

00 Danger of injury if oil comes into contact with eyes and skin



Danger of injury!

Contact with eyes or skin may result in injury!

Possible symptoms are:

- Impaired sight
- Irritation of the eyes
- Reddening of the skin
- Rough and cracked skin



Protective measures/rules of conduct:

- Wear safety goggles.
- Wear oil-resistant protective gloves.
- Observe country-specific safety regulations.



First aid measures:

- Eye contact: Immediately flush eyes with lots of water for at least 15 minutes. In the case that it is available, use an eye wash bottle. If eye irritation persists, consult a doctor.
- Skin contact: Wash off with soap and water immediately. If irritation persists, consult a doctor.

Note: Do not use solvents/thinners.



00 Danger of poisoning if oil is ingested/absorbed through the skin



Danger of poisoning!

Ingesting oil or absorbing through the skin may cause poisoning!

Possible symptoms are:

- Headaches
- Dizziness
- Stomach aches
- Vomiting
- Diarrhoea
- Cramps/fits
- Unconsciousness



Protective measures/rules of conduct:

- Fill oil in appropriately marked containers only.
- Do not fill oil in containers meant for drinking out of. (bottles for beverages, glasses or cups)
- Observe country-specific safety regulations.



First aid measures:

- Do not induce vomiting.

If the person affected is still conscious, he/she must rinse out their mouth with water, drink plenty of water and consult a doctor immediately.

Do not administer anything to an unconscious person via their mouth; place them in a stable position on their side. Call the emergency doctor immediately.



Note:

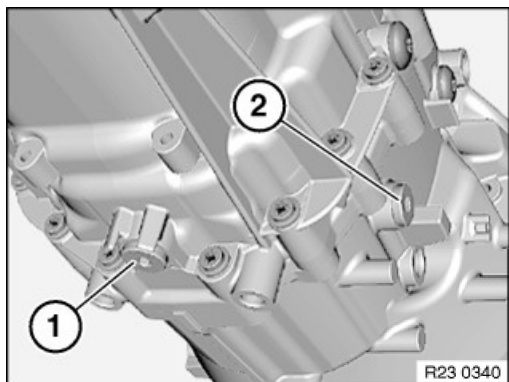
Transmission must be at operating temperature.

Transmission oil:

- refer to BMW Service Operating Fluids.

Filling capacities:

- Refer to Technical Data.



Draining transmission oil:

- Release oil drain plug (1) and oil filler plug (2).
- Clean oil drain plug (1) and screw in.

Tightening torque 23 00 2AZ.

Adding transmission oil:

- Undo oil filler plug (2).
- Pour in gear oil until overflowing.
- Screw in oil filler plug (2).

Tightening torque: 23 00 2AZ.



**Attention!**

After completion of repair work, check transmission oil level.

Use only the approved transmission oil.

Failure to comply with this instruction will result in serious damage to the transmission.

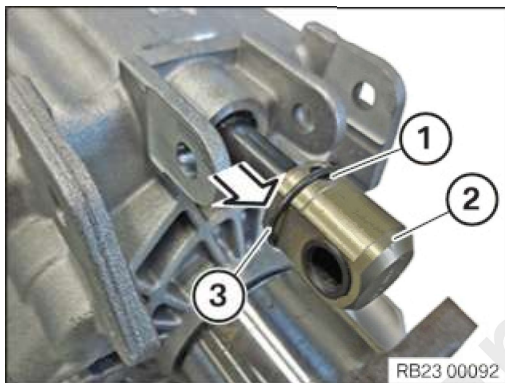
**Recycling:**

Catch and dispose of escaping transmission oil.

Observe country-specific waste disposal regulations

**Necessary preliminary tasks:**

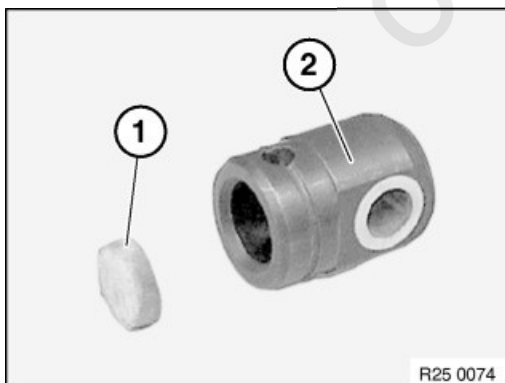
- Drain transmission oil at oil drain plug.
Tightening torque 23 00 2AZ.
- Remove transmission.



Convert gearshift rod joint (2).

Slide back circlip (3) and drive out cylindrical pin (1).

Pull off gearshift rod joint (2).

**Installation note:**

Check rubber ring (1) in gearshift rod joint (2) and replace if necessary.





Convert following components from previous transmission to new transmission.

- Release bearing and release lever.
- Ball pin and spring wire clamp.
- Studs for clutch slave cylinder.
- Reversing light switch.
 - Tightening torque 23 14 1AZ.
- If necessary zero-gear sensor
 - Renew screws.
 - Tightening torque 23 14 2AZ.



Reassemble the vehicle.

Install transmission.

Check oil level.

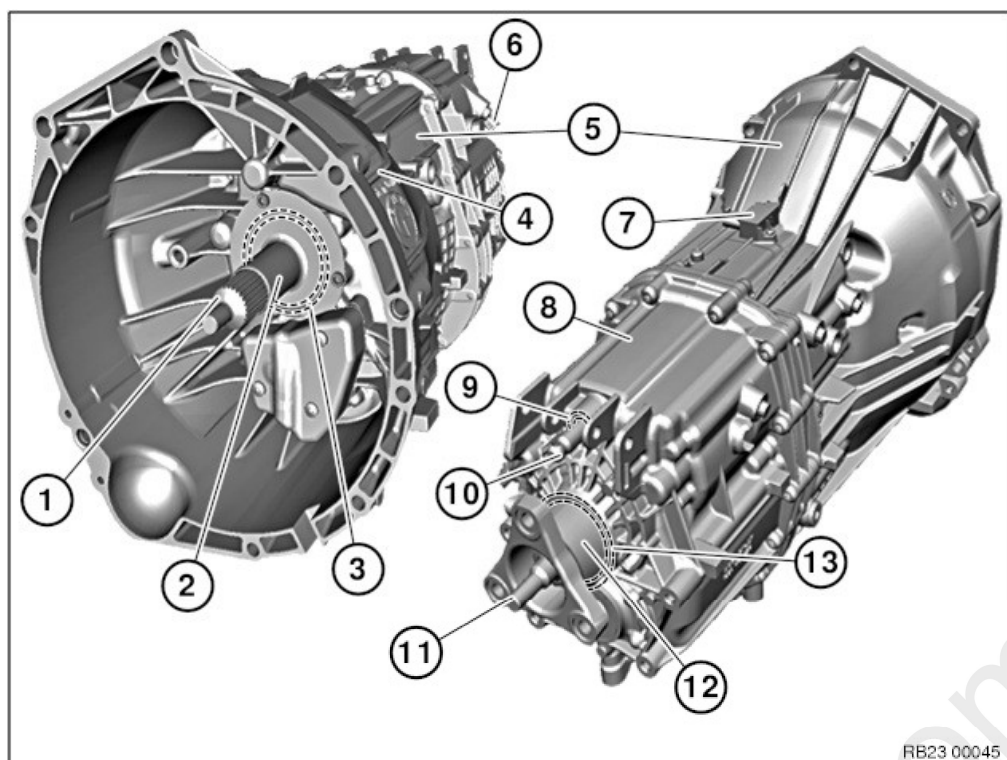
Installation note:

Observe greasing specification.

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23 00 ... Overview of transmission housing (GS6-45BZ/DZ)



Complete transmission, oil change, transmission designations

0 General information

1 Drive shaft

2 Guide tube

3 Radial shaft seal

For transmission input shaft

4 Transmission housing, front section

5 Internal components

6 Reversing light switch

7 Zero-gear sensor

shafts, gear wheels, gearshift components

8 Transmission housing, rear section

For gearshift shaft

9 Radial shaft seal



10 Gearshift shaft

11 Output shaft

12 Output flange

13 Radial seal

For output flange

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**Special tools required:**

- 23 4 050
- 00 2 030
- 00 9 010
- 21 2 240
- 00 9 120
- 00 9 130

**Attention!**

To prevent heavy damage to the engine block, the protruding thread of the transmission bolts absolutely must be checked for damage and corrosion **before removal**.

