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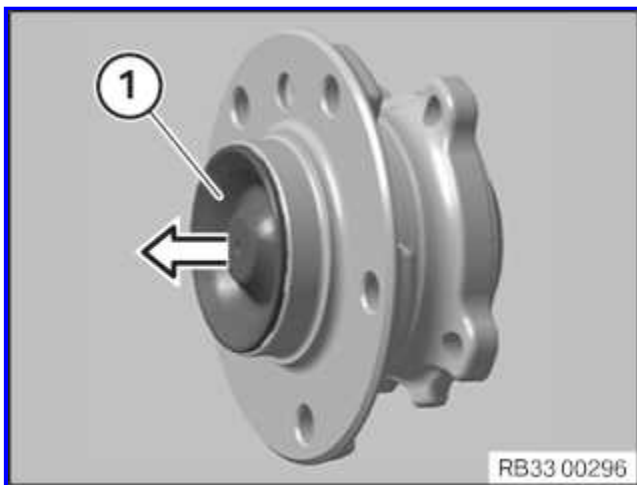
Replacing drive flange on left/right rear axle shaft**Necessary preliminary tasks:**

- Remove [rear wheel](#).
- Remove [parking brake shoes](#).

**Important!**

Check sensor head and cable of pulse sensor and renew if necessary.

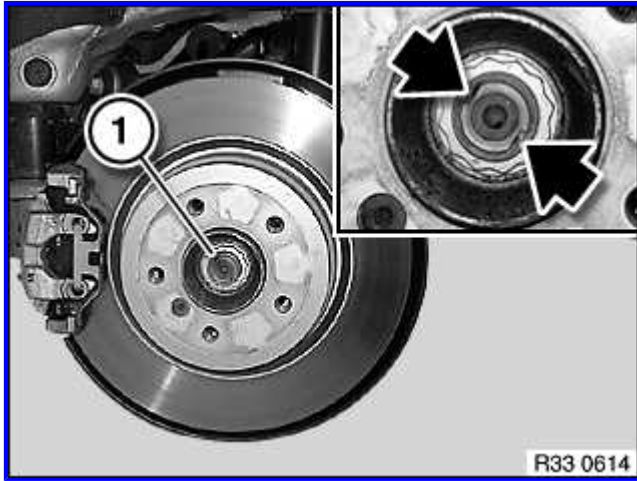
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If necessary, remove visual protection cap (1).

Important!

Expand anti-twist lock sufficiently to avoid damaging thread when releasing collar nut (1).



Activate parking brake and release collar nut (1).

Tightening torque [33 41 1AZ](#).

Installation note:

Slightly grease the gearing at the shaft journal.

No oil permitted on thread of shaft journal or collar nut.

