REP-REP-RAF3026-2611000 Removing and installing propeller shaft (inserted) completely, VIN: XXXXXXX

ISTA system version	3.55.11.16402	Data version	R3.54	Programming data	-
VIN	XXXXXXX	Vehicle	2'/F22/Coupe/M235i/N55/MANUAL/US/LL/2016/02		
Int.lev.works	-	Int.lev. (cur.)	-	Int.lev.(tar.)	-
Mileage	0 km				

26 11 000 Removing and installing propeller shaft (inserted) completely

Special tools required:

- 00 9 120
- 00 9 130
- 33 0 080
- 33 5 070

Important!

On four-wheel drive vehicles with defective, non-engaging drive, it is imperative that the following information is taken account of.

- Additional work when replacing the propeller shaft.

Important!

Replacement of the sunk nut on the rear axle final drive is absolutely required!

The sunk nut already has a screw locking.

After the propeller shaft has been screwed into the rear axle final drive (sunk nut), a **hardening time of at least 2 hours** is absolutely necessary.

The hardening time may be extended at lower temperatures!

Failure to comply with these instructions may cause serious damage!

Necessary preliminary tasks:

- Remove complete exhaust system.
- Remove heat shields.
- Support transmission with lifter.
- Remove cross member if necessary.

Important!

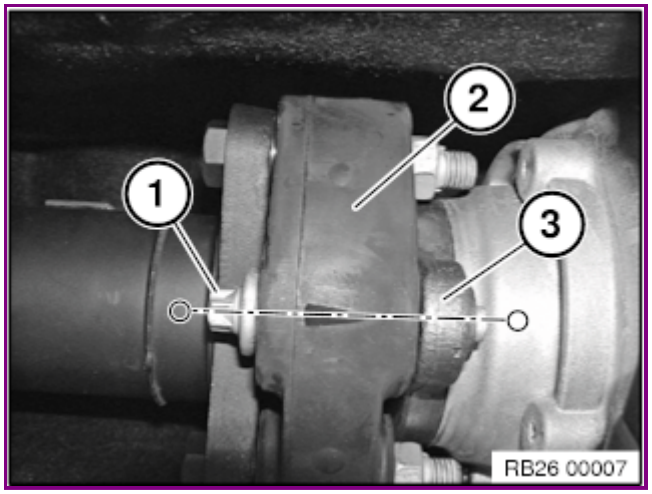
Adhere without fail to the installation and bolt-tightening sequence.

Installation sequence:

1. Join propeller shaft to transmission
2. Join propeller shaft to rear axle final drive
3. Join centre mount

Screw-fastening sequence:

1. Insert nut
2. Flexible disc to transmission
3. Centre mount

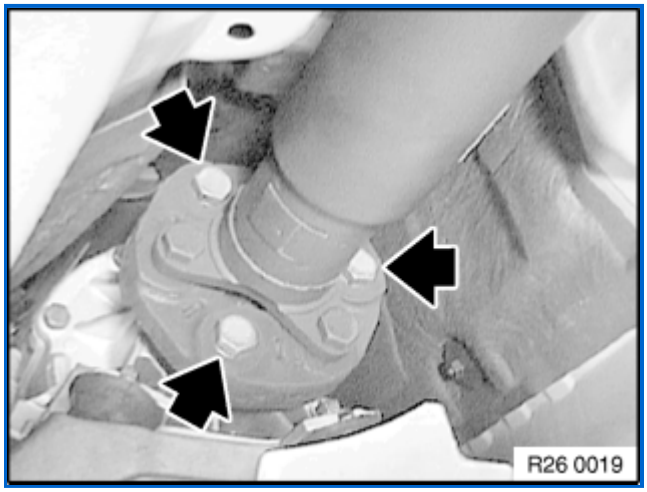


Important!

To avoid buzzing sound after refitting the propeller shaft:

