

Classification:

WT19-002

Reference:

ITB19-018

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Date:

August 8, 2019

## 2018 Q50; TPMS LIGHT ON WITH DTC STORED

**APPLIED VEHICLES:** 2018 Q50 (V37)

### IF YOU CONFIRM

The Tire Pressure Monitor System (TPMS) light is ON with one or more of the following DTCs stored:

C1708 – [NO DATA] FL  
C1709 – [NO DATA] FR  
C1710 – [NO DATA] RR  
C1711 – [NO DATA] RL

### ACTION

1. Verify that the TPMS sensor associated with the stored DTC(s) is transmitting a signal with the Signal Tech II.
2. If transmitting, clear TPMS DTCs, turn the HVAC to maximum cool, and then road test the vehicle (see the specific conditions under steps 20 and 21 on page 6).
3. If a DTC is stored during the road test, replace the HVAC blower motor.

**IMPORTANT:** The purpose of ACTION (above) is to give you a quick idea of the work you will be performing. You **MUST** closely follow the entire SERVICE PROCEDURE as it contains information that is essential to successfully completing this repair.

Infiniti Bulletins are intended for use by qualified technicians, not 'do-it-yourselfers'. Qualified technicians are properly trained individuals who have the equipment, tools, safety instruction, and know-how to do a job properly and safely. NOTE: If you believe that a described condition may apply to a particular vehicle, DO NOT assume that it does. See your Infiniti retailer to determine if this applies to your vehicle.

## SERVICE PROCEDURE

With the Signal Tech II, check all TPMS sensors for DTCs

1. Turn the Signal Tech II ON, select **TPMS Check**, and then select the vehicle model/year.
  - After the vehicle is selected, the screen will prompt you "Press tool against LF tire and press OK to activate".



Figure 1

2. Position the Signal Tech II on the surface of the tire, indicated by the Signal Tech II.
  - Position where the valve stem is located as shown in Figure 2.

**NOTE:** Do not hold against the metal wheel, as this can affect the performance of the tool.
3. With the tool held at a 0 to 15 degree angle to the tire, press and release the **OK** button to activate the sensor.
  - The Signal Tech II will display pressure at this wheel location, and then automatically ask for the next tire after a successful read.
  - The Signal Tech II will allow three (3) attempts to successfully read a TPMS sensor before displaying NO TPM FOUND. An "X" will be displayed along with an audible beep.

**IMPORTANT:** You will need to hold the tool steady until the test is completed.



Figure 2

4. Repeat steps 2 and 3 as the Signal Tech II prompts you through each wheel position, and then proceed to step 5.
  - Once all 4 positions are activated, the Signal Tech II will scroll to the CON OBD box shown in Figure 3.

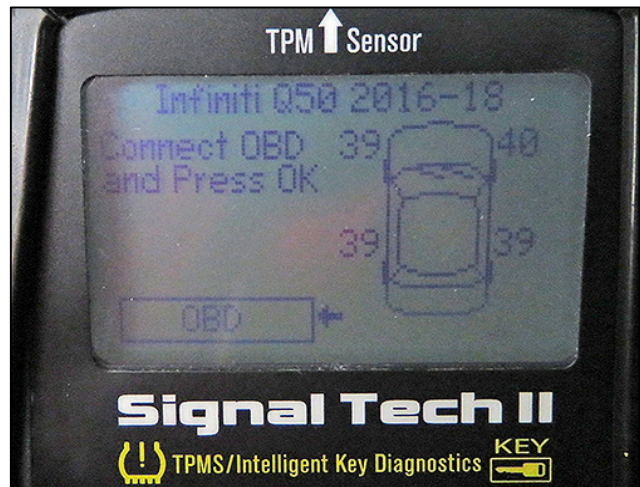


Figure 3

### Attach the Signal Tech II to the DLC and check for DTCs

5. Connect the OBD cable to the base of the Signal Tech II at the DB15 connection.
6. Connect the OBD cable to the DLC on the vehicle and turn the ignition to the ON position.



Figure 4

7. Once the Signal Tech II is connected, the tool will display COMMS. Press **OK** to continue.
  - The Signal Tech II will connect to the BCM, read the VIN, sensor IDs and check for TPMS DTCs.
  - DTCs related to a specific TPMS sensor will be displayed.
8. Press **OK** on the Signal Tech II.

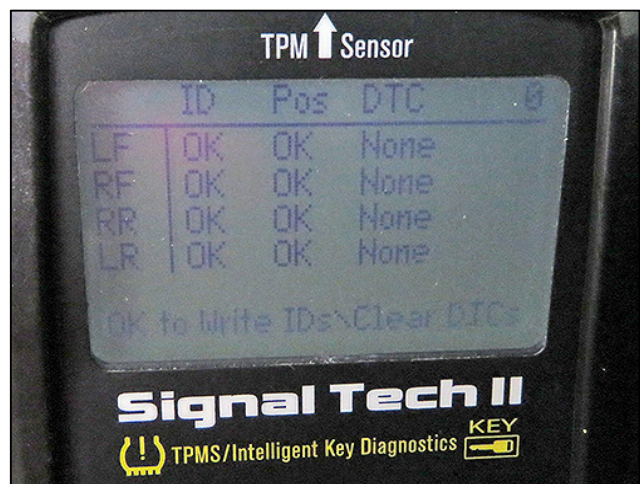


Figure 5

9. When the Signal Tech II displays "IDs Programmed & DTCs Cleared Successfully", press **OK** to print the audit report.

