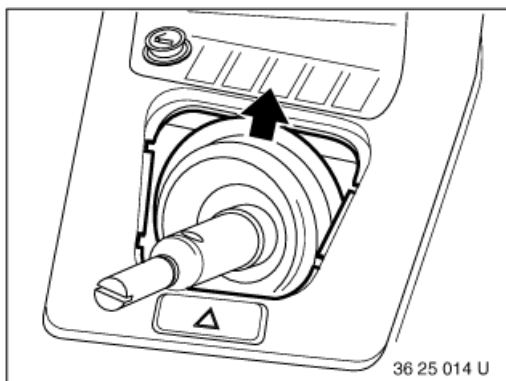


Insert special tool [25 1 120](#) in mounting and turn 90° counterclockwise.

Press mount upwards out of gearshift arm.

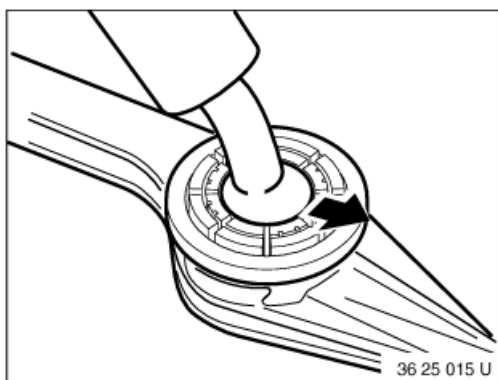


Remove rubber gaiter from body aperture and lift out with gearshift lever.



Installation note:

Insert rubber gaiter with arrow in direction of travel towards front.



Installation note:

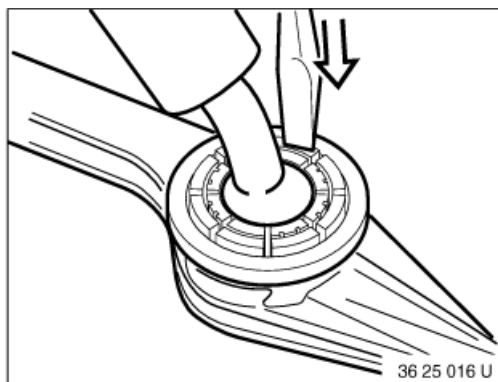
Grease gearshift lever ball.

Grease, refer to BMW Service [Operating Fluids](#).

Install gearshift lever in gearshift arm.

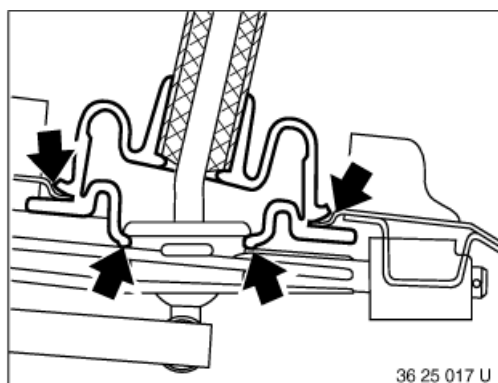
Align mount:

- Arrows on mount in longitudinal axis of vehicle.
- Retaining tabs of mount, transverse to direction of travel.



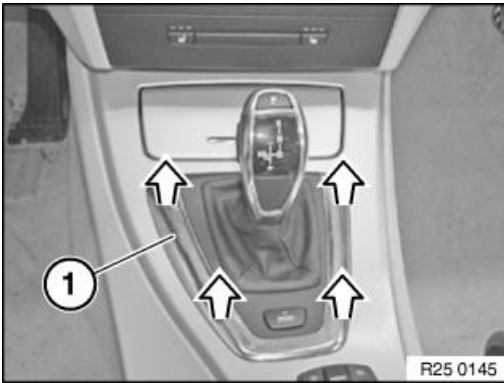
Installation note:

Press mount in area of retaining tabs into gearshift arm until it audibly snaps into place.



Installation note:

Pull inner rubber gaiter over bowl on gearshift arm and press outer rubber gaiter into body aperture.



Release installation frame (1) from centre console.



Disconnect plugs (1) and (2).



Note:

Do not twist gearshift lever knob during removal as this would cause the anti-twist lock in the knob to shear off.

