

Classification:

WT13-004a

Reference:

ITB13-034a

Date:

November 20, 2013

2014 Q50; TPMS REGISTRATION

This bulletin has been amended to update information on Signal Tech II. Please discard previous versions.

APPLIED VEHICLES: 2014 Q50 (V37)
2014 Q50 Hybrid (HV37)

SERVICE INFORMATION

As of the publication date of this bulletin, Signal Tech II can now be used by itself to perform the TPMS (Tire Pressure Monitoring System) ID registration procedure.

IMPORTANT: Signal Tech II software version must first be updated to 1.48.3. The new software is available through ASIST.

TPMS ID registration can be performed using the following tools:

- Transmitter Activation tool (J-45295-A) with CONSULT-III plus (preferred method)
- Signal Tech II tool (J-50190) with CONSULT-III plus (preferred method)
- Signal Tech II tool (J-50190) without CONSULT -III plus



Use the TPMS ID registration instructions in this bulletin as needed.

NOTE: Tire Pressure Sensor Activation Tool J-45295 will not work on the 2014 Q50 or Q50 Hybrid.



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 dealer to determine if this applies to your vehicle.

Description

This procedure must be performed:

- after replacement of a transmitter

Work Procedure

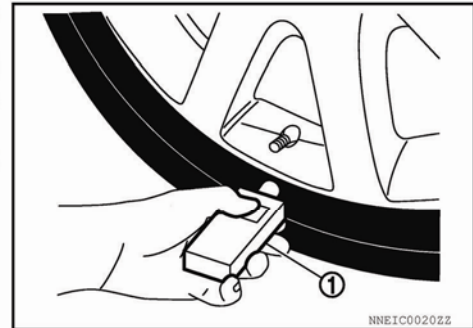
TPMS ID registration can be performed using one of the following procedures:

- Transmitter Activation tool (J-45295-A) with CONSULT (preferred method)
- Signal Tech II tool (J-50190) with CONSULT (preferred method)
- Signal Tech II tool (J-50190) without CONSULT

TPMS REGISTRATION WITH TRANSMITTER ACTIVATION TOOL (J-45295-A)

Ⓜ With CONSULT

1. Turn the ignition switch ON.
2. Using CONSULT, select "WORK SUPPORT" in BCM (AIR PRESSURE MONITOR). Then, select "ID REGIST" and "Start"
3. Select "Start" on "ID REGIST" screen.
4. Hold the transmitter activation tool (J-45295-A) (1) against the side of the left front tire, near the valve stem.
5. With the tool held at a 0 to 15 degree angle to the tire, press and hold the transmitter activation tool button until the indicator lamp turns OFF (approximately 5 seconds).
6. Repeat steps 4 and 5 for the remaining tires in this order: right front, right rear and left rear.



7. When ID registration is complete, check the following pattern at each wheel.

Sequence	ID registration position	Turn signal lamp	CONSULT
1	Front LH	2 blinks	"Yet (red)" ↓ "Done (green)"
2	Front RH		
3	Rear RH		
4	Rear LH		

8. After the ID registration procedure for all wheels is complete, press "End" on the CONSULT to finish ID registration.
9. Test drive the vehicle to ensure that the TPMS lamp is OFF and no warning messages are present.

TPMS REGISTRATION WITH SIGNAL TECH II TOOL (J-50190)

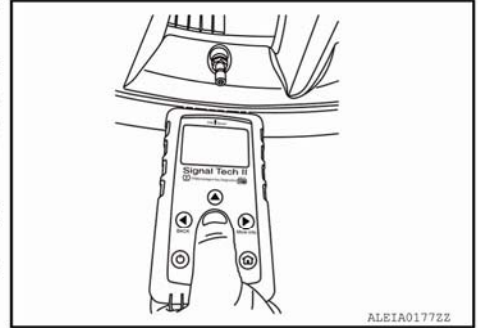
NOTE:

The Signal Tech II must be updated with software version 1.48.3 or newer in order to perform the below procedures. The Signal Tech II software updates can only be downloaded from a CONSULT unit with ASIST. Other versions of ASIST will not show the updates.

Ⓜ With CONSULT

1. Adjust the tire pressure for all tires to the recommended value.
2. Turn the ignition switch ON.
3. Using CONSULT, select "WORK SUPPORT" in BCM (AIR PRESSURE MONITOR). Then, select "ID REGIST" and "Start"
4. Select "Start" on "ID REGIST" screen.

5. Turn on the Signal Tech II tool (J-50190).
6. Hold the Signal Tech II against the side of the left front tire, near the valve stem.
7. With the tool held at a 0 to 15 degree angle to the tire, select "Activate Sensor" from the main menu, then press and release the "OK" button to activate the sensor. Once the sensor is activated, the vehicle parking lamps will flash and the sensor ID will appear on the CONSULT screen.
8. Repeat steps 6 and 7 for the remaining tires in this order: right front, right rear and left rear.
9. When ID registration is complete, check the following pattern at each wheel.



Sequence	ID registration position	Turn signal lamp	CONSULT
1	Front LH	2 blinks	"Yet (red)" ↓ "Done (green)"
2	Front RH		
3	Rear RH		
4	Rear LH		

10. Once all sensors have been activated, select "End" on the CONSULT to finish ID registration.
11. Test drive the vehicle to ensure that the TPMS lamp is OFF and no warning messages are present.

⊗ Without CONSULT

1. Adjust the tire pressure for all tires to the recommended value.
2. Turn on the Signal Tech II tool (J-50190) and select "TPMS Check" from the main menu.
3. Select vehicle model and year.
4. When prompted, hold the Signal Tech II against the side of the left front tire, near the valve stem.
5. With the tool held at a 0 to 15 degree angle to the tire, press and release the "OK" button to activate the sensor. Once the sensor is activated, the tool will sound a tone and the tire pressure will be displayed.
6. Repeat steps 4 and 5 for the remaining tires in this order: right front, right rear and left rear.
7. When prompted, connect the tool to the data link connector. The tool will connect to the BCM, read the VIN, read sensor IDs and check for TPMS DTCs. Along with DTCs detected, one of the following will be displayed next to each wheel:
 - N/A - Not applicable because no ID found by the tool
 - OK - Wheel and sensor are in original position
 - NEW - New ID found compared to BCM
 - RT - Wheel has been rotated
 - Low Press - Low tire pressure
8. If no DTC is present or the repair has been completed, press the "OK" button to register the IDs and clear DTCs.
9. Test drive the vehicle to ensure that the TPMS lamp is OFF and no warning messages are present.
10. Print a Signal Tech II Audit Report for your records. Refer to the Signal Tech II User Guide for instructions.

