


Total Diagnostic Solutions

Exceed Your Expectations

Trade Show

AAPEX 2010

November 2 - November 4, 2010
Sands EXPO Center, Las Vegas, NV, USA
Booth Number: 1258
We look forward to greeting you there!

iSCAN-II / D91 Latest Versions (September, 2010)

iSCAN-II PEUGEOT	V3.00 / V2.01 SP1 / V1.02 SP3	English/Chinese/Japanese /Spanish	2010-09-02
iSCAN-II CITROEN	V3.00 / V2.01 SP1 / V1.02 SP3	English/Chinese/Japanese /Spanish	2010-09-02
iSCAN-II IMS2-VASS	V1.01	English/Chinese	2010-09-14
IMS2-VASS AddOn	V2.00	English/Chinese	2010-09-14
PS-Module AutoUpdate System	V1.2	English/Chinese	2010-09-14
PS-Module File Manager	V5.03	English/Chinese/Japanese	2010-09-14
Autoload setup	V2.00	English/Chinese/Japanese	2010-09-14
D91-PEUGEOT	V4.01 SP1 / V3.02 SP3	English/Chinese/Japanese /Spanish	2010-09-02
D91-CITROEN	V4.01 SP1 / V3.02 SP3	English/Chinese/Japanese /Spanish	2010-09-02

VeDiS Yearly Update Project (YUP) Software

Software releases monthly for D91-EURO PRO YUP 2010 / D91-ASIAN PRO YUP 2010. YUP customers, please get the updates from website.

Technical Guidance

Lexus: Tire Pressure Monitoring System (TPMS) ID Registration

Introduction

The Tire Pressure Monitoring System is fitted to the car to provide a warning of low

tire pressure. There are 2 kinds of TPM sensors, one is indirect type and the other is direct type.

Some models (like LS430, LS460, RX330 and RX350) are with the indirect or ABS type TPMS. This system uses the existing the wheel speed sensor in the ABS(antilock brake system). This system monitors tire pressures by comparing relative wheel speeds. As a pressure in a tire falls the diameter of the tire reduces causing it to turn faster than the other wheels on the car. This difference can be seen by the wheel speed sensors and communicated to the skid control ECU. The system needs to reset by manual, please refer to the Owner's Manual.

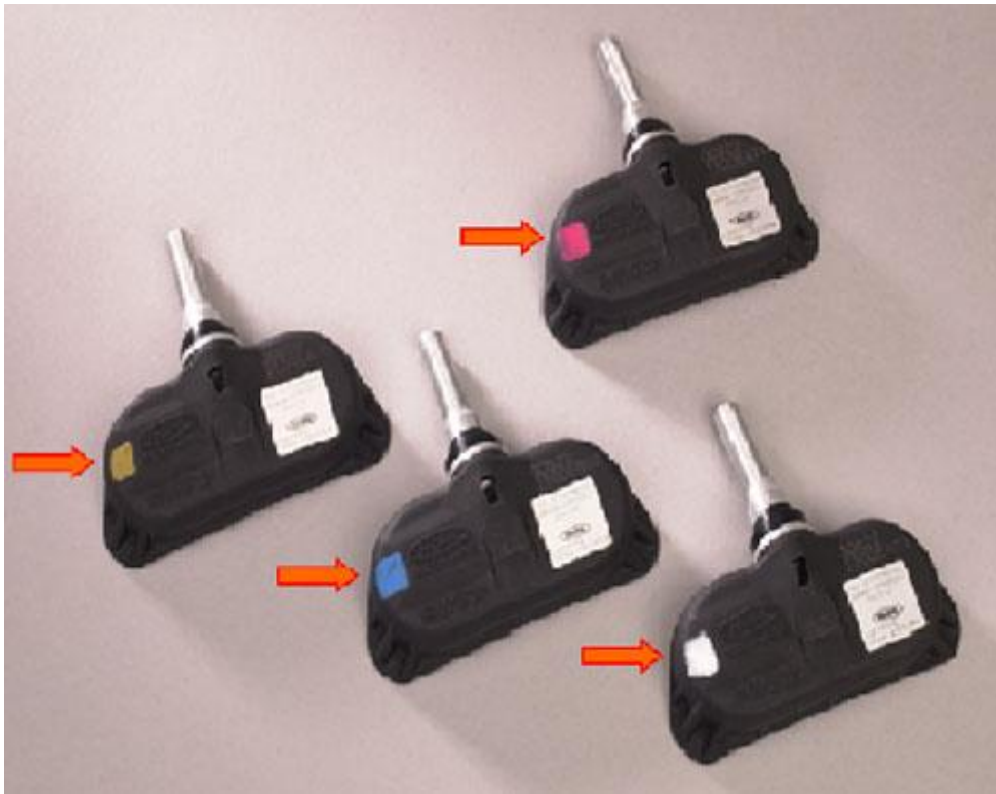
Most models (like IS250, GS350, and LX470) are equipped with the direct TPMS. The direct one comprises the following components on the car: a direct TPM sensor, a TPM warning light, a Tire Pressure Monitor ECU, and the antenna. There are ID code and Color Code for the direct TPMS. The registration of ID Code needs to fill in 4 sets of 8-digit numbers each by each when replacing the sensors. The Color Code of TPMS has different colors on each sensor. It is not allowed to register the sensor with the same color. How to distinguish it is ID Code or Color Code, please check the Data Stream to see first.

