



TPMS Low Pressure Warning Adjustment

Classification	Repair Bulletin - Level II	Section/Group	34 - Wheels & Tires	Country/Region	North America
Year	2012	Model	Model S	Version	All

Bulletin Classification: Repair Bulletin – Level II is issued to address a known non-safety related condition and provide recommended technical diagnosis & repair procedures. Apply this procedure to all vehicles in the affected VIN range listed.

This Service Bulletin supersedes SB-12-34-002, dated 20-Nov-12. The content changes are identified with double vertical lines and italics. Please discard the previous Service Bulletin and replace with this one.

Condition

On vehicles with 21 inch wheels, the tire pressure monitoring system (TPMS) low pressure threshold is too close to the proper inflation pressure. When a vehicle is parked and the air in the tires cools down, especially in cold ambient temperatures, this condition may cause the tire pressure to decrease below the lower threshold. This results in illumination of the low tire pressure indicator light, although the tire will still perform safely below this threshold.

Correction

Use the TPMS tool to change the low pressure threshold from 38.8 PSI to 36.0 PSI.

Procedure

NOTE: Perform this procedure on vehicles with 21 inch wheels only. Do not perform this procedure on vehicles with 19 inch wheels.

1. Sit in the driver's seat to turn on the accessory rail.
2. Pull down the center storage tray or center cover to detach the front 2 clips. The storage tray or center cover does not need to be completely removed.
3. Connect the *TPMS tool cable (1013758-01-A)* to the CAN breakout connector under the touchscreen.

4. Turn on the TPMS tool (1013547-00-A) by pressing the Power button at the upper-right corner of the keypad (Figure 1).

NOTE: The tool is equipped with a screen backlight, which can be turned on or off using the light bulb button.

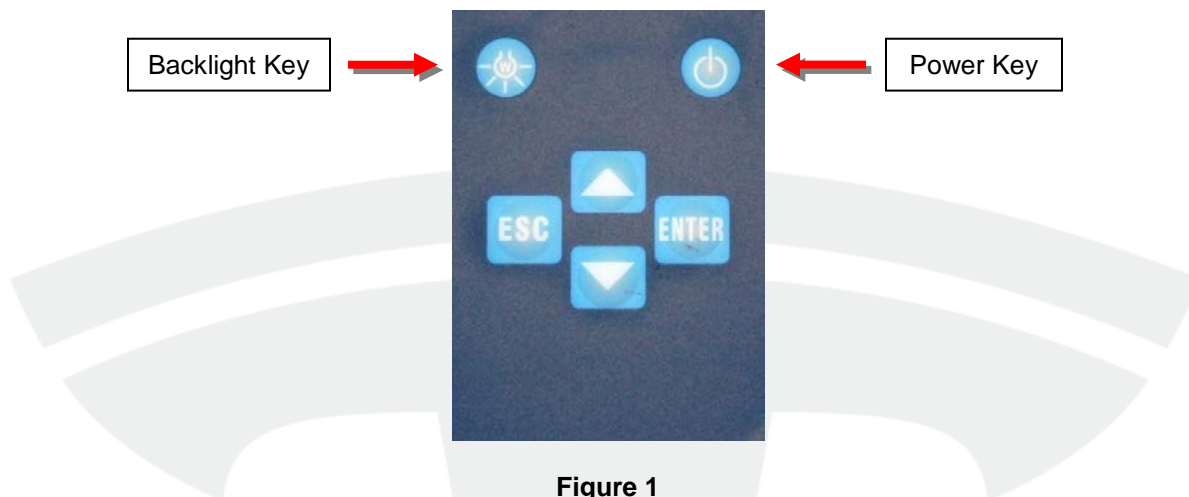


Figure 1

5. Press the down button to scroll to UDS Services (Figure 2). Press the ENTER button.

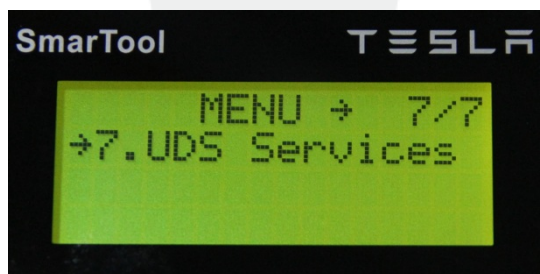


Figure 2

6. Press the down button to scroll to Read PTH (Figure 3). Press the ENTER button.

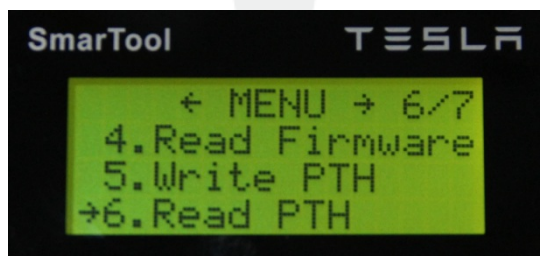


Figure 3

NOTE: If all 4 thresholds are 38.8 PSI, continue this procedure. If all 4 thresholds are 36.0 PSI, the low pressure warning thresholds are up to date, and no further action is required. Disconnect the TPMS tool and reseal the front center storage tray or center cover.

