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Fitting instructions for electric steering racks



Replacing an electric steering rack can be a complex repair. Ensure that you have a suitable diagnostic device available.

Our parts may only be installed by professionals.

Connect the diagnostic device to the vehicle and check for any error codes. Save or write down the error codes. If possible, copy the configuration of the old steering rack and, by extension, the vehicle. The procedure for this depends on the type of diagnostic device and the make and model of the vehicle. Make sure that the cause of the breakdown does not stem from the cabling or fuses before replacing the steering rack. **Check the condition of the battery and the correct functioning of the alternator.** Voltage drops can lead to a malfunctioning steering rack and even total failure. Clear the error codes and disconnect the battery.

1. Removal:

Observe the general requirements for tidiness and cleanliness in the workshop.

1. Lock the steering wheel in the centre position and detach the steering column from the steering rack. Check whether the universal joint of the steering column is still in good condition.
2. Disconnect the plugs from the steering rack.
3. Remove the steering rack.
4. **Compare the old and new part before starting the installation. Make sure that the parts match each other completely. If there is any uncertainty, please contact our helpdesk. Place the new steering rack in the centre position using the old steering rack as a reference.**

Do not return the old part until the repair has been completed! This will allow you, if necessary, to recover the software from the dismantled part.

2. Installation:

1. Install the steering rack in accordance with the manufacturer's instructions. Pay attention to the torque of all the bolts!
2. Fit new tie rod ends.
3. Attach the steering column to the steering rack. Use a new bolt (and nut, if applicable) and tighten according to the manufacturer's standards.
4. Connect the plugs to the steering rack and reconnect the battery.
5. Check the wheel alignment and correct if necessary. After alignment, make sure the boots are not twisted and check that the boot clamps are sufficiently tight.
6. Clear the remaining error codes after setting the necessary basic adaptations. In the case of more complex vehicles, additional coding may be required. **Under no circumstances try to overwrite the software! Our helpdesk can assist you in calibrating the steering rack if you have any questions. The warranty will become void if we find that the software has been changed without our permission.**
7. Perform an extended test run and then check with the diagnostic device that no more error codes have been recorded.

3. Old unit returns:

The deposit will only be refunded if the identical part is returned in its original packaging. Every item must be returned to us in a complete and undamaged condition.

Credit notes will not be issued for items with the following defects:

1. External damage to the body.
2. Damaged mounting points and/or holes.
3. Damaged connectors.
4. Visibly damaged or oxidised components.
5. Incomplete/disassembled parts.
6. Damaged or missing tie rods for steering racks supplied with tie rods.
7. Blocked moving and/or rotating parts.