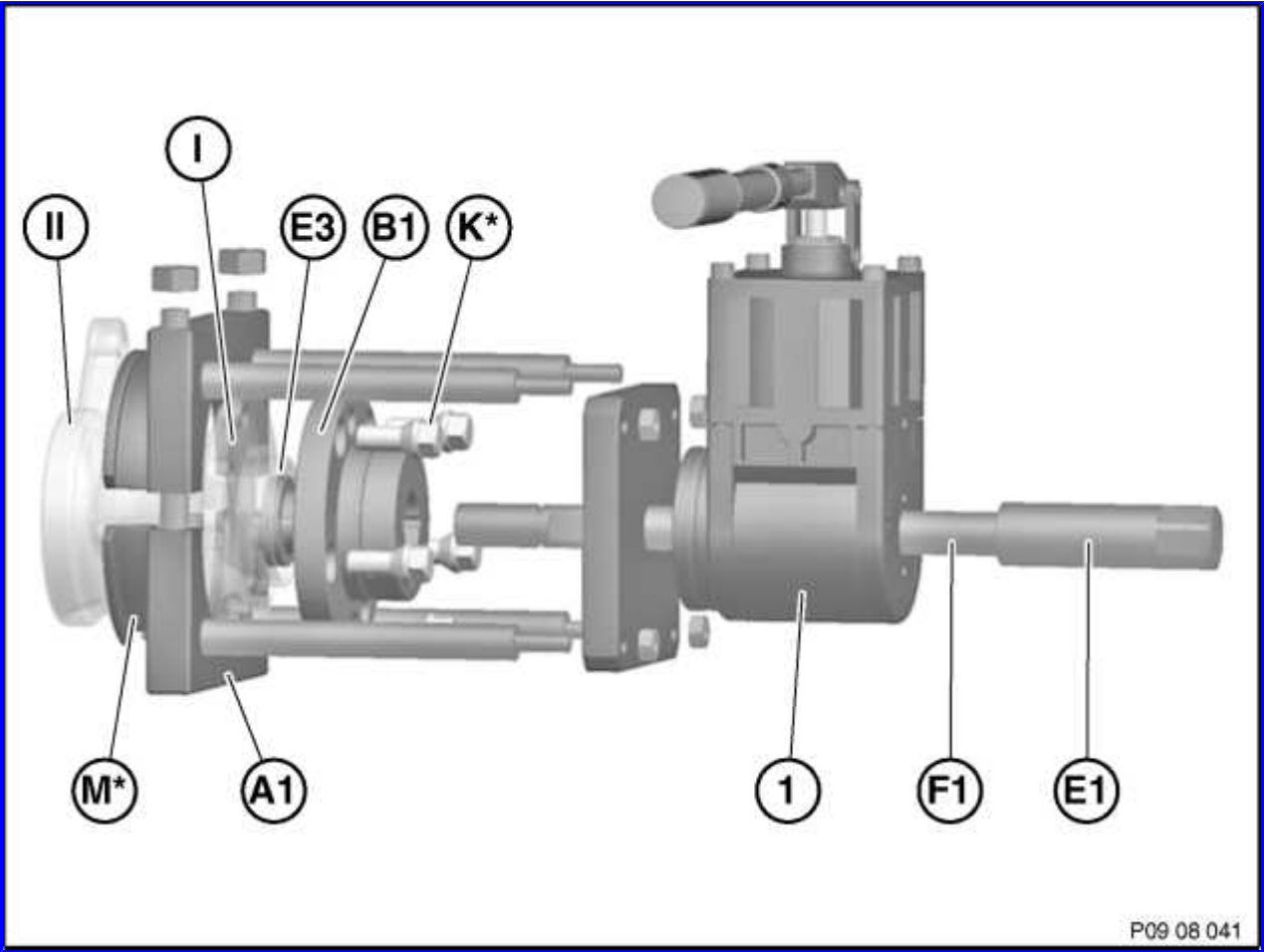
Replace collar nut (1) by positive peening at flat areas of output shaft.



Use special tool, see BMW Workshop Catalogue.

- Hydraulic unit - 81 64 2 155 744
- Adapter kit 1 - 81 64 2 155 745
- Adapter kit 2 - 81 64 2 155 746
- Adapter - 81 64 2 318 661

The following work steps describe the removal of the drive flange:



The following tools are required to pull out the drive flange hub from the wheel bearing; see graphic for arrangement:

Vehicle components:

I	Drive flange hub
II	Wheel carrier

Required components for all models and types:

E3	Washer
B1	Adapter
E1	Holding sleeveM24
F1	Spindle M24 / M20 (length 425 mm)
1	Hydraulic unit
A1	Device

*** Components specific to model and type:**

Note:

Two variants of the wheel carrier are installed.

M5	Adapter diameter 90 mm
K1	Screws M12 x 1.5
or	
M3	Adapter Ø 102 mm
K1	Screws M12 x 1.5

