



SIB 32 01 25

2025-01-10

NOISES FROM ELECTRIC POWER STEERING (EPS) WHEN STEERING WHEEL IS AT END STOPS

☒	THIS REPAIR IS MOBILE FRIENDLY
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MODEL

E-Series	Model Description	Production Date
G45	X3 Sports Activity Vehicle	Start of Production to December 1, 2024
G60	5 Series Sedan	April 26, 2024 to July 17, 2024
G70	7 Series Sedan	April 26, 2024 to July 17, 2024
G90	M5 Sedan	April 26, 2024 to July 17, 2024
i20	iX Sports Activity Vehicle	April 26, 2024 to July 17, 2024

SITUATION

Rumbling, groaning type noises from the EPS when the steering wheel is at the end stops.
See attached video, V32 01 25 EPS Noise

CAUSE

Software bug in the EPS.

CORRECTION

G45 vehicles: Program the vehicle to I-level 24-11-525 or a more recent version.
I level 24-11-525 has been available with ISTA 4.50.1 from October 24, 2024.

G60, G70, G90, I20: Program the vehicles with I-level 24-07-550 or a more recent version.
I level 24-07-550 has been available with ISTA 4.49.3 from August 18, 2024.

PROCEDURE

Determine the vehicle's current I-level by either using AIR, or AWP (Aftersales Workplace) applications.

If the I-Level is currently at...24-07-550 (**G60, G70, G90, I20**) or 24-11-525 (**G45**) or a more recent version:

- Do not program the vehicle.
- Continue with standard diagnosis.

If the I-level is lower than ...24-07-550 (**G60, G70, G90, I20**) or 24-11-525 (**G45**):

Program the vehicle to I-level ...24-07-550(**G60, G70, G90, I20**) or 24-11-525 (**G45**) or higher.

- Connect the battery charger to the vehicle.
- Connect the programming system to the vehicle (ISTA 4)
- Determine measures plan.
- Accept and fully work through the measures plan with the control units to be programmed/encoded and enabled.
- Follow the rework list.
- **Depending on the rework list, carry out a vehicle test and delete the fault memory if needed.**

After the programming has been fully completed, check functionality of the system.

Note: ISTA will automatically reprogram and code all programmable control modules that do not have the latest software.

Always connect a BMW-approved battery charger/power supply (SI B04 23 10).

For information on programming and coding with ISTA, refer to Dealer Universal Portal / TIS / Technical Documentation / Diagnostics and Programming / Programming Documentation.

PARTS INFORMATION

A parts replacement does not provide a remedy and is therefore unnecessary.

CLAIM INFORMATION

Vehicle Programming and Encoding

During this workshop visit, the affected vehicle may also show one or more programming and encoding Technical Campaign repairs open, the programming and encoding procedure may only be invoiced one time.

Select one of these open Technical Campaigns instead to perform and submit for updating the vehicle to the required I-level, or higher when applicable (Includes labor operation codes 00 00 006/556, 61 21 528 and 61 00 730).

Please be sure to also perform any additional before and/or after work (including attaching labels) as required by the open campaigns on the vehicle. Close any other open programming and encoding Campaign repairs as outlined in the corresponding Service Information Bulletin.

Only when the above does not apply, the BMW software solution is then covered under the terms of the BMW New Vehicle Limited Warranty for Passenger Cars and Light Trucks, or the BMW Certified Pre-Owned Program as described below.

Repair Code:	3213023900	Steering gear Unpleasant noises
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Obtain the flat rate unit (FRU) allowances for the following that applies.

Labor Operation	Description	Labor Allowance
00 00 006	Carrying out vehicle test (Main work)	As applicable
Or:		
00 00 556	Carrying out vehicle test (Plusposition)	As applicable
And:		
61 21 528	Supporting voltage of the vehicle electrical system / recharging vehicle battery	As applicable
And, as needed:		
61 00 006*	Carrying out vehicle diagnosis, ABL (Work time)	WT FRU
Or:		
00 58 500*	Diagnosis Worktime Flat Rate	2 FRU
And:		
61 00 730	Program/encode control unit(s), includes deleting the fault memory	As applicable

If you are using a Main labor code for another repair, use the Plus code labor operation 00 00 556 instead of 00 00 006, or exclude them (including 61 21 528) when the Vehicle Test is included in another repair.

Work time labor operation codes 61 00 006 and 00 58 500 are not considered Main labor operations.

Vehicle Programming and Encoding – Additional Work (RO and Claim Comments Required)

This procedure automatically reprograms and encodes any vehicle control modules that do not have the latest software I-
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If one or more control modules fail during the reprogramming procedure, claim the required consequential repair work procedures to address this issue (including performing the IRAP Control Unit Recovery first as required, refer to the SIB in AIR) under the Repair Code in this bulletin together with the corresponding labor operation codes and their flat rate unit (FRU) allowance(s), including the diagnosis* that applies.

Please explain the additional work procedures that were performed (The why and the what) on the repair order and in the claim comments.

For covered repairs that address control module failures that occurred prior to performing this reprogramming procedure, claim this work with the applicable Repair Code listed in AIR together with the corresponding labor operation codes and their flat rate unit (FRU) allowance(s), including the diagnosis* that applies.

(*) Based on which one applies to your center, please refer to **SI B01 01 20** or **B01 07 20** for the applicable procedure for documenting, claiming, and explaining, on the RO and in the claim comments, your diagnosis work time (WT), job/repair work time (WT), and the vehicle repairs your center performed, unless otherwise required by State law.

Other Repairs

If other eligible and covered work is performed because of performing the ISTA diagnostics, related test plans, and/or other approved diagnosis procedures, claim this work with the applicable Repair Code listed in AIR together with the corresponding labor operation codes and their flat rate unit (FRU) allowance(s), including the diagnosis* that applies.

BMW Group's AIR Application Resource for Flat Rate Labor Operation Codes

To obtain the corresponding flat rate unit (FRU) allowance information from the BMW Group AIR application resource, start by entering the the Chassis Number (last seven (7) characters of the VIN), and click on the "Search" icon. If the "Vehicle Selection" window displays two or more model possible vehicle choices, select the applicable Model, or enter the full VIN (17 characters) instead to proceed. Click on the "Flat Rate Units" button and enter a flat rate labor operation code number "without spaces" in the field to the right, click on the "Search" icon to display the corresponding listing of "Flat rate unit group details" that are available and their corresponding FRU allowances.

FEEDBACK REGARDING THIS BULLETIN

Technical Feedback	To submit feedback for the technical topic of this bulletin: Submit your feedback in the rating box at the top of this bulletin
Warranty Feedback	To submit feedback for the CLAIMS section of this bulletin: Submit an IDS ticket to the Warranty Department, or use the chat available in the Warranty Documentation Portal
Parts Feedback	To submit feedback for the PARTS section of this bulletin: Submit an IDS ticket to the Parts Department

Supporting Materials

Videos

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