

Technical Journal

TITLE:

Rumbling Noise From ERAD / TVDC

REF NO: TJ 37141.3.0	ISSUING DEPARTMENT: Technical Service	CAR MARKET: United States and Canada	
PARTNER: 3 US 7515 Polestar		ISSUE DATE: 2025-04-04	STATUS DATE: 2025-04-07
FUNC GROUP: 4601	FUNC DESC: Rear axle, complete	Page 1 of 4	

Rows beginning with * are modified

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

Attachment

File Name	File Size
TJ-37141_1.mp3	0.8486 MB
TJ_37141_1.pdf	0.1375 MB

DESCRIPTION:

*Adding VST operation number.

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					2025-9999		-	202402-999952
359	EE	E400V7					2025-9999		-	202402-999952

SERVICE:

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

1. Perform an oil change of the TVDC according to VIDA instructions. If the noise is gone afterward, release the vehicle to the customer. If the noise remains, continue to step 2.
- *2. Test drive according to the illustration in attachment TJ_37140_1.pdf and then follow steps a-e in the text below:
 - a. 1 minute 15-30 km/h (10-20 mph)
 - b. 1 minute 15 km/h (10 mph)
 - c. 1 minute 15 km/h (10 mph)
 - d. 1-time light acceleration 0-80 km/h (0-50 mph)
 - e. 1-time light acceleration 0-80 km/h (0-50 mph)

If the noise is gone afterward, release the vehicle to the customer. If the noise remains, continue to step 3.

3. Submit a Vehicle Report with the sub-concern area "Support Needed" for further assistance.

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.

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
98588-2	Oil change TVDC acc. to TJ
36100-2	Test drive acc. to Technical Journal
31130-2	High voltage battery disconnection and connection
36060-3	Calibration 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.

To view attachment continue to next page. This TJ has one attachment and one sound file.

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