PUR-TPMS
User Guide

Manufactured By CUB Elecparts Inc.

Distributed By

TIRE RACK WHOLESALE

To ensure correct operation and service, please read the following instructions carefully before operating the PUR-TPMS Scan Tool and/or installing the PUR-TPMS Sensor(s).

Table of Contents

Important Notice:
CUB-PUR tire pressure monitoring sensors do not function on all vehicles. Please call the United States Distributor of CUB-PUR TPMS products (800-596-5090) with any vehicle application inquiries.

PUR-TPMS

The system consists of PUR-TPMS Scan Tool and PUR-TPMS Sensors. The sensors can be programmed for compatibility with a wide range of vehicles that are equipped with factory TPMS.

PUR-TPMS Sensors are universal in application and replace most factory O.E. sensors. The PUR-TPMS Sensors are ***not*** compatible with aftermarket TPMS. The PUR-TPMS Scan Tool is ***not*** compatible with retro-fitted TPMS and will ***not*** scan aftermarket retro-fitted sensors. The protocols for different makes of vehicles can be programmed into the PUR-TPMS Sensors which will be recognized by the vehicle's receiver.

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.
2. This device must accept any interference received, including interference that may cause undesired operation.

This device has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This device 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 device causes 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 or more of the factoring measures:

- Reorient or relocate the receiving antenna.
- Increase the separation distance between the device and receiver.
- Connect the device into an outlet on a circuit different from that to which the receiver is connected.

Caution
Any changes or modifications in construction of this device which are not expressly approved by the party responsible for compliance could void the user's authority to operate the device.

To comply with FCC RF exposure compliance requirements, this device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter.

Scope of Use and Warnings
This PUR-TPMS Sensor is a sensing device designed to measure and display tire operation and/or to alert the driver when air pressure and temperature irregularities are detected. It is the responsibility of the driver to react promptly. Abnormal tire inflation pressure should be corrected at the earliest time possible.

System Installation and Usage
Programming the sensor requires a qualified technician who has been trained to operate the PUR-TPMS Scan Tool. The sensor can be programmed only with the PUR-TPMS Scan Tool. It cannot be programmed with any other tools.

Installation of the sensor onto the wheel must be done by professional technicians who have been trained to install TPMS sensors.

Reacting to Alerts
When an alert or warning is displayed or sounded, reduce vehicle's speed and proceed slowly to a safe location to have the tire inspected and serviced.

The low/high pressure alert indicates the tire pressure is not within the factory's set limits and the high temperature alert indicates that the tire's temperature has surpassed the factory's set limits.

Use of Chemicals
During tire inflation, any use of internal sealants and propellants may affect the operation of the sensor/transmitter. The use of such chemicals is not recommended and the product's warranty will be void if the sensor comes in contact with them.

PUR-TPMS Scan Tool Function Buttons

I/0 .....On / Off

Up.....Scroll page up (next page)

Down.....Scroll page down (last page)

Esc .....Escape

Enter.....Center button

Low Bat.....Battery power low

Charge .....Lit during charging. Light turns off when batteries are fully charged

Getting Started

Charger
Please use the charger that is provided, which is direct current 14–18 volts. Input current is 100–250 volts AC.

Battery Charging
The tool uses six-AA rechargeable lithium batteries. When the ***Low Bat*** light is lit, recharge the tool for 2.5–3.5 hours. During charging, the ***Charge*** light will be lit. When charging is complete, the light will automatically turn off. Disconnect the charger when charging is finished.

Caution
The batteries may become hot during charging. Do not charge near or around open flames or in places with high temperature.

On/Off
To turn the tool on, press ***I/0*** for two seconds and the screen will display the welcome message. After operating the tool, press ***I/0*** for two seconds to turn the tool off. When no operations are being performed, the tool will automatically shut off in two minutes.

