BOSCH

USER GUIDE

TPA 300

Version BTPA1-7-1949

Reference: UM-BTPA1-6

REVISION OF THE TPA 300 GUIDE

Due to continuing improvements, the information contained in this user manual, the features and design of this device are subject to be changed without prior notice.

Edition/ Revision	**Reference**	**Date** (week/year)	**Chapters updated**
First edition	UM-BTPA1-7	07/2020	Firmware version BTPA1-7-1949.13.

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TPA 300 INTRODUCTION

1. SPECIFICATIONS

Battery Type:	3.000 mAh rechargeable lithium-polymer battery.
Battery Life:	Approximately 300 activations per full charge.
Dimensions (Max. L,W,D):	178.9 mm x 99.7 mm x 35.8 mm (7.04” x 3.92” x 1.40”).
Case Material:	High Impact ABS.
Response Frequency:	Main frequencies: 315 MHz and 433.92 MHz.
Low Battery Indication:	LCD bar graph display.
Weight:	Approx. 328 grams (0.72 lbs.)
Temperatures:	Operating: -4° F to 131° F (-20° C to +55° C). Storage: -40° F to 140° F (-40° C to +60° C).
Operating Altitude:	Up to 6560 ft (2000 m)
Screen:	2.8” display
Warranty:	1 year

Product content:

- TPA 300 Tool
- QuickStart Guide
- Universal charger
- USB-B cable
- USB key with User Manual
- Carrying case

2. IMPORTANT SAFETY INSTRUCTIONS

Do not discard. Retain for future reference.

This device complies with Part 15 of the FCC Rules

Operation is subject to the following two conditions:

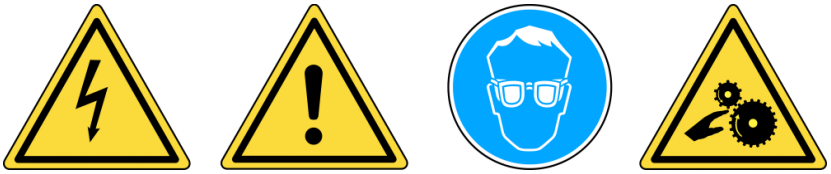
(1) This device will not cause harmful interference, and

(2) This device will accept any interference received, including interference that may cause undesired or improper operation.

WARNING: This product emits electromagnetic and electronically generated waves that may interfere with the safe operation of **pacemakers**.

Individuals that have pacemakers should never use this product.

WARNING:



Do not use on live electrical circuits.

Must read instructions before use.

Wear safety goggles. (User and bystanders).

Risk of entanglement.

Read the Warranty, Safety and Recycling information at the end of this user guide.

3. CAUTION

READ THESE INSTRUCTIONS BEFORE USING

Your Tire Pressure Monitoring (TPM) tool has been designed to be durable, safe, and reliable when properly used.

All **TPMS TOOLS** are intended to be used only by qualified and trained automotive technicians or a in light industrial repair shop environment. Please read all instructions below before using. Always follow these safety instructions. If you have any questions pertaining to the safe or reliability use of this tool, please call your local dealer.

Vehicle specific information in this manual is used as an example and may not represent specific instructions each make and model may require. When performing various functions with the tool, it is important to refer to the on-screen prompts and/or repair manual information.

1. Read All Instructions

All warnings on the tool and in this manual should be adhered to. All operating instructions should be followed.

2. Retain Instructions

The safety and operating instructions should be retained for future reference.

3. Heed Warnings

User and bystanders must wear safety goggles and must read instructions before use. Do not use on live electrical circuits, risk of entanglement.

4. Cleaning

Clean with a soft dry cloth, or if necessary, a soft damp cloth. Do not use any harsh chemical solvents such as acetone, thinner, brake cleaner, alcohol, etc as this may damage the plastic surface.

5. Water & Moisture

Do not use this tool where contact or immersion in water is a possibility. Never spill liquid of any kind onto the tool.

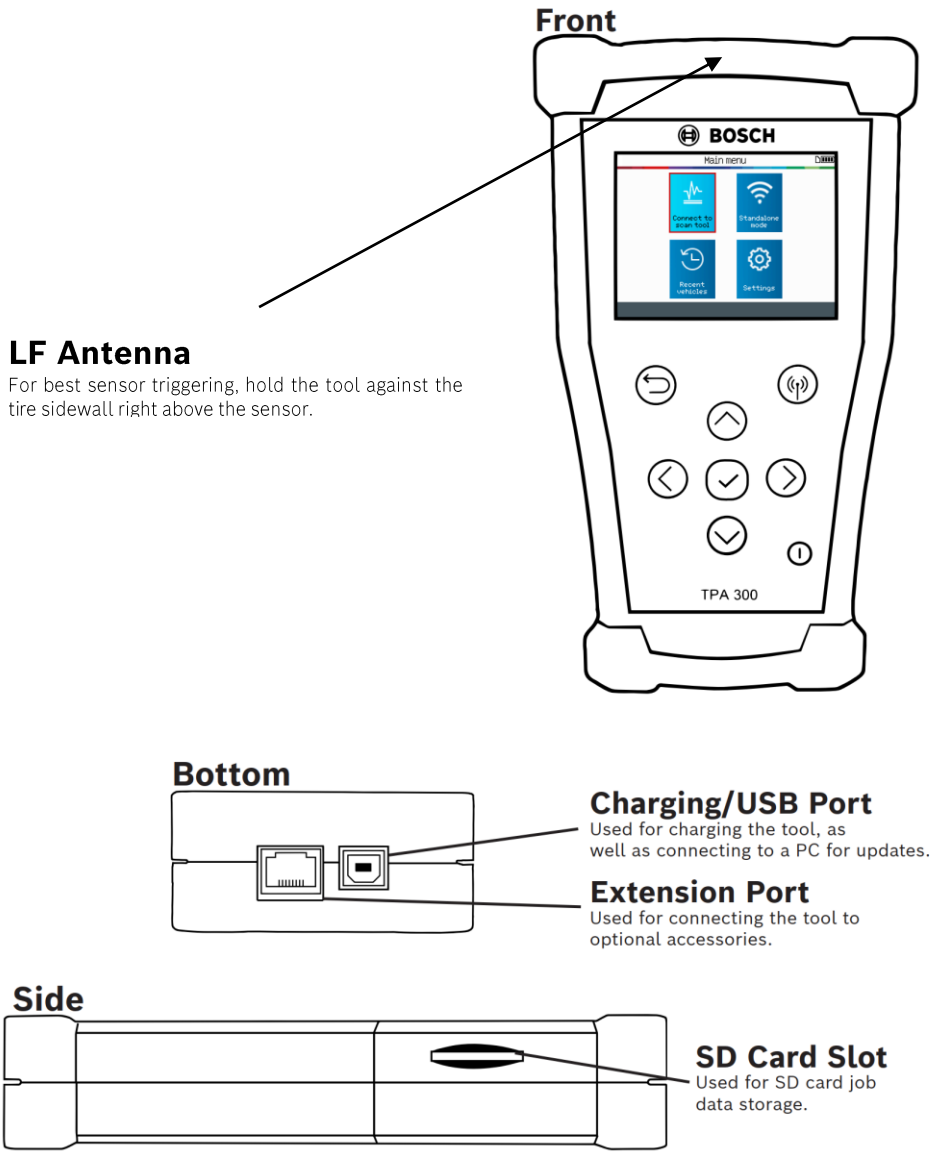
6. Storage

Do not use or store the tool in an area where it is exposed to direct sunlight or excessive moisture.

7. Use

To reduce the risk of fire, do not operate the tool in the vicinity of open containers or flammable liquids. Do not use if the potential for explosive gas or vapors exists. Keep the tool away from heat generating sources. Do not operate the tool with the battery cover removed.

4. TPA 300 OVERVIEW



5. FUNCTION KEYS

	Power ON /OFF switch		Test or trigger sensor.
	Next, continue or confirm.		Cancel, previous step.
	Navigate to select "**up**".		Navigate to select "**down**".
	Navigate to select "**left**".		Navigate to select "**right**".

6. HEADER ICONS

The tool is connected to PC via USB cable.

The tool is connected via Bluetooth to the BOSCH scan tool.

The tool is connected to the optional OBDII module.

SD card is inserted.

Battery status.

7. BOTTOM ICONS

Selecting this icon will take you to the Main Menu.

Selecting this icon will delete the sensor data displayed.

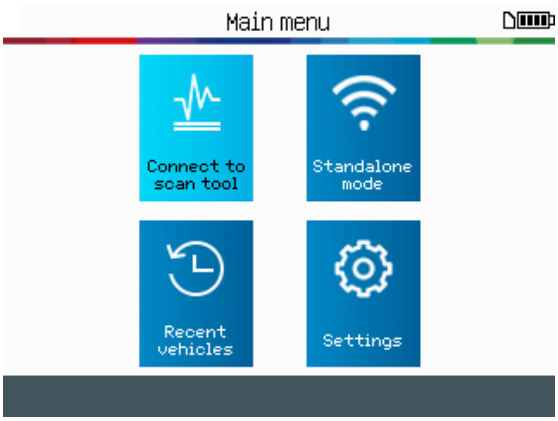
Selecting this icon will allow the user to input the job information.

Selecting this icon will jump to the Program Sensor function.

Selecting this icon will jump to the Key Fob test function.

8. POWER ON

Press the key to turn on the **TPMS TOOL**.



To power off the tool, press and the key for about 3 seconds

9. OPERATING INSTRUCTIONS

9.1. TPA 300 OVERVIEW

The Bosch TPA 300 offers the versatility to work in conjunction with a Bosch scan tool or as a stand-alone TPMS tool, depending of the task you want to achieve.

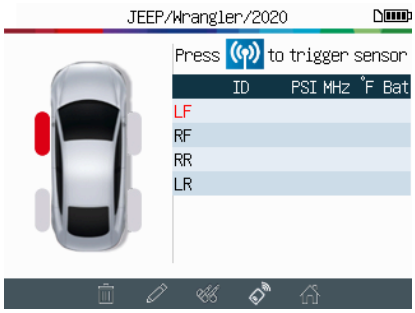
Stand-alone mode can be used to read, program and copy TPMS sensors, test RKE, save and retrieve jobs, and setup the tool.

