

## Technical Journal

TITLE:

**Rumbling Noise From ERAD / TVDC**

<b>REF NO:</b> TJ 37141.5.0	<b>ISSUING DEPARTMENT:</b> Technical Service	<b>CAR MARKET:</b> United States and Canada	
<b>PARTNER:</b> 3 US 7515 Polestar		<b>ISSUE DATE:</b> 2025-10-17	<b>STATUS DATE:</b> 2025-10-22
<b>FUNC GROUP:</b> 4601	<b>FUNC DESC:</b> Rear axle, complete	<b>Page 1 of 3</b>	

### Attachment

File Name	File Size
<a href="#">TJ-37141_1.mp3</a>	0.8486 MB

Rows beginning with \* are modified

Note! If using a printed copy of this Technical Journal, first check for the latest online version.

### DESCRIPTION:

\* VST Operation Numbers added and Service updates.

A customer may experience a rumbling noise from the rear of the vehicle when driving. This noise may be most noticeable at full steering angle and low speeds.

Listen to the attached sound file, TJ-37141\_1.mp, as an example of this noise. (The noise is heard at 5 and 26 seconds in the recording)

Please follow the advice under "Service".

ERAD - Electrical Rear Axle Drive

TVDC - Torque Vectoring by Dual Clutch

### CSC Customer Symptom Codes

Code	Description
8N	Driving/Unusual noise/Unsure when/at all times
D2	Front/rear axle/Unusual noise

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## DTC Diagnostic Trouble Codes

### Vehicle Type

Type	Eng	Eng Desc	Sales	Body	Gear	Steer	Model Year	Plant	Chassis range	Struc Week Range
359	EA	E400V30					2025-2026		-	202402-202546
359	EE	E400V7					2025-2026		-	202402-202546

### SERVICE:

Note: Follow this journal and the steps below before replacing any parts.

1. Perform a TVDC oil change according to VIDA instructions. (VST Operation No 46564-2 and 36050-2).
2. Perform the script "Reconditioning of the Torque Vectoring Friction Plates" and test drive according to VIDA instructions.

Path to script: Planning and Diagnostics / Components / ECUs / Torque Vectoring Rear Left (TVRL) / Diagnostic Sequences / Reconditioning of the torque vectoring friction plates. (VST Operation No 36060-3)

If the rumbling noise still occurs after completing the script (VST Op No 36100-3), continue to step 3.

3. Replace the TVDC according to VIDA. (VST Operation No 31130-2, 26151-3, 46562-2, 36060-3, and 36060-3).

### \*Warranty claim info:

To get a warranty claim accepted for a job described in this TJ, use the corresponding VST OP number stated in this TJ.

Please note that fault tracing is not eligible for separate reimbursement under this TJ. Any fault tracing VST operation numbers will be rejected.

Note that the TJ number must be stated in the repair order text.

### VST Operation Number

VST Operation Number	Description
26151-3	Cooling system electric powertrain, fill and bleed
46562-2	TVDC, replacement
36100-2	Test drive acc. to Technical Journal
31130-2	High voltage battery disconnection and connection
36060-3	Calibration with VIDA
46564-2	Oil change TVDC
36002-3	Software control module downloading
36050-2	Calibrating/Identifying with VIDA

### LABOR TIME:

Labor time subject to change without notice.

**VEHICLE REPORT:**

Yes, please submit a Vehicle Report per TJ 37196.

If the service solution described in this TJ **has no effect** use the sub-concern area “**Support Needed**”, and use function group 4601.

If the service solution described in this TJ **is effective** use the sub-concern area “**Support Not Needed**”, and use function group 4601.

**This TJ has one sound file.**