



WARNING



Not following the instructions below may result in damage of the product supplied by us and refusal of the claim due to improper installation of the product.

BEFORE INSTALLATION REFER TO THE VEHICLE MANUFACTURER'S INSTRUCTIONS.

THE FOLLOWING MUST BE CHECKED:

- | | | |
|-----------------|---|--|
| <p>1</p> | <p>Compare the old and new steering racks for physical similarity, correct length, matching threads on inner tie rods and mounting threads, and proper pinion size, shape, and position.</p> | |
| <p>2</p> | <p>Always adhere to specific replacement instructions provided by the vehicle manufacturer when dealing with electronic steering racks.</p> | |
| <p>3</p> | <p>Prior to disassembly, clear any steering rack-related error codes if possible.</p> | |
| <p>4</p> | <p>To protect electronic subcomponents in the steering rack, disconnect both vehicle battery terminals.</p> | |
| <p>5</p> | <p>When removing the old unit, transfer protective covers on electric connectors, and if necessary, transfer or purchase new inner tie rods.</p> | |
| <p>6</p> | <p>After installing the new steering rack, it must be coded to the vehicle. In some cases, only the original diagnostics equipment from the vehicle manufacturer can perform this coding.</p> | |
| <p>7</p> | <p>After ensuring proper fitment and functionality, align the steering geometry according to the vehicle manufacturer's specifications.</p> | |



WARNING



Not following the instructions below may result in damage of the product supplied by us and refusal of the claim due to improper installation of the product.

Vehicle specific features	Channel
Warning lights indicator (Amber/Red)	2
Driver steering recommendations (DSR)	3
Park assist steering (PAS)	4
Torque steering compensation (TS)	5
Heading control assistant (HCA)	6
Hybrid (on/off)	7
Characteristics	8
Steering angle sensor	9

ACTIVATING THE STEERING RACK

Before starting the vehicle, use the manufacturer recommended diagnostics equipment (or equivalent), to perform these tasks:

- Configure and program the vehicle's characteristic curve.
- Set vehicle-specific features by referring to the table on the left.

STEERING CALIBRATION STEPS:

1. Switch on the ignition and start the engine. Ensure the steering angle sensor is activated.
2. Position the steering wheel to straight-ahead position.
3. Rotate the steering wheel $\pm 30^\circ$ away from the straight-ahead position.
4. Bring the steering wheel back to the straight-ahead position.
5. Set channel 60 adjustment as the initial configuration.
6. Turn the steering wheel left and right until the steering angle sensor confirms the calibration is finished.
The values will be saved when the engine is turned off.
7. The calibration process is now complete.

DURING THE TEST DRIVE, THE FOLLOWING SHOULD BE CHECKED:

- Warning lights (no warning lights should illuminate).
- Verify the return mechanism to ensure that the steering naturally centers itself during driving.
- Ensure there is no noticeable play in the steering.
- Check for excessive noise.
- Following the test drive, inspect the ECU for any stored fault codes.

ALIGNMENT

After finishing the installation and confirming proper operation, the steering geometry should be adjusted in accordance with the vehicle manufacturer's guidelines.



ATTENTION!

Before installation refer to the vehicle manufacturer's instructions

