

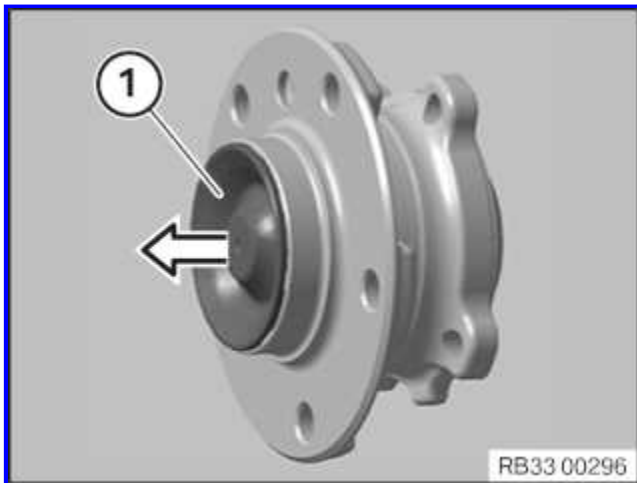
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**Pressing output shaft out of drive flange
and drawing in**

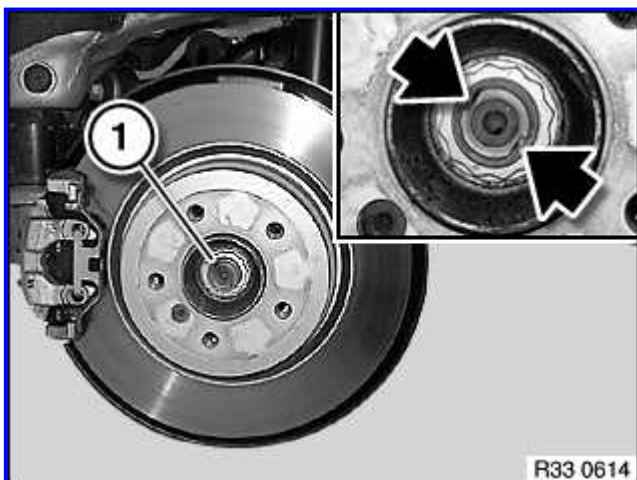


Necessary preliminary tasks:

- Remove [rear axle final drive](#).



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.

Unfasten collar nut (1).

Use **special tool**, see BMW Workshop Catalogue.