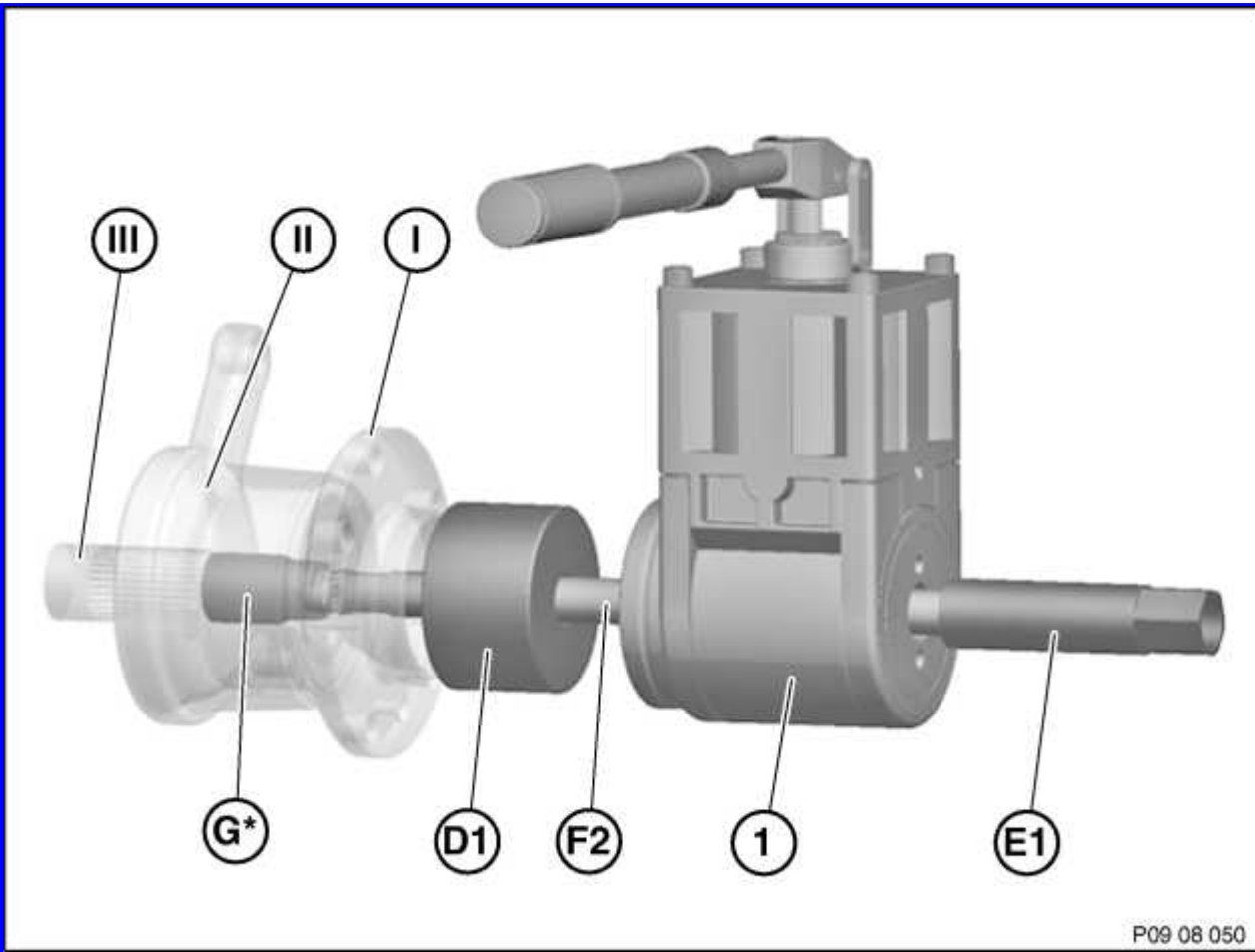


Important!

The wheel bearing is destroyed when the drive flange is removed and cannot be reused!

Replace [wheel bearing](#).

The following work steps pulling in the drive flange:



The following tools are required to insert the drive flange hub; see graphic for arrangement:

Vehicle components:

I	Drive flange hub
II	Wheel carrier
III	Output shaft

Required components for all models and types:

