

寬豪科技股份有限公司
KUANHAUR TECHNOLOGIES CO., LTD.

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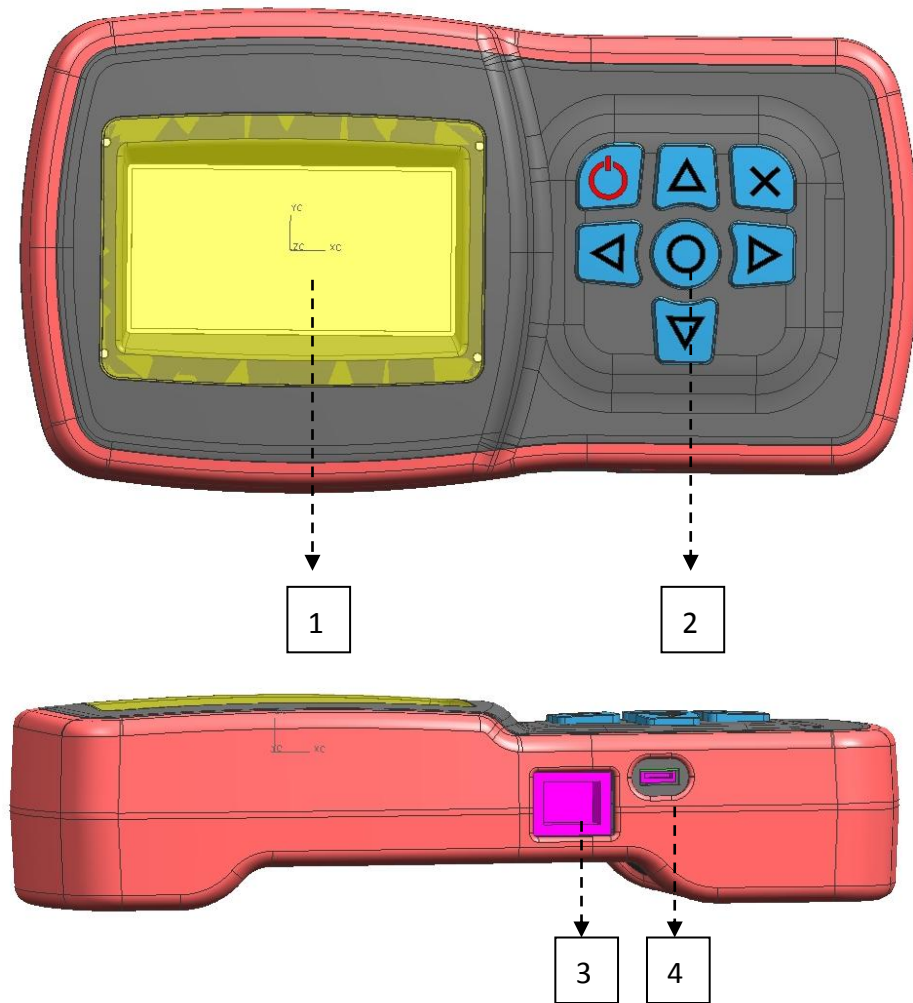
1. Safety Precautions and Warnings

To prevent personal injury or damage to vehicles and/or the scan tool, read this instruction manual first and observe the following safety precautions at a minimum whenever working on a vehicle:

1. Always perform diagnosis or service in a safe environment.
2. Wear safety eye protection that meets ANSI standards.
3. Keep clothing, hair, hands, tools, test equipment, etc. away from all moving or hot engine parts.
4. Operate the vehicle in a well ventilated work area: Exhaust gases are poisonous.
5. Put blocks in front of the drive wheels and never leave the vehicle unattended while running tests.
6. Use extreme caution when working around the ignition coil, distributor cap, ignition wires and spark plugs.
7. These components create hazardous voltages when the engine is running.
8. Keep a fire extinguisher suitable for gasoline/chemical/electrical fires nearby.
9. Put the transmission in PARK (for automatic transmission) or NEUTRAL (for manual transmission) and make sure the parking brake is engaged.
10. Always turn the ignition off before connecting/disconnecting the OBDII Cable to/from the TPMS tool; otherwise it may cause the Malfunction Indicator Light (MIL) to turn on.
11. Refer to the user's manual for the vehicle being serviced and adhere to all diagnostic procedures and precautions. Otherwise personal injury or unneeded repairs may result.
12. Keep the TPMS tool dry, clean, free from oil, water and grease.
13. Use a mild detergent on a clean cloth to clean the outside of the tool when necessary

