



Troubleshooting intermittent Steering Assistance with Electric Power Steering (EPS)

MODEL

F01 (7 Series Sedan)	F02 (7 Series Sedan LWB)	F04 (7 Series Hybrid)	F06 (6 Series Gran Coupe)
F07 (5 Series Gran Turismo)	F10 (5 Series Sedan)	F12 (6 Series Convertible)	F13 (6 Series Coupe)

SITUATION

Intermittent steering assistance failure

CAUSE

The power supply of the EPS control unit.

PROCEDURE

1. Perform a vehicle test with ISTA

Were any of the following fault memory entries found in the ICM - Integrated Chassis Management:

- 0xD019BF - message fault (actual steering torque, driver, actuator, ID: AVL_STMOM_DV_ACT) – Timeout
- 0xD015C4 - message fault (front axle electrical steering status, ID: ST_EST) - Timeout
- 0xD016A5 - message fault (driving dynamics 02 check control display, ID: DISP_CC_DRDY_02) – Timeout

YES- Go to Step 2.

NO – continue diagnosis by performing the associated test plan in ISTA/D.

Note: No fault memory entries are entered in the EPS control unit with this fault pattern!

2. Work through the appropriate test module (ABL_DIT_AT3244_EPS_NOCOM_2) for the fault memory entries.
3. Before completing the repair, check the following connection/wiring issues and repair as necessary:
 - EPS plug connections for correct latching.

- Release EPS plug connections, check for traces of water, dirt, corrosion, etc.
- Entire EPS wiring harness, both the signal and supply, for damage (e.g. chafing, rodent, etc.).
- Positive wire connection on the power distribution box and grounding cable on the body.

WARRANTY INFORMATION

Not applicable.

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