If there are signs of corrosion, the rust must be removed and the threads must be cleaned **before removal**.

Replace rusted, damaged screws.

Failure to comply with this instruction will result in serious damage to the engine block and transmission.

**Attention!**

After completion of repair work, check transmission oil level.

Use only the approved transmission oil.

Failure to comply with this requirement will result in serious damage to the manual gearbox.

**Attention!**

For vehicles with N54/N55 engine up to production date 09/2012, aluminium bolts for the securing of the transmission are also installed.

As of production date 09/2012, **only** steel bolts are installed for the securing of the transmission.

Note:

Aluminium screws/bolts must be replaced each time they are **released**.

Aluminium screws/bolts are permitted with and without colour coding (blue).

For reliable identification:

Aluminium screws/bolts are **not magnetic**.

Jointing torque and angle of rotation must be observed without fail (**risk of damage**).

The aluminium bolts can be optionally replaced by steel bolts.





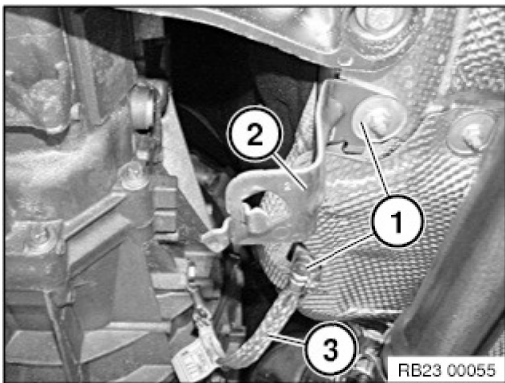
Necessary preliminary tasks:

- Remove underbody protection at front and rear.
- Remove complete exhaust system.
- Remove heat shields.
- Partially remove propeller shaft.
 - Disconnect propeller shaft at transmission.
 - Release centre mount.
 - Tie up propeller shaft to underbody.

Note:

Bending the propeller shaft by an excessive angle can cause premature damage to the joint/propeller shaft!

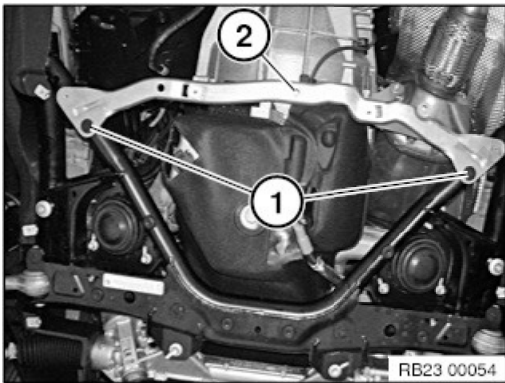
- Support engine with jack when removing gearbox



Unscrew nuts (1).

Release holder (2) and ground strap (3) from vehicle underbody.

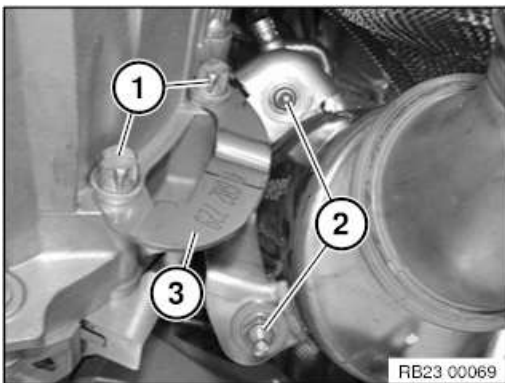
Nut (ground strap on body) tightening torque 23 11 8AZ.



Release screws (1).

Remove strut (2).

- Similar to graphic.



Release aluminium screws (1) on transmission.

Tightening torque 23 00 1AZ.

Unscrew nuts (2).

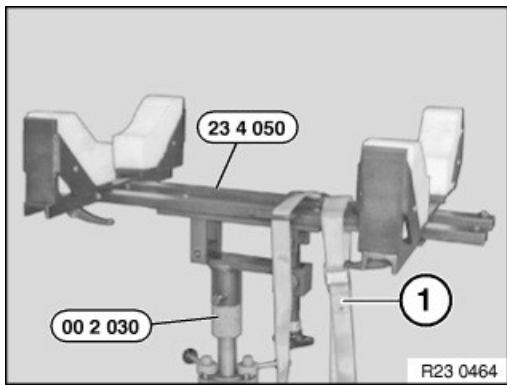
Tightening torque 18 20 1AZ.

Remove the holder (3).

Installation note:

Renew aluminium screws (1).



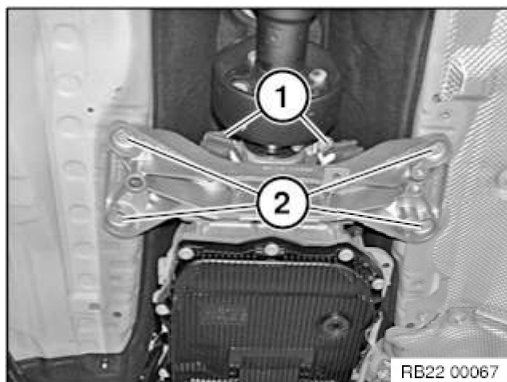


Supporting transmission:

Support transmission with special tools 23 4 050 , 00 2 030 .

Secure transmission to mounting with tensioning strap (1).

Tasks are described in Gearbox holder.

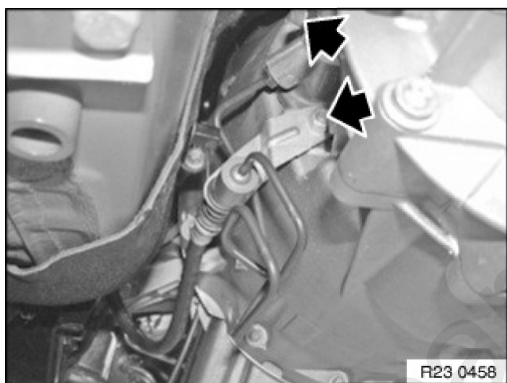


Unscrew nut (1) and bolts (2).

Remove gearbox cross member (3).

Tightening torque 22 32 3/4AZ.

Illustration: Automatic



Note:

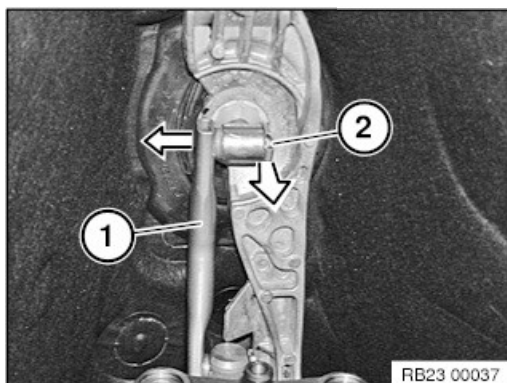
Pressure line of clutch slave cylinder remains connected.

Attention!

Relieve tension on clutch slave cylinder slowly; otherwise air will be drawn in through sealing cup.

Release nuts and remove clutch slave cylinder.

Tightening torque 21 52 1AZ.



Lift off retainer (2).

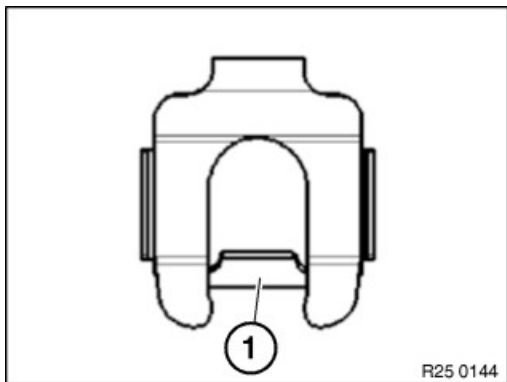
Detach gearshift rod (1).

Installation note:

Grease gearshift rod.