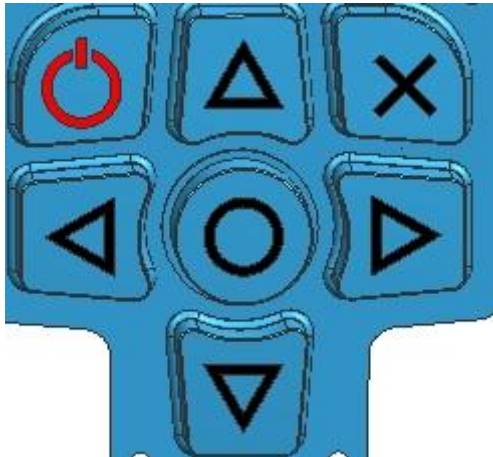
2. Tool Information

2.1 Tool Description



- 1) **LCD Display** – Display the menus and test screens
- 2) **Function Control Button** – choose Tool Function
- 3) **Extended Functionality Port** –Need Connect other device
- 4) **USB Port** – Connect the TPMS tool to PC for software update, data printing or battery charging

2.2 Tool Button Description



- 1)  Power Button – Tool Power On & Off
- 2)  ESC Button – Press to return the previous menu
- 3)  OK Button – Press to get into the selected menu
- 4)     Scroll Button - Press to choose menu

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2.3 Tool specification

Dimensions :	187(7.36")x101(3.95")x43mm(1.7")
Battery :	3.7V, 2600mAh
Communication ports :	USB, RS232
Display :	Graphic LCD 256x128 pixels
Weight :	421g (0.85lb)
Operational temp :	41°F to 113°F
Relative humidity :	70-80%
RF Reception	315 and 433 MHz

2.4 Accessories Included

- 1) **User's Manual** -- Instructions on tool operations
- 2) **USB Cable** -- Allows easy online update, data printing, and power charging via PC connection
- 3) **Charger** -- Charges or recharges the built-in battery

2.5 Battery Charging

The TPMS tool has a 3.7V built-in Lithium-Ion polymer rechargeable Battery. There are two means of battery charging:

- 1) Connect the device and the computer with the USB cable.

IMPORTANT: Charge battery in time, otherwise the test results may be incorrect

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3. SYSTEM SETTING

3.1 Check Sensor information



Press  to in to the previous menu

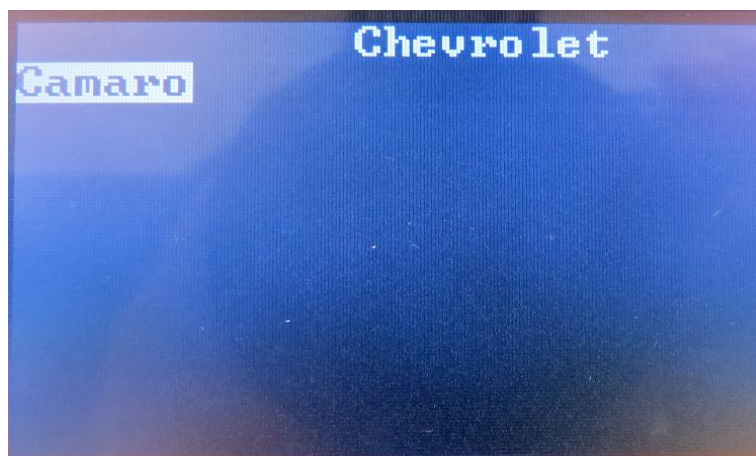
3.1-1 Choose car dealer



Press  to in to the previous menu

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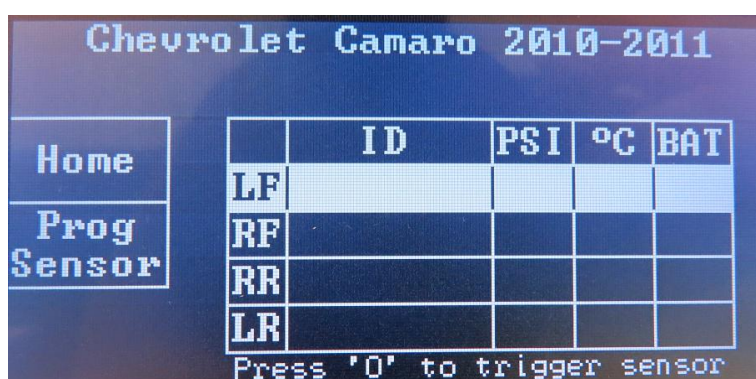
3.1-2 Choose car series



3.1-3 Check the main screen, you can choose the location of the sensor in the car's tire, LF(Left Front),RF(Right Front) RR (Right Rear) LR(Left Rear),



