

**Volvo Car USA LLC**
**Technical Journal**

Technical Journal Title <b>Rumbling Noise From ERAD / TVDC</b>		Ref. No. <b>TJ 37140.4.0</b>	
Issuer (Dept.) <b>Technical Service</b>		Issue Date <b>4/4/25</b>	Status Date <b>4/17/25</b>
Car Market <b>United States and Canada</b>	Partner <b>3 US 7510 Volvo Car USA</b>	Function Group <b>4601</b>	
Function Description <b>Rear axle, complete</b>		Page <b>Page 1 of 3</b>	

**Attachment**

File Name	File Size
<a href="#">TJ-37140_1.mp3</a>	0.8486 MB
TJ_37140_1.pdf	0.1380 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 number added.

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-37140\\_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

**DTC** Diagnostic Trouble Codes

**Vehicle Type**

Type	Eng	Eng Desc	Sales	Body	Gear	Steer	Model Year	Plant	Chassis range	Struc Week Range
356	E2	E400V13					2025-9999		-	202417-999952
356	EV	E400V3					2025-9999		-	202417-999952

## Technical Journal 37140.4.0

---

### 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 TIE 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
31130-2	High voltage battery disconnect and connection
26151-3	Cooling system electric powertrain, fill and bleed
36060-3	Calibration with VIDA
36100-2	Test drive acc. to Technical Journal
46562-2	TVDC, replacement
98588-2	oil change TVDC acc. to TJ

### VEHICLE REPORT:

Yes, please submit a Vehicle Report per TJ 37195.

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 TJ attachments continue to next page. This TJ has one attachment and one sound file.**

TJ 37140

