

**August 30, 2014**

ATB 51882 (1408)

## Low Tire Pressure/TPMS Indicator Is On With No DTC or With VSA DTC 151-11

### AFFECTED VEHICLES

Year	Model	Trim	VIN Range
2014	Civic	ALL Except Si	ALL
2014	Civic	Hybrid	ALL
2014	Civic	Natural Gas	ALL

### SYMPTOM

The low tire pressure/TPMS indicator is on with no DTC, or with VSA DTC 151-11 (low tire pressure threshold refinement), and the tire pressures were properly set to the driver's doorjamb label.

### POSSIBLE CAUSES

The TPMS system misinterprets different driving conditions.

### CORRECTIVE ACTION

Update the VSA modulator-control unit.

### SOFTWARE INFORMATION

NOTE: Unnecessary or incorrect repairs resulting from a failure to update the HDS or MVCI are not covered under warranty.

MVCI Control Module (CM) Update:

Application (FW) Version 3.01.40 **or later**

Database update 21-July-2014 **or later**

HDS Software Version:

3.015.006 **or later**

**Before beginning the repair, make sure that both the HDS and MVCI are updated as listed above.**

**Do only the update listed in this service bulletin.**

Check that the MVCI indicates the applicable program ID listed below (or a later program ID) as the **Recommended Update** when the update begins.

If the MVCI displays **This vehicle does not need an update at this time** during the update, the software for this service bulletin is already installed.

For more information about updating the HDS, the MVCI, and vehicle systems, refer to Service Bulletin 01-026, *Updating Control Units/Modules*.

**CUSTOMER INFORMATION:** The information in this bulletin is intended for use only by skilled technicians who have the proper tools, equipment, and training to correctly and safely maintain your vehicle. These procedures should not be attempted by "do-it-yourselfers," and you should not assume this bulletin applies to your vehicle, or that your vehicle has the condition described. To determine whether this information applies, contact an authorized Honda automobile dealer.

Year/Model	Program ID (or later)	Program P/N (or later)
2014 Civic 2dr LX with CVT	S8C130	57114-TS8-C13
2014 Civic 2dr EX with CVT	S8C330	57114-TS8-C33
2014 Civic 2dr EX-L with CVT	S8C330	57114-TS8-C33
2014 Civic 2dr LX with M/T	S8C730	57114-TS8-C73
2014 Civic 2dr EX with M/T	S8C830	57114-TS8-C83
2014 Civic 4dr HF with CVT	R0C030	57114-TR0-C03
2014 Civic 4dr LX with CVT	R3A130	57114-TR3-A13
2014 Civic 4dr EX with CVT	R3A330	57114-TR3-A33
2014 Civic 4dr EX-L with CVT	R3A330	57114-TR3-A33
2014 Civic 4dr LX with M/T	R3A830	57114-TR3-A83
2014 Civic 4dr NGV	R5A230	57114-TR5-A23
2014 Civic 4dr Hybrid	R2B330	57114-TR2-B33

## WARRANTY CLAIM INFORMATION

The normal warranty applies.

Operation Number	Description	Flat Rate Time	Template ID	Failed Part Number
4135A2	Update the VSA modulator-control unit.	0.3 hour	14-042A	57110-TR3-306

Defect Code: 03214

Symptom Code: 03217

Skill Level: Repair Technician

## REPAIR PROCEDURE

1. Connect a fully charged jumper battery to the vehicle and leave it connected during the entire update procedure to maintain a steady voltage.
2. Apply the parking brake and make sure the headlights are turned off.
3. Turn the ignition to ON, and turn off all accessories.
4. Connect the MVCI to the vehicle.
5. Press the ENTER button on the MVCI to see the **User Config** menu. Select **CM Update Mode**, then press ENTER.
6. Select **Reprogramming**, then press ENTER.
7. The **CM Update Mode** software screen appears. Press ENTER to continue.

NOTE: The FW VER must be 3.01.40 or later and Database Update must be 21 July 2014 or later.

8. The **Select System** screen appears. Select **ABS/VSA**, then press ENTER.

NOTE: If the VSA update is the only available update, it will automatically go to the VSA selections.

9. For program ID and program part number, see the chart above.
10. Scroll down and select **Running change, IF YES, Press ENTER**. Press ENTER again to start reprogramming
11. Set the cold tire pressures according to the tire label listed on the doorjamb while the MVCI updates the vehicle.
12. Once the update is complete, follow the on-screen prompts to turn the ignition to OFF, then to ON again when indicated.

NOTE: If an error occurs during the updating procedure, keep the ignition ON; press ENTER to display the error code. Record the error code, restart the update. If the error code reoccurs, refer to the CM Update Error Code Table in the MVCI User Guide for more information about the error code and its solutions.

13. When the MVCI displays the message **VSA Sensor Neutral Position Memorization is required** after the completion of the update, scroll down and press ENTER.
14. Using the HDS, go to VSA Sensor Neutral Position Memorization Procedure.

## VSA Sensor Neutral Position Memorization Procedure

1. Connect the HDS laptop to the MVCI.
  - Select **Honda Systems**.
  - Select **ABS/TCS/VSA**.
  - Select **Adjustment**.
  - Select **All Sensors**, then follow the screen prompts.
2. Once completed, exit the VSA system; turn the ignition to OFF, then to ON again. Go to EPS Steering Angle Sensor Neutral Position Clear Procedure.

## EPS Steering Angle Sensor Neutral Position Clear Procedure

1. Go to **EPS** on the HDS.
  - Select **Adjustment**.
  - Select **Steering Angle Sensor Value Clear**.
  - Follow the screen prompts.
2. Turn the ignition to OFF then to ON again. Go to TPMS Calibration Used After Software Update.

## Special TPMS Calibration Used Only After Software Update

NOTE: If the tire pressures were not already set, set them to the cold inflation values listed on the driver's doorjamb label.

1. Press the MENU button on the steering wheel to enter the customize settings.
2. Press the AUDIO REMOTE + or - button to select **CUSTOMIZE SETTINGS**.
3. Press the AUDIO REMOTE + or - button to select **TPMS CALIBRATION**.
4. Press the AUDIO REMOTE + or - button and select **INITIALIZE**.
5. TPMS calibration will be initiated, would you like to proceed?
6. Press the AUDIO REMOTE + or - button and select **YES**.
7. When the calibration begins, **TPMS CALIBRATION HAS BEEN INITIALIZED** appears on the i-MID, when the system calibration is complete, the screen returns to **TPMS CALIBRATION**.
8. Repeat steps 1 thru 7 two more times.
9. Disconnect the jumper battery, start the vehicle, and verify that the VSA and the Low Tire Pressure/TPMS indicators come on and go off.

NOTE: It is not necessary to drive the vehicle to confirm the calibration is complete. Calibration will complete as the customer drives the vehicle.

10. Turn the ignition to OFF, exit the HDS, and disconnect the MVCI.

END