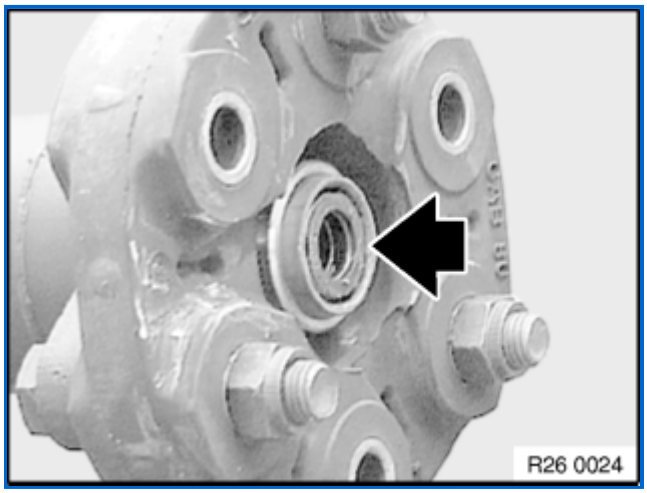
1. The flexible disc connection (1) on the front at the propeller shaft **must** be marked in one plane with the flexible disc (2) and the three-bolt flange (3) before removal.
2. During installation the three-bolt flange (3) must be forced back together again with the flexible disc (2) in the same position.
3. Replace ZNS screws and self-locking nuts.

Loosen screws.



Installation note:

- Renew ZNS screws and self-locking nuts
- Grip mounting bolts of flexible disc at nuts and tighten down by way of bolts.



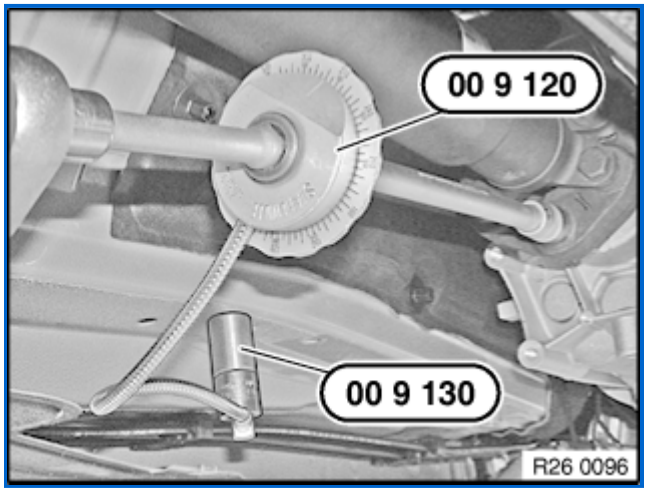
Installation note:

Check centring mount.

If necessary, replace damaged centring.

Grease centring mount.

- Grease: BMW Service Operating Fluids.



Installation note:

Tighten down screws/bolts to specified torque.

Secure angle of rotation special tool 00 9 120 with magnets 00 9 130 to vehicle underbody and screw down further according to angle of rotation.

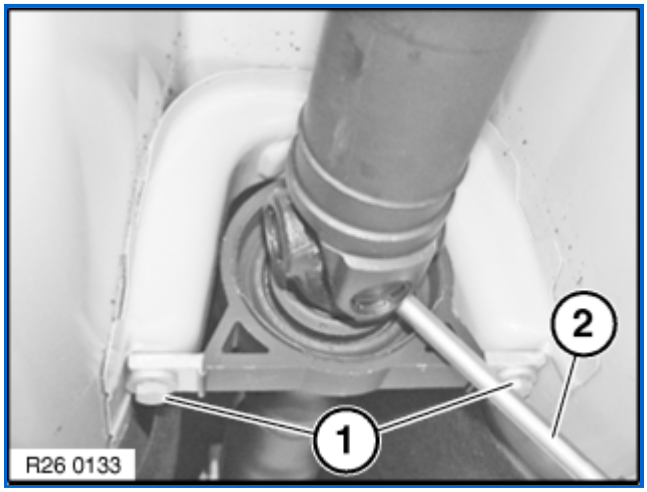
Tightening torque 26 11 1AZ.

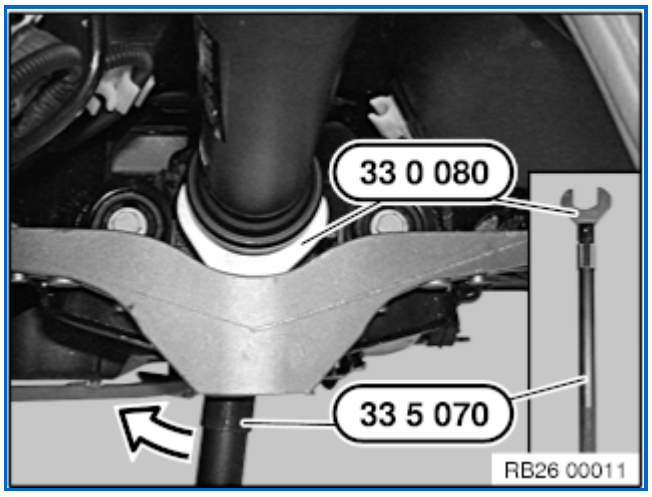
Slacken screws (1)

Tightening torque 26 11 5AZ.

