

**NUMBER:** 08-044-15**GROUP:** Electrical**DATE:** April 30, 2015

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**THIS SERVICE BULLETIN IS ALSO BEING RELEASED AS RAPID RESPONSE TRANSMITTAL (RRT) 15-044. ALL APPLICABLE SOLD AND UN-SOLD RRT VIN'S HAVE BEEN LOADED. TO VERIFY THAT THIS RRT SERVICE ACTION IS APPLICABLE TO THE VEHICLE, USE VIP OR PERFORM A VIN SEARCH IN TECHCONNECT. ALL REPAIRS ARE REIMBURSABLE WITHIN THE PROVISIONS OF WARRANTY.**

**THE wiTECH SOFTWARE LEVEL MUST BE AT 15.04 OR HIGHER TO PERFORM THIS PROCEDURE.**

**SUBJECT:**

**Tire Pressure Monitoring System (TPMS) Lamp Illuminated With Tires Inflated To Correct Pressure**

**OVERVIEW:**

This bulletin involves using the wiTECH diagnostic tool to update the tire pressure values set in the TPMS control unit.

**MODELS:**

**2015 (4C) Alfa Romeo 4C**

**NOTE: This bulletin applies to vehicles built on or after July 09, 2014 (MDH 0709XX) and on or before February 20, 2015 (MDH 0220XX).**

**SYMPTOM/CONDITION:**

Front tires nominal pressure values are not correctly set in the TPMS control unit.

The customer may describe the TPMS telltale light on the instrument panel is flashing and/or illuminated, even if the tires are properly inflated.

**DIAGNOSIS:**

If a customer's VIN is listed in VIP or your RRT VIN list, perform the repair. For all other customers that describe the symptom/condition listed above, perform the Repair Procedure.

Confirm that the correct wheels and tires are installed on the vehicle and that the tires are inflated to the recommended pressure indicated on the vehicle placard or tire inflation pressure label.

Using a Scan Tool (wiTECH) with the appropriate Diagnostic Procedures available in

TechCONNECT, verify that no DTCs are set. If DTCs or symptom conditions, other than the one listed above are present, record the issues on the repair order and repair as necessary before proceeding further with this bulletin.

If the customer describes the symptom/condition listed above, perform the Repair Procedure.

### **REPAIR PROCEDURE:**

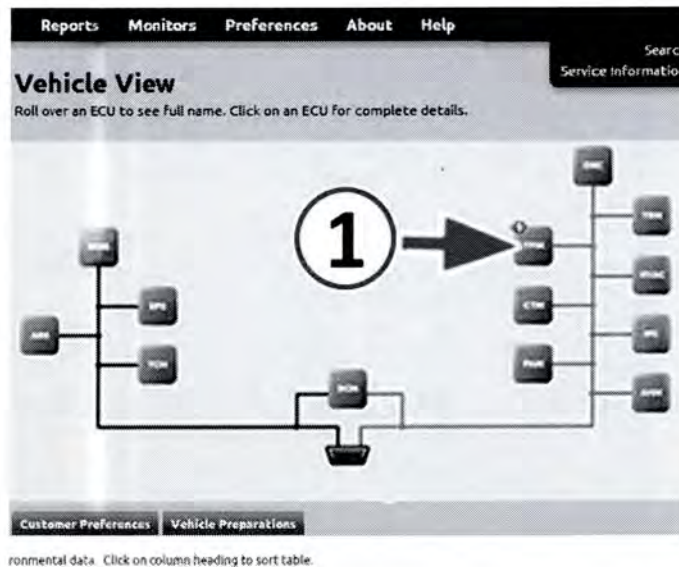
**NOTE: Install a battery charger to ensure battery voltage does not drop below 13.2 volts. Do not allow the charging voltage to climb above 13.5 volts during the TPMS pressure value update process.**

Using the wiTECH diagnostic tool, updated to the latest software release, follow the repair process steps below to update the pressure values set in the TPMS control unit, setting the following values:

- Front axle nominal tire pressure setting = 1800 mBar (26 psi).
- Rear axle nominal tire pressure setting = 2000 mBar (29 psi).

