



Technical Journal

TITLE:

Park Assist System Service Required Message in DIM

REF NO: TJ 31558.8.0	ISSUING DEPARTMENT: Technical Service	CAR MARKET: United States and Canada	
PARTNER: 3 US 7510 Volvo Car USA		ISSUE DATE: 2019-04-24	STATUS DATE: 2019-05-03
FUNC GROUP: 3871	FUNC DESC: Parking assistance	Page 1 of 4	

“Right first time in Time”

Attachment

File Name	File Size
Label PAS harness.jpg	0.0960 MB

Vehicle Type

Type	Eng	Eng Desc	Sales	Body	Gear	Steer	Model Year	Plant	Chassis range	Struc Week Range
234							2017-2017		0000001-0999999	201617-201716
235							2017-2019		0000001-0999999	201624-201837
236							2017-2019		0000001-0999999	201646-201837
238							2018-2019		0000001-0999999	201646-201837
246							2018-2019		0000001-0999999	201717-201837
256							2016-2019		0000001-0999999	201505-201837

CSC Customer Symptom Codes

Code	Description
KS	Front/rear park assist/Does not work
7G	Text window and warning symbol/Yellow symbol and text message



VST Operation Number

VST Operation Number	Description
99400-2	Check of sensor
98631-2	Sensor harness replace acc. TJ 31558
86101-2	Cover bumper rear remove-install
36701-3	Rear parking assistance system sensor add replacement
36658-3	Front parking assistance system sensor add replacement
86103-2	Cover bumper front remove-install

DTC Diagnostic Trouble Codes

Control Module	Code	Fault Type
PAM	B1B4414	Permanent
PAM	B1B4496	Permanent
PAM	B1B4614	Permanent
PAM	B1B4696	Permanent
PAM	B1B4814	Permanent
PAM	B1B4896	Permanent
PAM	B1B5014	Permanent
PAM	B1B5096	Permanent
PAM	U2E0568	Permanent
PAM	B1B3612	Permanent
PAM	B1B3614	Permanent
PAM	B1B3696	Permanent
PAM	B1B3812	Permanent
PAM	B1B3814	Permanent
PAM	B1B3896	Permanent
PAM	B1B4012	Permanent
PAM	B1B4014	Permanent
PAM	B1B4096	Permanent
PAM	B1B4212	Permanent
PAM	B1B4214	Permanent
PAM	B1B4296	Permanent

Rows beginning with * are modified

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Text



DESCRIPTION:

* Add Vehicle Type 238

* DIM = Driver Information Module

If the Parking Assistance System (PAS) is not working and there is a message in DIM about “Parking Assistance System service required”, then it is possible that there is water ingress into front/rear park assist sensors and connectors caused by splices in the front/rear cable harness.

A new splice type and process improvement has been introduced in supplier production from 2018-06-06. See attached date marking on cable harness “[Label PAS harness.jpg](#)”. This will be implemented in factory production between 2018w36 and 2018w38 depending on vehicle option variants.

If the sensors and/or connectors are found to have water ingress then follow advice under service.

SERVICE:

Follow VIDA method for loosening the bumper skin. Disconnect all connectors to the parking sensors and connectors within the engine/luggage compartment to visually check if there is water ingress and/or corrosion.

If water or corrosion is found:

1. Replace the cable harness.

Note: The cable harness is only in one version, it is important to install plugged connectors P/N 31412936 in all empty positions in the cable harness that are not used.

2. Replace any affected parking sensors and connectors/terminals within the engine/luggage compartment that show signs of water ingress or signs of corrosion.

VEHICLE REPORT:

Yes, please submit a Vehicle Report if the service solution described in this TJ has no effect or if the vehicle is outside the structure week, then also add a photo of the cable harness label. Use concern area “Vehicle Report” and sub concern area “Support not needed”, use function group 3871.

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

