



# Technical Journal

TITLE:

**IEM P286D00 ERAD Clutch Engagement Too Slow**

<b>REF NO:</b> TJ 35966.1.1	<b>ISSUING DEPARTMENT:</b> Technical Service	<b>CAR MARKET:</b> United States and Canada	
<b>PARTNER:</b> 3 US 7510 Volvo Car USA		<b>ISSUE DATE:</b> 2021-07-14	<b>STATUS DATE:</b> 2021-07-23
<b>FUNC GROUP:</b> 4632	<b>FUNC DESC:</b> Electrical rear axis drive	Page 1 of 2	

## “Right first time in Time”

Rows beginning with \* are modified

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

### DESCRIPTION:

In cases where IEM DTC P286D00 is set individually or in combination with others and is confirmed to be causing a check engine light or other customer facing symptom related to the function of the ERAD, please follow the advice under “Service”.

### CSC Customer Symptom Codes

Code	Description
53	Driving, Twin Engine/Propulsion using electric motor not possible
DL	Warning lights and chimes/Malfunction Indicator Light ("Check engine" light) indication/no indication
MU	4-wheel/all wheel drive/Does not work

### DTC Diagnostic Trouble Codes

Control Module	Code	Fault Type
IEM	P286D00	Permanent



## Vehicle Type

Type	Eng	Eng Desc	Sales	Body	Gear	Steer	Model Year	Plant	Chassis range	Struc Week Range
224	BK	B1LPHEV					2020-9999		-	201920-209952
224	BR	B1FPHEV					2019-9999		-	201850-209952
225	BK	B1LPHEV					2020-9999		-	201920-209952
225	BR	B1FPHEV					2019-9999		-	201850-209952
234	BR	B1FPHEV					2018-9999		-	201717-209952
234	BR	B1FPHEV					2019-9999		-	201817-209952
235	BR	B1FPHEV					2019-9999		-	201817-209952
238	BK	B1LPHEV					2020-9999		-	201920-209952
238	BR	B1FPHEV					2019-9999		-	201817-209952
246	BK	B1LPHEV					2020-9999		-	201920-209952
246	BR	B1FPHEV					2018-9999		-	201717-209952
246	BR	B1FPHEV					2019-9999		-	201817-209952
246	BR	B1FPHEV					2019-9999		-	201817-209952
256	BK	B1LPHEV					2020-9999		-	201920-209952
256	BR	B1FPHEV					2018-9999		-	201717-209952
256	BR	B1FPHEV					2019-9999		-	201817-209952

### SERVICE:

Permanent Corrective Action (PCA):

- To address the symptom described above, a new IEM (Inverter Electrical rear axle drive Module) calibration software will be released during quarter 1 of 2022.

Intermediate Corrective Action (ICA):

- 1st ICA** = Customer's 1st time in for this complaint:
- Until the PCA is available, first ensure that the IEM SW is up-to-date, attempt to clear the DTC, perform a test drive, and then read DTCs again. If P286D00 is no longer present, release the car back to the customer. If still present, proceed to 2nd ICA below.
- 2nd ICA** = Customer's 2nd time in for this complaint:  
If P286D00 returns and is still setting the Malfunction Indicator Light after successful completion of 1st ICA, replace the ERAD transmission.

### Warranty claim info:

\*To get warranty claim accepted for a job described in this TJ, please use following data:

VST OP number 36004-2 Software control module downloading with VIDA according TJ 35966

### VST Operation Number

VST Operation Number	Description
36004-2	Software Control Module downloading

### VEHICLE REPORT:

Yes, please submit a Vehicle Report if the service solution described in this TJ has no effect. Use concern area "Vehicle Report" and sub concern area "Support needed", use function group 4632.