Connect to scan tool mode offers the ability to connect wirelessly to a Bosch scan tool and to register the TPMS sensors IDs into the vehicle ECU.

9.2. SERVICE PROCEDURE

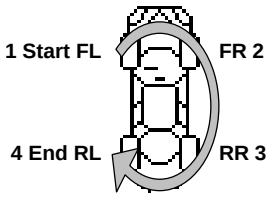
Section 1 - Read Sensor Test

Before servicing the tires/wheels, using your **TPMS TOOL**, trigger each of the vehicle's sensors to make sure they are working properly. You can either use the standalone or the connect to scan tool mode to select the make, model, and year of your vehicle.



I - Select the Make, Model, Year of the vehicle.

II - Hold the tool facing the tire flank near the valve.



III - Read all the sensors starting from front left.

This will eliminate the liability associated with replacing previously damaged or defective sensors. This procedure will not change the vehicle settings because the vehicle has yet to be put into learn mode. This procedure allows you to quickly identify damaged or defective sensors, because some vehicles do not report a damaged or defective sensor condition on the instrument cluster for up to 20 minutes.

***Note**: With some vehicles, if the vehicle is in "learn mode" the vehicle will also confirm that the TPM sensor has communicated to the ECU with a series of horn beeps.*

***Note**: If the sensors do not trigger, please refer to the Troubleshooting section of this Guide.*

For vehicles that require relearn procedure, please see Section 2.

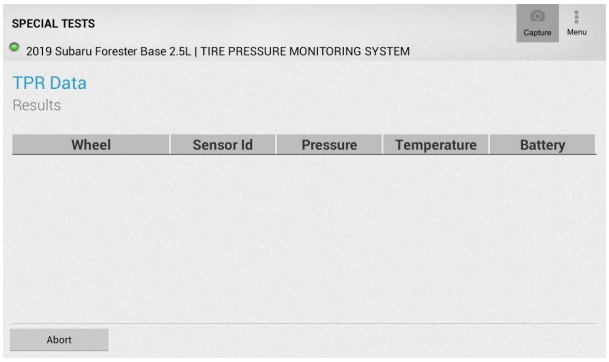
Section 2 – Relearn TPMS system

After selecting the Make-Model-Year of the vehicle, the tool systematically displays which relearn procedure is required for that particular vehicle: automatic, manual or OBDII relearning procedure.

For manual and OBDII relearn procedures, follow the instructions displayed on the tool screen. For vehicles with an automatic relearn procedure, where the TPMS system is automatically reset when driving the car, it is recommended to trigger each wheel sensor one final time, to make sure they are in correct working order.

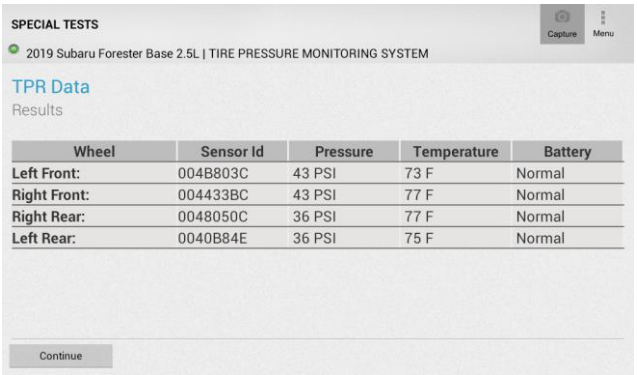
An OBDII relearn requires the use of a Bosch scan tool paired with the TPA 300. Follow the dedicated section in this user manual to do the pairing procedure for the first time. When the two tools are already paired you have to use the “Connect to scan tool” mode from the TPA 300 main menu. All the other steps – except the sensor reading – are made directly from the Bosch scan tool.

I - Put the TPA 300 into “Connect to scan tool” mode.



II - Select the make, model, year of the vehicle from the scan tool menu.

III - With the TPA 300, read all the sensors starting from front left.



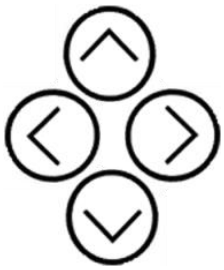
IV - Follow the scan tool on-screen procedure to register the sensors IDs into the vehicle’s ECU.

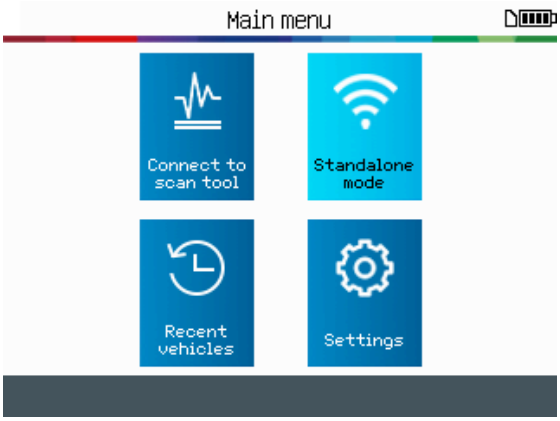
TPA 300 USAGE IN STANDALONE MODE

IMPORTANT:

TPA 300 Standalone mode is used to read, program and copy TPMS sensors, test RKE, save and read recorded jobs, and setup the tool. If you need to register the TPMS sensor IDs into the vehicle ECU you must use the TPA 300 Connect to scan tool mode. See this user manual dedicated section to learn how to operate this mode.

SELECT STANDALONE MODE





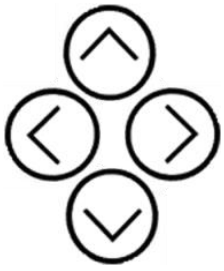
= Continue

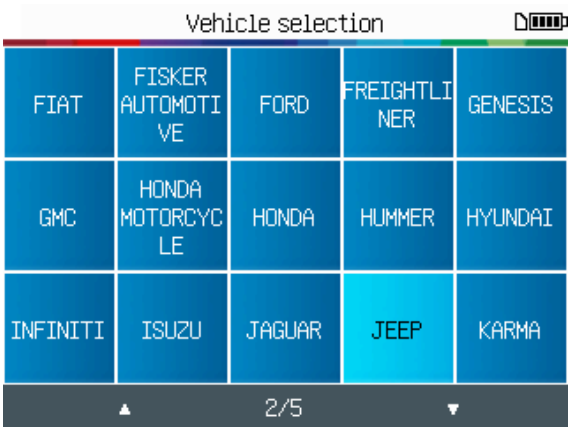
1. CHECK TPMS SENSORS

This mode is to trigger all the TPMS sensors on the vehicle.

***Warning**! For best sensor triggering, hold the tool against the tire sidewall right above the sensor.*

1.1. SELECT CAR MANUFACTURER





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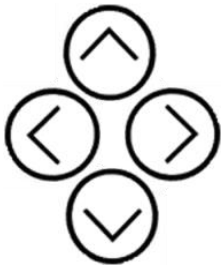
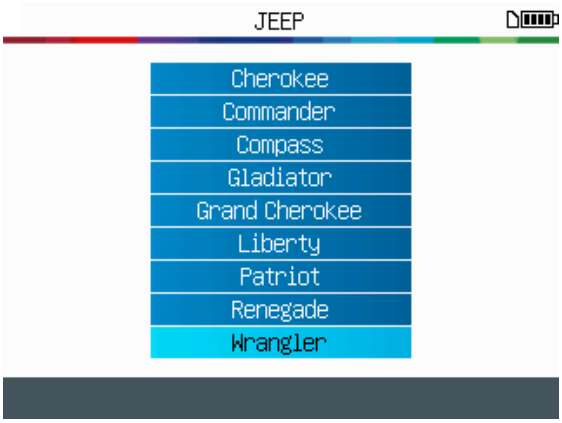
1.2. SELECT VEHICLE MODEL



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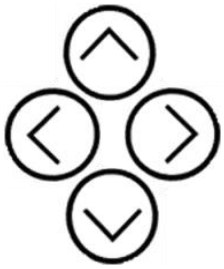
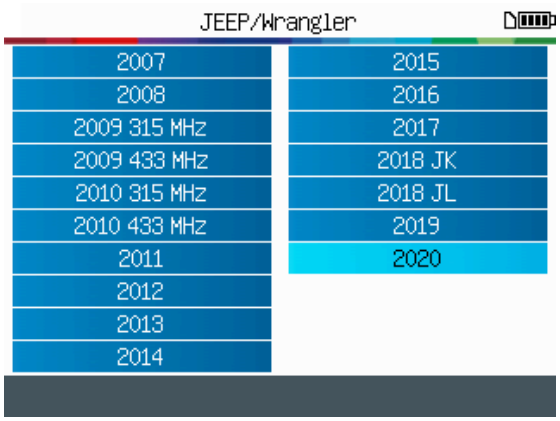
1.3. SELECT YEAR



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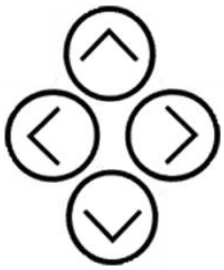
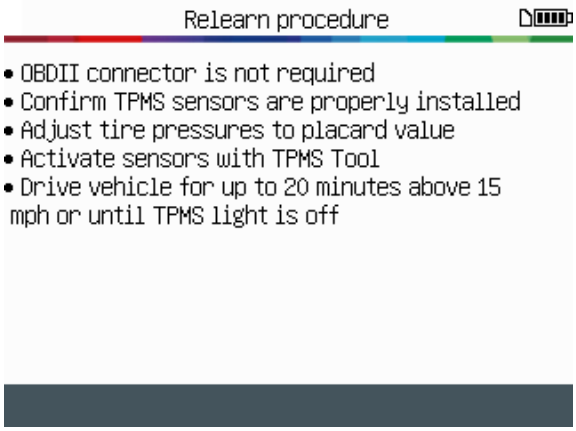
1.4. READ RELEARN PROCEDURE

Depending of the selected make/model/year vehicle, the tool informs you which relearn procedure is required: automatic, manual or OBDII relearning procedure. Read, and keep in mind the complete procedure, then press Continue when ready.