After changing the TPM sensor, it is necessary to register TPM IDs. If a TPM sensor or its position on the car is changed without re-registering the IDs, then the TPM warning light will turn on and stay on until the IDs are registered.

ID Code type sensor



Color Code type sensors



Procedures on iSCAN-II:

1. Select **Vehicle Diagnostic** -> select **JAPAN**



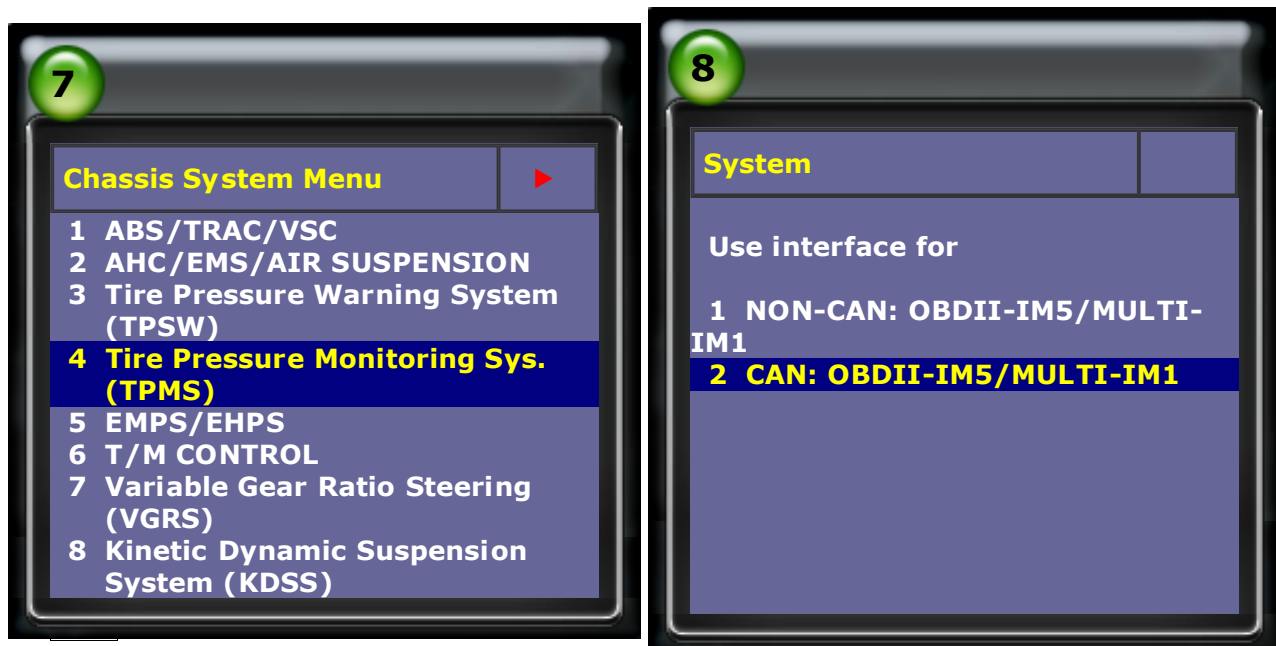
2. Select **JAPAN**, then select **LEXUS** software