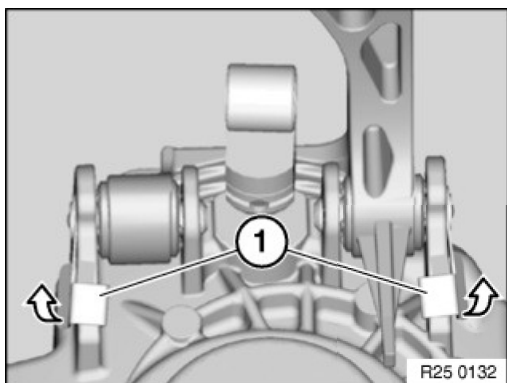
Grease, refer to BMW Service Operating Fluids.





Attention!

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



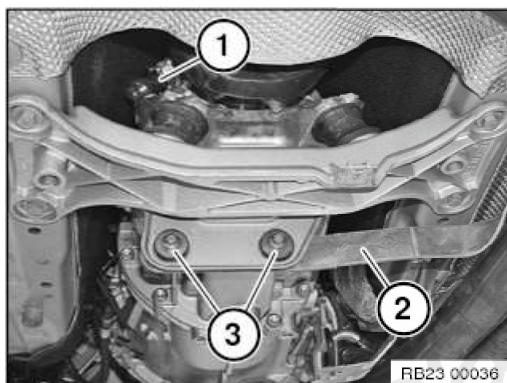
Unlock bearing journal (1) in direction of arrow and remove.

Lift out gearshift arm.

Installation note:

Grease bearing journals (1).

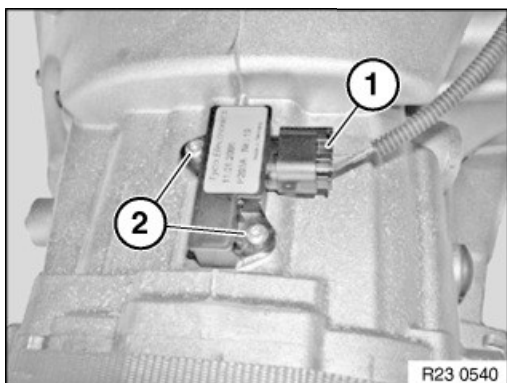
Grease, refer to BMW Service Operating Fluids.



Disconnect plug connection (1) on reverse gear switch.

Release line from holder.

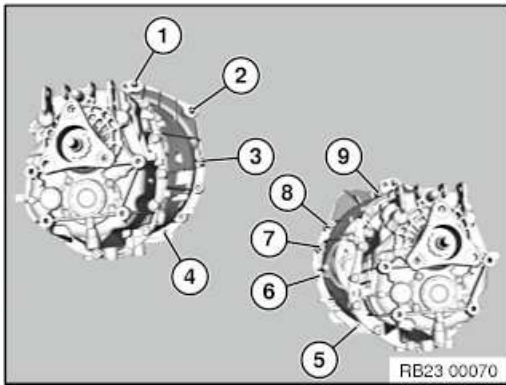
- Similar to graphic.



Disconnect plug connection (1) on zero gear sensor.

Release all lines from holder.





Loosen screws.

In vehicles with an N54/N55 engine from production date 09/2012, **only** steel bolts are installed.

Steel screws (1,2,4,5,6,9), tightening torque 23 00 1AZ.

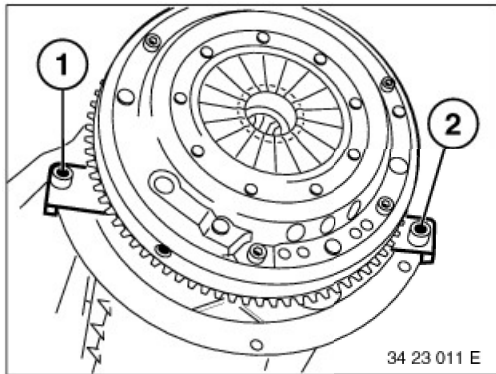
Release aluminium screws with special tool 00 9 010 .

Aluminium screws (3,6,7,8), tightening torque 23 00 1AZ.

Attention!

Do not allow transmission to hang on transmission input shaft when removing and installing, as the clutch disc will be deformed. Pull transmission downwards and remove.

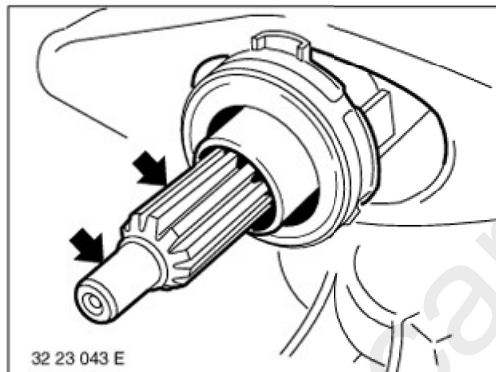
Renew aluminium screws (3,6,7,8).



Installation note:

Check that fitting sleeves are correctly fitted.

Replace damaged fitting sleeves.

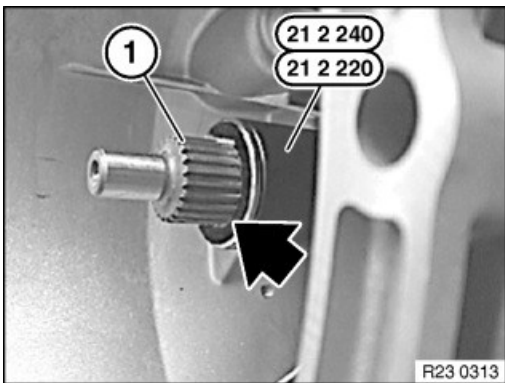


Installation note:

Check lubrication of transmission input shaft for sticky consistency. If the grease is sticky, clean drive shaft and check to make sure the clutch disc is free of grease, replace clutch disc if necessary.

Check clutch disc for frictional corrosion in gearing and replace if necessary.

Remove any grease and lining abrasion from gearing of clutch disc by mechanical means (with a cloth).

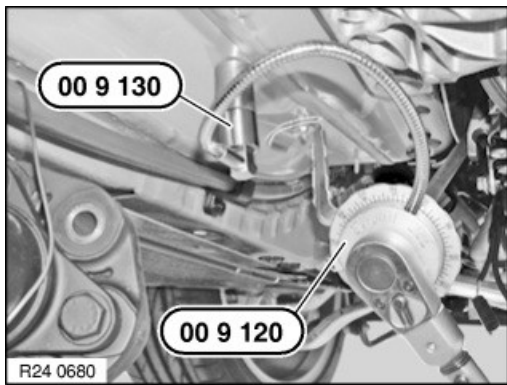


Installation note:

Greasing specification:

- Remove and clean release bearing and release lever.
- Push on grease scraper ring 21 2 240 to the limit position.
- Grease gearing (1) of input shaft with a brush.
Grease, refer to BMW Service Operating Fluids.
- Detach grease scraper ring.
- Install release lever and release bearing.





Installation note:

Tighten down screws/bolts to specified torque.

Special angle-of-rotation tool 00 9 120 with magnet 00 9 130 .

Secure to vehicle underbody and screw down aluminium screws/bolts in accordance with angle of rotation.

Angle of rotation 23 00 1AZ.

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**Warning!**

Danger of poisoning if oil is ingested/absorbed through the skin!

Risk of injury if oil comes into contact with eyes and skin!

**Recycling:**

Observe country-specific waste disposal regulations.

**Measures if oil is unintentionally released:**

- Personal precautionary measures: Danger of slipping! Keep non-involved persons away from the work area. Wear personal protective clothing/equipment.
- Environmental protection measures: Prevent oil from draining into drain channels, sewerage systems, pits, cellars, water and the ground.
- Limiting spread: Use oil blocks to prevent the surface spread of oil.
- Cleaning procedure: Bind and dispose of escaped oil with nonflammable absorbents.

Note: Do not flush oil away with water or aqueous cleaning agents.