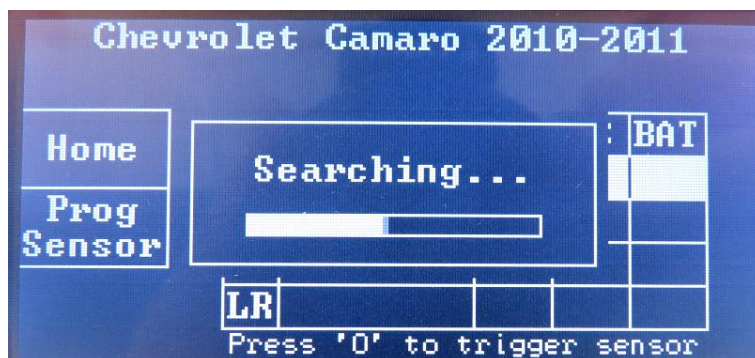
Use the Scroll Button to move the white bar to the corresponding position



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3.1-4 Into the Searching of the main screen



3.1-5 Get Sensor Information

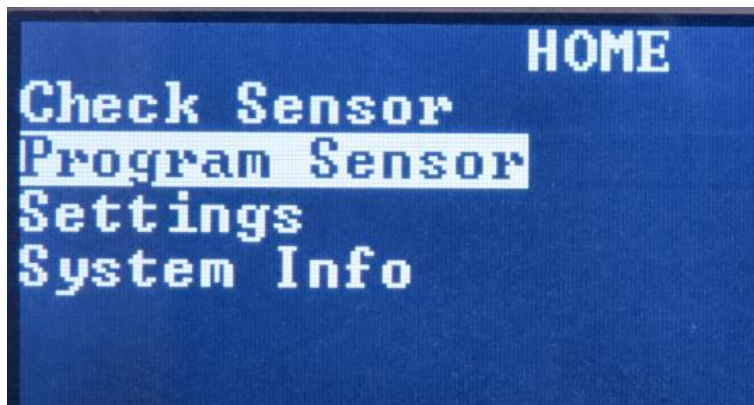


3.1-6 Can move the white bar & jump directly to the desired screen

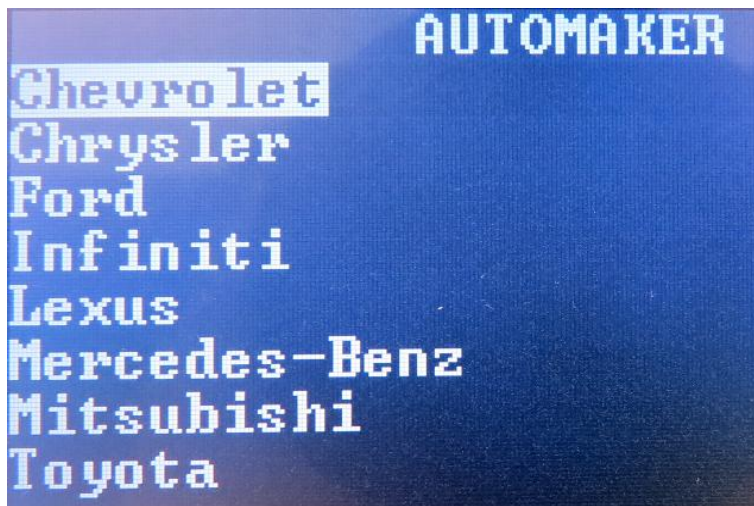
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3.2 Program Sensor