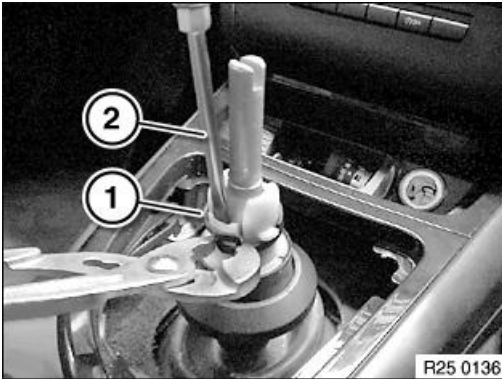
Tug firmly to remove button. **Installation note:**

Fit gearshift lever knob on shift lever, align and press on until it snaps noticeably into place.



Necessary preliminary tasks:

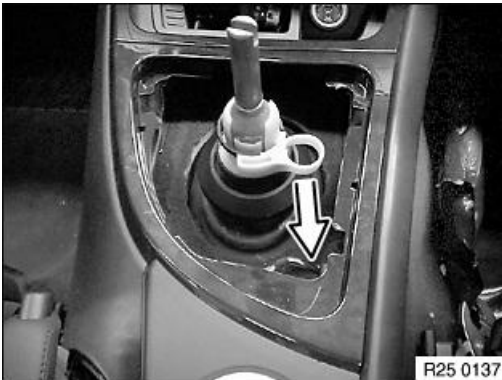
- Remove [shift lever cover](#).
- Remove [shift lever knob](#).



Open clamp (1) on vibration absorber with pliers.

Unlock vibration absorber with screwdriver (2) (there is a locking notch on one side only).

Lift out vibration absorber.



Installation:

In the case of a new vibration absorber which has been attachment to the shift lever, only the retainer (1) still needs to be unlocked.

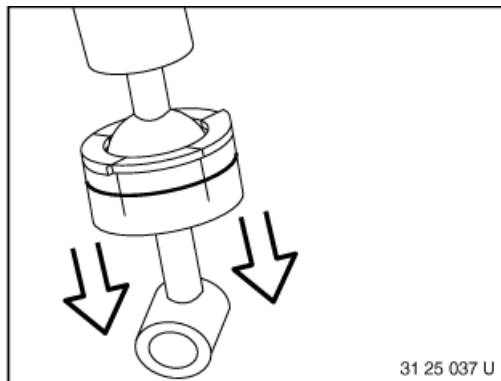
Make sure the vibration absorber is correctly engaged in the shift lever.

25 11 041 Replacing ball socket for gearshift lever



Necessary preliminary tasks:

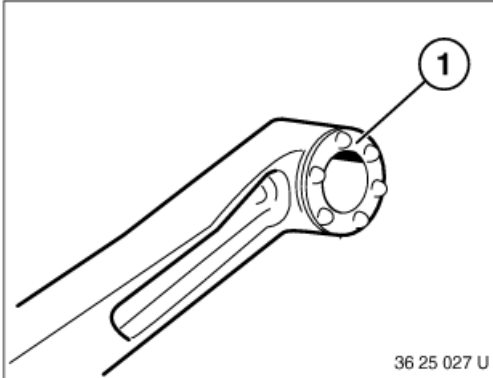
- Remove [gearshift lever](#).



Detach mount from gearshift lever. **Installation note:**
[Grease](#) ball joint.

**Necessary preliminary tasks:**

- Remove [gearshift arm](#)



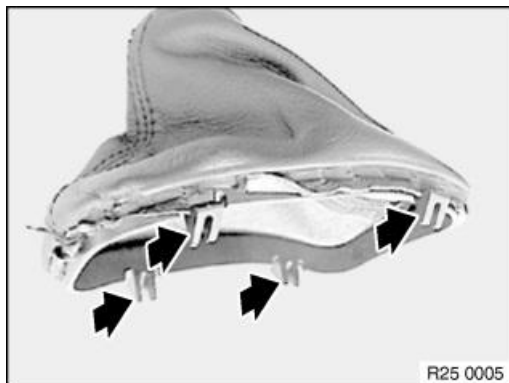
- Press out bearing bush (1).
- Coat new bearing bush with Circolight (sourcing reference: BMW Parts Department).
- Then press into gearshift arm until side surface of bush protrudes uniformly.