23 Transmission designations

Breakdown of BMW designation:

A5S 300J (former designation)		
A	Transmission type	- S = Manual gearbox - A = Automatic transmission
5	Number of forward gears	
S	Type of top gear	- D = Direct gear - S = Overdrive gear
300	Max. input torque (Nm)	
J	Code letter of transmission manufacturer	- G = Getrag - J = Jatco - R = GMPT (General Motors Powertrain) - Z = ZF (Zahnradfabrik Friedrichshafen)
SMG	Notes	SMG = Sequential M gearbox/transmission

GS6-37BZ (new designation according to BMW Group Standard GS 90007)		
G	Transmission	
S	Transmission type	- S = Manual gearbox - A = Automatic transmission
6	Number of forward gears	
-		- = Standard with manual gearshift - HP = Hydraulic planetary gear - DKG= twin-clutch gearbox
37	Transmission type	26 = D-transmission 31 = C-transmission 39 = F-transmission 37 = H-transmission 53 = G-transmission 17 = I-transmission 47= J transmission SMG -7-speed 45 = K transmission 36= Transmission DKG
B	Gear set	- B = Petrol gear ratio - D = Diesel gear ratio - S= Sport gear ratio



Z	Code letter of transmission manufacturer	• G = Getrag • Z = ZF (Zahnradfabrik Friedrichshafen) • A = AISIN
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Manual gearbox:

BMW designation	Manufacturer	Manufacturer designation	Remarks
S5D 200G	Getrag	B transmission (220/5)	
S5D 200G	Getrag	B transmission (221/5)	for M41 engine only
S5D 250G	Getrag	B transmission (220/5)	Reinforced version
S5D 260Z	ZF	C-transmission (S5-31 D)	for M51 engine only
S5D 280Z	ZF	C-transmission (S5-31)	
S5D 310Z	ZF	C-transmission (S5-31)	up to 9.95
S5D 320Z	ZF	C-transmission (S5-31)	from 9.95 (reinforced version)
GS5S31BZ (SMG)	ZF	C transmission	SMG
GS5-39DZ	ZF	F transmission	
S6S 420G	Getrag	D-transmission (226/6)	
S6S 420G (SMG)	Getrag	D transmission	SMG
S6S 560G	Getrag	E-transmission (286/6)	
GS6-37BZ	ZF	H-transmission	
GS6S37BZ (SMG)	ZF	H-transmission	
GS6-37DZ	ZF	H-transmission	
GS6-37BG	Getrag	H-transmission	
GS6-53BZ	ZF	G-transmission	
GS6-53DZ	ZF	G-transmission	
GS6-17BG	Getrag	I-transmission	
GS6-17DG	Getrag	I-transmission	
GS7S47BG (SMG)	Getrag	J-transmission (247)	SMG -7-gear
GS7D36SG	Getrag	DKG (436)	DKG -7-gear
GS6- 45BZ	ZF	K transmission	
GS6- 45DZ	ZF	K transmission	
GS6-60DA/BA	AISIN	BG6	



7DCT300	Getrag	7DCT	DKG -7-gear
GS6-58DG/BG	Getrag		
GS6-59DG/BG	Getrag		

Automatic transmission:

BMW designation	Manufacturer	Manufacturer designation	Remarks
A4S 200R	General Motors Powertrain	GM4	
A4S 270R	General Motors Powertrain	THM-R1w	Transmission wide-stepped
A4S 310R	General Motors Powertrain	THM-R1	
A5S 300J	Jatco	Jatco	
A5S 310Z	ZF	5HP-18	
A5S 325Z	ZF	5HP-19	
A5S 440Z	ZF	5HP-24	
A5S 560Z	ZF	5HP-30	
A5S 360R / 390R	GM	GM5	
GA6F21AW	AISIN	GA6F21AW	
GA6HP19Z	ZF	6HP19	
GA6HP26Z	ZF	6HP26	
GA6HP32Z	ZF	6HP32	
GA6L45R	GM	GM6	
GA6F21AW	AISIN	GA6F21AW	
GA8F22AW	AISIN	GA8F22AW	
GA8G45	AISIN	8G45	
GA8HP45Z	ZF	8HP45	
GA8HP50Z	ZF	8HP50	
GA8HP51Z	ZF	8HP51	
GA8HP70Z	ZF	8HP70	
GA8HP75Z	ZF	8HP75	
GA8HP76Z	ZF	8HP76	
GA8P70H	ZF	8P70	Hybrid
GA8P75H	ZF	8P75	Hybrid
GA8HP90Z	ZF	8HP90	
GA8HP95Z	ZF	8HP95	



GA7AHSCD	Daimler	AHS-C	Hybrid
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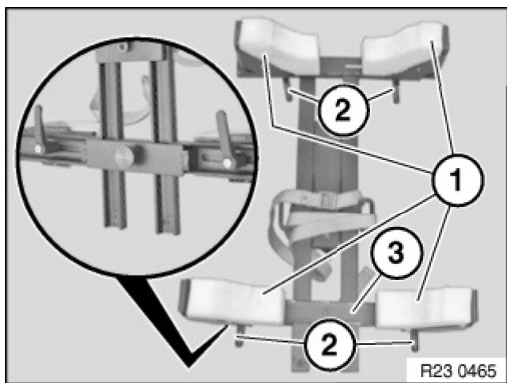


**Special tools required:**

- 00 2 030
- 23 4 050

**Note:**

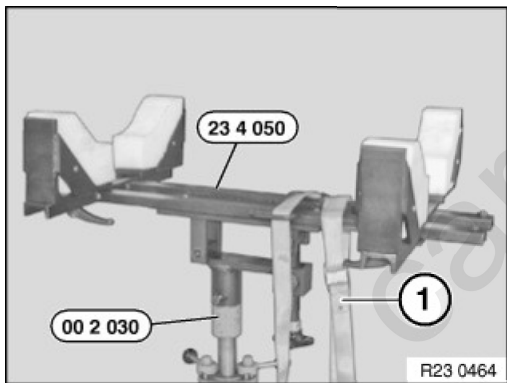
- The universal transmission bracket is introduced for the E60 AWD
- Suitable for manual and automatic transmissions

**Important!**

Front and rear supports (1) can be laterally adjusted by means of screws (2).

Carrier (3) of rear supports (1) can be longitudinally adjusted by means of screw.

Supports must be adapted in length and width to the transmission.

**Supporting transmission:**

Support transmission with special tools 23 4 050 , 00 2 030 .

Important!

Transmission must be secured with tensioning strap (1).



23 Universal transmission retaining bridge



Special tools required:

- 0 495 187
- 24 0 200



Note:

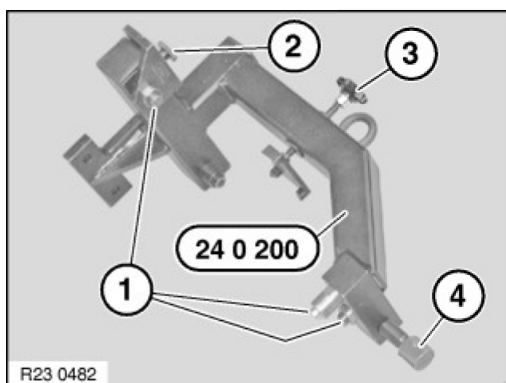
- Transmission retaining bridge 24 0 200 is suitable for manual and automatic transmissions



Attention!

The adapter and shaft must be adapted to positively lock with the transmission.

(Danger of injury)



Adapt the adapter (1) and spindle with the thrust piece (3) on the transmission.

Adjust the length using the sliding piece (2).

Screw in spindle (4).

Attention!

Before mounting on assembly stand 0 495 187 check retraining bridge for tight fit.



**Special tools required:**

- 23 4 050
- 00 2 030

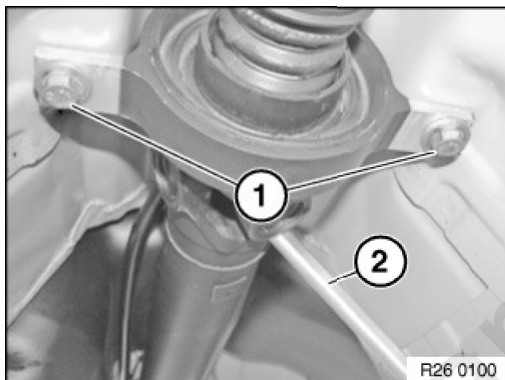
**Important!**

After installing the zero-gear sensor, it is necessary to teach in the position of the zero-gear sensor again.

Calibration is carried out using the BMW Diagnosis System "Service Function" (Learn/record zero-gear sensor).