3.2-1 Move the white area to Program Sensor item



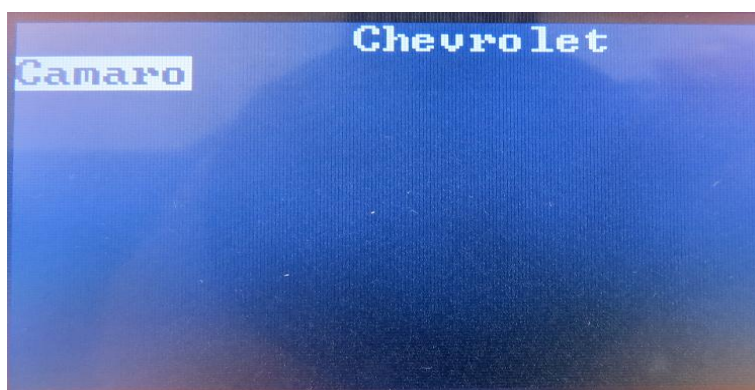
3.2-2 Choose car dealer



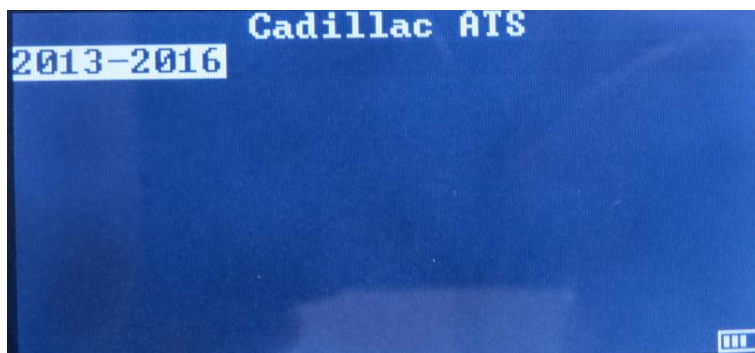
Press  to in to the next menu

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3.2-3 Choose car series

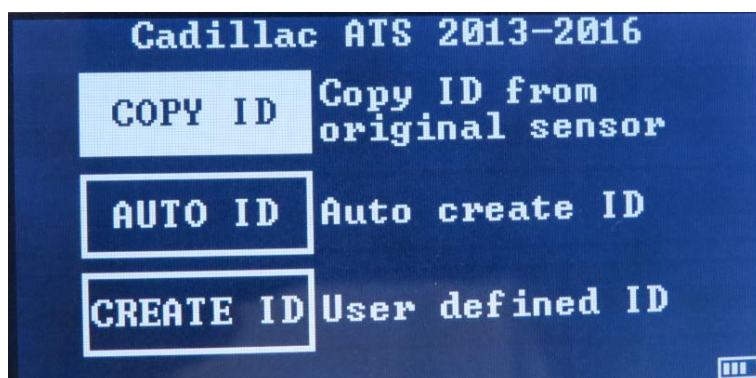


3.2-4 Choose car year item

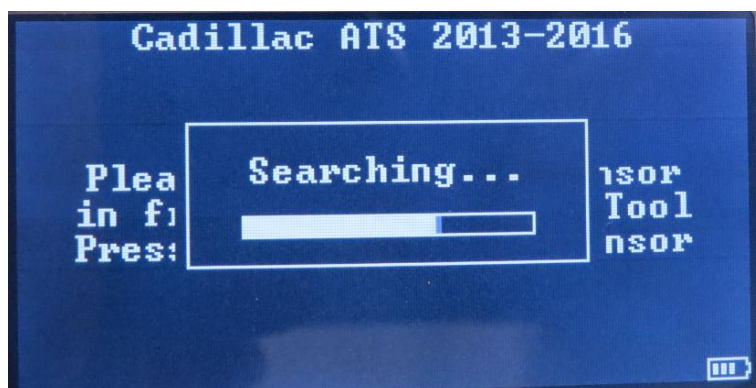


3.2-5 Copy ID from original sensor

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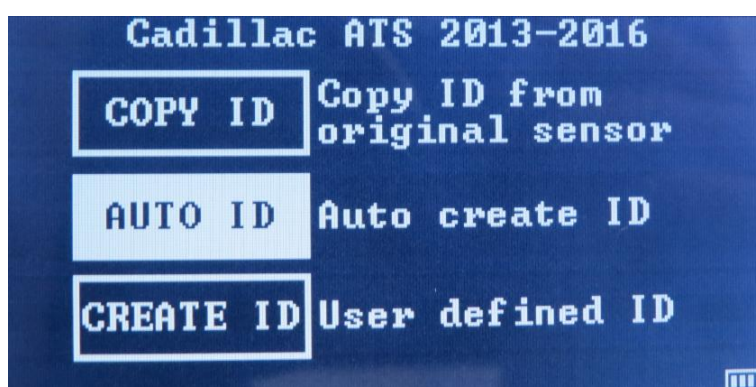


