

Technical Journal Title Park Assistance System Enhanced Troubleshooting		Ref. No. TJ 37394.1.0	
Issuer (Dept.) PPASSAFA - Paige Passafaro		Issue Date 9/11/25	Status Date 9/19/25
Car Market United States and Canada	Partner 3 US 7510 Volvo Car USA	Function Group 3871	
Function Description Parking assistance		Page Page 1 of 4	

Attachment

File Name	File Size
TJ_37394_1.jpg	0.1279 MB

DESCRIPTION:

This journal is to be used as a complement to VIDA fault tracing and if the vehicle shows symptoms of a faulty PAS without specific part defects and one (or more) of the DTCs mentioned below is set, follow the advice under "Service."

CSC Customer Symptom Codes

Code	Description
KS	Front/rear park assist/Does not work

DTC Diagnostic Trouble Codes

Control Module	Code	Fault Type
PAS	B129C35	Intermittent
PAS	B129D35	Intermittent
PAS	B13F335	Intermittent
PAS	B13F435	Intermittent
PAS	B1B3635	Intermittent
PAS	B1B3835	Intermittent
PAS	B1B4035	Intermittent
PAS	B1B4235	Intermittent
PAS	B1B4435	Intermittent
PAS	B1B4635	Intermittent
PAS	B1B4835	Intermittent
PAS	B1B5035	Intermittent

Technical Journal 37394.1.0

Vehicle Type

Type	Eng	Eng Desc	Sales	Body	Gear	Steer	Model Year	Plant	Chassis range	Struc Week Range
416							2024-9999		-	202336-999952

SERVICE:

1. In case there are no DTCs, only false detection/warning:

- Water and/or dirt can be stuck between the sensor and the sensor holder.
Verify that the holder is clean and test that water can be easily drained away through the drain hole, then clean the sensor. For cleaning of sensors and holders, use Isopropanol.
- The sensor is not centered in the bumper hole, and therefore, its membrane is in contact with the bumper. If so, the conduction of sound can be transmitted to a nearby sensor. The reason for this misalignment can be that the sensor cable is pulling the sensor, so the sensor is tilted, or the holder is not properly centered over the bumper hole.
Verify that the sensor is centered in the middle of the bumper hole, that it is not tilted, and that the sensor does not press on either side, and that the cable is not taut.
- If the rubber ring around the sensor is folded, damaged, or overpainted, this can lead to a false warning.
Remedied by installing an unpainted rubber ring that unfolded around the sensor.
- A loose sensor or loose sensor holder can lead to a false warning, or a failure warning will be missing.
Remedied by mounting the loose detail properly according to Volvo's instructions.
- The sensor membrane can be damaged by stones/blasting, and corrosion can occur. This can cause an increased risk of false warnings or missing failure detection.
Remedied by painting or changing the sensor.
- Verify that no Volvo Cars Genuine Accessories and parts, or damaged outer parts of the car, can be in the ultrasound spreading region from the sensor.
- If none of the above worked, check and replace parking sensors one by one until the problem is solved.

2. If there is one or more confirmed DTCs from the PAS module related to parking sensors:

- Verify by switching the sensor position between the right and left side symmetrically and erase DTC. If the error code was moved to the new sensor position, replace the sensor. If the DTC is the same as the new sensor at the original position, control cabling to the sensor, and placement for the holder. Please follow the VIDA instructions before replacing that part.

Abbreviations:

ASDM = Active Safety Domain Master

PAS = Parking Assistance Sensor

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.

Note: Visible stone chip damage on the PAS-sensor is NOT accepted as warranty, check the attached photo as an example.

Note: If no Volvo Cars Genuine accessories or parts have been installed that reduce or limit the sensor's ultrasound coverage area, the warranty claim will not be accepted.

VST Operation Number

VST Operation Number	Description
98801-2	Reimbursement acc. to TJ

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 3871.

To view TJ attachments continue to next page. This TJ has one attachment.