PUR-TPMS Scan Tool Programming Instructions

Welcome Image

Main Menu

Two functions in Main Menu:

1. To select a vehicle model
2. To update the latest software edition into the tool
   (See page 18 for more details)

Use the ***Up*** and ***Down*** buttons to select; press ***Enter*** (center button) to go onto the next selection list.

1

2

Select a Vehicle (Make)

To select a vehicle make, press ***Up*** and ***Down*** to select, ***Enter*** to go on to the next step, or press ***Esc*** to go back to previous menu.

Select a Model

When the make is decided, select a specific model on this menu and press ***Enter*** to go on to the next step, or press ***Esc*** to go back to previous menu.

Select a Year

Press ***Up*** and ***Down*** to select the vehicle's year. Press ***Enter*** to go on to the next step, or ***Esc*** to go back to previous menu.

PUR-TPMS Programming Function Menu

Three choices for sensor functions:

1. Scan

Used when scanning O.E. or programmed CUB sensors. The function is also used when activating the sensor for certain vehicle's registration procedures.

1

2. Copy Sensor

Used to clone an existing O.E./ CUB sensor into CUB's new sensor. The advantage of this is to replace the sensor directly without having to perform the registration procedure.

2

3. Program Sensor

Used to program a new ID into CUB's new sensor. During the creation of every new ID, each ID will be unique and used only once.

3

Instructions for the three Programming Function Menu choices explained previously on page 9:

1. Scan

(For example: To scan a Cadillac Escalade O.E. sensor.)
Put the O.E. sensor at the top of tool, select ***Search Sensor ID*** and press ***Enter***.

Select ***Scan*** and press ***Enter.***

If the scanning process works, you will see the screen shown below to the right with the sensor information shown; or if nothing is detected, it will exit to the previous screen.

The same procedure can be followed when scanning a programmed CUB sensor, as long as the make, model and year is known.

Follow the pictures below to ensure you are correctly using the tool. Pay attention to the correct direction and position when triggering the sensor in the tire.

Make sure the tool is close to the valve, and the front end of the tool leans on the tire, but not the wheel.

2. Copy Sensor

Select ***Copy Sensor*** and you will see two choices:

2a. Search Sensor ID

This function is used when you would like to clone an existing O.E. or CUB sensor. This is useful when an end user has two sets of wheels/tires. The user will be able to have two identical sets of sensors, eliminating the need for a registration procedure to be done every time a wheel swap has occurred. This function is also beneficial when a sensor has been physically damaged, but still electronically functions. That ID code can be transferred into the new programmed CUB sensor and installed without having to follow the registration procedure which may sometimes be time consuming.

2b. Input ID

This function allows the user to manually enter an existing sensor's ID code in case the original sensor's electronics had been damaged.

Detailed Instructions for the Copy Sensor (Page 13)

2a. Search Sensor ID

Put the O.E. sensor at the top of tool, select ***Search Sensor ID*** and press ***Enter***.

When the screen shown below to the right is displayed, two beep tones will sound to confirm the sensor has been successfully detected and the ID will be shown on the screen. Press ***Enter*** (as instructed on the screen) to program the ID into CUB's sensor. To do this, put the CUB sensor at the top of the tool and press ***Enter***.

Important Notice:
Please put other sensors at least 15 feet away or there might be some interference and the incorrect sensor may be programmed.

The screen shown here will be displayed while programming.

When the screen shown below to the right appears and two beep tones are heard, the process has been performed successfully.

To double check if this is indeed what you need, press ***Esc*** to go back to the operation menu and scan the sensor again. Check the ID numbers and relative information to see if the ID is correct. If not, repeat process previously explained on page 10.

Detailed instructions for the Copy Sensor Input ID (2b) continued next page.

2b. Input ID

Manual ID input is shown here. Press Up or ***Down*** to select, press ***Esc*** to cancel, and press ***Enter*** to select numbers or letters. Different ID digital rules are set to different type of sensors depending on the make, model and year of vehicle. Therefore, the ID setup processes are different, too. Specific operating processes are determined on the screen. After the correct ID numbers are entered, Screen 1 will be displayed.