Using a suitable tool (2), secure propeller shaft at centre universal joint against twisting.

Remove screws of centre mount fully only after opening insert nut.





Important!

The bi-hexagonal flange nut must not be used for bracing.

Failure to comply with this instruction may result in serious damage to the rear axle final drive.

Important!

The sunk nut must be opened clockwise - see direction of arrow.

Turning the recessed nut in anticlockwise direction will automatically tighten the recessed nut further and significantly damage the bi-hexagonal flange nut.

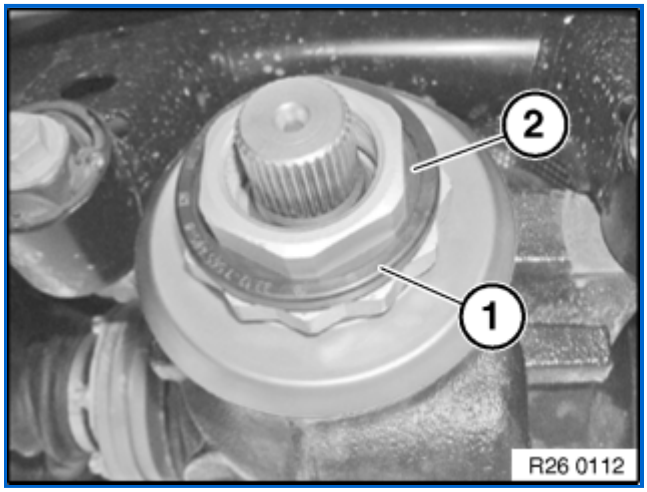
If the insert collar of the flange nut was damaged, the propeller shaft can **no longer** be secured using a new sunk nut and the rear axle differential must be replaced.

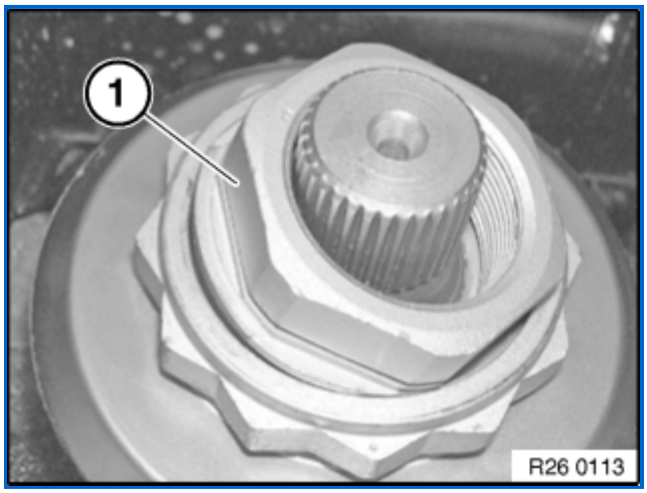
Release sunk nut **clockwise with special tools 33 0 080 and 33 5 070.**

Tightening torque 26 11 6AZ.

Remove retaining clip (1) and gasket (2).

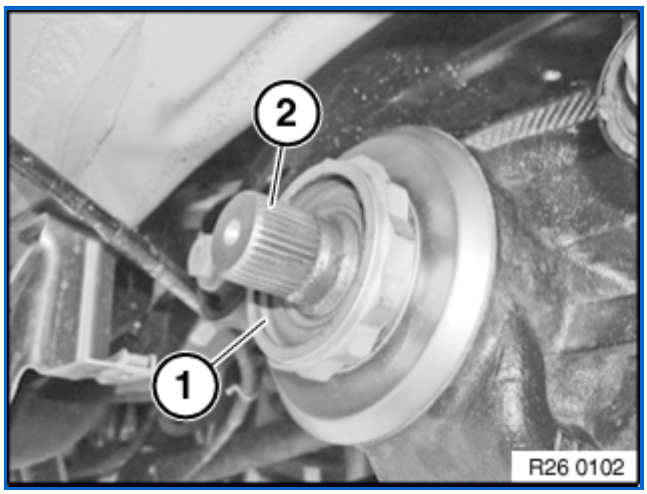
Installation note:
Retaining clip and gasket must be replaced.





Remove insert nut (1).

Installation note:
Insert nut must be replaced.