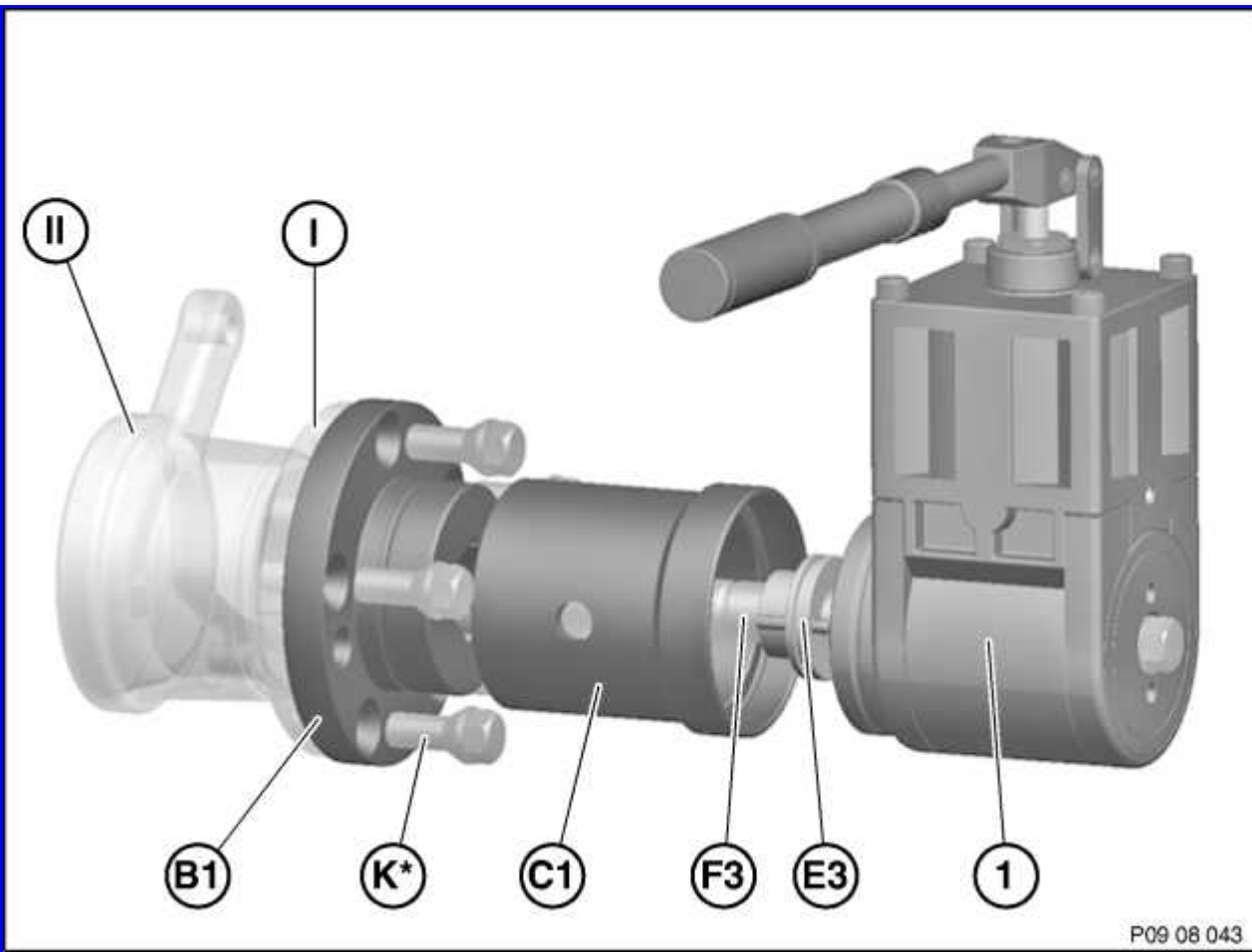


- Adapter kit 1 - 81 64 2 155 745
- Adapter kit 2 - 81 64 2 155 746
- Adapter - 81 64 2 318 661



- Secure output shaft against falling out.

The following work steps describe pressing out the output shaft:



The following tools are required to press out the output shaft from the drive flange, see graphic for arrangement:

Vehicle components:

I	Drive flange hub
II	Wheel carrier

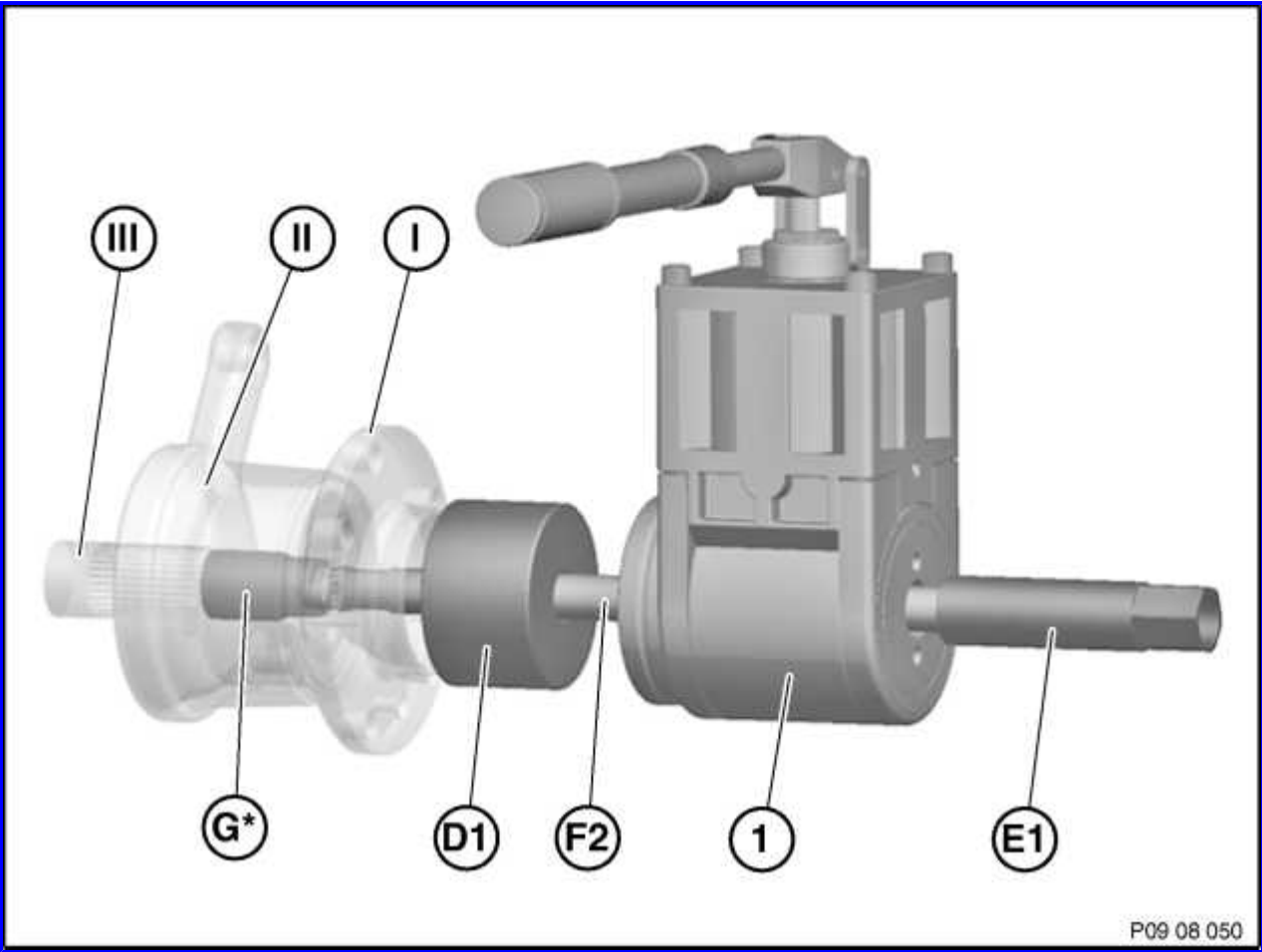
Required components for all models and types:

1	Hydraulic unit
E3	Washer M24
F3	Spindle M24 (length 270 mm)
C1	Holding sleeve
B1	Adapter

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

K*	Wheel bolts
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The following work steps describe drawing in the output shaft:



The following tools are required to fit the output shaft in the drive flange, see graphic for arrangement:

Vehicle components:

I	Drive flange hub
II	Wheel carrier
III	Output shaft

Required components for all models and types:

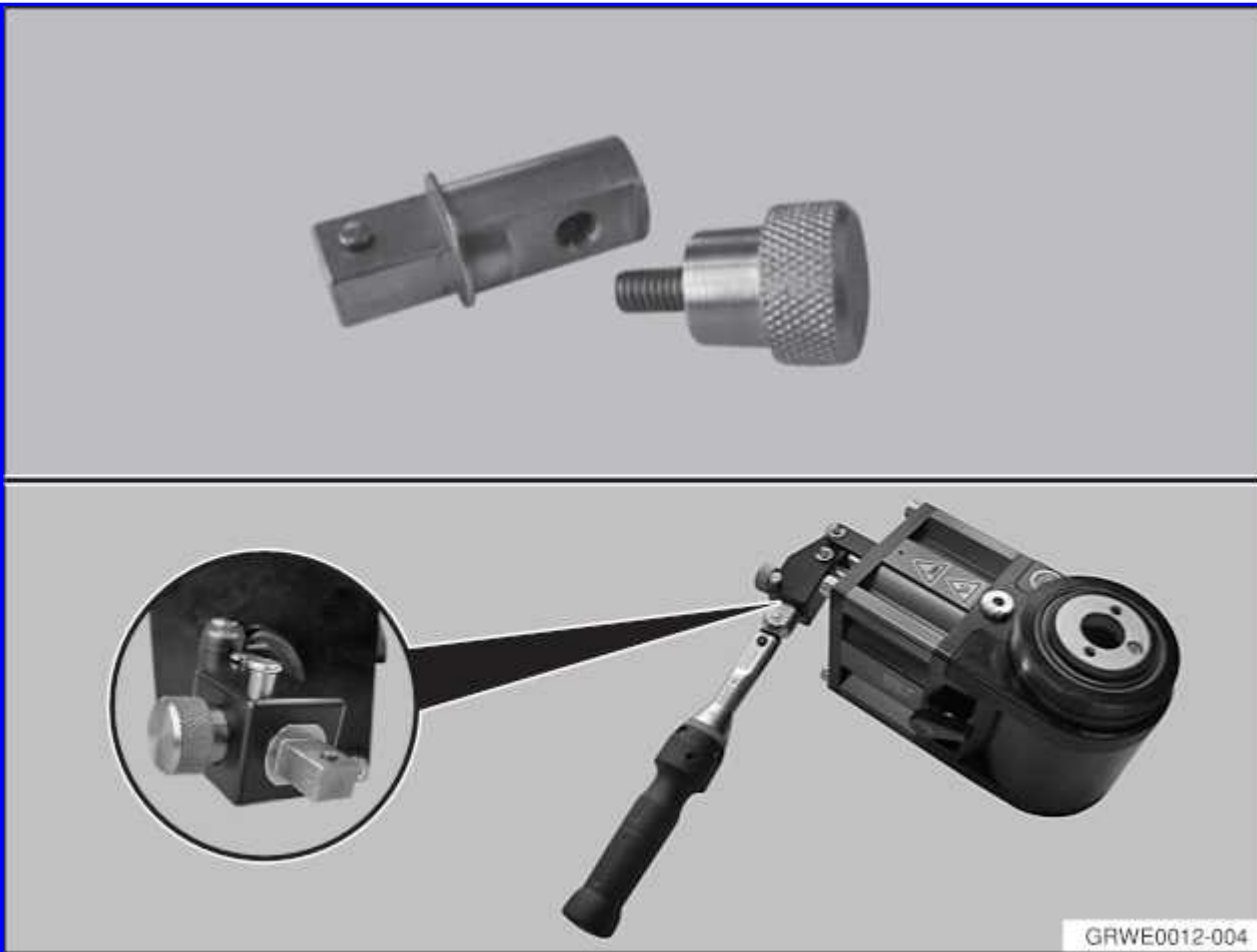
1	Hydraulic unit
E1	Holding sleeveM24
D1	Washer
F2	Spindle M24 / M20 (length 335 mm)

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

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G2	Adapter M24 x 1.5 to M20
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Installation note:
Lightly oil gearing of the output shaft and insert in drive flange.



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](#).
Secure collar nut (1) by positive peening at flat areas of output shaft.

Installation note:
No oil permitted on thread of shaft journal or collar nut.
Renew collar nut (1).