3. Select **Diagnosis**, then select **Chassis**



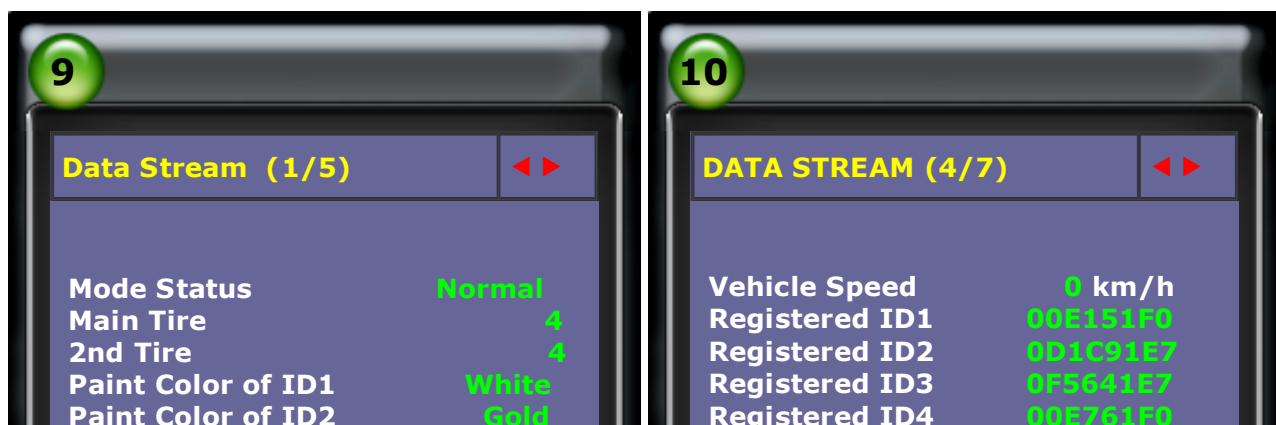
4. Select **Tire Pressure Monitoring System (TPMS)**, then select the interface module



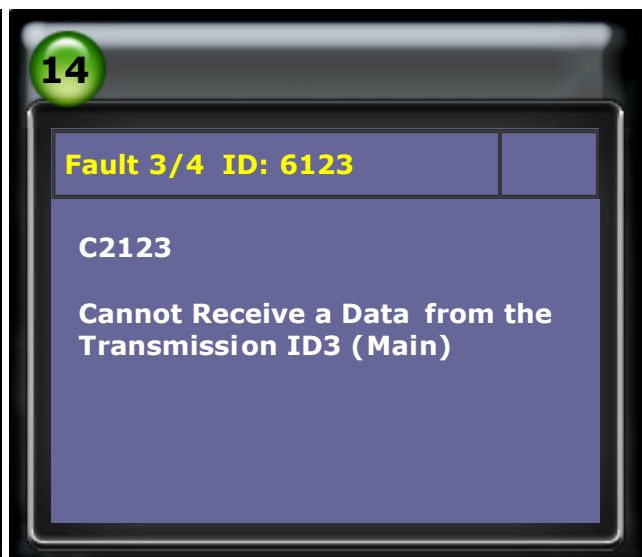
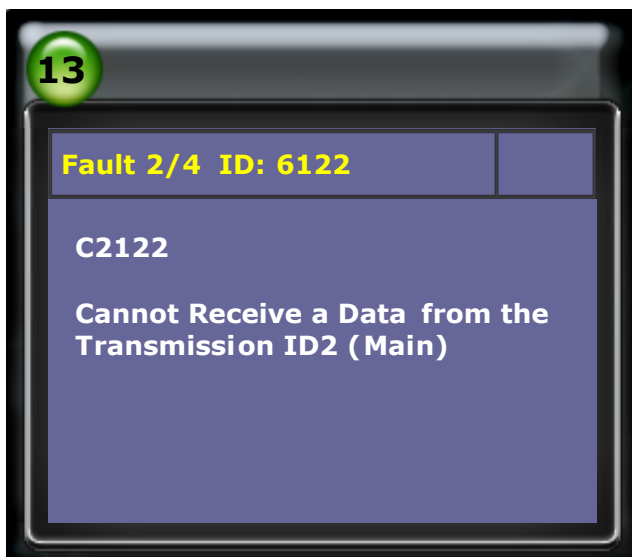
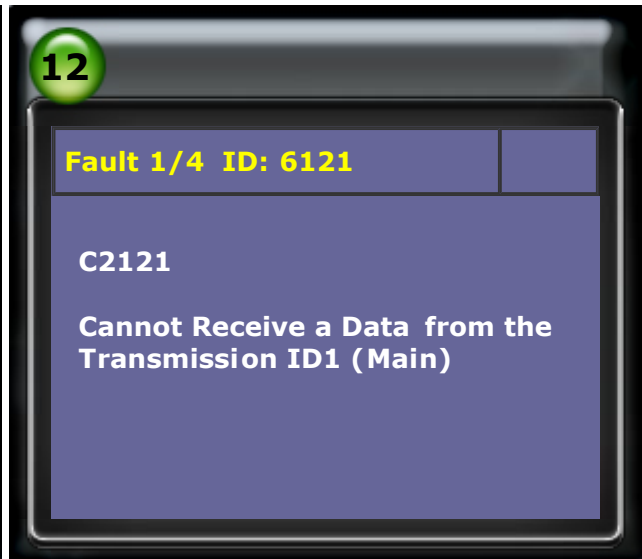
5. Check the **Data Stream** first to distinguish that ID registration is **ID Code** or **Color Code**.