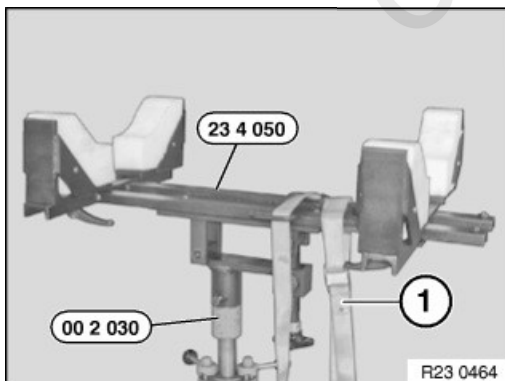
**Necessary preliminary tasks:**

- Remove rear underbody protection.
- Remove complete exhaust system.
- Remove heat shields.



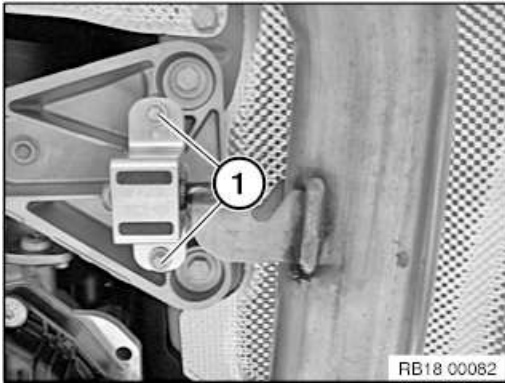
Unfasten screws (2).

Tightening torque 26 11 5AZ.

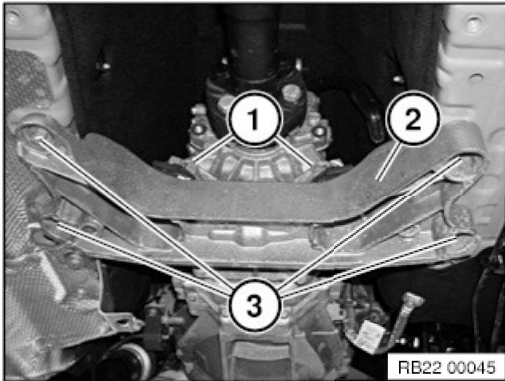


Support transmission with special tools 23 4 050 ,00 2 030 .

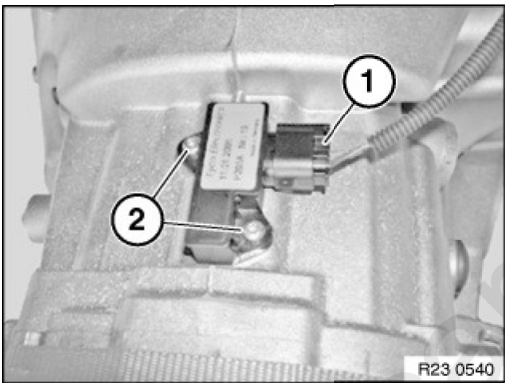




Release screws (1).
Tightening torque 18 20 2AZ.
Detach rubber mount of exhaust system.



Release screws (3).
Tightening torque 22 32 3AZ.
Lower transmission.

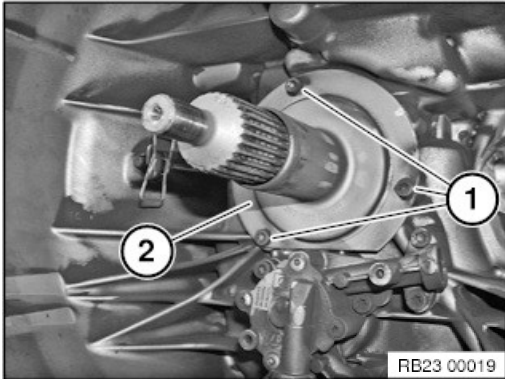


Disconnect plug connection (1) on zero gear sensor.
Unfasten screws (2).
Remove zero gear sensor.
Installation note:
Replace screws (2).
Tightening torque 23 14 2AZ.



**Necessary preliminary tasks:**

- Remove transmission.
- Remove clutch operator and release lever from guide tube.



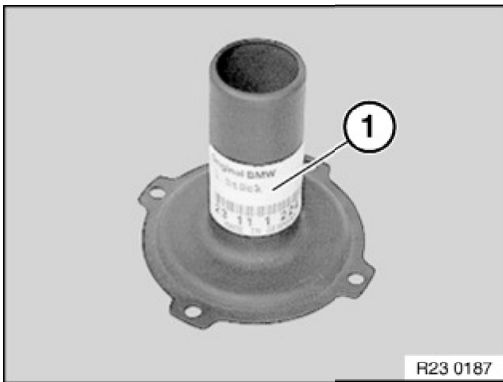
Release screws (1).

Tightening torque: 23 11 2AZ.

Remove guide tube (2).

Installation note:

Replace screws (1).

**Installation note:**

Remove all traces of label (1) and adhesive from guide tube using suitable solvent.

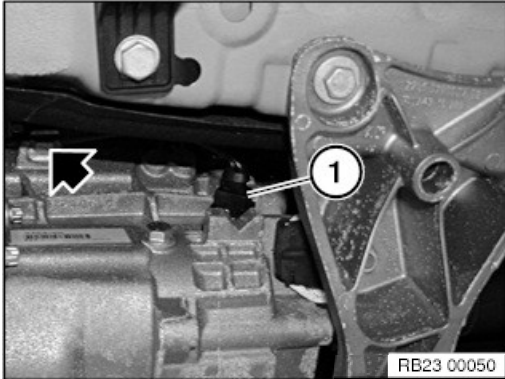


23 14 ... Replacing reversing light switch



Necessary preliminary tasks:

- Remove rear underbody protection.



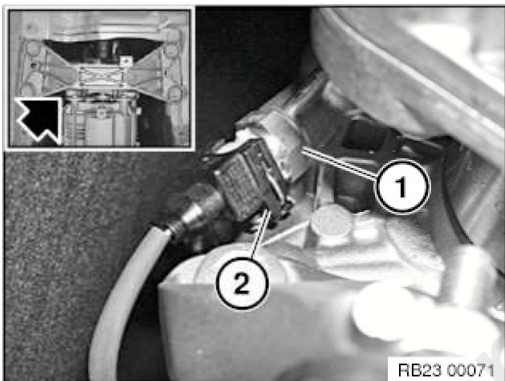
Transmission GS6-17DG/BG

Disconnect plug connection (1) on reverse gear switch.

Remove reverse gear switch.

Tightening torque 23 14 1AZ.

Note: Transmission GS6- 45DZ



Disconnect plug connection (2) from the reversing light switch.

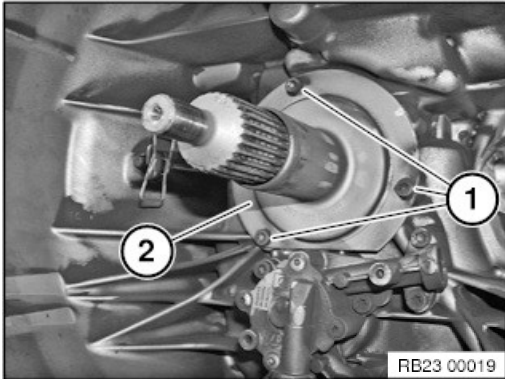
Remove reversing light switch.

Tightening torque 23 14 1AZ.



**Necessary preliminary tasks:**

- Remove transmission.
- Remove clutch operator and release lever from guide tube.



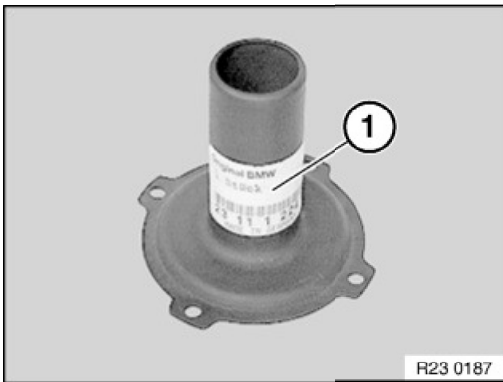
Release screws (1).

Tightening torque: 23 11 2AZ.

Remove guide tube (2).

Installation note:

Replace screws (1).

**Installation note:**

Remove all traces of label (1) and adhesive from guide tube using suitable solvent.



