

# Torque Sensors

The torque sensor is a component placed inside the electric steering module. Its function is to detect the force applied by the driver on the steering column and to transmit a signal to the steering module which will apply the proper torque to the steering.

This type of sensor is also for other purposes in the vehicle.

- **SAFETY:** the torque sensor detects steering movements made by the driver in case of emergency and it can transmit them to the ABS or ESP control unit.
- **START & STOP** in certain applications: when a vehicle, equipped with start&stop system, stops at a traffic light and the wheels are straight, the engine can be turned off. If the wheels are not straight (for example, if you stop at a traffic light and the wheels are already turned) the sensor indicates that the steering is turned at the moment and the start&stop system is not allowed to turn the engine off.