Note:

Graphic shows: gearshift arm simply supported.

**Necessary preliminary tasks:**

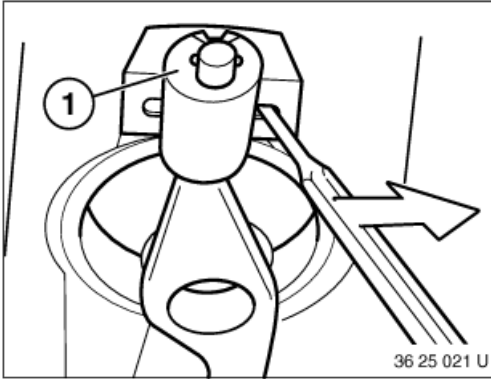
- Remove [shift lever knob](#) .



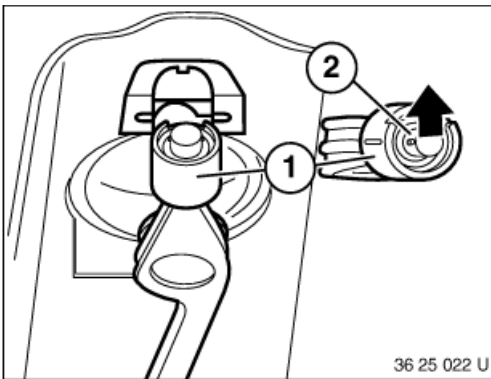
Release retaining lugs and lift out gaiter.**Installation:**
Retaining lugs must not be damaged.

**Necessary preliminary tasks:**

- Remove rear [underbody protection](#) (vehicles without 4WD only).
- Remove [exhaust system](#) (4WD only)
- Remove front heat shield (4WD only)



Lever support bearing (1) with a short screwdriver out of mounting.
Pull support off gearshift arm.

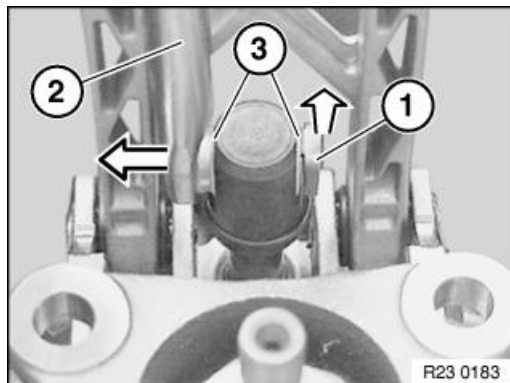
**Installation:**

[Grease](#) bearing pin of gearshift arm.

Fit support bearing (1) with opening (2) towards top rear onto mounting.

**Necessary preliminary tasks:**

- Remove [transfer box](#) (AWD)



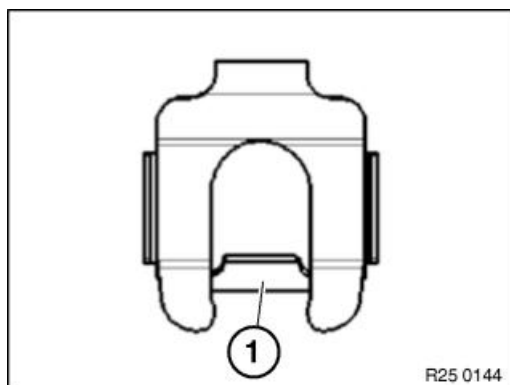
Lift off retainer (1).

Detach gearshift rod (2).

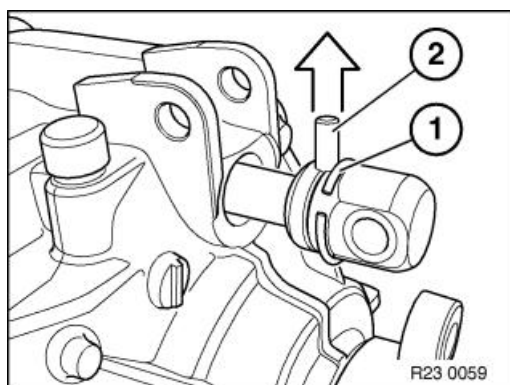
Installation note:

Grease gearshift rod.