Color Code (Image 9)

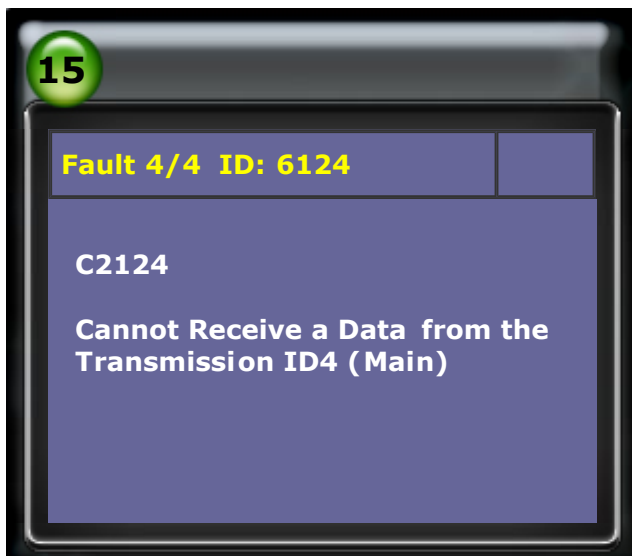
ID Code (Image 10)



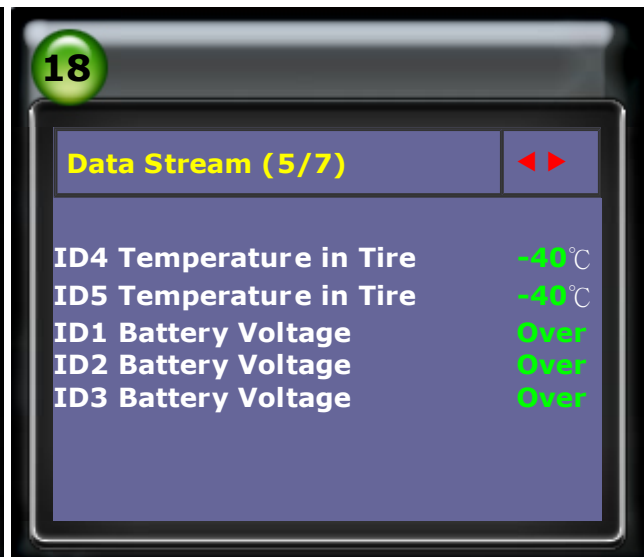
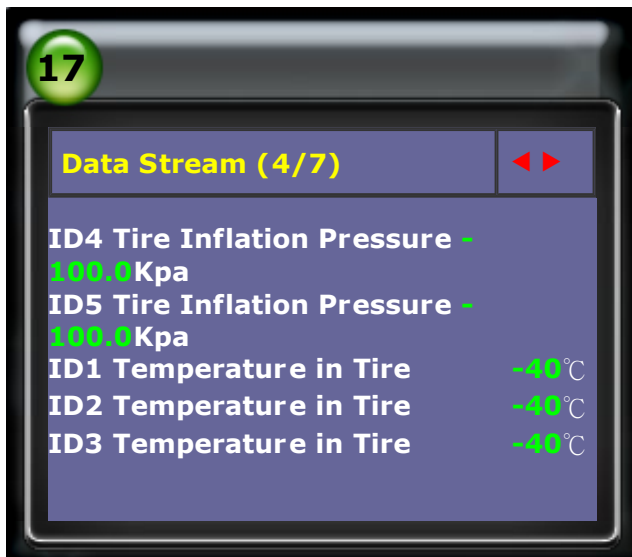
6. Select **Read Fault Code** to see the faults.