**Special tools required:**

- 23 0 490
- 23 0 220

**Important!**

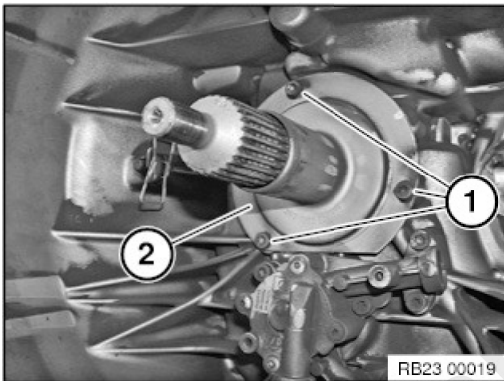
After completion of repair work, check transmission oil level.

Use only approved transmission oil.

Failure to comply with this requirement will result in serious damage to the automatic transmission!

**Necessary preliminary tasks:**

- Remove transmission.
- Remove clutch operator and release lever from guide tube.



Release screws (1).

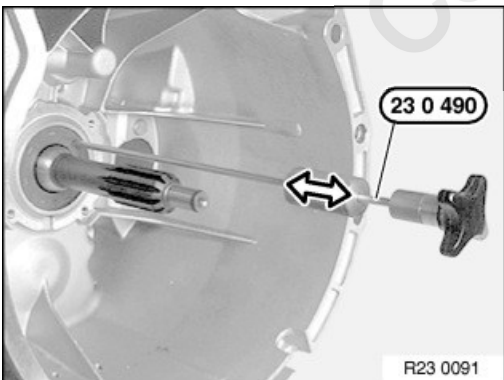
Tightening torque: 23 11 2AZ.

Remove guide tube (2).

Installation note:

Clean guide tube.

Do not grease guide tube.



Drive a hole into radial shaft seal using a centre punch.

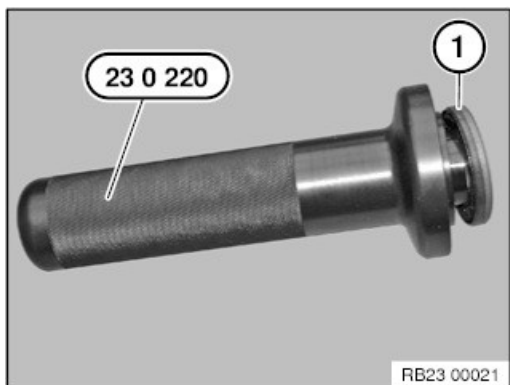
Important!

Do not use a drill as drillings may result in transmission malfunction.

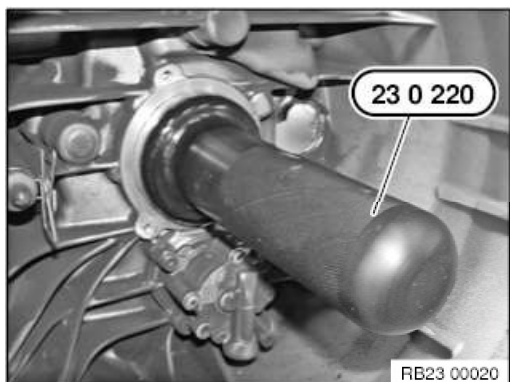
Screw special tool 23 0 490 into radial shaft seal.

Withdraw radial shaft seal from transmission housing with aid of impact weight.





Push radial shaft seal (1) onto special tool 23 0 220 . *Installation note:*
Coat sealing lips of radial shaft seal with transmission oil.



Slide special tool 23 0 220 onto drive shaft.
Drive in radial shaft seal with plastic hammer as far as it will go.



**Special tools required:**

- 2 219 637
- 23 0 220

**Important!**

After completion of repair work, check transmission oil level.

Use only approved transmission oil.

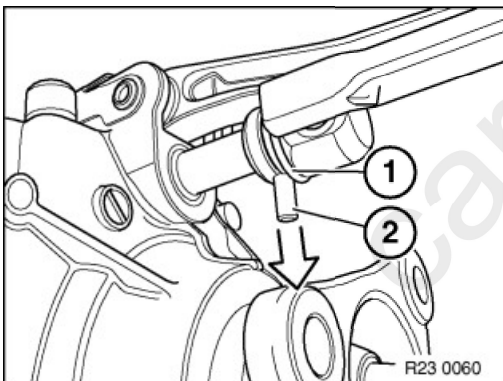
Failure to comply with this instruction will result in serious damage to the transmission.

**Necessary preliminary tasks:**

- Shift transmission into 2nd gear.
- Partially release propeller shaft.
 - Disconnect propeller shaft at transmission.
 - Release centre mount.
 - Tie up propeller shaft to underbody.

Note:

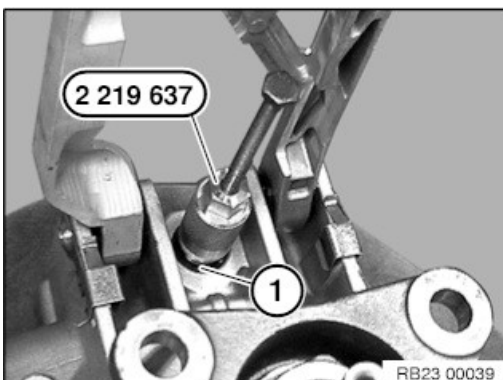
Bending the propeller shaft by an excessive angle can cause premature damage to the joint/propeller shaft!



Lever circlamp (1) out of groove with a small screwdriver.

Slide circlamp (1) towards rear.

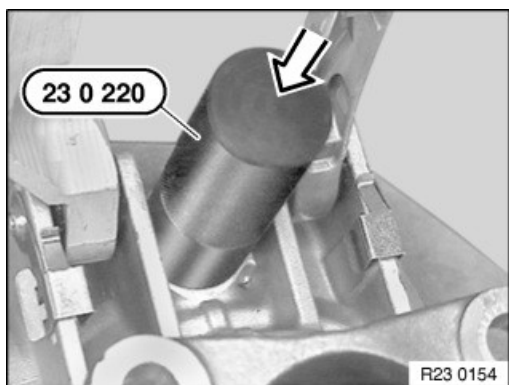
Drive out cylinder pin (2).



Screw in special tool 2 219 637 until it is firmly connected with radial shaft seal (1).

Pull out radial shaft seal with special tool 2 219 637 .





Coat sealing lips of radial shaft seal and gearshift shaft with transmission oil.

Drive in radial shaft seal with special tool 23 0 220 .

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**Special tools required:**

- 23 0 020
- 24 2 380
- 33 1 150
- 33 1 154
- 23 3 210
- 23 3 230

**Important!**

After completion of repair work, check transmission oil level.

Use only approved transmission oil.

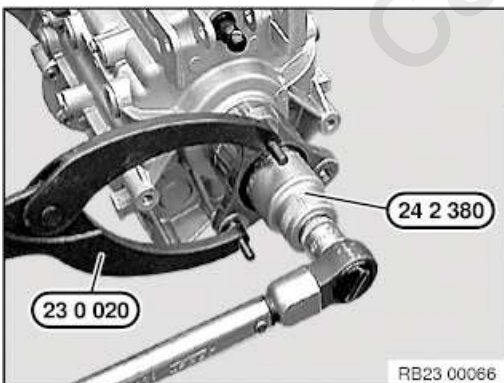
Failure to comply with this instruction will result in serious damage to the transmission.

**Necessary preliminary tasks:**

- Remove cross member.
- Partially remove propeller shaft.
 - Disconnect propeller shaft at transmission.
 - Release centre mount.
 - Tie up the propeller shaft to the vehicle underbody.

Note:

Bending the propeller shaft by an excessive angle can cause premature damage to the joint/propeller shaft!



Brace output flange with special tool 23 0 020 .

Undo collar nuts with special tool 24 2 380 .

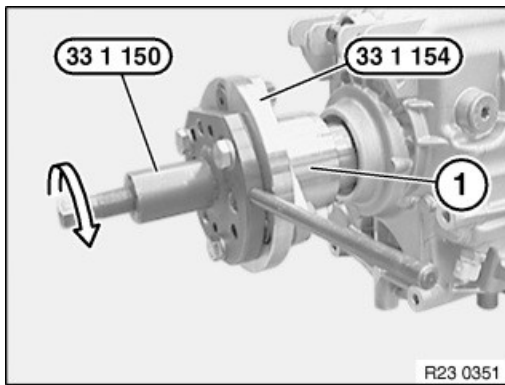
Important!