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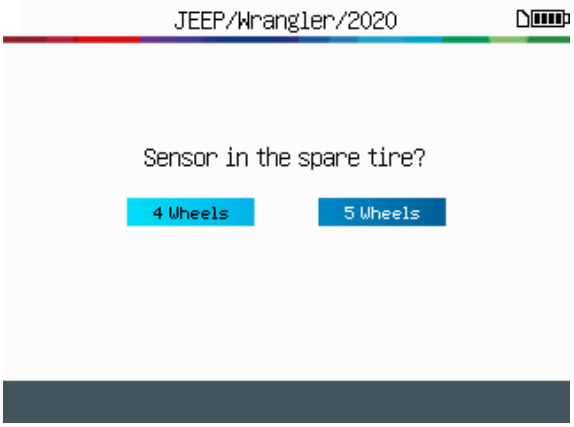
1.5. SELECT NUMBER OF WHEELS

On some vehicles, the tool will ask you to confirm the number of wheels fitted with TPMS sensors.

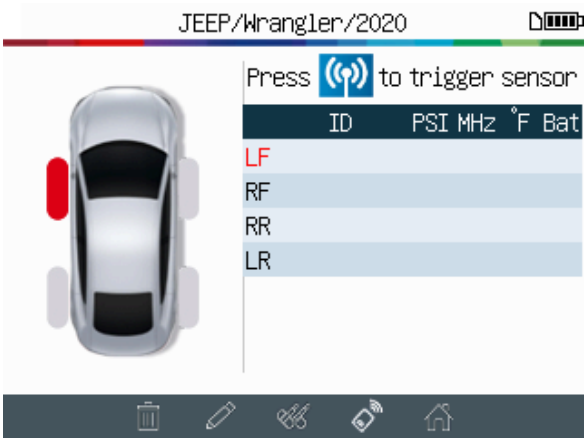


= Continue

= Previous

1.6. TEST SENSORS

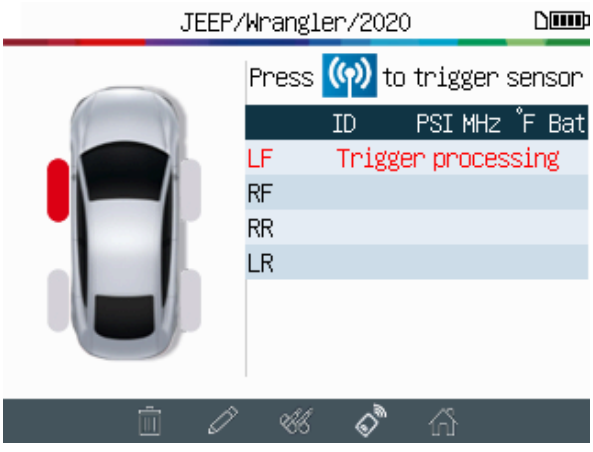
The tool is now ready to trigger sensors.



= To trig sensor

Start by reading the Left Front sensor.

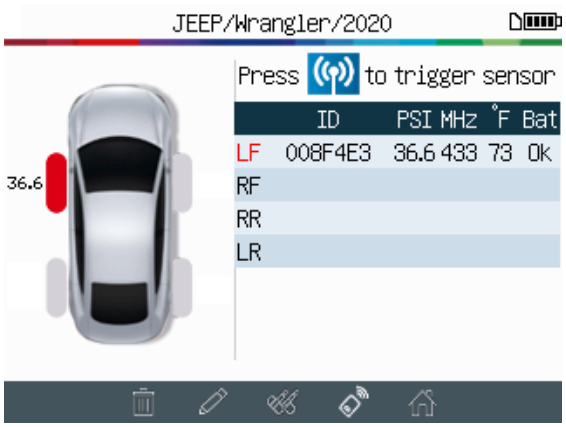
Left Front

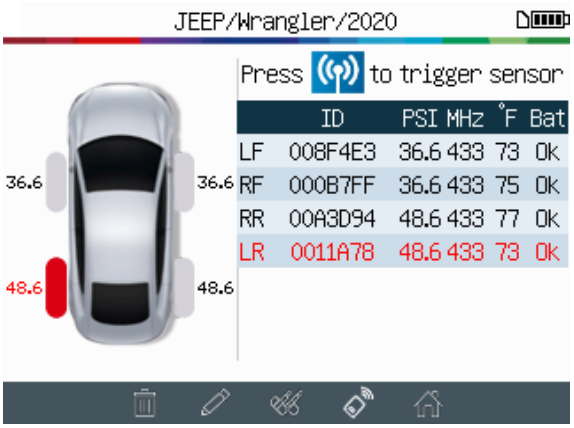


Please wait during the triggering process.

The first sensor has been read successfully.

In this case, the tool will automatically jump to the next wheel to read.





= To scroll wheels if needed

Right Front

Right Rear

Left Rear

= To exit and record the job.

When all sensors have been read, you can jump directly to other functions with the icon bar located at the very bottom of the screen.

Go to the Main Menu after recording the data displayed.

Input the client detail information.

Delete the sensor data displayed.

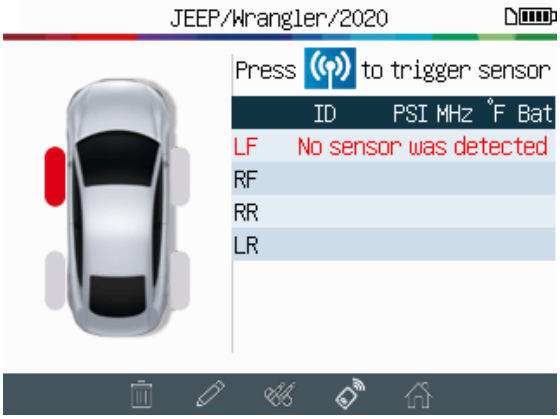
Jump to the Program Sensor function.

Jump to the Key Fob test function.

1.7. SENSOR READING PROBLEMS

If you encounter problems reading sensors, please use the troubleshooting guide below.

= Trigger sensor



The tool has not detected a sensor. Try again.

= change selected wheel

TPMS sensor reading problems – Troubleshooting guide

1) The vehicle **has no TPMS sensors** even if a metal stem is present. For example, Schrader valves can look the same as TPMS valves.

➔ Check for the presence of TPMS sensors on the vehicle. You can also use your TPMS tool to check the **type of TPMS valve** (direct or indirect) mounted on your vehicle. Caution, **indirect TPMS** systems operate **without sensors mounted in the tires**.

➔ If the vehicle you are checking was **not originally fitted with TPMS sensors**, your tool will tell you clearly through the message "Indirect TPMS".

2) The **TPMS sensor or ECU (TPMS computing unit)** may be **damaged** or **defective**.

➔ Check all these elements separately in order to eliminate the possible origin of the problem.

3) The **TPMS** sensor only responds to a certain **frequency**.

➔ Check the communication frequency of the vehicle's TPMS sensors. This is generally 433 MHz for Europe and 315 MHz for the United States and Japan. Make sure the vehicle is not a vehicle imported from another region since it may be set to a different frequency.

4) The **TPMS sensor** mounted in the tire is not the **correct reference**.

➔ Each vehicle model – each version even – can be fitted with a different make and model of TPMS sensor. Make sure that the vehicle is fitted with the correct TPMS sensor P/N.

5) Your **TPMS** tool may require a software update.

➔ If all the previous points check out, you may have a vehicle that is not yet in the TPMS tool's database. In this case simply update your device using the TPMS Tool PC software. Refer to the dedicated section of this user manual for this.

6) Your **TPMS** tool is damaged or defective.

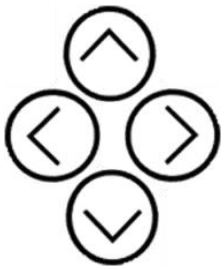
➔ If all the previous points check out, your TPMS tool may be damaged or defective. In this case, contact your local dealer.

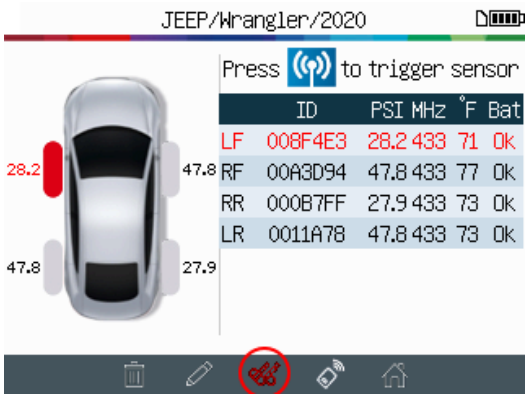
2. PROGRAM TPMS SENSORS

The TPA 300 works with most known aftermarket universal programmable sensors, with the options to create the new sensor IDs and/or duplicate sensor ID(s) from original sensor(s).

To access the program sensor function, you must start by selecting the Make/Model/Year of the targeted vehicle.

 Go to the program sensor icon located at the very bottom of the trigger screen (car view when reading TPMS sensors) to open the Program Sensor function.

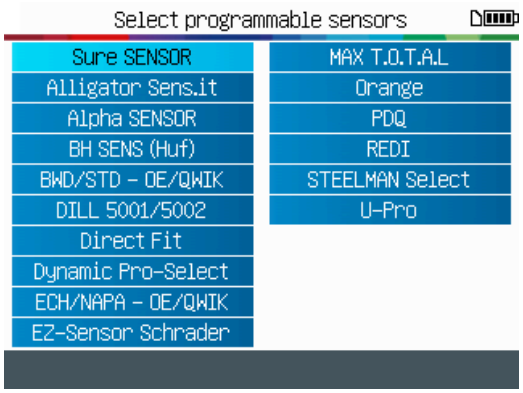




 = Continue

 = Previous

Scroll up and down to select the programmable sensor brand.



