

Component Procedures: Steering Angle Sensor

Table of Contents

1. Parts and Labor (itype_189)
2. Steering Wheel Angle Sensor Centering (Article 10578)
3. Steering Angle Sensor Replacement (Article 13493)

Component Procedures: Steering Angle Sensor

Parts and Labor (itype_189)

Labor

Operation	Qualifier Path	Skill	Std Hrs	Wty Hrs
Remove & Replace	Steering Column > Position Sensor, R&R	B	0.8	0.6

Steering Wheel Angle Sensor Centering (Article 10578)

The steering angle sensor does not require a centering often. Centering of the steering angle sensor might be required after certain service procedures are performed. Some of these procedures are as follows:

- Wheel alignment
- Steering gear replacement
- Steering column replacement
- Steering angle sensor replacement
- Collision or other physical damage
- Electronic brake control module replacement

The steering angle sensor centering procedure can be completed with a scan tool using the following steps:

- Using the steering wheel , align the front wheels forward.
- Apply the parking brake, or set the transmission in the Park.
- Install the scan tool to the data link connector.
- Ignition ON, engine OFF
- Select Steering Wheel Angle Sensor Reset in the Steering Wheel Angle Sensor Module Configuration/Reset Functions list.
- Follow the scan tool directions to complete the reset procedure.
- Select Steering Wheel Angle Sensor Learn in the Steering Wheel Angle Sensor Module Configuration/Reset Functions list.
- Follow the scan tool directions to complete the learn procedure.
- Select Steering Wheel Angle Sensor Learn in the Electronic Brake Control Module Configuration/Reset Functions list.
- Follow the scan tool directions to complete the Learn procedure.
- Clear any DTCs that may be set.

Steering Angle Sensor Replacement (Article 13493)

Callout Component Name

Preliminary Procedure Steering Wheel Airbag Coil Replacement

Preliminary Procedure

Steering Wheel Airbag Coil Replacement

1 Steering Angle Sensor Procedure Press in the retaining tabs on the steering wheel airbag coil and remove the steering angle sensor. Center the steering angle sensor. Steering Wheel Angle Sensor Centering Procedure

- Press in the retaining tabs on the steering wheel airbag coil and remove the steering angle sensor.
- Center the steering angle sensor. Steering Wheel Angle Sensor Centering