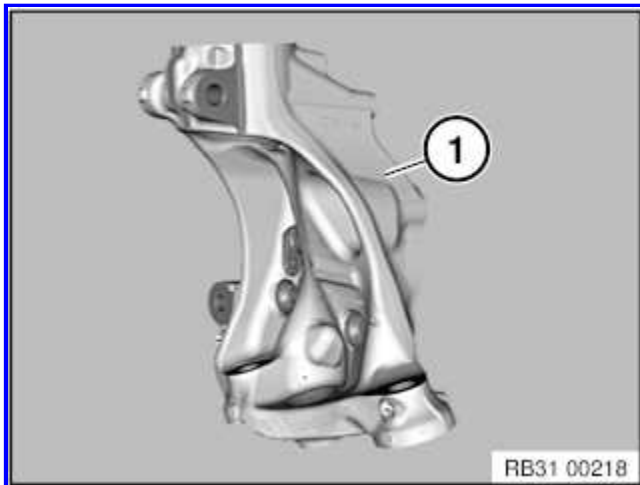


31 21 090**Replacing left / right swivel bearing****Special tools required:**

- [31 2 230](#)

**Note:**

When replacing swivel bearing pay attention to camber correction swivel bearings.

Camber correction swivel bearing are used to correct the camber values by ± 30 minutes. To be used only if the camber tolerance values are exceeded and undershot.

Important!

On the M135i and M235i the camber correction of -30 min for the swivel bearing is standard status for production vehicles.

Identification is made at the [part number on swivel bearing](#).

**Necessary preliminary tasks:**

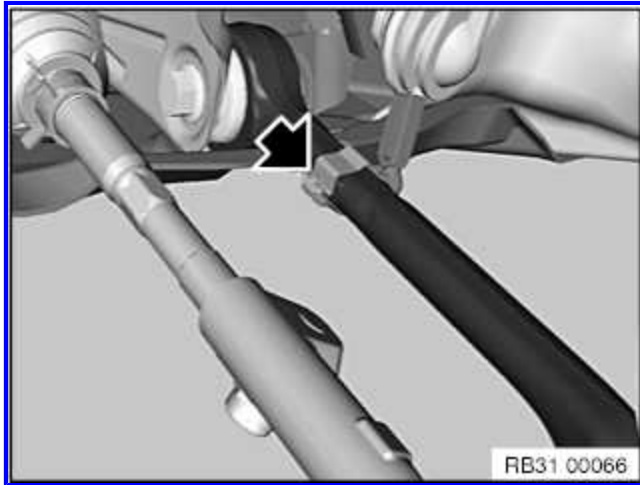
- Remove [brake disc](#).
- Remove [pulse sensor from swivel bearing](#).

Important!

Prior to installation, check sensor head and cable from pulse sensor and renew if necessary.

Only on ride-height sensor at left:

Release link at wishbone.

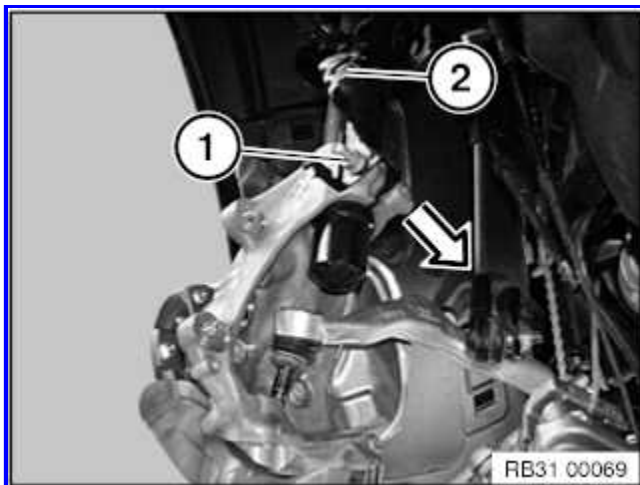


Slacken [wishbone bolt connection on front axle support](#) in order to prevent wishbone rubber mount from being damaged.

Remove [wishbone from swivel bearing](#).

Remove [track rod end from swivel bearing](#).

Remove [tension strut from swivel bearing](#)



Support swivel bearing with workshop jack and suitable fixture.

Slacken nut (1).

Tightening torque [31 31 3AZ](#).

Take off holder (2).

Pull out screw.

Installation note:

Replace nut (1).

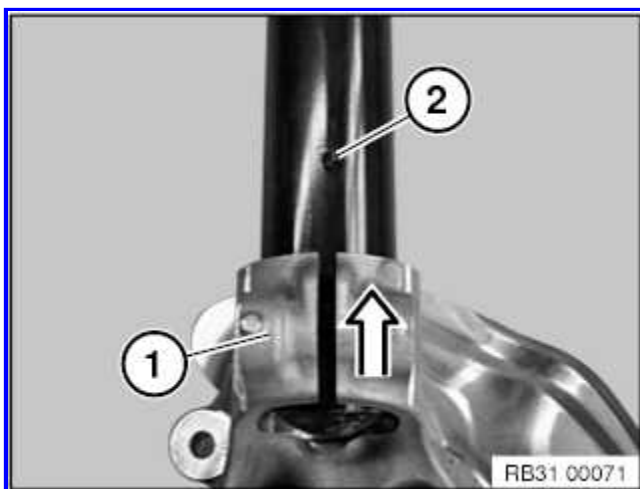
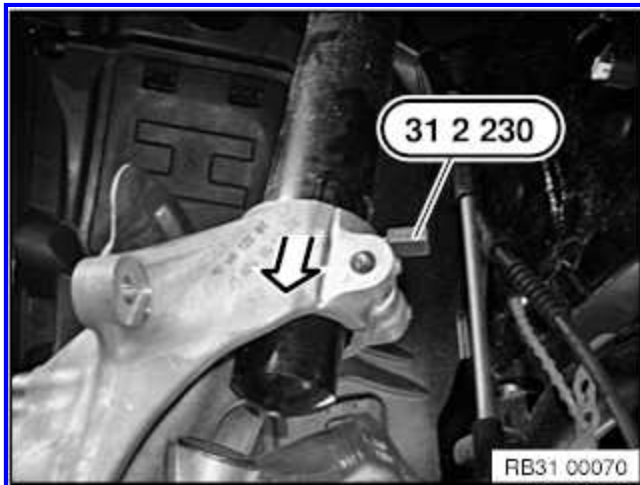
Bolt head points in direction of travel.

Expand swivel bearing with special tool [31 2 230](#).

Lower workshop jack and remove swivel bearing.

Installation note:

Keep press fit of swivel bearing and spring strut in lower area clean and free from oil and grease.



Installation note:

Expand swivel bearing with special tool [31 2 230](#).

Align gap on swivel bearing (1) to positioning pin (2) on spring strut.

Slide on swivel bearing to limit position.



- Remount [wheel bearing](#) or replace if necessary.
- Remount [brake guard plate](#) or replace if necessary.

After installation:

- Carry out [wheel alignment procedure](#).