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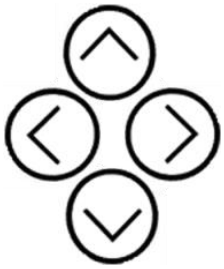
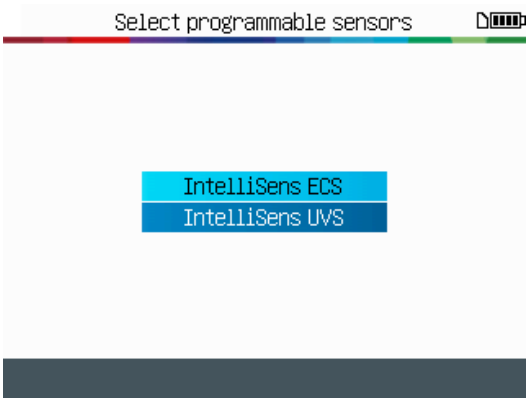
 = Previous

***Note**: Following your options, some above brands in the example may change.*

Depending on the sensor selected, you may have to choose a sensor model.



Select a programmable sensor model.



 = Continue

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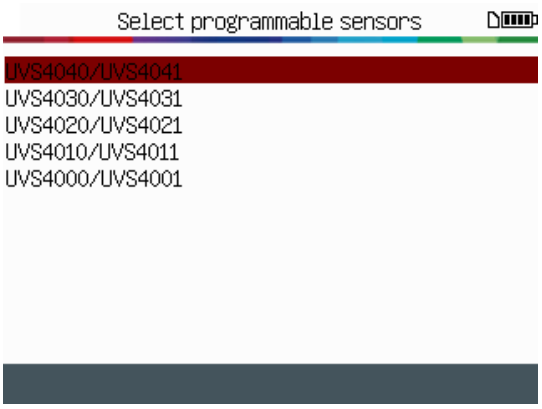
The available sensors are displayed, select the one you are using.



= Continue

= Previous

2.1. CREATE SENSOR

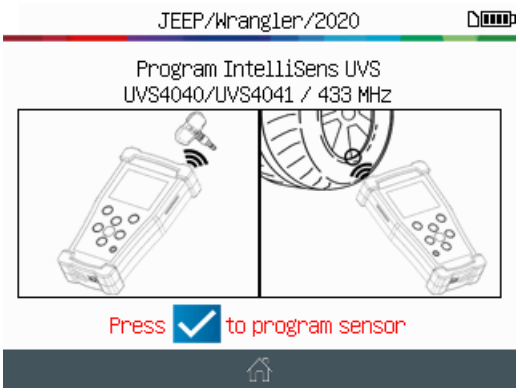
This section is to create a Make / Model / Year specific sensor if the "old" sensor can't be cloned. The new sensor ID(s) are generated by the tool, and may not be the same as the original one. A TPMS reset is required when replacing new sensors. See section 2.

Scroll Right and left to select the **CREATE** option.

= Continue

= Previous

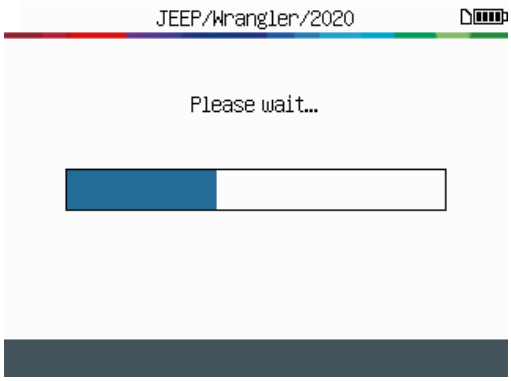
Position the sensor in front of the tool antenna to send ID to the blank sensor.



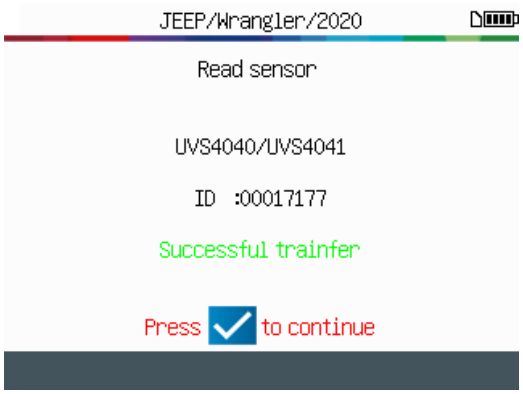
= Program

= Previous

Wait a few seconds during the programming process.

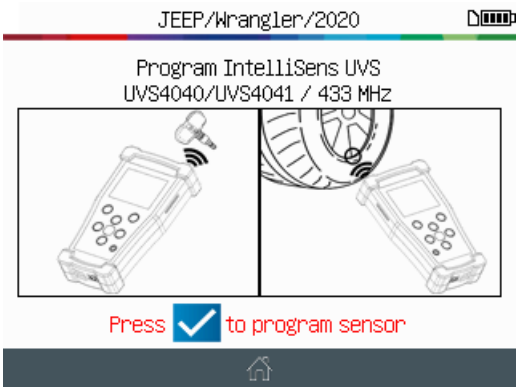


The tool confirms the new sensor ID is successfully created.



= Continue

The tool is now ready to create another new sensor (if applicable).



= To program a new sensor

= To abort and go home

Programming Issue

In case of an ID transfer issue, the following message will appear, try again.

= Start again

= Previous

2.2. COPY SENSOR

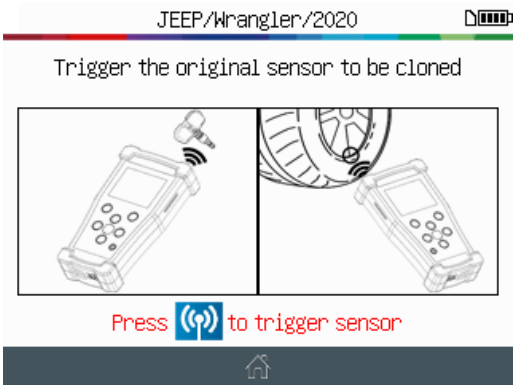
This section is to recover a sensor ID if the "old" sensor can be cloned.

Scroll Right and left to select the **COPY** option.

= Continue

= Previous

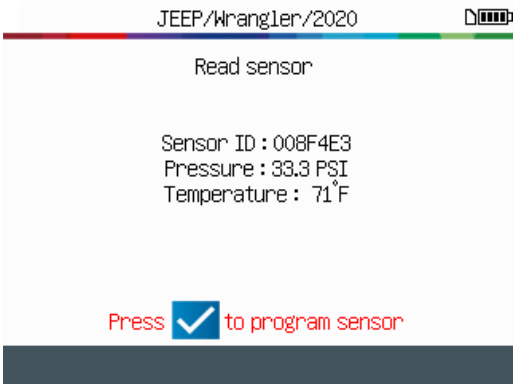
Position the old sensor to copy in front of the tool antenna.



To read the sensor.

The tool will read the old sensor, please wait a few seconds.

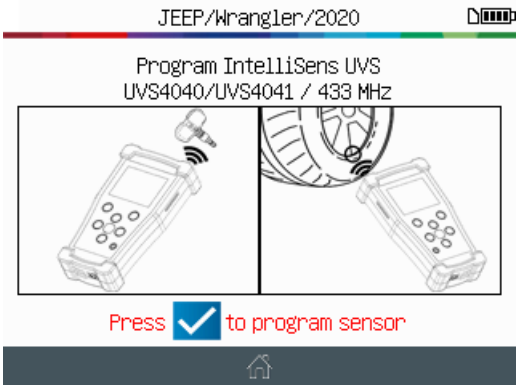
After a short period the sensor data is displayed.



= Continue

= Previous

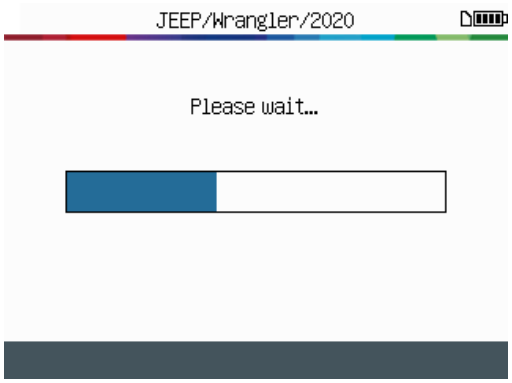
Position the blank sensor in front of the tool antenna to send the existing ID to the new sensor.



= To program the new sensor

= To abort and go home

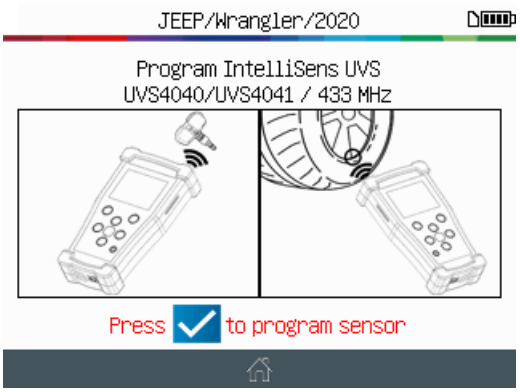
Wait a few seconds during the programming process.



The tool confirms the sensor ID is successfully created.

= Continue

The tool is now ready to program a new sensor (if applicable).



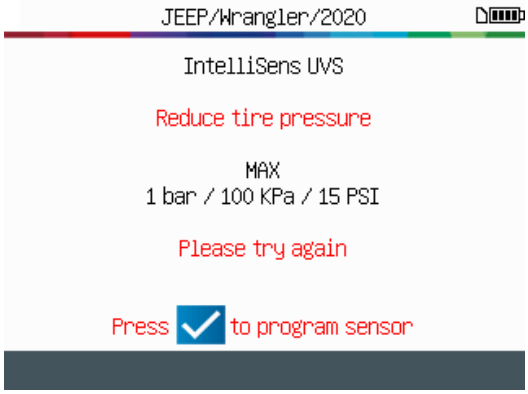
= To program a new sensor

= To abort and go home

Programming Issue

In case of a programming issue, read the message and follow the recommendations.