3.2-5 Searching & Get original ID information

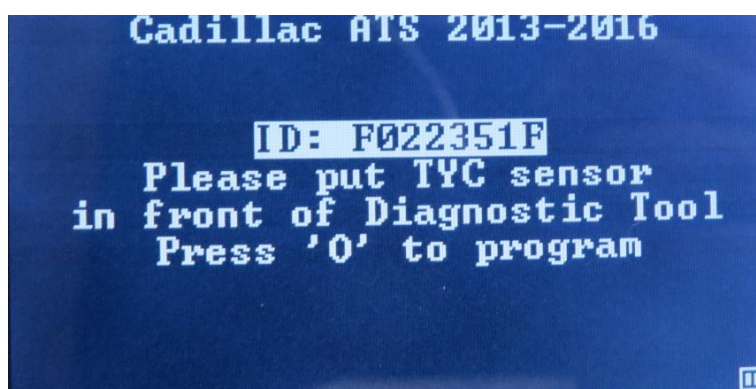


3.3 Auto create ID

3.3-1 Auto ID

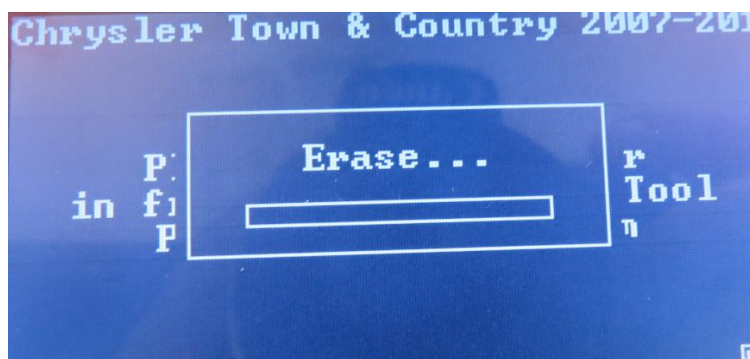


3.3-2 The system will generate a group of ID in the white place automatically.
Press the confirmation key to start Program.

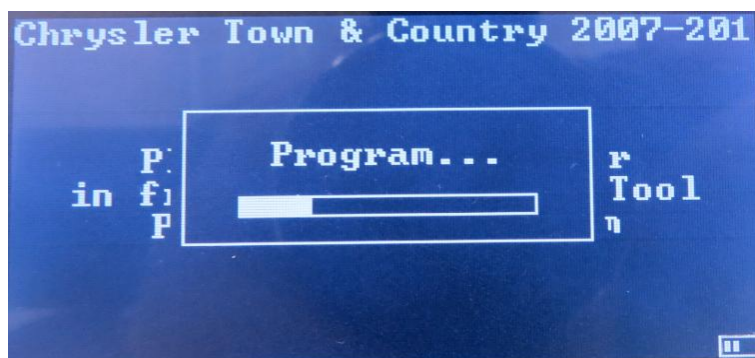


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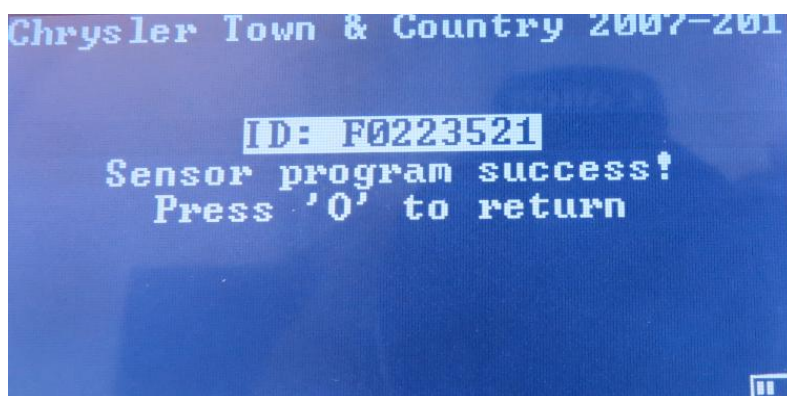
3.3-3 Clear Sensor internal data