1	Hydraulic unit
E1	Holding sleeveM24
D1	Washer
F2	Spindle M24 / M20 (length 335 mm)

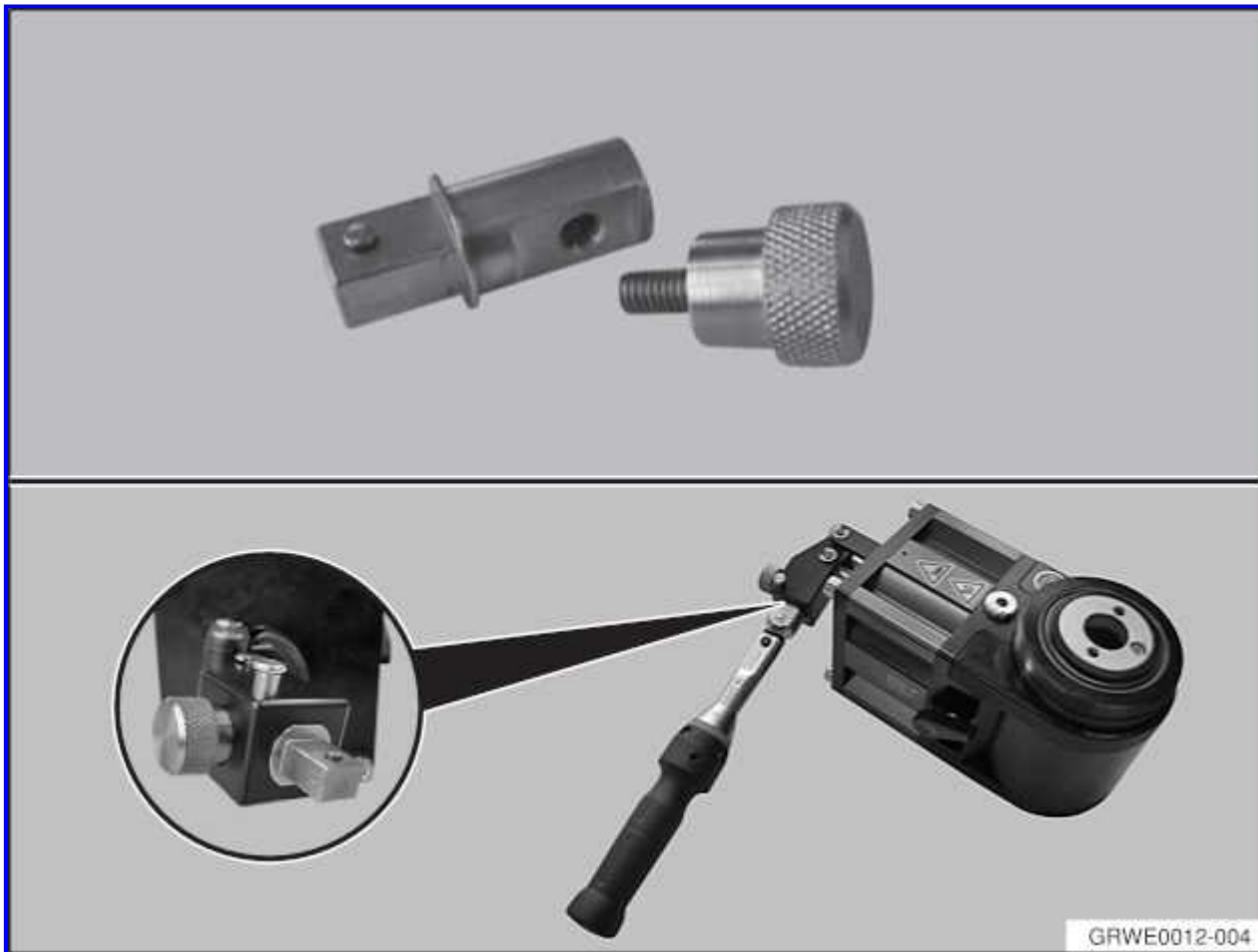
*** Components specific to model and type (thread diameter, output shaft):**

G2	Adapter M24 x 1.5 to M20
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Installation note:

Oil drive flange lightly and attach to gearing of output shaft.

The output shaft and drive flange may be inserted in the same procedure.



Important! Risk of damage!

Due to the technical requirements, the special tool used, sleeve G,* is relatively thin-walled.

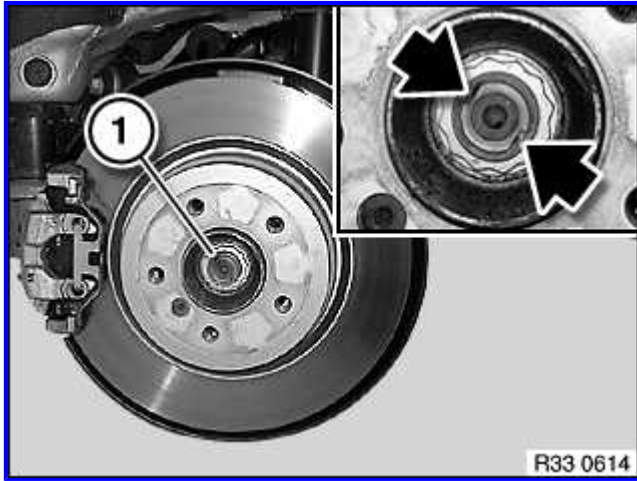
To ensure that the load limit of the tensioning sleeve is not exceeded when drawing in the output shaft, it is **essential** to use adapter 81 64 2 318 661 in combination with a torque wrench.

Fit adapter with torque wrench to hydraulic unit (see graphic).

Set torque wrench to 20 Nm.

Draw in output shaft with hydraulic tool until the torque wrench is activated.

Tighten collar nut (1), activate parking brake for this purpose.



Tightening torque [33 41 1AZ](#).

Installation note:

No oil permitted on thread of shaft journal or collar nut.

Replace collar nut (1) by positive peening at flat areas of output shaft.



After installation:

- Adjust [parking brake](#).