**NOTE: If the updating process is interrupted/aborted, it must be restarted.**

1. On the network topography view screen, select TPM (1) as shown in (Fig. 1).



**Fig. 1 wiTech Network Topography Screen**

1 - TPM

2. Select "Misc. Functions" tab (1) as shown in (Fig. 2).
3. Select "Write Front and Rear nominal tire pressure values" (2) as shown in (Fig. 2).



**Fig. 2 wiTech TPM View Screen**

- 1 - Misc. Functions
- 2 - Write Front and Rear nominal tire pressure values

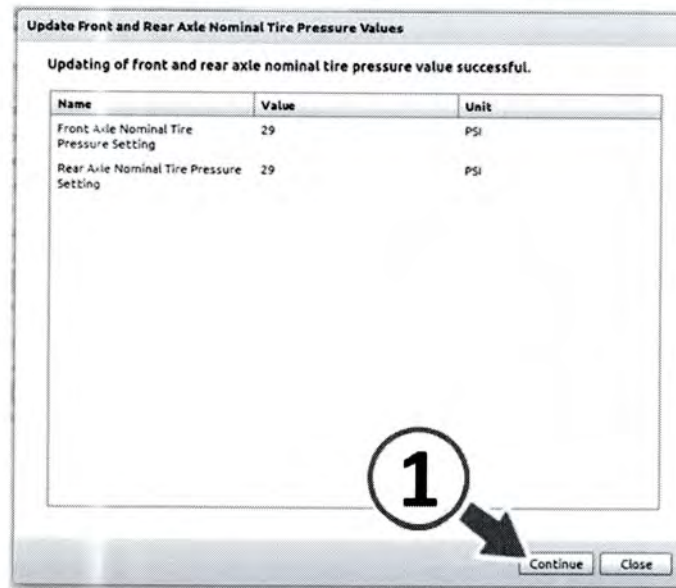
4. The window shown in (Fig. 3) warns that the activated function allows the front and rear tires pressure values stored in the TPMS control unit to be updated. Press the "Continue" button (1) as shown in (Fig. 3).



**Fig. 3 Update Tire Pressure Values**

- 1 - Continue

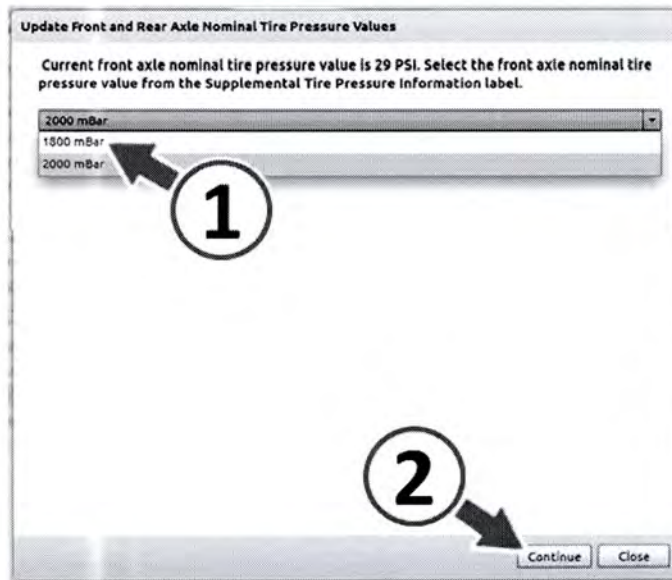
5. The window shown in (Fig. 4) displays the front and rear tires pressure values stored in the TPMS control unit. Press the "Continue" button (1) as shown in (Fig. 4).