Grease, refer to BMW Service [Operating Fluids](#).

**Important!**

Retaining clip must interlock captively with retaining web (1) **behind** gearshift rod pin.



Lever spring circlip (1) out of groove and push a little towards rear.

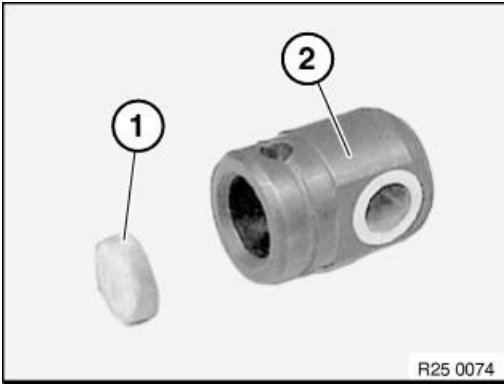
Press cylindrical pin (2) upwards/downwards out of gearshift rod joint and remove gearshift rod joint.

Installation note:

Grease ball of gearshift shaft.

Grease, refer to BMW Service [Operating Fluids](#).

Replace spring circlamp (1).



Installation note:

Check plastic washer (1) in gearshift rod joint (2) and replace if necessary.

25 11 071 Replacing knob for gearshift lever

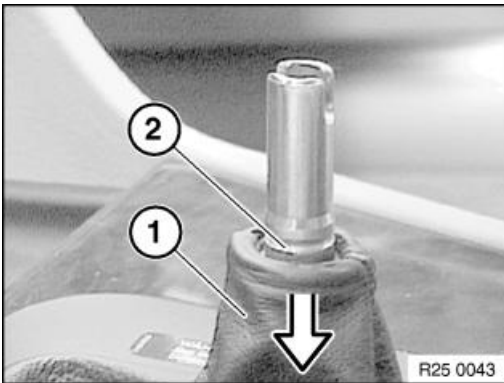


Note:

Do not twist knob during removal as this would cause the anti-twist lock in the knob to shear off.

Tug firmly to remove knob. **Installation:**

Fit knob on gearshift lever, align and press on until it snaps noticeably into place.

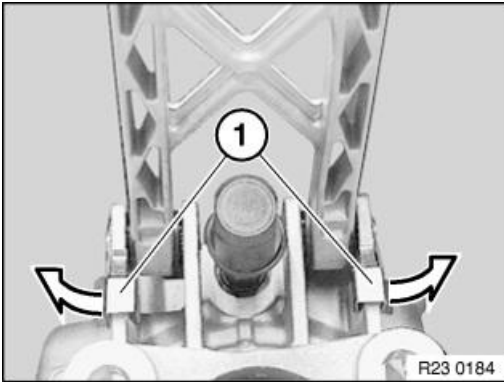


Installation:

Push rubber gaiter (1) down until groove (2) is fully exposed.

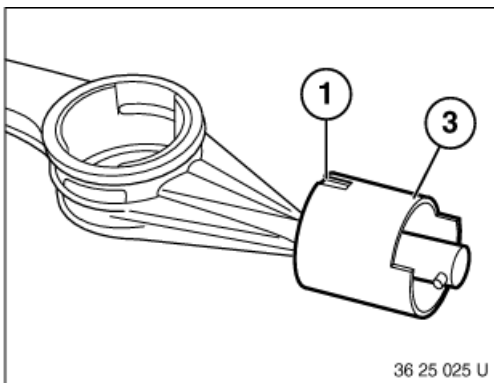
**Necessary preliminary tasks:**

- Remove [shift lever](#)
- Remove [transfer case](#) (AWD)



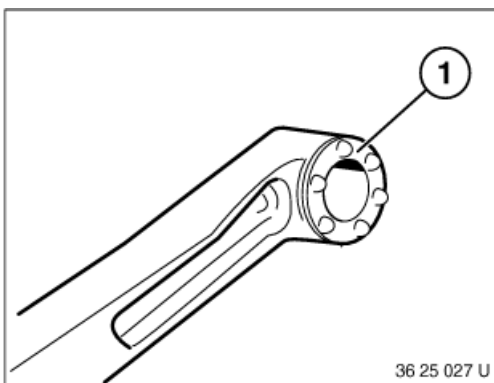
Unlock bearing pin (1) in direction of arrow and remove. *Installation:*
Grease bearing pin.