After applying the changes, start again.



= Start again

= Previous

2.3. COPY SET

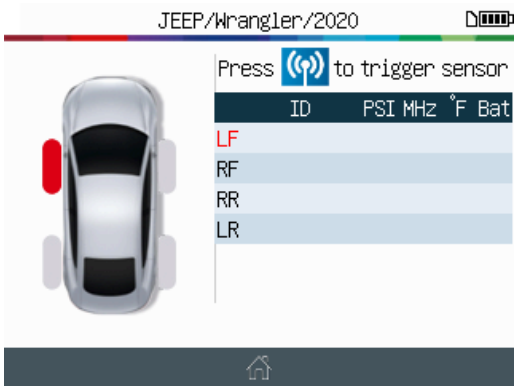
This section is to copy a complete set of sensor IDs and transfer them to blank sensors. This option can be used to create a set of winter tires, for example.

Scroll Right and left to select the **COPY SET** option.

= Continue

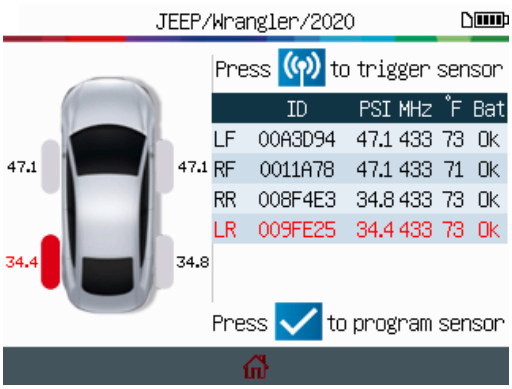
= Previous

Read all the vehicle sensors, starting by the LF (Left Front) sensor.



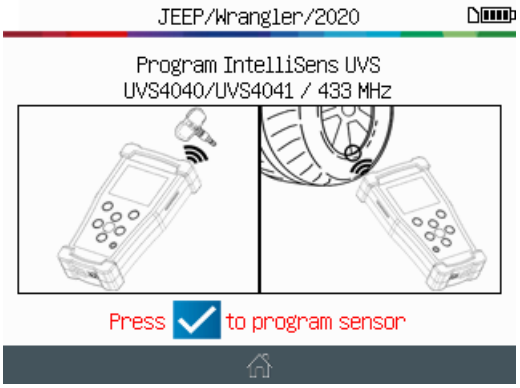
To read the sensors.

Scroll up and down to select the first blank sensor to program.



= Continue

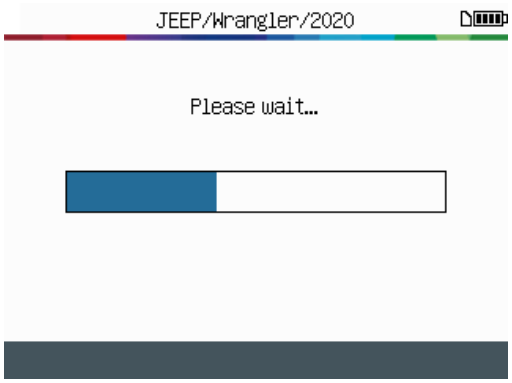
Position the blank sensor in front of the tool antenna to send the existing ID to the new sensor.



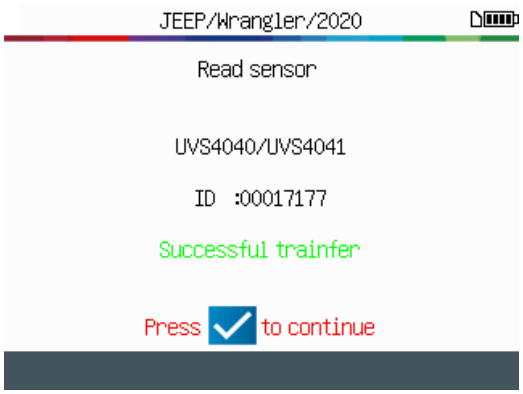
= To program the new sensor

= To abort and go home

Wait a few seconds during the programming process.

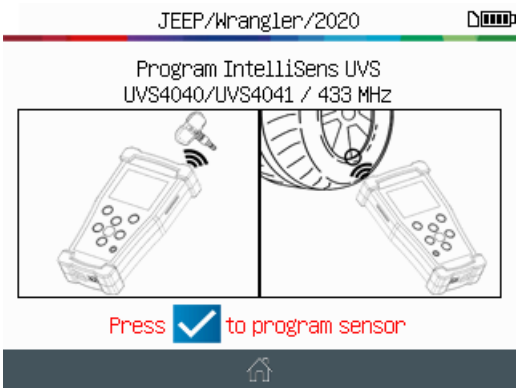


The tool confirms the sensor ID is successfully created.



= Continue

The tool is now ready to program a new sensor (if applicable).



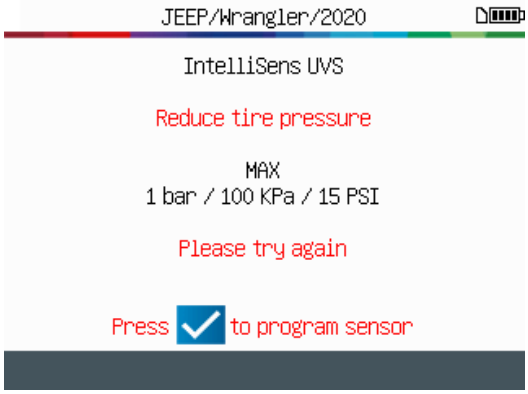
= To program the next sensor

= To abort and go home

Programming Issue

In case of a programming issue, rea the message and follow the recommendations.

After applying the changes, start again.

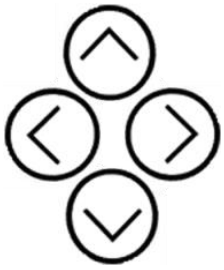


= Start again

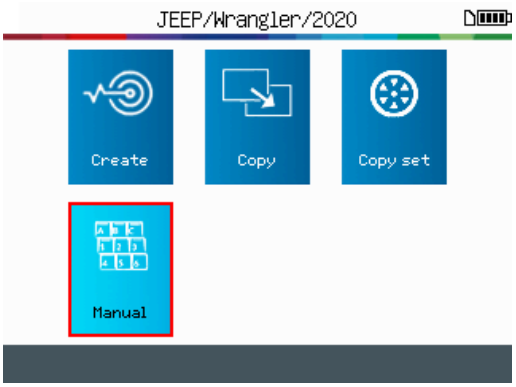
= Previous

2.4. MANUAL ID

This function - only available for certain programmable sensors brands - enables the ID's for damaged sensors to be entered manually. Be careful to enter only a valid sensor ID in the correct format (decimal or hexadecimal) who depends of the type of sensor.



Scroll to select the **MANUAL** option.

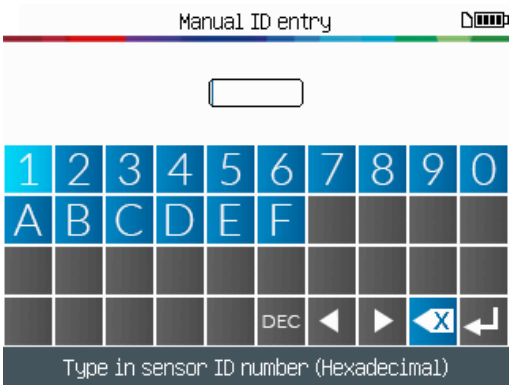


= Continue

= Previous

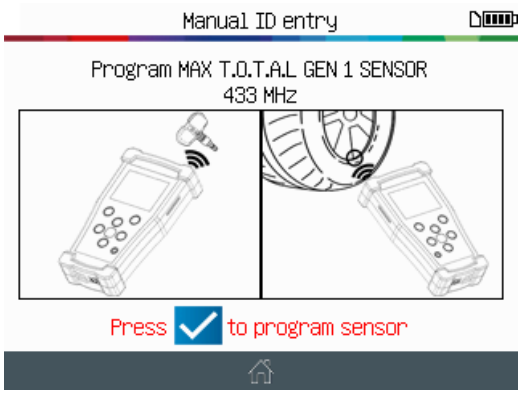
Use the virtual keyboard to enter the sensor ID of the damaged sensor.

Be careful to enter only a valid sensor ID in the correct format (decimal or hexadecimal).



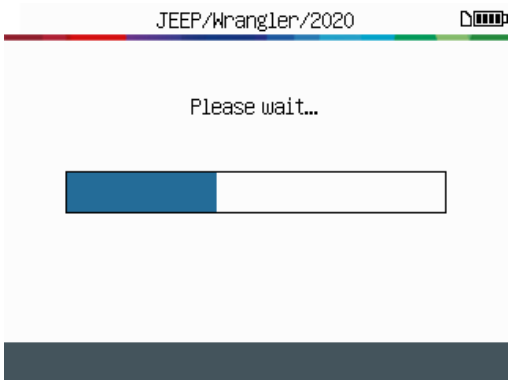
= To send the new ID to the sensor

Position the blank sensor in front of the tool antenna to send the ID to the new sensor.



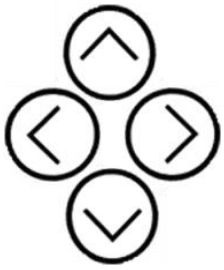
= To program the sensor

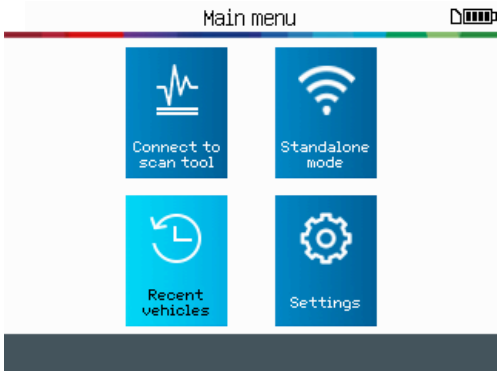
Wait a few seconds during the programming process.