3.3-4 Program Sensor



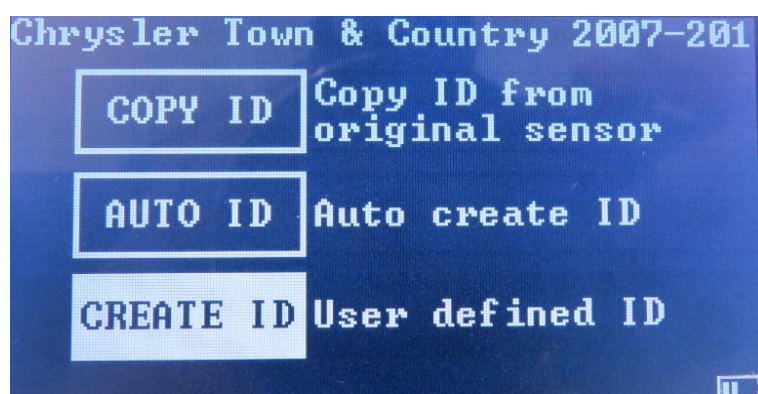
3.3-5 Program Sensor OK & Finish



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3.4 Create ID

3.4-1 User defined ID

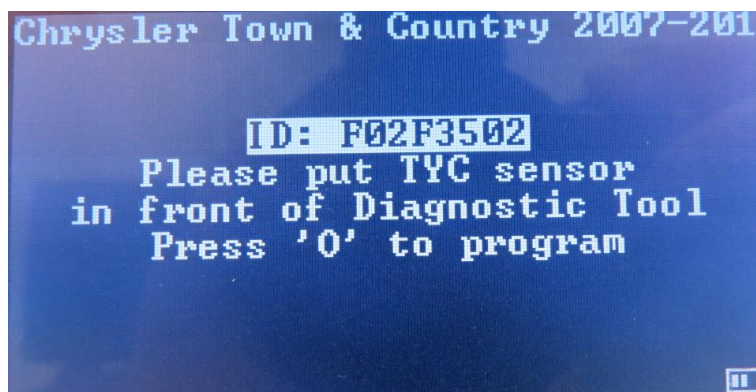


3.4-2  Use the Scroll Button to move the white bar to the corresponding position

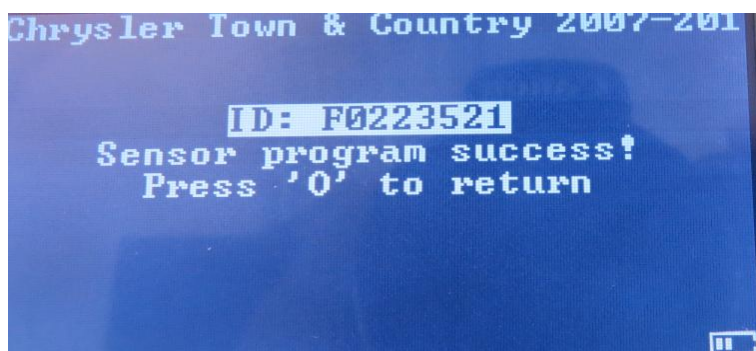
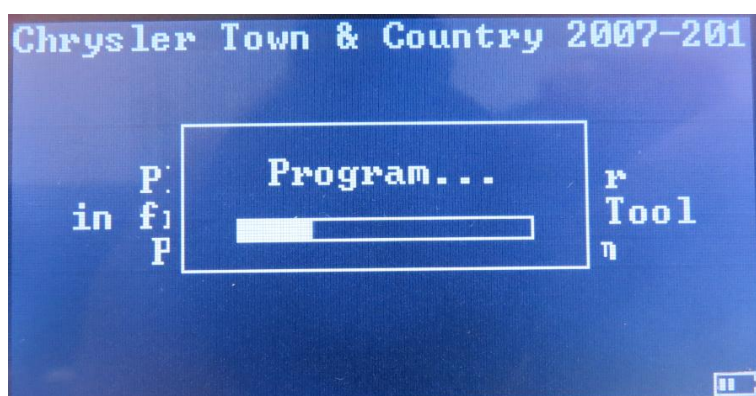


3.4-3 Check ID number

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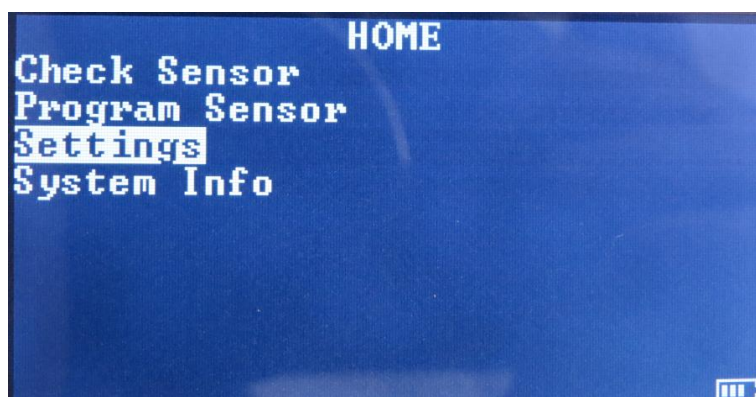