Grease, refer to BMW Service [Operating Fluids](#) .



Pull shift arm from mount and remove. *Installation:*
Grease bearing journal.

Grease, refer to BMW Service [Operating Fluids](#) .



Replace bearing bush (1) if damaged.

Press out bearing bush (1).

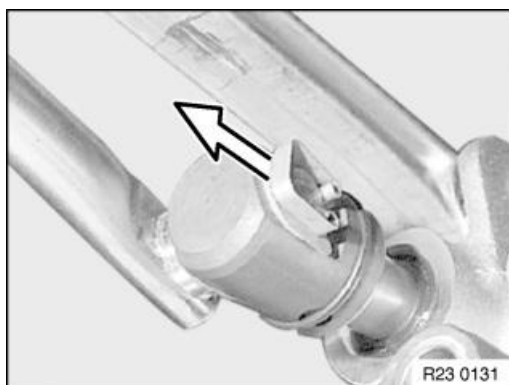
Coat new bearing bush with Circolight and then press into shift arm until side flanges of bearing bush protrude uniformly.

Circolight, refer to BMW Parts Service.

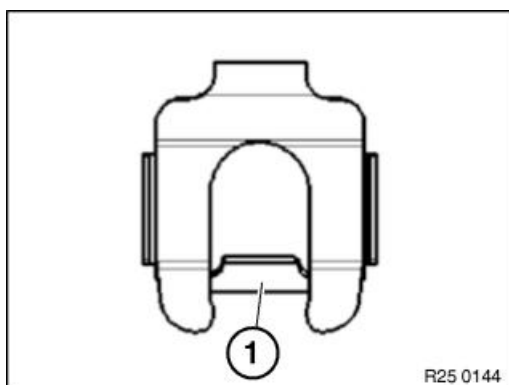


Necessary preliminary work:

- Remove rear [underbody protection](#)
- Completely remove [exhaust system](#) (4-wheel-drive vehicles only)
- Remove heat shield (4-wheel-drive vehicles only)
- Release [centre mount](#) of the propeller shaft (4-wheel-drive vehicles only)
- Lower gearbox with jack.
Tightening torque [22 32 4AZ](#).

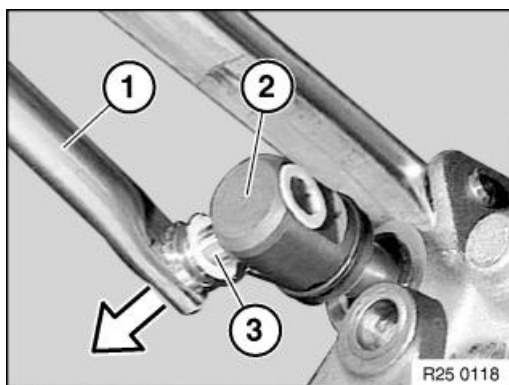


Detach locking clip.

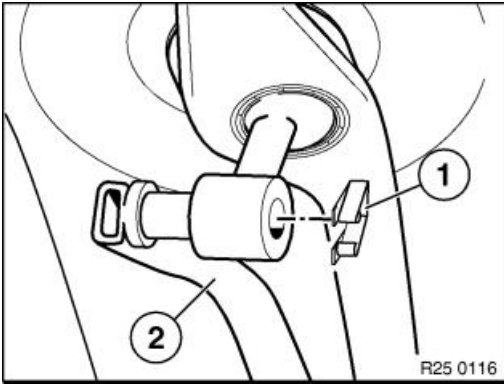


Important!

Retaining clip must interlock captively with retaining web (1) **behind** shift rod pin.



Pull shift rod (1) out of gearshift rod joint (2). **Installation:**
[Grease](#) gearshift rod pin (3).



Detach locking clip (1).

Remove selector rod (2).