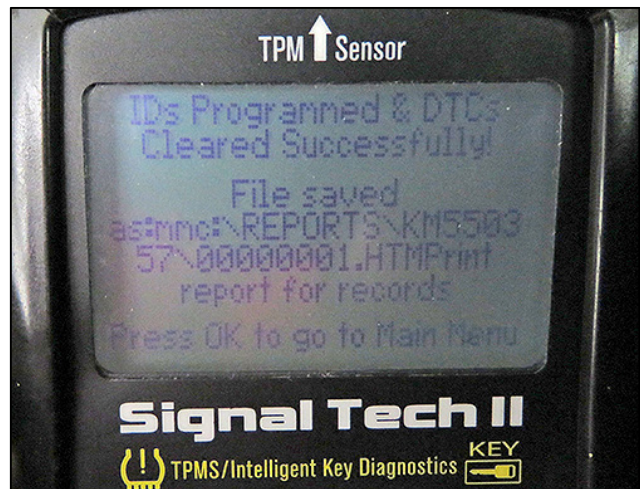


Figure 6

### Print the Signal Tech II File

10. Connect the USB cable to a PC.
11. With the tool still on, connect a USB cable to the Signal Tech II.
12. Open "My Computer" and locate the Signal Tech II at "Removable Disk (x:)"  
**NOTE:** The current vehicle report will be under "Removable Disk x:" with the name CURR\_REP.
13. Click on the reports folder to view saved reports by VIN number.
14. Locate the file with the vehicle's VIN.
15. Double click to open the file.



16. Complete the form (Figure 7) and then print it.
17. Attach a copy of the printed form to the repair order.

Signal Tech II v1.55.0.1.2  
Serial Num.: 4294967295

Vehicle Make Tested: Infiniti Q50

Report Printed On: 4/3/2019 15:36:39

Test Performed by:  Comments:

Owners Name:

License Plate No:

Model and Year:

VIN:

Always set tire pressures according to TIRE AND LOADING INFORMATION LABEL  
Understand and diagnose trouble codes (DTCs) according to the appropriate Electronic Service Manual  
**A Low Pressure DTC indicates that the TPMS is operating normally and has detected low tire pressure in one of the tires.**

Wheel	Pressure	DTCs	Control-Unit ID Hex	Control-Unit ID Dec	Tool ID Hex	Tool ID Dec	Position	Sensor Type
Left Front	39.3PSI	None	6D662021	1835409441	6D662021	1835409441	OK	4096 Manchester 433 MHzFM
Right Front	39.8PSI	None	6D662022	1835409442	6D662022	1835409442	OK	4096 Manchester 433 MHzFM
Right Rear	39.1PSI	None	6D662025	1835409445	6D662025	1835409445	OK	4096 Manchester 433 MHzFM
Left Rear	39.3PSI	None	6D66202F	1835409455	6D66202F	1835409455	OK	4096 Manchester 433 MHzFM

\*DTCs are shown in actual wheel position as found by the tool. The tool compensates for tire rotations.

**Signal Tech II Display Information:**  
DTC is shown in actual position

<u>Sensor ID</u>	<u>Sensor Position</u>	<u>Vehicle DTC</u>
<ul style="list-style-type: none"> <li>• OK = ID Matches Control Unit</li> <li>• New = New ID Found</li> <li>• N/A = No ID Found</li> <li>• ? = Incorrect ID Type Found</li> </ul>	<ul style="list-style-type: none"> <li>• OK = Position Matches Control Unit</li> <li>• RT = Wheel Rotated</li> <li>• N/A = New, Incorrect, or No ID Found</li> </ul>	<ul style="list-style-type: none"> <li>• Low Press = Low Tire Pressure</li> </ul>

Figure 7

18. Confirm that each TPMS sensor is transmitting a tire pressure.  
**NOTE:** Tire pressures can be found in the second column of the form that was just printed.
  - **YES, all TPMS sensors are transmitting a pressure:** Proceed to step 20.
  - **NO, not all of the TPMS sensors are transmitting a pressure:** This bulletin does not apply. Refer to the ESM for further diagnostic information.
19. Erase the stored TPMS DTC(s).

20. Turn the air conditioning ON and to the following settings:
- Maximum cold
  - Recirculate
  - Face mode
  - Maximum fan speed
21. Drive the vehicle at 25 MPH or more for 3 minutes, and then drive the vehicle at any speed for 10 minutes.
- Is DTC C1708, C1709, C1710 or C1711 stored?  
**YES:** Proceed to step 22.  
**NO:** This bulletin does not apply. Refer to the Electronic Service Manual (ESM) for further diagnostic information.
22. Replace the HVAC blower with one from the Parts Information section on page 7.
- Refer to the ESM for the procedure to replace the HVAC blower:
  - Refer to the ESM for the procedure to replace the HVAC blower: **VENTILATION, HEATER AIR CONDITIONER > VENTILATION SYSTEM > REMOVAL AND INSTALLATION > BLOWER UNIT - BLOWER MOTOR.**

## PARTS INFORMATION

DESCRIPTION	PART NUMBER	QUANTITY
Blower Assembly	27200-4GF1B	1

## CLAIMS INFORMATION

Submit a Primary Part (PP) type line claim using the following claims coding:

DESCRIPTION	PFP	OP CODE	SYM	DIA	FRT
TPMS Diagnosis/Blower Motor	(1)	PX87AA	HC	32	2.2 (2)

- (1) Reference the electronic parts catalog and use the Front Blower Motor (27200-\*\*\*\*\*) as the Primary Failed Part (PFP).
- (2) The FRT allows adequate time to access DTC codes. No other diagnostic procedures subsequently required. Do Not claim any other diagnostic operation codes with this claim.

## AMENDMENT HISTORY

PUBLISHED DATE	REFERENCE	DESCRIPTION
August 8, 2019	ITB19-018	Original bulletin published