7. Press the ESC button to return to the menu.
8. Press the down button to scroll to Write PTH (Figure 4). Press the ENTER button.

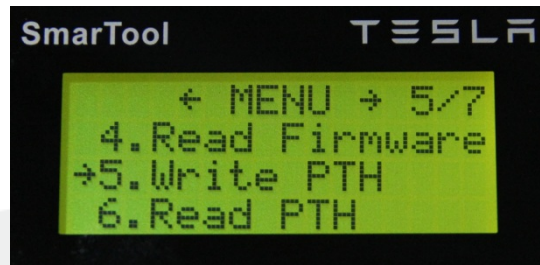


Figure 4

9. Change all 4 thresholds to 36.0 PSI. Use the ENTER button to increase the threshold and the ESC button to decrease it. Use the up and down buttons to move between thresholds.
10. After RS is set properly, press the down button. The cursor flips to point toward Save (Figure 5). Press ENTER. The tool displays “Succeed” when the thresholds are updated in the ECU.

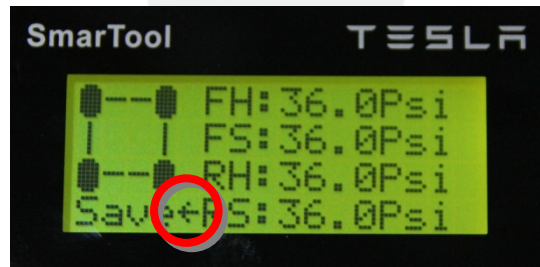


Figure 5

NOTE: If the tool displays “ECU No Response”, the tool has lost its connection to the vehicle. Check the connections at the TPMS tool and CAN breakout connector, then select Retry.

11. Press the down arrow to scroll to Read PTH. Press ENTER. Check that all thresholds display 36.0 PSI (Figure 6).

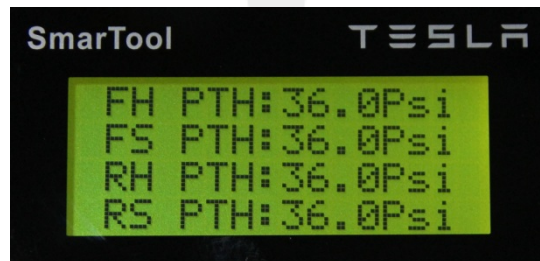


Figure 6

NOTE: If the thresholds are not all 36.0 PSI, repeat the procedure, starting at Step 7.

12. Turn off the TPMS tool.
13. Disconnect the TPMS tool cable from the vehicle.
14. Reseat the front center storage tray or center cover.

Affected Part(s) 1013547-00-A TOOL, TPMS, ROADSTER & MODEL S (INTERNAL - YELLOW CASE)
1013758-01-A MODEL S TPMS TOOLING CABLE

Affected VIN(s) Perform this procedure on vehicles with 21 inch wheels *within the following VIN ranges*. Do not perform this procedure on vehicles with 19 inch wheels.

5YJSA1DP8CFF00001 - 5YJSA1DP0CFF00042
5YJSA1DP6CFP01201 - 5YJSA1CP0CFP01373
5YJSA1DP5CFP01500 - 5YJSA1CN3CFP01740
5YJSA1AP7CFR00102 - 5YJSA1AP9CFR00117
5YJSA1DP2CFS00001 - 5YJSA1DN9CFS01094
5YJSA1DPXCFS02000 - 5YJSA1DN4CFS02041

Warranty/DMS Coding:

Description	Complaint	Cause	Correction
Visual Vehicle Inspection Only; Vehicle Does Not Have 21 Inch Wheels	A091	B053	S011234002
Vehicle Inspection Only; TPMS Low Pressure Warning Threshold Already Adjusted	A091	B053	S021234002
Adjust TPMS Low Pressure Warning Threshold	A091	B053	S031234002