

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

Technical Journal Title		Ref. No.	
ERAD (Electric Rear Axle Drive) Bearing Noise		TJ 36665.3.0	
Issuer (Dept.)		Issue Date	Status Date
Technical Service		9/8/23	9/14/23
Car Market	Partner	Function Group	
United States and Canada	3 US 7510 Volvo Car USA	4601	
Function Description		Page	
Rear axle, complete		Page 1 of 2	

**Attachment**

File Name	File Size
<a href="#">TJ 36665-1.mp4</a>	0.7789 MB
<a href="#">TJ 36665-2.mp4</a>	0.7451 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 OP number added.

If a customer is driving in electric mode and experiences noise from the rear of the vehicle that increases with vehicle speed, please follow the instructions under "Service."

**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
238	BC	B1BPHEV					2018-2018	35	-	201718-201744
246	BR	B1FPHEV					2018-2018	21	-	201717-201742
256	BC	B1BPHEV					2016-2017	21	-	201508-201716
256	BR	B1FPHEV					2018-2018	21	-	201717-201742

**SERVICE:****Baseline:**

First please watch the baseline video (TJ 36665 Normal Sound.mp4) for an example of a **normal** ERAD sound. Use a headset or earphones to hear the sound clearly.

If a customer is driving in electric mode and experiences abnormal noise from the rear of the vehicle that increases with vehicle speed (see example video TJ 36665 Faulty Motor Bearing Noise.mp4) it is most likely an electrical motor bearing issue. No DTCs (Diagnostic Trouble Codes) will be stored and no messages will appear in the DIM (Driver Information Module).

In these cases, the **Bearing Kit**, function group 4601, should be replaced. It is not necessary to replace the complete ERAD motor.

**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
46533-2	Electric Rear Axel Drive (ERAD) remove-install / replace
46561-2	ERAD bearing, replace

**VEHICLE REPORT:**

Yes, please submit a Vehicle Report if the service solution described in this TJ has no effect. Use the concern area “Vehicle Report” and sub-concern area “Support Needed,” use function group 4601.

**This TJ has 2 sound files.**