VOLVO CAR
SERVICE AND PARTS BUSINESS

Technical Journal

TITLE:

I-TPMS and Low Tire Pressure warning

REF NO:	ISSUING DEPARTMENT:	CAR MARKET:	
TJ 32531.5.0	Technical Service	United States and Canada	
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3 US 7510 Volvo Car USA		2019-12-30	2020-02-04
FUNC GROUP:	FUNC DESC:	Page 1 of 2	
3674	Tire pressure monitoring control system		

"Right first time in Time"

Vehicle Type

Type	Eng	Eng Desc	Sales	Body	Gear	Steer	Model Year	Plant	Chassis range	Struc Week Range
224							2019-9999		0000001-9999999	201835-999952
225							2019-9999		0000001-9999999	201817-999952
227							2019-9999		0000001-9999999	201846-999952
234							2017-9999		0000001-9999999	201617-999952
235							2017-9999		0000001-9999999	201624-999952
236							2017-9999		0000001-9999999	201646-999952
238							2018-9999		0000001-9999999	201646-999952
246							2018-9999		0000001-9999999	201717-999952
256							2017-9999		0105001-9999999	201617-999952
536							2019-9999		0000001-9999999	201746-999952

CSC Customer Symptom Codes

Code	Description
21	Warning lights and chimes/Tire pressure monitoring, Low tire pressure warning

DTC Diagnostic Trouble Codes

Control Module	Code	Fault Type
BCM	C007768	Intermittent

Rows beginning with * are modified
Note! If using a printed copy of this Technical Journal, first check for the latest online version.

Text

DESCRIPTION:
If low tire pressure is detected by the tire monitoring system (I-TPMS) with a warning message in DIM “Low Tire Pressure”, follow advice under Service.

Note: Vehicles equipped with I-TPMS can be identified with the following VDN codes: RG06, RG07, RG08 or RG09.

SERVICE:
If TPMS warning lamp in DIM is active with warning text message “Low Tire pressure”, then instruct the customer to perform the following steps:
First check the basics:

1. Check if there is any air leak due to a screw or nail, or if the tire is damaged from hitting a pot-hole. Repair or replace any faulty tires.
2. Check that the tire pressure (with cold tires) is according to the Owners Manual or Tyre label on B-pillar.
3. If there been a recent ambient temperature drop, then it is important to inflate more air since the tire pressure changes with fluctuations in temperature (gas contracts when the temperature declines).
4. If the same set of tires are used all year round, it is still important to check the tire pressure at least 3-4 times a year due to diffusion and temperature changes.

After the basic checks, initiate a TPMS Calibration (Store pressure) using the following method:

1. Start the engine and with vehicle standing still initiate calibration of Tire Monitoring system (Navigation Panel -> Status - > TPMS calibrate).
2. The car should then be driven between 40-100 km/h (25-62 mph) with average speed 60 km/h (40 mph) for 20 minutes and then the TPMS system should be calibrated, meaning it has stored the preferred tire pressure.

Notes:
- Extra time is needed if the if car is driven slower than 40 km/h (25 mph), higher than 100 km/h (62 mph) or braking during the calibration process.
- Avoid aggressive driving in order to keep the temperature in tires low during the calibration process.
- The DTC will self erase, there is no need to clear the DTC using VIDA.

* Tips: Ensure that all speed sensors are giving the same speed signals, this can be done while test driving the car while VIDA laptop is connected to read out all wheel sensors.

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 not needed”, use function group 3674.