Screen 1

When you see Screen 2, you can proceed with sensor programming. Place the CUB PUR-TPMS Sensor at the top of the tool and press ***Enter***.

Important Notice:
Please put other sensors at least 15 feet away or there might be some interference and the incorrect sensor may be programmed.

Screen 2

When "Program Succeed..." is displayed on the screen and two beep tones are heard, the sensor has been programmed successfully.

Just as mentioned on page 15, you can go back to the ***Scan*** function menu to double check if the ID downloaded is correct.

3. Program Sensor

Put the sensor at the top of the tool for further programming steps. Select ***Program Sensor*** by pressing ***Enter*** and you will see Screen 1.

If the sensor is successfully programmed, you will see Screen 2 and hear two beep tones.

After the programming process is done, fit CUB's new sensors into the wheels and you can perform the vehicle's sensor registration procedure. Refer to the vehicle's owner's manual for the registration procedure.

Important Notice:
During programming and resetting, keep other sensors at least 15 feet away from each other to eliminate any interference.

Screen 1

Screen 2

Update the Tool

Connect the tool to a computer using the USB cable provided. To get started, you need to download the driver onto your computer by using the CD that is provided in the kit. Go to CUB's website: ***www.cubelec.com.tw*** Click the ***Download*** tab, then click ***PUR-TPMS Tool Update***. Then follow the steps provided online.

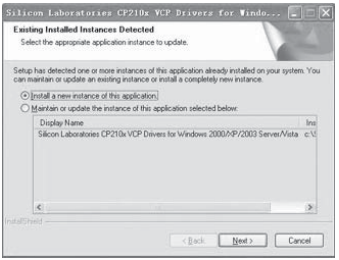
If questions arise, consult your CUB dealer. Trained technicians will be able to answer all your questions.

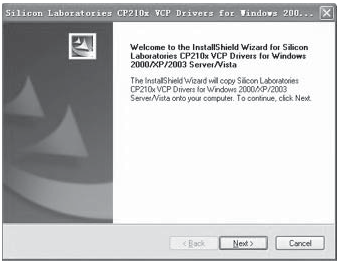
To Install USB Starter Drive:

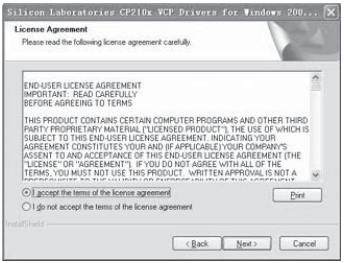
1. Double click on ***CP210X_VCP_WIN2K***

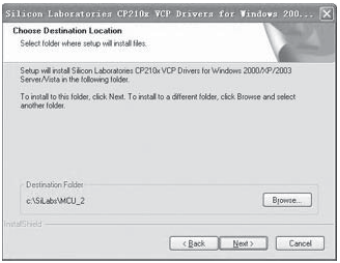
   Select ***Install a new instance of this application.***

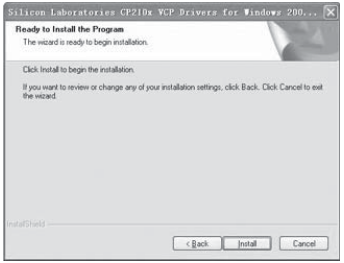
Click ***Next*** and the following displays will appear in sequence:



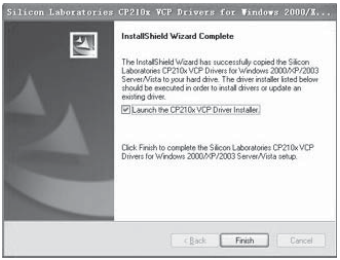




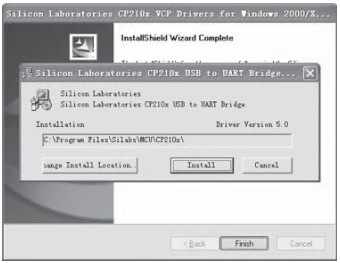




Check the ***Launch the CP210x VCP Driver Installer*** box, then click ***Finish.***

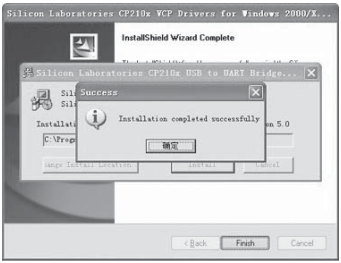


The following display will appear.