3. RECENT VEHICULE

This feature is to list all the TPMS activities recorded in the tool.

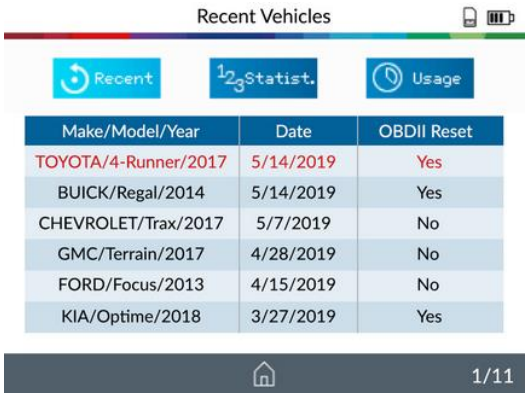




= Continue

3.1. RECENT VEHICLES

Select the recorded vehicle to display.



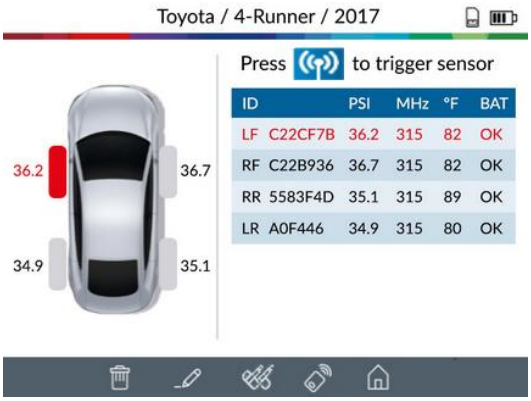
= Continue

= Previous

The screen displays the details of the selected vehicle.

The last known state of the TPMS sensors appears.

It's possible to continue to trigger the vehicle.



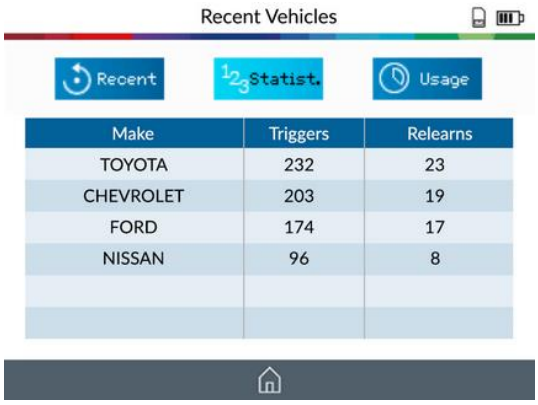
To trigger the sensor.

= Previous

At this stage, it's possible to print the sensors detail of this vehicle. See the "**Print Sensor Details**' paragraph in the "**Miscellaneous**" chapter.

3.2. STATISTICS

Scroll Right and left to select the **STATISTICS** option.

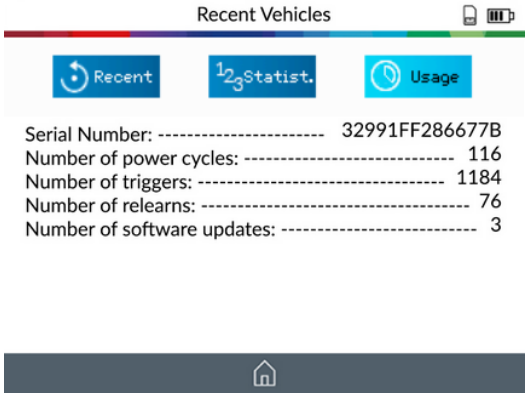


= Continue

= Previous

3.3. USAGE

Scroll Right and left to select the **USAGE** option.



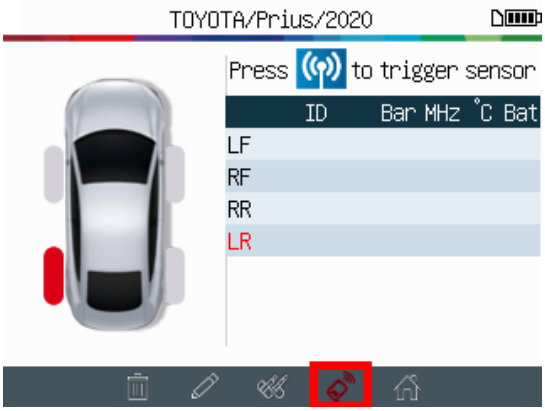
= Continue

= Previous

4. KEYFOB TEST

This function is to test the strength of the RF signal of the keyfob.

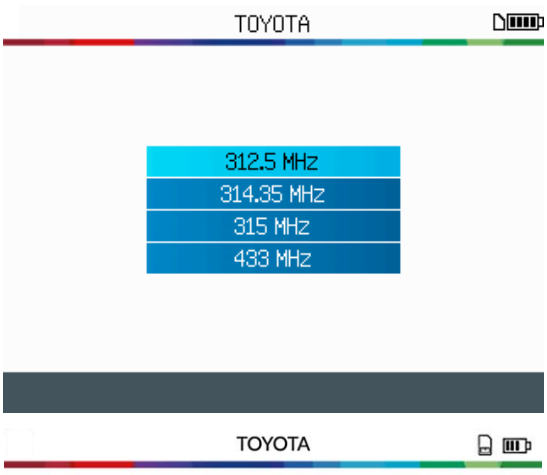
Click the Keyfob icon.



= Continue

= Previous

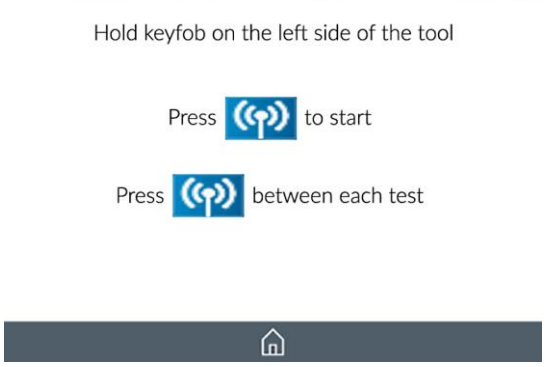
Select the Keyfob frequency depending on your region.



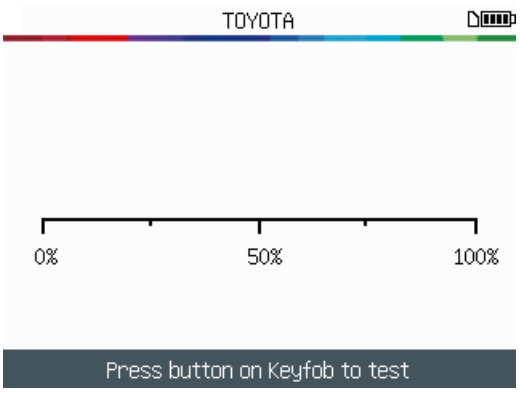
= Continue

= Previous

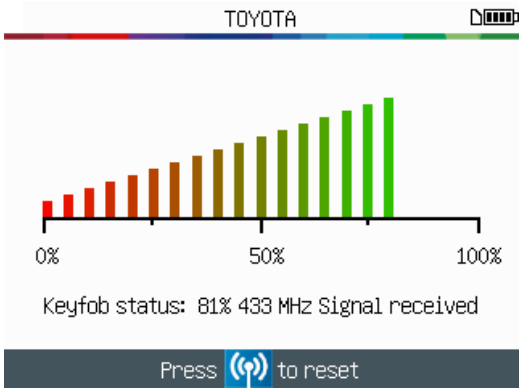
Read instructions, wait a few seconds for the next screen.



Press keyfob buttons.

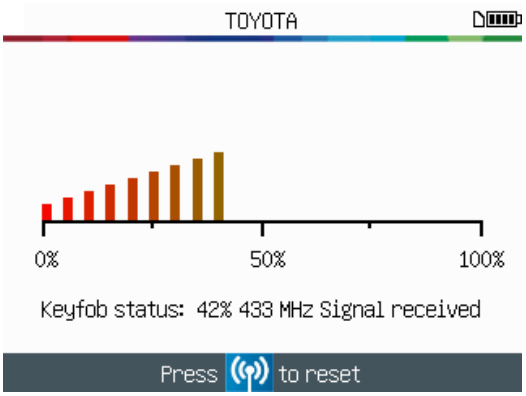


PASS: keyfob is working within its range to the device.



To reset the device and start a new test.

FAIL: Low signal strength, indicates low battery, replace battery (recommended).

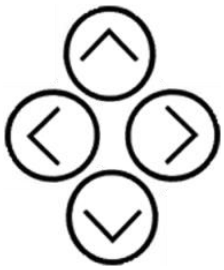


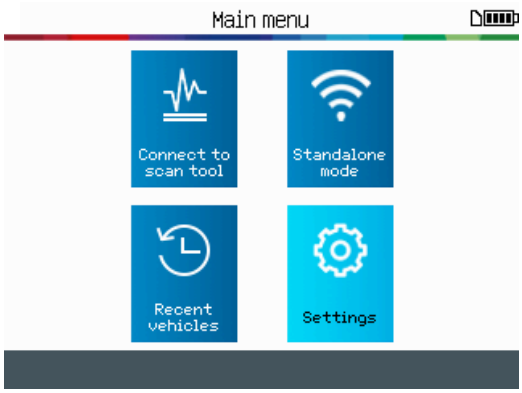
Press

to reset and start a new test.