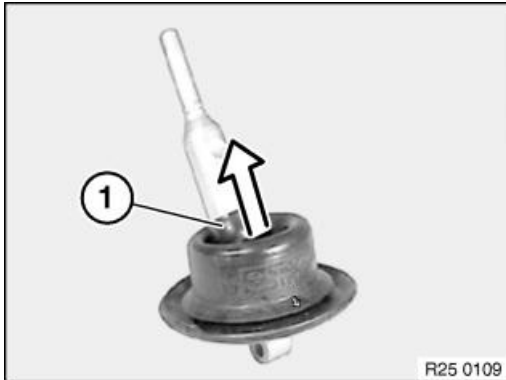
Installation:

Grease selector rod pin.



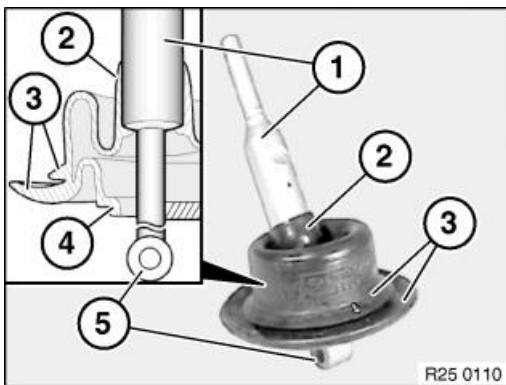
Necessary preliminary tasks:

- Remove [gearshift lever](#).
- Remove [vibration absorber](#) (if present).



Detach U-type bellows from gearshift lever.

If necessary, rub inside of shaped element (1) beforehand with Circolight (sourcing reference: BMW Parts Service).

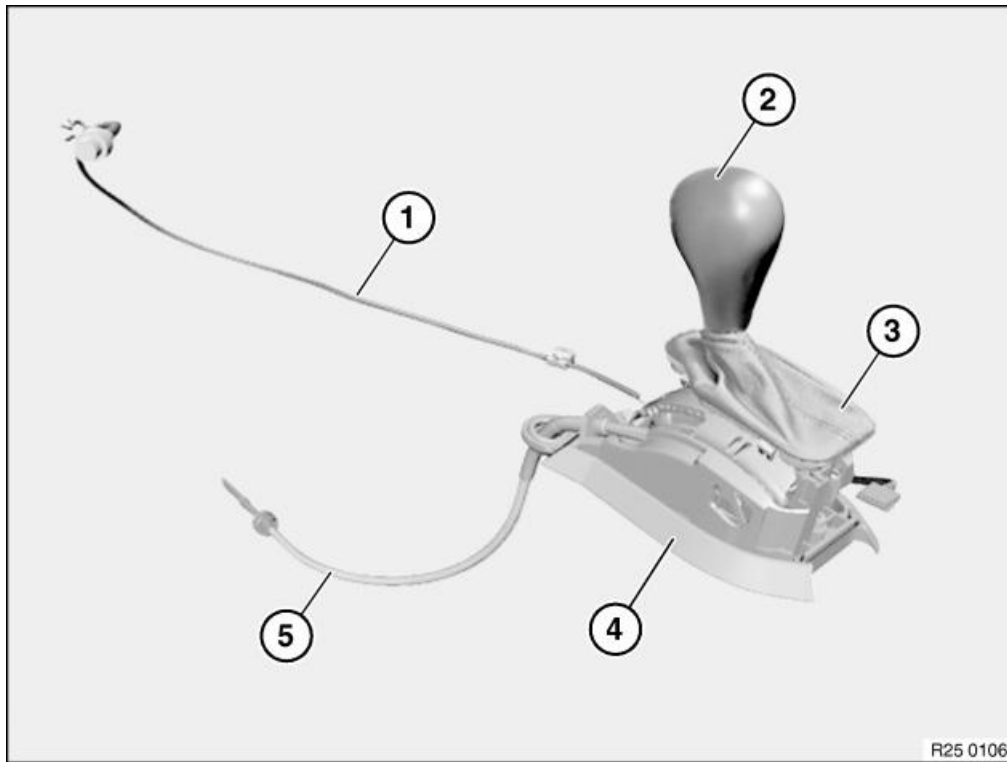


Installation note:

- Degrease gearshift lever (1).
- Coat inside of U-type bellows shaped element (2) with Circolight (sourcing reference: BMW Parts Service).
- Pull U-type bellows from above over gearshift lever and align.
- Arrow on upper lip (3) must point crossways to mount eye (5) in direction of travel.

