



AFTERMARKET

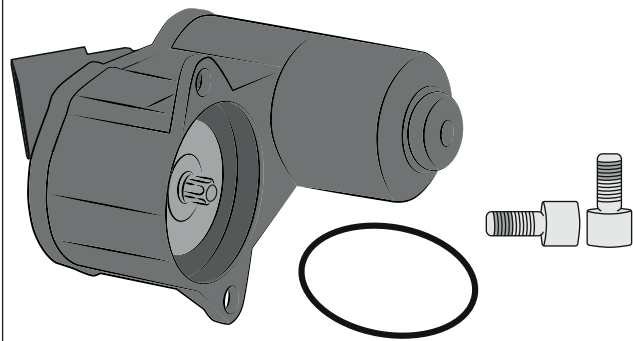
LEMFÖRDER



SACHS

TRW

WABCO



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ASSEMBLY INSTRUCTIONS

The illustrations provided are typical and for guidance only.

SAFETY INSTRUCTIONS AND INSTALLATION NOTES



CAUTION!

Before replacing an TRW product, please carefully read through the safety instructions and installation notes. This document is only used for overview purposes. **The installation and/or operating instructions of the vehicle manufacturer and the warning notices and safety instructions contained therein must be observed!** All work must be performed by a trained professional.

TRW assumes no liability for damage caused by improper assembly. In all work, TRW recommends to wear the corresponding personal protective equipment. The workflow described here may vary depending on the vehicle type. The figures in these instructions only serve to better understand and do not show the vehicle-specific components.

DIAGNOSIS



For proper repair, maintenance and diagnosis on the electric parking brake, an electronic diagnostic unit must be available that can be connected to the vehicle via the on-board diagnostics (OBD).

REMOVAL

1. Switch off the ignition. Lift vehicle, secure and disassemble wheel if necessary.
2. Open the locking mechanism of the plug with a suitable tool and pull the plug off the actuator.
Note: Some EPB systems use actuators with integrated cable. In this case, the plug connection must be disconnected from the wiring harness of the vehicle. This is usually located in the relevant wheel box.
3. Loosen and remove the mounting screws of the actuator and possibly existing cable brackets.
4. Remove actuator from brake caliper in direction of arrow.
5. Remove sealing ring.

INSTALLATION

6. Check seat of sealing ring on housing and clean thoroughly. The contact surfaces of the actuator on the housing must be free from scratches and must also be cleaned thoroughly.
Caution: The ingress of dirt and moisture into the actuator or brake caliper can lead to the failure of the EPB system!
7. Take actuator repair kit out of the packaging and check contents for completeness. Included are:
 - Actuator
 - Seal
 - Mounting screws
8. Lightly coat seat of sealing ring and sealing ring with grease or assembly liquid.
Note: Only EPDM-compatible greases or assembly fluids as well as the greases or assembly fluids explicitly recommended and released by the vehicle manufacturer may be used for repair purposes!
Mount sealing ring to brake caliper.
9. Fit new actuator and place flush on brake caliper. If necessary, rotate the actuator to engage the gearing between the actuator and the brake.
Caution: The actuator must not be pulled to the brake caliper using the screws!
Note: Always pay attention to the correct seat of the sealing ring during assembly!
Rotate the actuator so that the screw hole and thread are in the same position in the brake caliper.
10. Fit both actuator mounting screws.
Note: Only use the screws supplied in the set!
Caution: Fit screws with hand and turn some turns in. If the thread gets damaged, the complete brake caliper must be replaced!
Tighten mounting screws to the torque specified by the vehicle manufacturer.
11. Attach plug to actuator and ensure that connector locking is engaged.

FINAL WORK

- If necessary, reassemble wheel.

Depending on the vehicle model, the following steps may be necessary:

- Activate/deactivate EPB maintenance mode
- Read out and delete error memory
- Calibrate the system.

For the exact procedure, the measures specified by the vehicle manufacturer must be observed!

- Check complete brake system for correct function and perform test drive.