3.4-4 Program Sensor OK & Finish

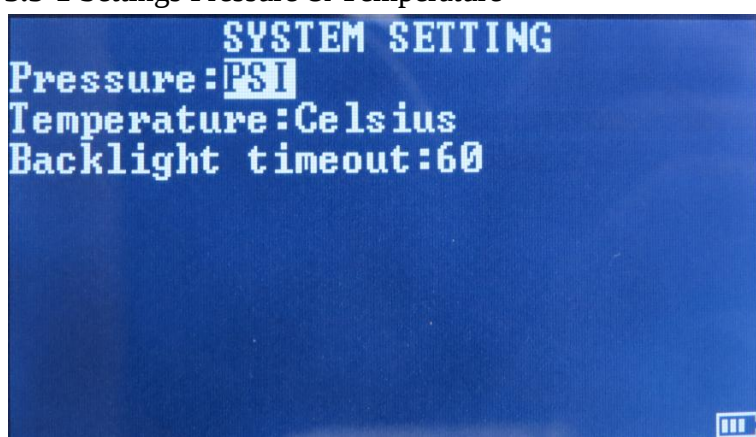


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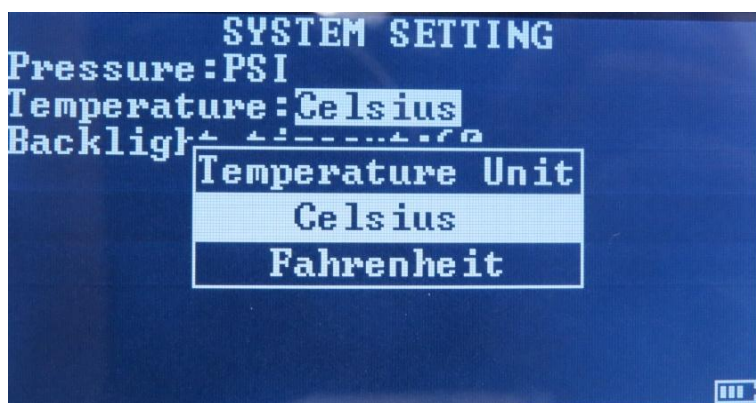
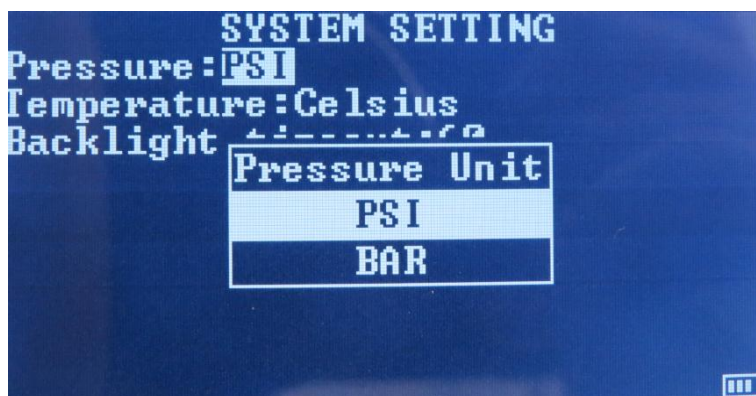
3.5 Settings Tool



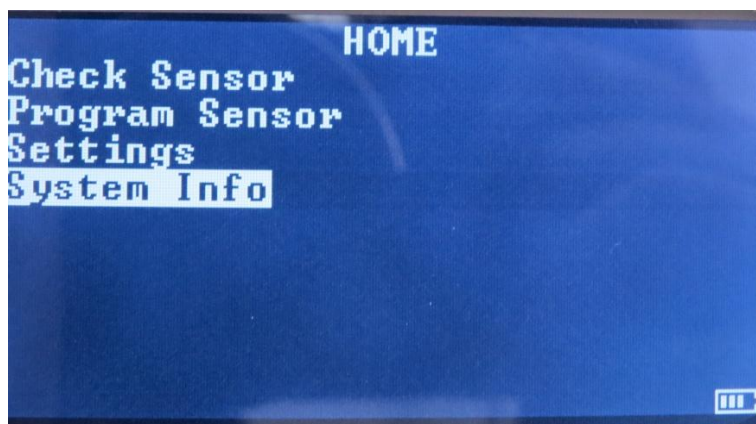
3.5-1 Settings Pressure & Temperature



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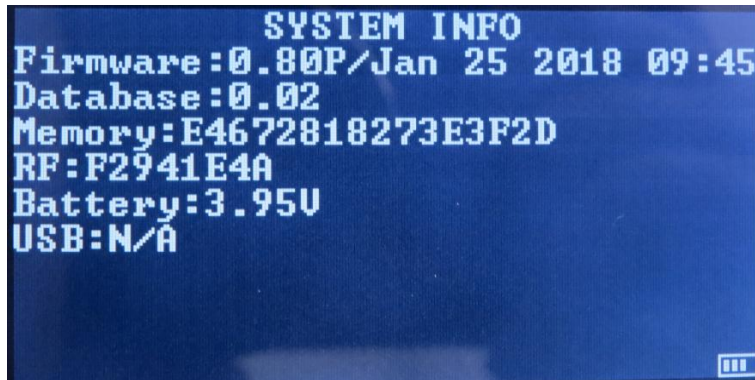


3.6 System Info



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WARNING

TYC Tool Pressure Sensors and Valves are for professional installation only. Read all instructions, warnings carefully, and review all illustrations before installing. Tire Pressure Monitoring System tool assemblies are replacement or maintenance parts for motor vehicles that have factory installed TPMS only. Failure to follow installation instructions may result in the failure of the motor vehicle TPMS sensor to operate properly. TYC does not assume any liability in case of faulty installation.