Key:

1. Gearshift lever
2. U-type bellows shaped element
3. U-type bellows lip
4. U-type bellows bead
5. Mount eye



1 [Interlock cable](#)

4 [Gearshift bracket](#)

2 [Handle](#)

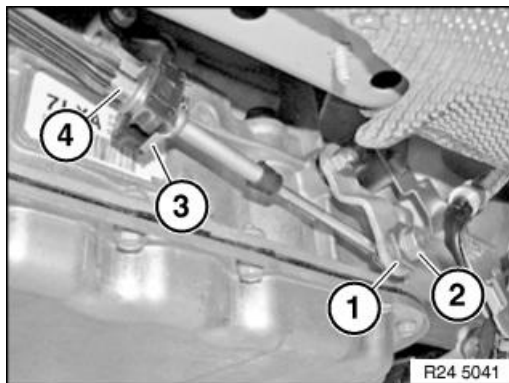
5 [Gear selector cable](#) (component of gearshift bracket)

3 [Gaiter](#) (selector lever cover)



Necessary preliminary tasks:

- Remove [rear underbody protection](#).
- Remove [trim](#) for storage compartment.



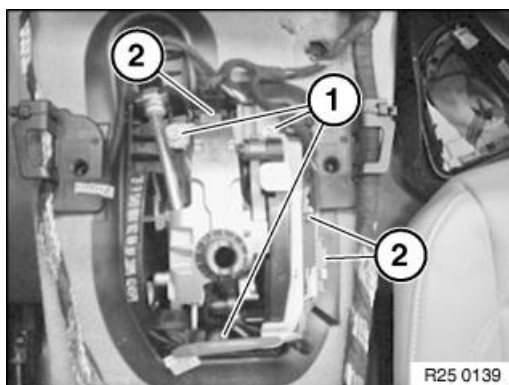
Grip clamping bush (1) and slacken nut (2).

Detach clamp (3) downwards using a screwdriver.

Pull cable (4) out of holder.

Installation note:

[Adjusting gearshift lever](#)



Release screws (1).

Tightening torque: [25 16 3AZ](#).

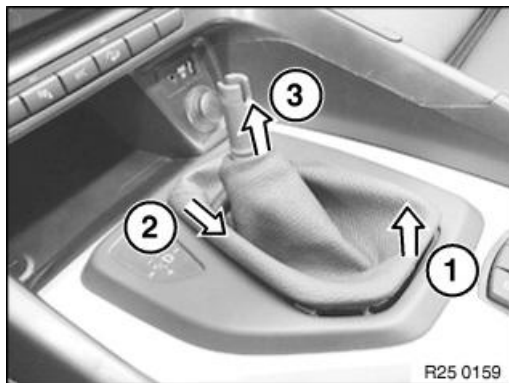
Disconnect plug connections (2).

Remove cables from clips.

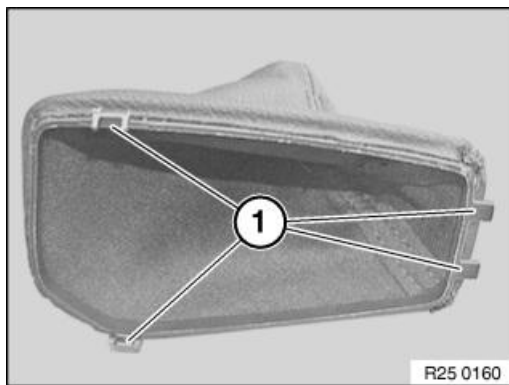
Lift gearshift bracket out of centre console.

**Necessary preliminary tasks:**

- Remove [grip](#)



1. Release rear frame.
2. Pull frame back until front retaining lugs are released.
3. Lift out gaiter

**Installation:**

Retaining lugs must not be damaged.

25 16 061 Replacing selector lever knob



Note:

Do not twist selector lever knob during removal as this would cause the anti-twist lock to shear off.

Pull off knob with a firm tug in direction of arrow.

Installation:

Fit knob on gearshift lever, align and press on until it snaps noticeably into place.