Do not drive on flange.

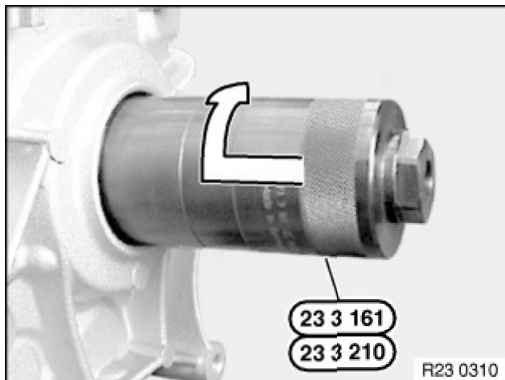
Secure collar nut with Loctite 243.

- Loctite 243: BMW Parts Department.
- Tightening torque: 23 21 1AZ.



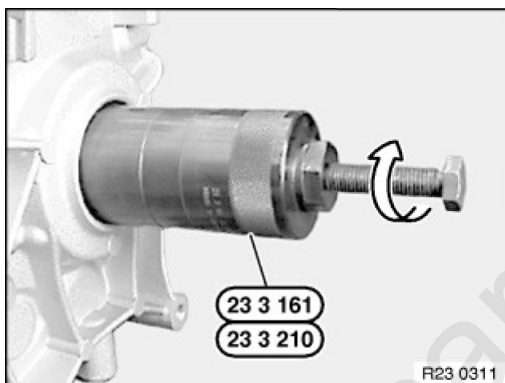


Detach output flange (1) with special tool 33 1 150 and adapter plate 33 1 154 from output shaft.



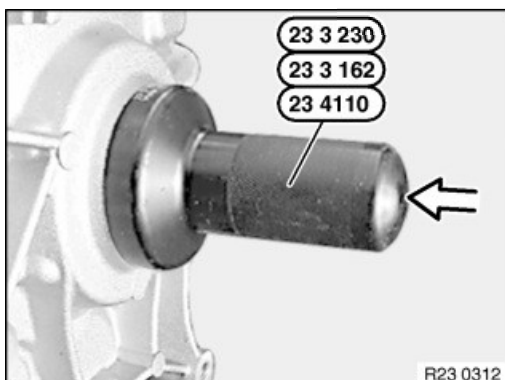
Release screw on special tool 23 3 210 .

23 3 210 Push special tool over output shaft and screw firmly into sealing ring.



Insert screw into special tool 23 3 210 again and continue turning until sealing ring is pulled out of transmission housing.

If necessary, remove ring spring of sealing ring.



Installation note:

Coat sealing lips of new radial shaft seal with transmission oil.

Drive radial shaft seal fully home using special tool 23 3 230 and plastic hammer.



**Special tools required:**

- 23 4 050
- 00 2 030

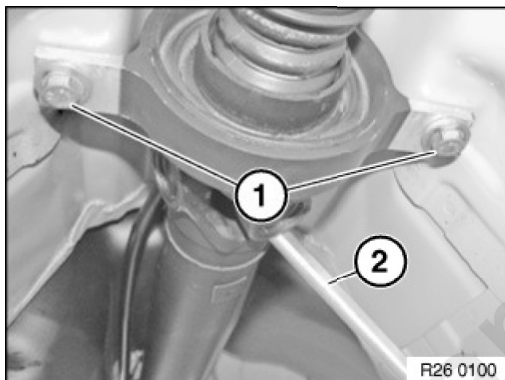
**Important!**

After installing the zero-gear sensor, it is necessary to teach in the position of the zero-gear sensor again.

Calibration is carried out using the BMW Diagnosis System "Service Function" (Learn/record zero-gear sensor).

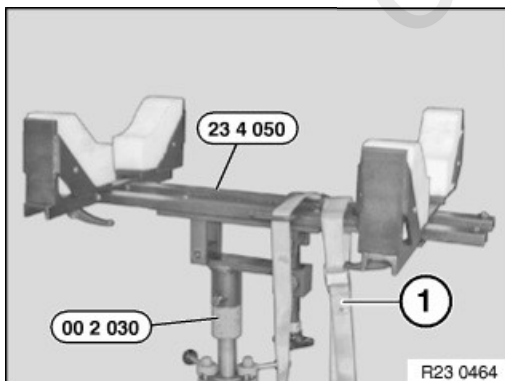
**Necessary preliminary tasks:**

- Remove rear underbody protection.
- Remove complete exhaust system.
- Remove heat shields.



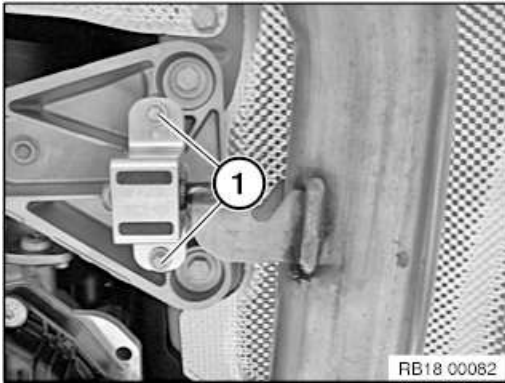
Unfasten screws (2).

Tightening torque 26 11 5AZ.

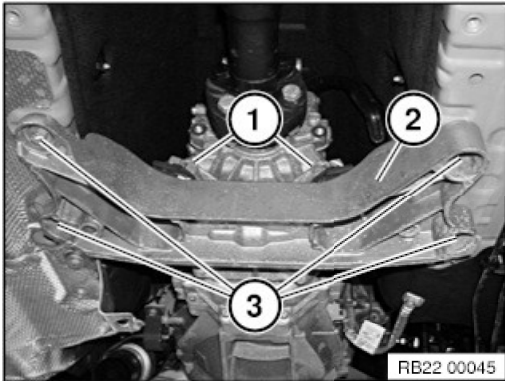


Support transmission with special tools 23 4 050 ,00 2 030 .

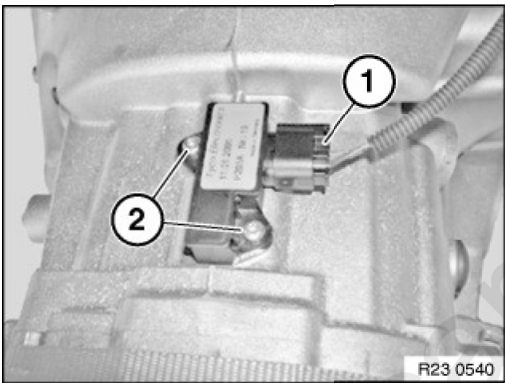




Release screws (1).
Tightening torque 18 20 2AZ.
Detach rubber mount of exhaust system.



Release screws (3).
Tightening torque 22 32 3AZ.
Lower transmission.



Disconnect plug connection (1) on zero gear sensor.
Unfasten screws (2).
Remove zero gear sensor.
Installation note:
Replace screws (2).
Tightening torque 23 14 2AZ.

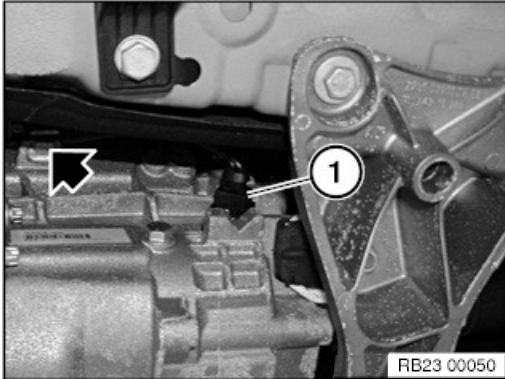


23 14 ... Replacing reversing light switch



Necessary preliminary tasks:

- Remove rear underbody protection.



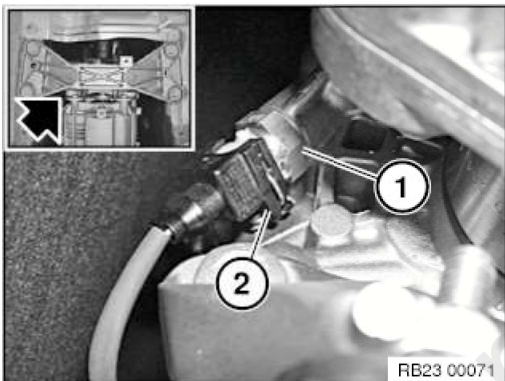
Transmission GS6-17DG/BG

Disconnect plug connection (1) on reverse gear switch.