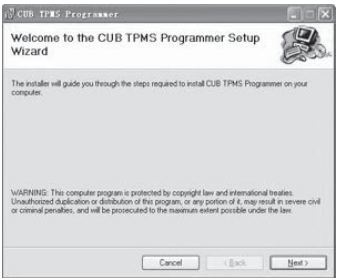
Click ***Install***, and the following screen will be shown after the installation is completed.

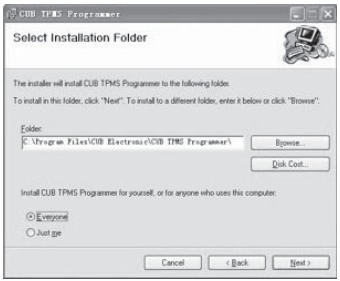
The USB driver is now installed successfully.

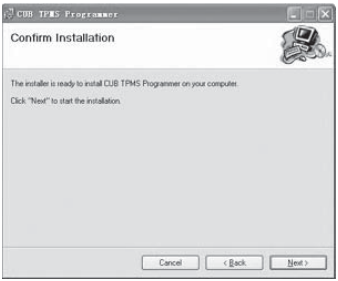


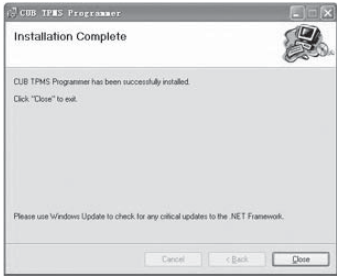
To install the CUB TPMS Programmer, double click the icon labeled ***CUBprogrammerSETUP***

The following screens will appear.
Click the ***Next*** buttons until installation is complete.





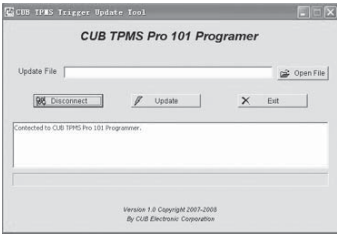




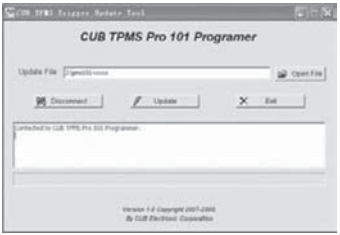
The main program is now installed successfully.

Connect the tool to your computer by using the USB cable provided in the tool kit to upgrade the program to include new vehicle applications.

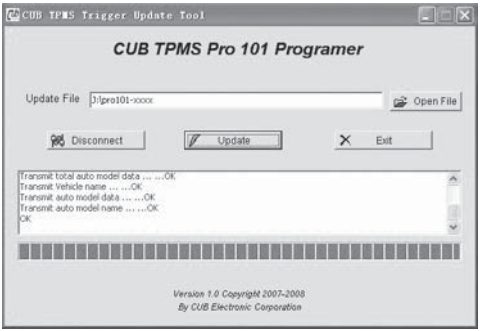
Press ***Connect*** under the tool in power on/power off status. The following screen will appear on your computer.



Click ***Open File***, and select the file ***PRO101-XXXX***



Make sure the tool is turned on and enter the update level, then press the tool's center button. Click ***Update*** on the screen displayed on your computer to start the data updating. After it finishes updating, the tool will beep twice, and the following screen will appear on your computer.



The updating process is now complete.

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