

Technical Service Bulletin (TSB)
Steering Wheel Not Centered

REFERENCE:	TSB: 19-006-25 GROUP: 19 - Steering	Date:	August 22, 2025	REVISION:	—
VEHICLES AFFECTED:	2024 (KM) Jeep Wagoneer S This bulletin applies to vehicles built on or after June 02, 2023 (MDH 0602XX) and on or before January 27, 2025 (MDH 0127XX) equipped with 400V G2500 FR/RR Elec Drive Motors (Sales Code ELD).			MARKET APPLICABILITY: ☒ NA☐ MEA ☐ SA☐ IAP ☐ EE☐ CH NOTE: This bulletin applies to the North America market.	
CUSTOMER SYMPTOM:	Customers must experience a Malfunction Indicator Lamp (MIL) illumination and the vehicle must exhibit/set the following Diagnostic Trouble Code (DTC): - C0051-00 - Steering Wheel Position Sensor. Customers may also comment on the following: - The steering wheel is off center.				
CAUSE:	Improper steering angle calibration performed				

REPAIR SUMMARY:

This bulletin involves checking if the steering wheel is centered and possibly performing two wiTECH routines.

CLAIMS DATA:

Labor Operation No:	Labor Description	Skill Category	Labor Time
18-19-56-AL	Perform wiTECH Routines for Centerline Steering Calibration (0 - Introduction)	19 - Steering	0.3 Hrs.
Failure Code	ZZ	Service Action	

DIAGNOSIS:

Using a Scan Tool (wiTECH) with the appropriate Diagnostic Procedures available in DealerCONNECT/Service Library, verify all related systems are functioning as designed. If DTCs or symptom conditions, other than the ones listed above are present, record the issues on the repair order and repair as necessary before proceeding further with this bulletin.

If the customer describes any of the symptoms listed above in the customer symptom section, perform the Repair Procedure.

SPECIAL TOOLS/EQUIPMENT:

Description	Ref. No.	Notes
wiTECH or Equivalent	—	—

REPAIR PROCEDURE:

NOTE: If required, move the vehicle a few feet forward to verify the steering wheel is off center.

1. Verify the steering wheel is centered. Position the front wheels facing straight forward and ensure the vehicle is on a level surface. Using wiTECH, navigate to the Electric Power Steering (EPS) module data tab and read the steering angle sensor value. Verify the steering angle reading is $0^{\circ} \pm 0.5^{\circ}$.
2. Was the steering angle value within specification?
 - YES >>> This bulletin does not apply. Further diagnosis is needed.
 - NO >>> Proceed to [Step 3](#).
3. Under the Misc Functions tab of the EPS module, perform the Steering Angle Calibration routine.
4. Perform an ignition cycle.
5. Under the Misc Functions tab of the BSCM, perform the ABS Initialization routine.
6. Perform a test drive to verify the steering wheel is centered.
7. Clear all DTCs that may have been set.

POLICY:

Reimbursable within the provisions of the warranty.

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