5. SETTINGS

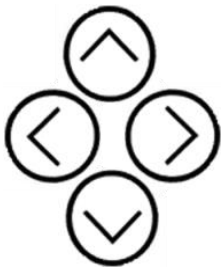
5.1. ENTER SETTINGS MENU



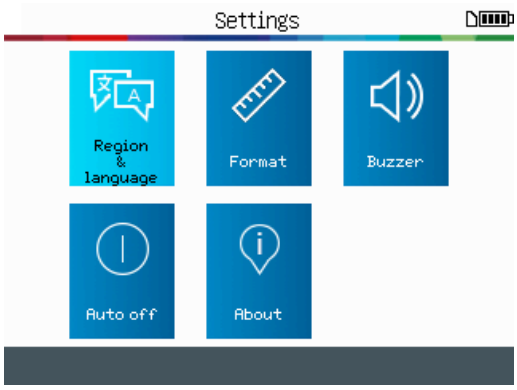


= Continue

= Previous



Select the various settings.



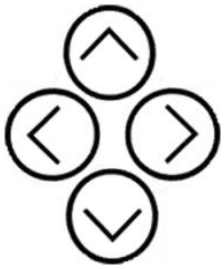
= Continue

= Previous

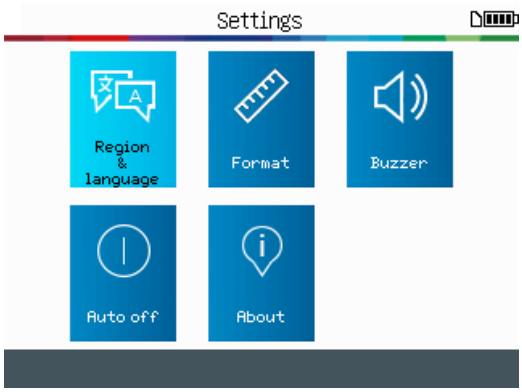
REGION & LANGUAGE	Select the working region (America or Europe) and the interface language (English, Spanish, French).
FORMAT	Change the air pressure and temperature display (kPa, Bar or PSI and F° or C°). Change the format of sensor ID display.
BUZZER	Turn buzzer to ON or OFF.
AUTO OFF	Set the time to turn off the device automatically after not being operated.
ABOUT	Displays the current software version and information about the licence validity.

5.1.1. Change zone settings

REGION: select the working zone among America and Europe.



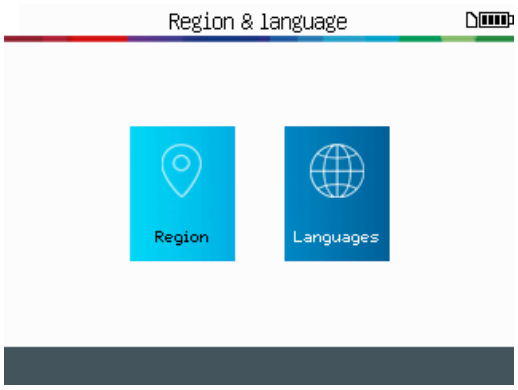
Select the **REGION & LANGUAGE** setting.



= Continue

= Previous

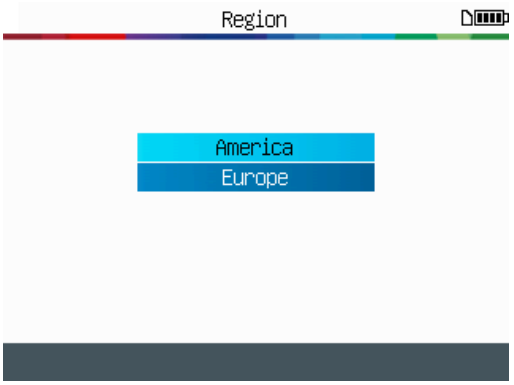
Select the **REGION** function.



= Confirm

= Previous

Scroll up and down to select your region.



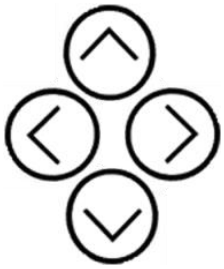
= Confirm

= Previous

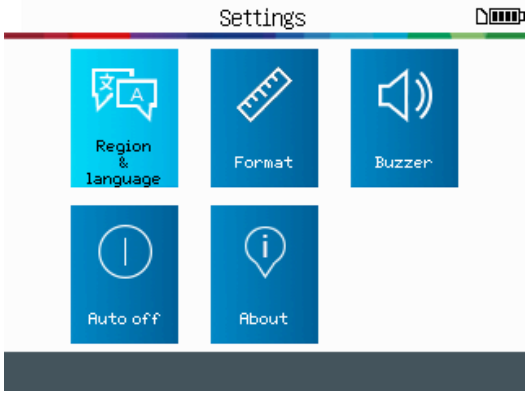
After choosing a new region, please wait until the new vehicle database is loaded.

5.1.2. Change language settings

LANGUAGE: select displayed language among English, Spanish and French.



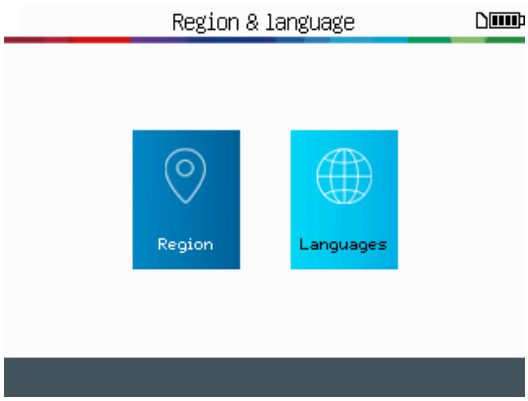
Select the **REGION & LANGUAGE** setting.



= Continue

= Previous

Select the **LANGUAGE** function.



= Confirm

= Previous

Scroll up and down to select your preferred language.

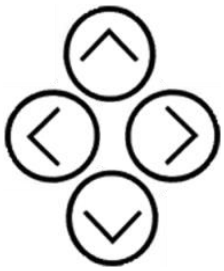
= Confirm

= Previous

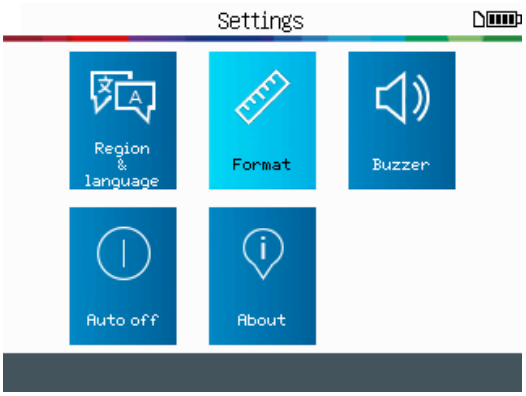
After choosing a new language, please wait until the new zone is loaded.

5.1.3. Change Units settings

UNITS: change the air pressure and temperature display (kPa, Bar or PSI with F° or C°).



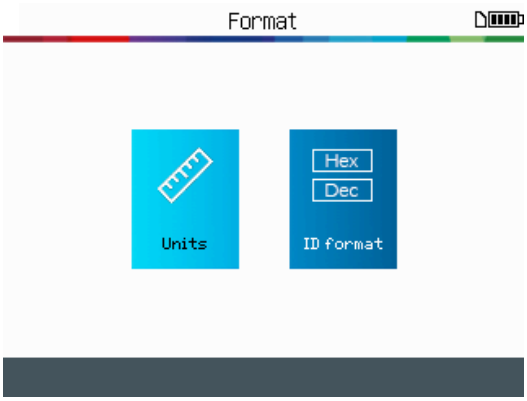
Select the **FORMAT** setting.



= Confirm

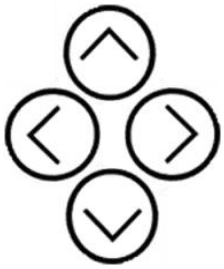
= Previous

Select the **UNITS** setting.

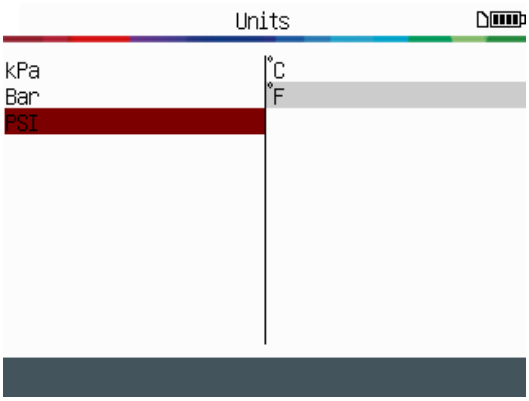


= Continue

= Previous



Select the pressure and temperature units you prefer.

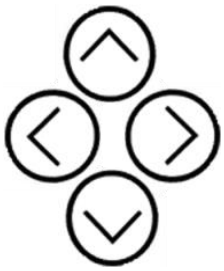


= Confirm

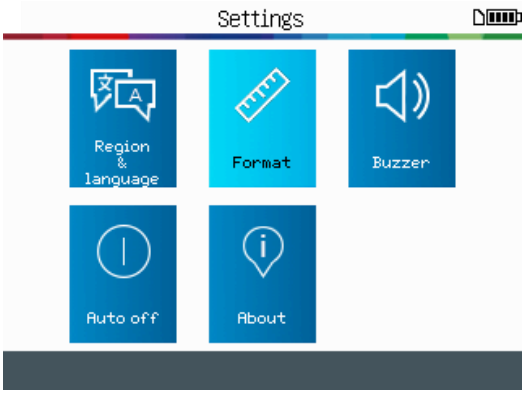
= Previous

5.1.4. Change Format settings

FORMAT: change the format of sensor ID display.



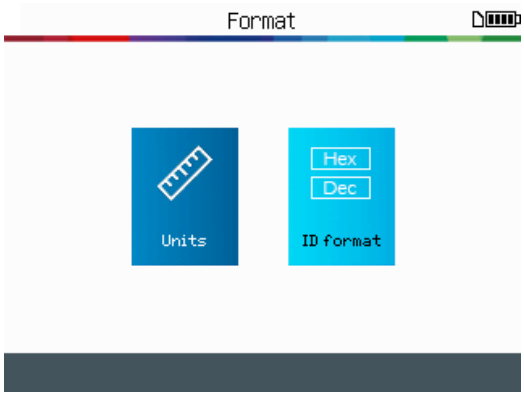
Select the **FORMAT** setting.