7. Also check the **Data Stream** to see that the **Tire Inflation Pressure** has reached to the limit value.

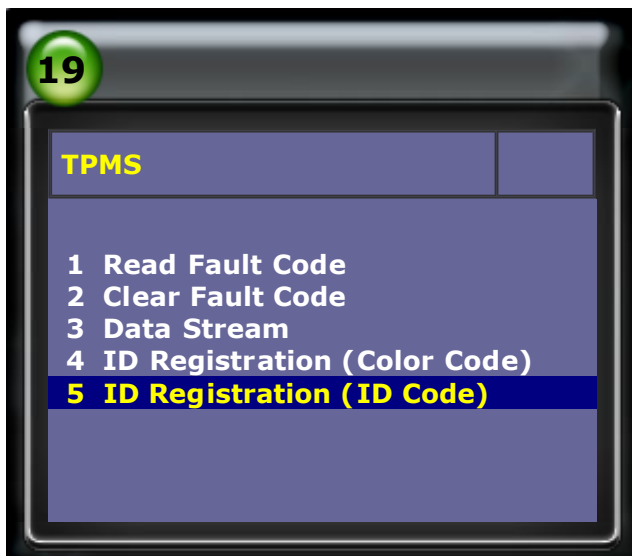


8. The **Temperature in Tire** has also reached to the limit value.

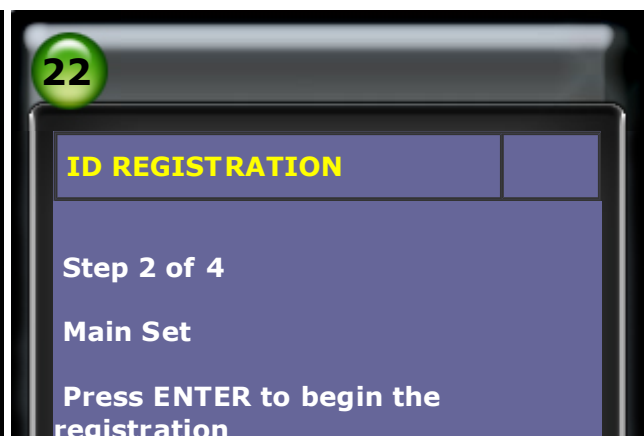
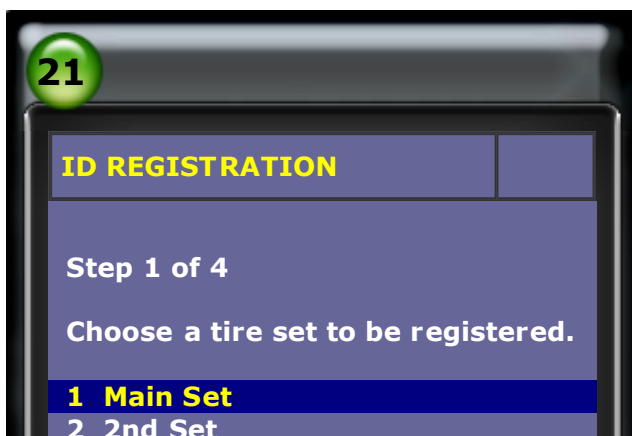


Perform the ID Registration (ID Code)

9. Select **ID Registration (ID Code)**, and follow the instructions on screen.
Please note that Registration will fail if the time limit is exceeded for any step.



10. Set **Main Set**.



11. Press ENTER, there will be 5 minutes to perform the registration.
Please fill in the 8 digits of ID Code each by each.
(If the ID Code is 7-digit, add a 0 before the number)

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ID REGISTRATION

Step 3 of 4
Main Set
After pressing ENTER, you will have 5 minutes to perform the following operation.