FAILURE TO FOLLOW INSTALLATION INSTRUCTION CAN CAUSE THE TYC TIRE PRESSURE SENSORS TO MALFUNCTION, WHICH CAN CAUSE PROPERTY DAMAGE, SERIOUS INJURY AND EVEN DEATH.

CAUTION

- Each TYC tool is designed and manufactured to operate in blank at initial status
- Use the proper frequencies to communicate with the motor vehicle TPM System
- Be sure to configure TYC sensor with appropriate programming tool before use.
- Follow the installation instructions for TYC Tire Pressure Sensors.
- The valve must be replaced during every tire change.
- Do not install TPMS in damaged wheels.
- TYC sensor is using fixed valve angle, avoid sensor housing have any contact with the rim.
- When installing with rubber valve, do not coat the sensor with tire bead lubricant.
- Upon completion of installation, test the motor vehicle TPM System with procedures described in original manufacturer's service manual.
- If the TPM System fails to operate properly, check all installation procedures to ensure proper installation and retest.
- If the TPM System continues to fail to operate, immediately consult with an authorized motor vehicle dealership.
- TYC TPMS sensor assemblies are designed to operate in Original Equipment wheels and tires only.

TYC WARRANTY and WARRANTY LIMITATIONS

All products sold are warranted against defects in workmanship and material under normal use and service for a period of 3 years from the date of sale to distributors. TYC will either repair or replace any product which fails within this period at no cost to customers. This warranty does not include any accident, modification, misuse or abuse to this product and the limited obligations will hereunder be void. THIS IS THE SOLE AND EXCLUSIVE WARRANTY AND LIABILITY TO CUSTOMER. TYC GENERA DISCLAIMS ANY OTHER WARRANTY INCLUDING THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR PURPOSE FOR OTHER IMPLIED OR EXPRESS WARRANTIES. UNDER NO CIRCUMSTANCES SHALL TYC BE LIABLE TO CUSTOMER FOR ANY OTHER AMOUNTS INCLUDING LABOR CHARGES FOR INSTALLATION OF PRODUCTS NOR SHALL TYC BE LIABLE UNDER ANY THEORY FOR ANY OTHER DAMAGES INCLUDING BUT NOT LIMITED TO DIRECT, INDIRECT, SPECIAL, CONSEQUENTIAL AND INCIDENTAL DAMAGES.

IMPORTANT WARRANTY INFORMATION

Professional installer: when replacing an entire TYC Sensor assembly, please complete the following warranty information giving one copy to the customer and send the duplicate copy to the indicated address.

CUSTOMER TYC TPMS SENSOR INFORMATION CARD (Please keep in motor vehicle glove box)

Sensor Installation Date: (M) _____ / (D) _____ / (Y) _____ Professional Installer name: _____
Place of Repair: _____ Address: _____

Phone: _____ Vehicle Owner Name: _____ Address: _____

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MOTOR VEHICLE INFORMATION

Maker: _____ Model: _____
Year: _____ VIN Number: _____
Sensor ID (___digit marked on housing): _____

TYC GENERA
2800 Saturn Street, Brea, CA 92821 USA
Tel: (714) 203-0800
Tech. Support
Tel:
Email:
<http://www.tycusa.com/>

----- (Tear here) -----

IMPORTANT WARRANTY INFORMATION

To activate warranty, please complete the following section and send to:
TPMS Sensor Warranty TYC GENERA • 2800 Saturn Street, Brea, CA 92821

Sensor Installation Date: (M)____/(D)____/(Y)____ Professional Installer name: _____ Place of Repair: _____

Vehicle Owner Name: _____ Address: _____

MOTOR VEHICLE INFORMATION

Maker: _____ Model: _____ Year: _____ VIN Number: _____
Part number of sensor being replaced (take from old sensor housing): _____

FCC Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rule.

These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Caution

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This device and its antenna(s) must not be co-located or operating in conjunction with

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any other antenna or transmitter.

FCC Notice

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and(2) this device must accept any interference received, including interference that may cause undesired operation.

NCC Notice

◆第十二條→經型式認證合格之低功率射頻電機，非經許可，公司，商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。

◆第十四條→低功率射頻電機之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應立即停用，並改善至無干擾時方得繼續使用。

前項合法通信，指依電信法規定作業之無線電通信。 低功率射頻電機須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。