Before installing propeller shaft:

Clean insert collar (1) on flange nut and spline teeth on bevel pinion (2).

Top up insert collar (1) with grease.

Grease: BMW Service Operating Fluids.

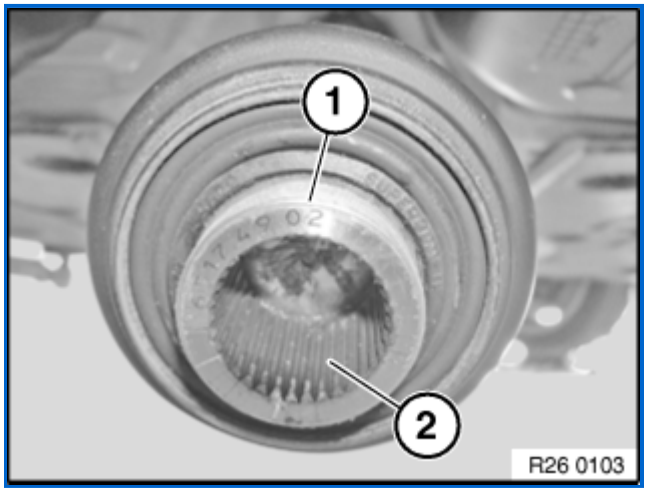
Clean thread (1) of joint hub to remove adhesive residues.

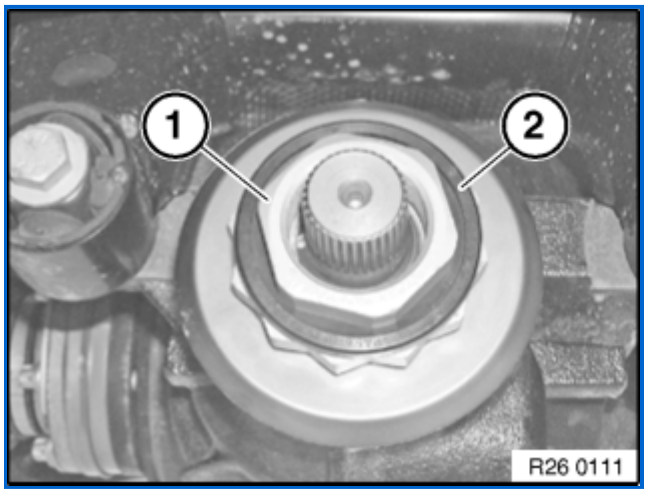
Clean hub teeth (2), then coat with grease.

Grease: BMW Service Operating Fluids.

Important!

Thread of joint hub must **not** be fouled with grease.





Place insert nut (1) with seal in insert collar of flange nut.

Install retaining clip (2).

Important!

Adhere without fail to the installation and bolt-tightening sequence.

Installation sequence:

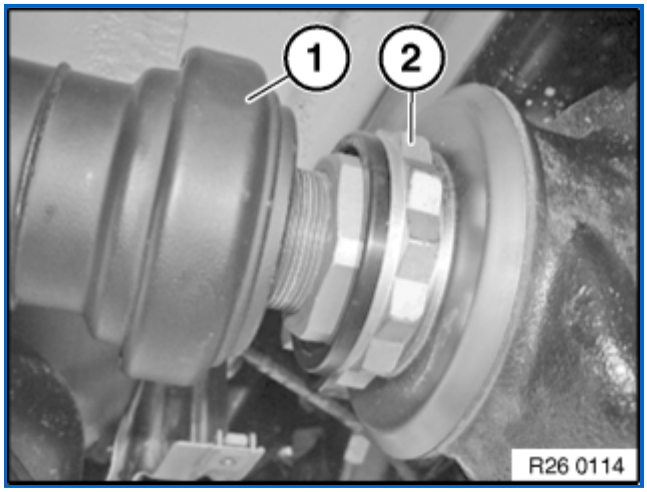
1. Join propeller shaft to transmission
2. Join propeller shaft to rear axle final drive
3. Join centre mount

Screw-fastening sequence:

1. Insert nut
2. Flexible disc to transmission
3. Centre mount

Slide propeller shaft (1) to the limit position onto insert nut and secure.

Secure propeller shaft at centre universal joint against



turning with a mounting lever.

Important!

The bi-hexagonal flange nut (2) must not be used for bracing.

Failure to comply with this instruction may result in serious damage to the rear axle final drive.

Insert nut must be screwed into place **within 5 min**.

Tightening torque 26 11 6AZ.