- Input each transmitter ID code.
- Press ENTER to input the next code.
- Continue until all codes are registered.

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ID REGISTRATION

Step 4 of 4

ID Code: 0000000**0**
Total Tires: 4
Registered Tires: 0
Time Remaining: 300

12. Fill in the ID Code, then press ENTER to next step.

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ID REGISTRATION

Step 4 of 4

ID Code: 0**0**E151F0
Total Tires: 4
Registered Tires: 1
Time Remaining: 250

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ID REGISTRATION

Step 4 of 4

ID Code: 0**0**D1C91E7
Total Tires: 4
Registered Tires: 2
Time Remaining: 200

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ID REGISTRATION

Step 4 of 4

ID Code: 0**0**F5641E7
Total Tires: 4
Registered Tires: 3
Time Remaining: 150

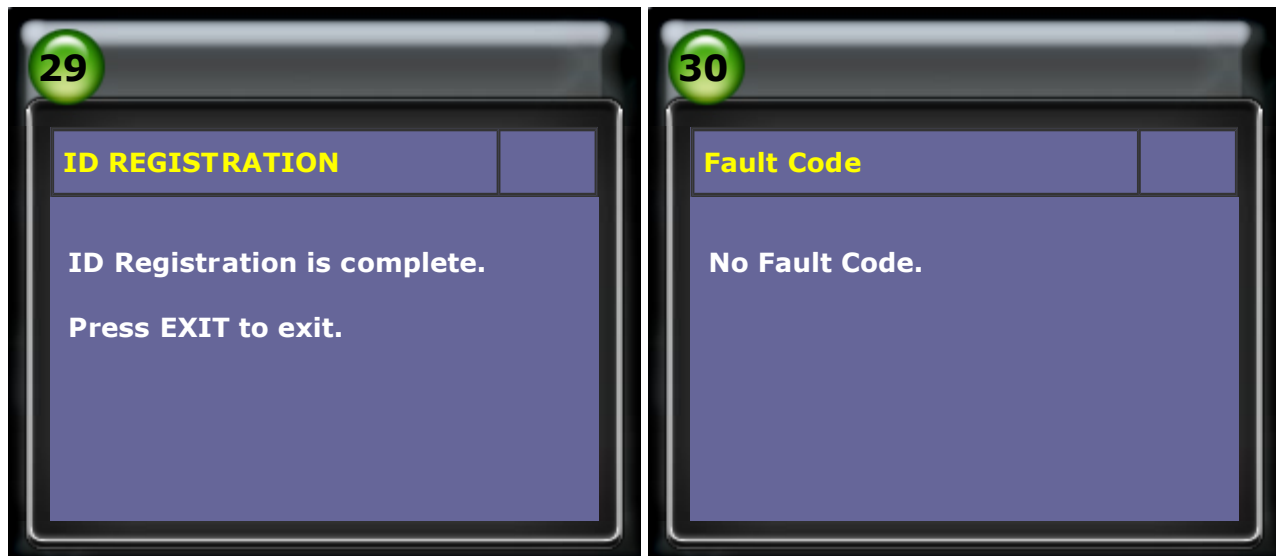
28

ID REGISTRATION

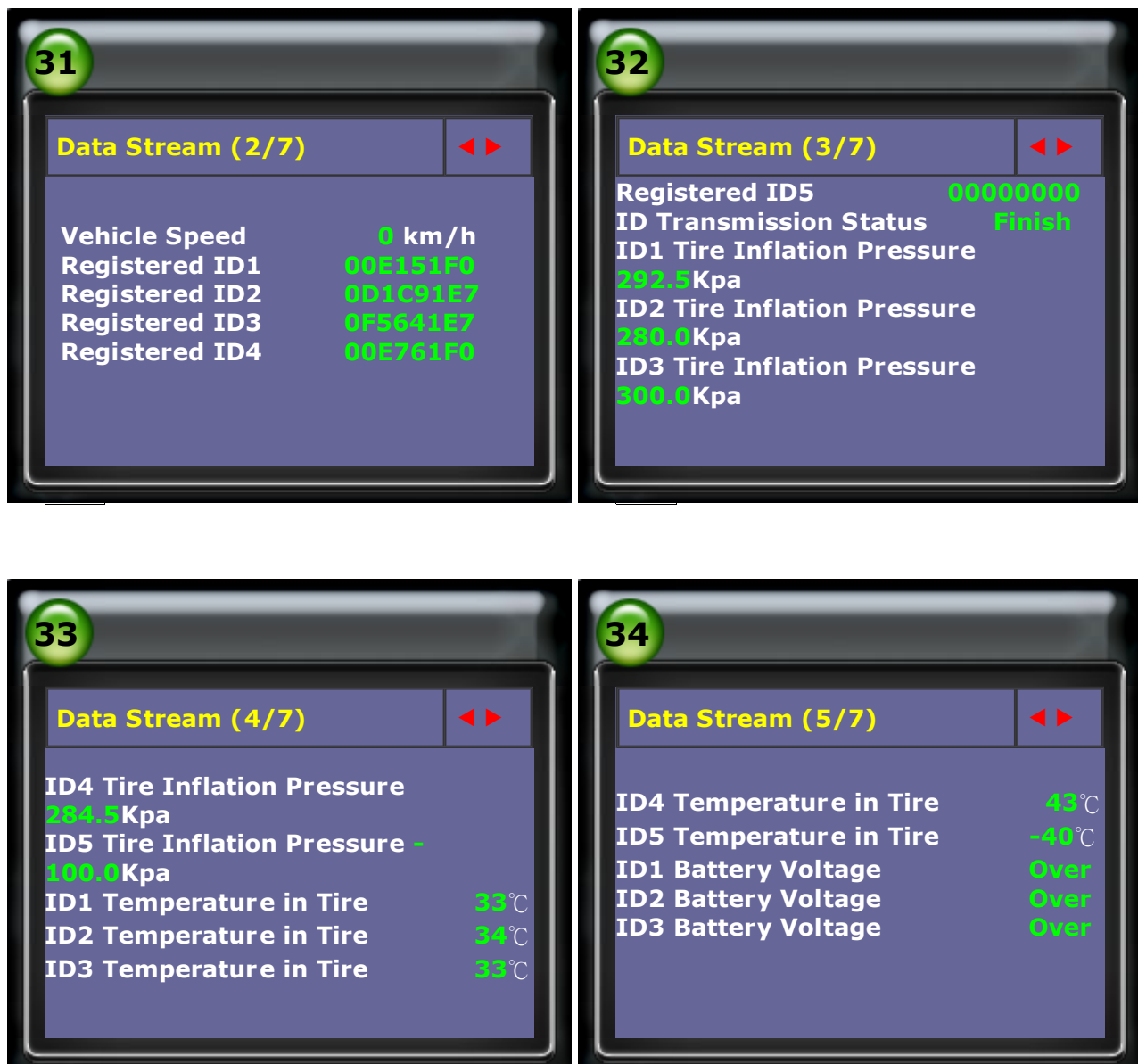
Step 4 of 4

ID Code: 0**0**E761F0
Total Tires: 4
Registered Tires: 4
Time Remaining: 100

14. ID Registration is complete. Check if there is no fault code.

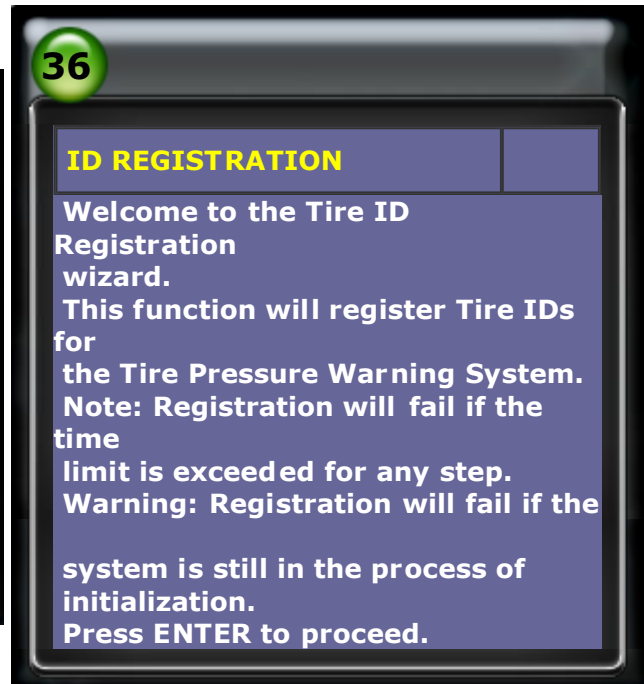


15. After ID Registration, the value of **Tire Inflation Pressure** and the **Temperature in Tire** shows the normal value.