*Fig. 4 Stored Tire Pressure Values*

1 - Continue

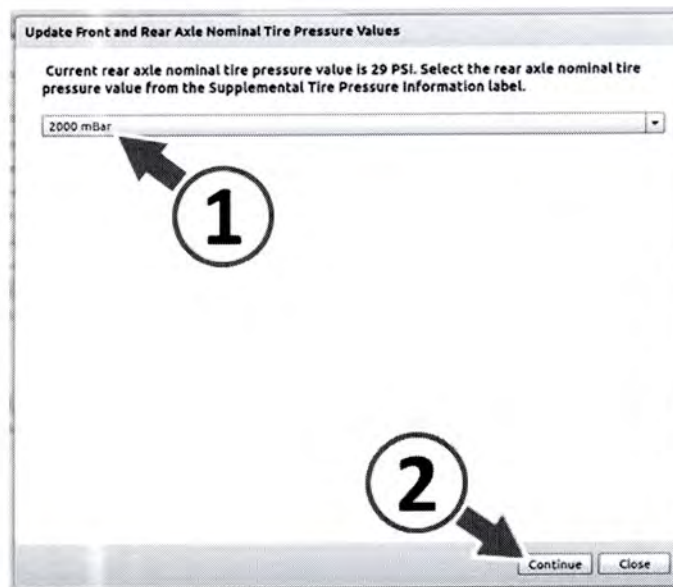
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6. The window shown in (Fig. 5) informs that the value set for the front tires is 2000 mBar (29 psi). Open the drop-down menu (1) and change the front tires pressure value to **1800 mBar (26 psi)** as shown in (Fig. 5).
7. Press the "Continue" button (2) as shown in (Fig. 5)



**Fig. 5 Set Front Axle To 1800 mBar**

- 1 - 1800 mBar
- 2 - Continue

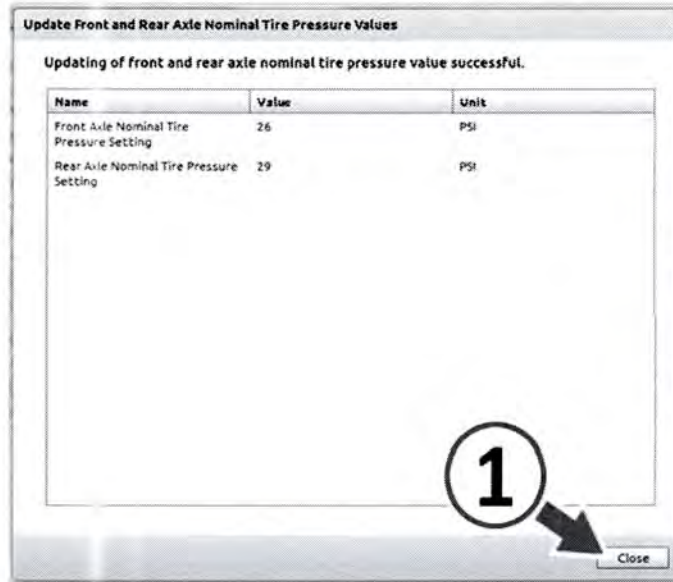
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8. The window shown in (Fig. 6) informs that the value set for the rear tires (1) is 2000 mBar (29 psi). This value is correct. Press the "Continue" button (2) as shown in (Fig. 6).



**Fig. 6 Set Rear Axle to 2000 mBar**

- 1 - 2000 mBar
  - 2 - Continue
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9. The window shown in (Fig. 7) will display the new front and rear tires pressure values stored in the TPMS control unit. Confirm that the pressure values are set to 26 psi for the front tires and 29 psi for the rear tires.
10. Press the "Close" button (1) as shown in (Fig. 7).



**Fig. 7 New Tire Pressure Values**

1 - Close

11. Using wiTECH clear any DTCs which may have been set during this procedure.
12. The TPM will need to learn the new tire pressure values. Drive the vehicle for 20 minutes continuously above 24 km/h (15 mph) after setting the pressure values. The learning sequence will initiate when the vehicle has been stopped for more than 20 minutes.

**POLICY:**

Reimbursable within the provisions of the warranty.

**TIME ALLOWANCE:**

Labor Operation No:	Description	Skill Category	Amount
23-51-35-90	Module, Tire Pressure Monitor (TPM) - Update Nominal Tire Pressure Values (0 - Introduction)	6 - Electrical and Body Systems	0.5 Hrs.

**FAILURE CODE:**

ZZ	Service Action
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