Remove reverse gear switch.

Tightening torque 23 14 1AZ.

Note: Transmission GS6- 45DZ



Disconnect plug connection (2) from the reversing light switch.

Remove reversing light switch.

Tightening torque 23 14 1AZ.



23 Transmission designations

Breakdown of BMW designation:

A5S 300J (former designation)		
A	Transmission type	- S = Manual gearbox - A = Automatic transmission
5	Number of forward gears	
S	Type of top gear	- D = Direct gear - S = Overdrive gear
300	Max. input torque (Nm)	
J	Code letter of transmission manufacturer	- G = Getrag - J = Jatco - R = GMPT (General Motors Powertrain) - Z = ZF (Zahnradfabrik Friedrichshafen)
SMG	Notes	SMG = Sequential M gearbox/transmission

GS6-37BZ (new designation according to BMW Group Standard GS 90007)		
G	Transmission	
S	Transmission type	- S = Manual gearbox - A = Automatic transmission
6	Number of forward gears	
-		- = Standard with manual gearshift - HP = Hydraulic planetary gear - DKG= twin-clutch gearbox
37	Transmission type	26 = D-transmission 31 = C-transmission 39 = F-transmission 37 = H-transmission 53 = G-transmission 17 = I-transmission 47= J transmission SMG -7-speed 45 = K transmission 36= Transmission DKG
B	Gear set	- B = Petrol gear ratio - D = Diesel gear ratio - S= Sport gear ratio



Z	Code letter of transmission manufacturer	- G = Getrag - Z = ZF (Zahnradfabrik Friedrichshafen) - A = AISIN
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Manual gearbox:

BMW designation	Manufacturer	Manufacturer designation	Remarks
S5D 200G	Getrag	B transmission (220/5)	
S5D 200G	Getrag	B transmission (221/5)	for M41 engine only
S5D 250G	Getrag	B transmission (220/5)	Reinforced version
S5D 260Z	ZF	C-transmission (S5-31 D)	for M51 engine only
S5D 280Z	ZF	C-transmission (S5-31)	
S5D 310Z	ZF	C-transmission (S5-31)	up to 9.95
S5D 320Z	ZF	C-transmission (S5-31)	from 9.95 (reinforced version)
GS5S31BZ (SMG)	ZF	C transmission	SMG
GS5-39DZ	ZF	F transmission	
S6S 420G	Getrag	D-transmission (226/6)	
S6S 420G (SMG)	Getrag	D transmission	SMG
S6S 560G	Getrag	E-transmission (286/6)	
GS6-37BZ	ZF	H-transmission	
GS6S37BZ (SMG)	ZF	H-transmission	
GS6-37DZ	ZF	H-transmission	
GS6-37BG	Getrag	H-transmission	
GS6-53BZ	ZF	G-transmission	
GS6-53DZ	ZF	G-transmission	
GS6-17BG	Getrag	I-transmission	
GS6-17DG	Getrag	I-transmission	
GS7S47BG (SMG)	Getrag	J-transmission (247)	SMG -7-gear
GS7D36SG	Getrag	DKG (436)	DKG -7-gear
GS6- 45BZ	ZF	K transmission	
GS6- 45DZ	ZF	K transmission	
GS6-60DA/BA	AISIN	BG6	



7DCT300	Getrag	7DCT	DKG -7-gear
GS6-58DG/BG	Getrag		
GS6-59DG/BG	Getrag		

Automatic transmission:

BMW designation	Manufacturer	Manufacturer designation	Remarks
A4S 200R	General Motors Powertrain	GM4	
A4S 270R	General Motors Powertrain	THM-R1w	Transmission wide-stepped
A4S 310R	General Motors Powertrain	THM-R1	
A5S 300J	Jatco	Jatco	
A5S 310Z	ZF	5HP-18	
A5S 325Z	ZF	5HP-19	
A5S 440Z	ZF	5HP-24	
A5S 560Z	ZF	5HP-30	
A5S 360R / 390R	GM	GM5	
GA6F21AW	AISIN	GA6F21AW	
GA6HP19Z	ZF	6HP19	
GA6HP26Z	ZF	6HP26	
GA6HP32Z	ZF	6HP32	
GA6L45R	GM	GM6	
GA6F21AW	AISIN	GA6F21AW	
GA8F22AW	AISIN	GA8F22AW	
GA8G45	AISIN	8G45	
GA8HP45Z	ZF	8HP45	
GA8HP50Z	ZF	8HP50	
GA8HP51Z	ZF	8HP51	
GA8HP70Z	ZF	8HP70	
GA8HP75Z	ZF	8HP75	
GA8HP76Z	ZF	8HP76	
GA8P70H	ZF	8P70	Hybrid
GA8P75H	ZF	8P75	Hybrid
GA8HP90Z	ZF	8HP90	
GA8HP95Z	ZF	8HP95	



GA7AHSCD	Daimler	AHS-C	Hybrid
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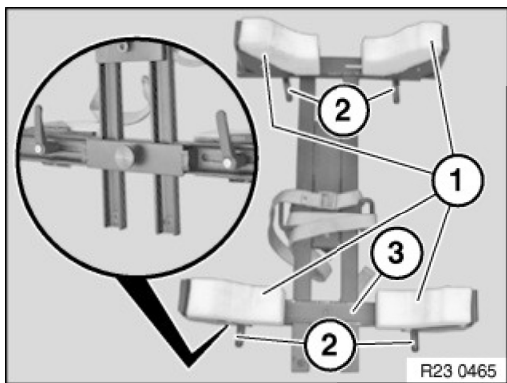


**Special tools required:**

- 00 2 030
- 23 4 050

**Note:**

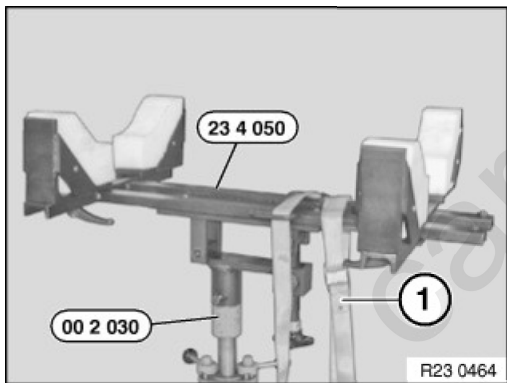
- The universal transmission bracket is introduced for the E60 AWD
- Suitable for manual and automatic transmissions

**Important!**

Front and rear supports (1) can be laterally adjusted by means of screws (2).

Carrier (3) of rear supports (1) can be longitudinally adjusted by means of screw.

Supports must be adapted in length and width to the transmission.

**Supporting transmission:**

Support transmission with special tools 23 4 050 , 00 2 030 .

Important!

Transmission must be secured with tensioning strap (1).



23 Universal transmission retaining bridge



Special tools required:

- 0 495 187
- 24 0 200



Note:

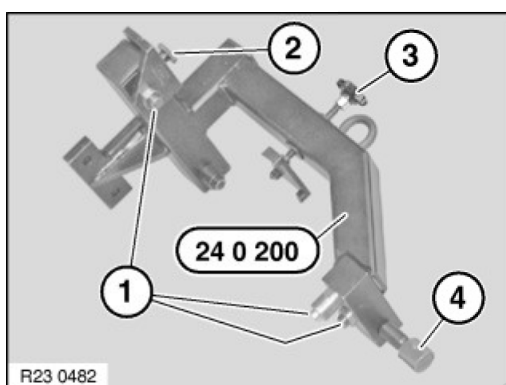
- Transmission retaining bridge 24 0 200 is suitable for manual and automatic transmissions



Attention!

The adapter and shaft must be adapted to positively lock with the transmission.

(Danger of injury)



Adapt the adapter (1) and spindle with the thrust piece (3) on the transmission.

Adjust the length using the sliding piece (2).

Screw in spindle (4).

Attention!

Before mounting on assembly stand 0 495 187 check retraining bridge for tight fit.