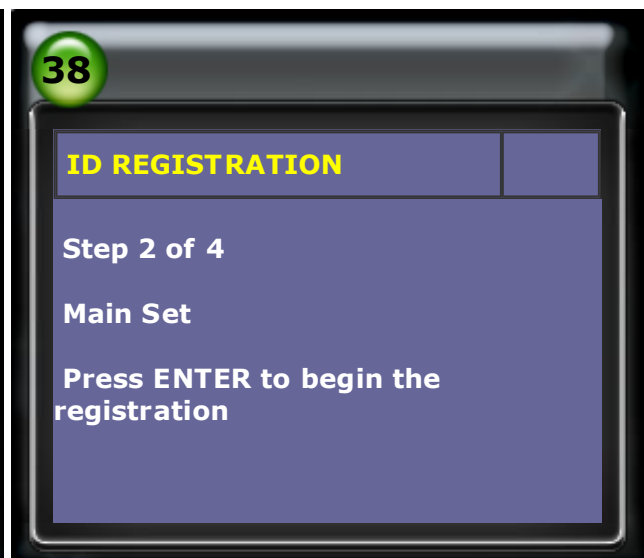


Perform the ID Registration (Color Code)

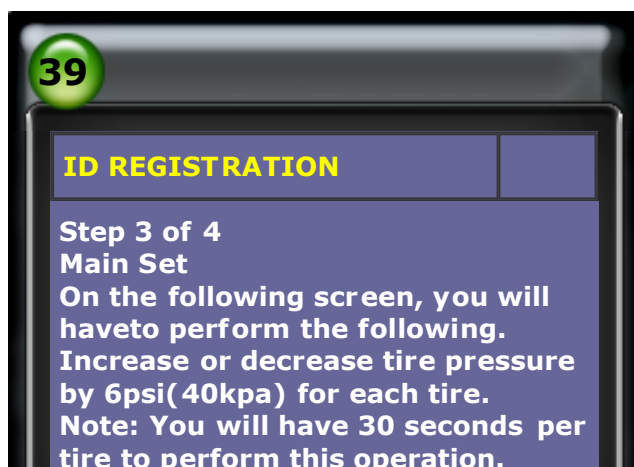
16. Select **ID Registration (Color Code)**, then follow the instructions on screen.



17. Select **Main Set**.



18. Increase or decrease the tire pressure by 6psi(40kpa) for each tire.
There is 30 seconds per tire to perform this operation.



Press ENTER to proceed.

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ID REGISTRATION

Step 4 of 4
Main Set

Registered Tires: 1
Time Remaining: 250

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ID REGISTRATION

Step 4 of 4
Main Set

Registered Tires: 2
Time Remaining: 312

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ID REGISTRATION

Step 4 of 4
Main Set

Registered Tires: 3
Time Remaining: 163

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ID REGISTRATION

Step 4 of 4
Main Set

Registered Tires: 4
Time Remaining: 94

19. ID Registration is complete. Check if there is no fault code.

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ID REGISTRATION

ID Registration is complete.
Press EXIT to exit.

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Fault Code

No Fault Code.

20. After ID Registration, the values of **Tire Inflation Pressure** and the **Temperature in Tire** show the normal value.

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Data Stream (1/5)



Mode Status	Normal
Main Tire	4
2nd Tire	4
Paint Color of ID1	White
Paint Color of ID2	Gold

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Data Stream (2/5)



Paint Color of ID3	Red
Paint Color of ID4	Blue
Registered ID	ALL
Select Switch	Main
Vehicle Speed	0
km/h	

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Data Stream (3/5)



ID1 Tire Inflation Pressure	285 Kpa
ID2 Tire Inflation Pressure	285 Kpa
ID3 Tire Inflation Pressure	290 Kpa
ID4 Tire Inflation Pressure	295 Kpa
ID1 Temperature in Tire	35 °C

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Data Stream (4/5)



ID2 Temperature in Tire	44 °C
ID3 Temperature in Tire	46 °C
ID4 Temperature in Tire	41 °C
ID1 Battery Voltage	2.682 V
ID2 Battery Voltage	2.829 V