= Confirm

= Previous

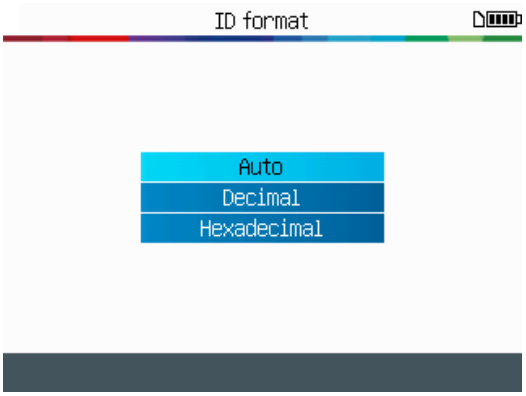
Select the **ID FORMAT** setting.



= Confirm

= Previous

Scroll up and down to select a preferred format.



= Confirm

= Previous

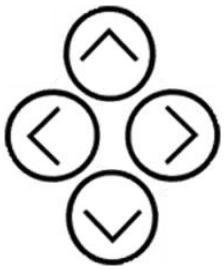
AUTO: Display sensor IDs in the way sensor is transmitting.

DECIMAL: Display sensor IDs in decimal (0-9).

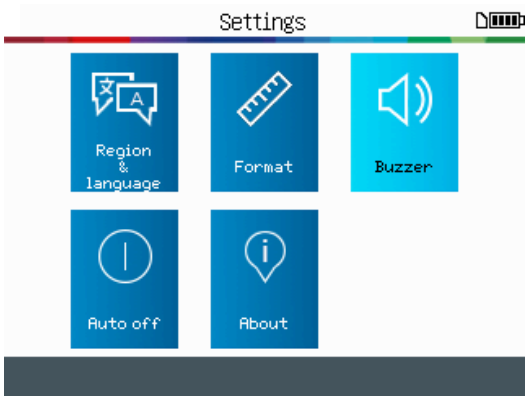
HEXADECIMAL: Display sensor ID in hexadecimal (0-9 & A-F).

5.1.5. Change Buzzer settings

BUZZER: turn buzzer to ON or OFF. (YES or NO). When buzzer is set to **YES**, a beep is triggered when the sensor ID is detected.



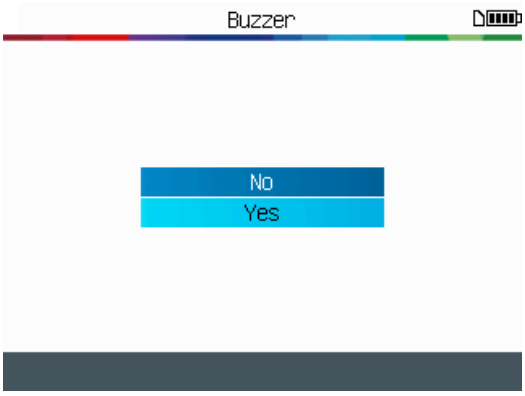
Select the **BUZZER** function.



= Confirm

= Previous

Scroll up and down to select **Yes** or **No**.

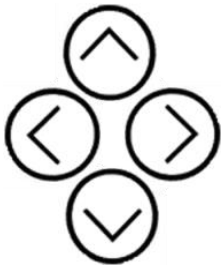


= Confirm

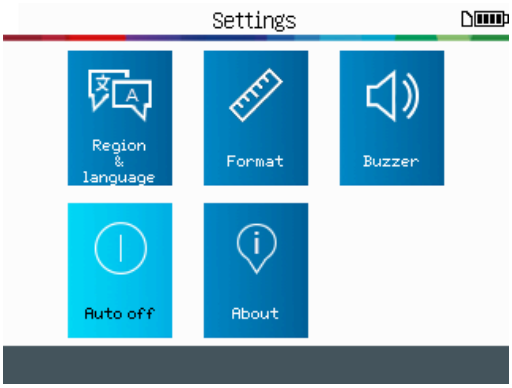
= Previous

5.1.6. Change Auto Off settings

AUTO OFF: Time set to turn off the device automatically after not being operated.



Select the **AUTO OFF** setting.



= Confirm

= Previous

Scroll up (+)and down (-) to change time.

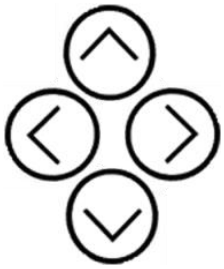
= Confirm

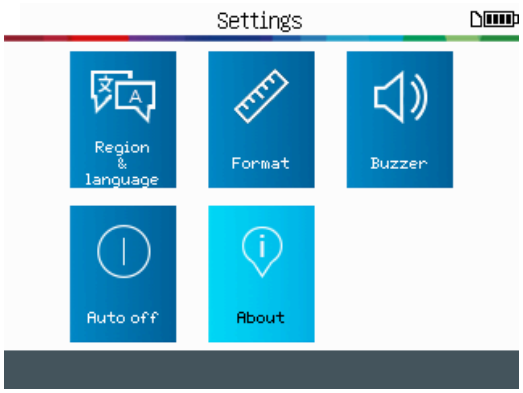
= Previous

Change by **60 min** (maximum) to **DISABLED** (never).

5.1.7. About

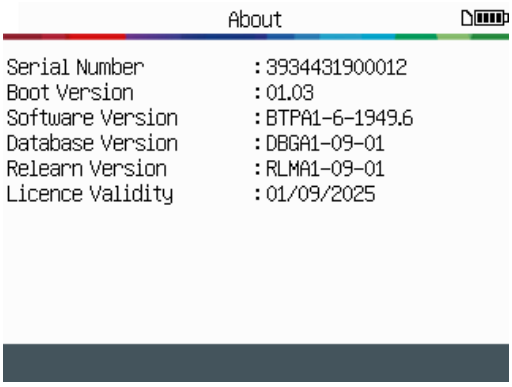
Displays the current version and information about the device.





= Continue

= Previous



The tool displays the software version and license validity.

= Previous

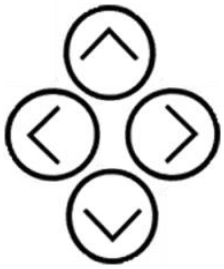
TPA 300 USAGE WITH BOSCH SCAN TOOL

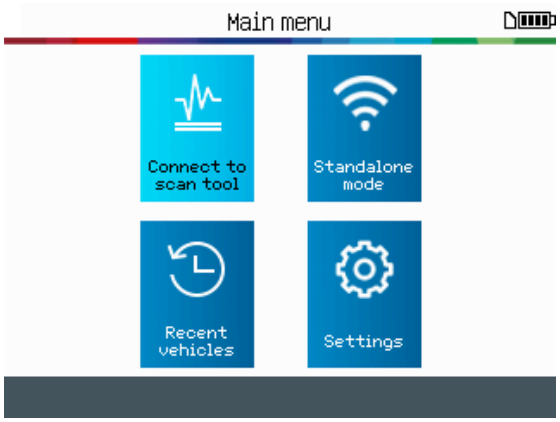
IMPORTANT:

TPA 300 Connect to scan tool mode is used to register the TPMS sensors IDs into the vehicle's ECU. If you need to program and copy TPMS sensors, test RKE, save and read recorded jobs, and setup the tool you must use the TPA 300 Standalone mode. For basic checking of the TPMS sensors – without writing into the vehicle ECU – you can either use the TPA Standalone mode. See this user manual dedicated section to learn how to operate this mode.

***Note**: The first time you use a TPA 300 with a Bosch scan tool you need to do a Bluetooth pairing procedure to link the devices together. Please note that Bosch scan tool previously paired devices can still be used alongside with the TPA 300.*

1. BLUETOOTH PAIRING

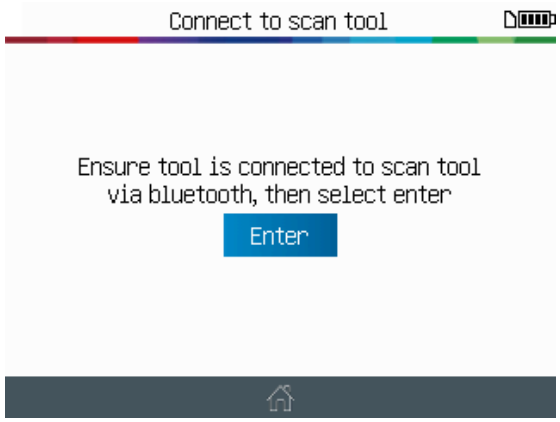




= Continue

= Previous

The tool is ready to activate the Bluetooth connection.

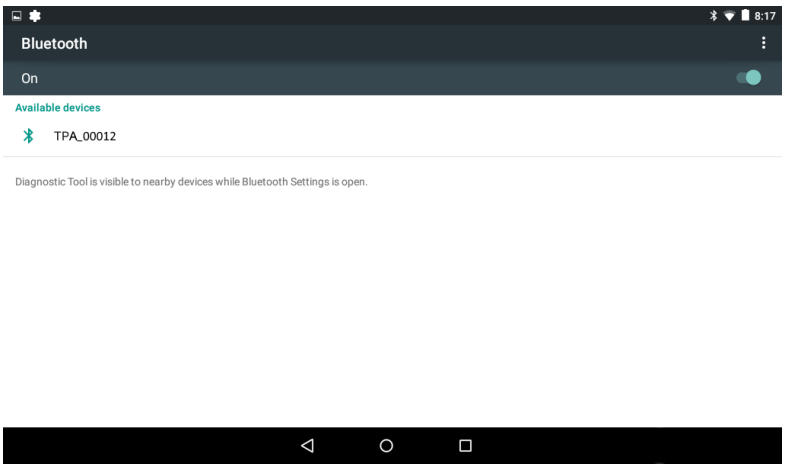


= To confirm

TPA 300 is ready to pair with Bosch scan tool.

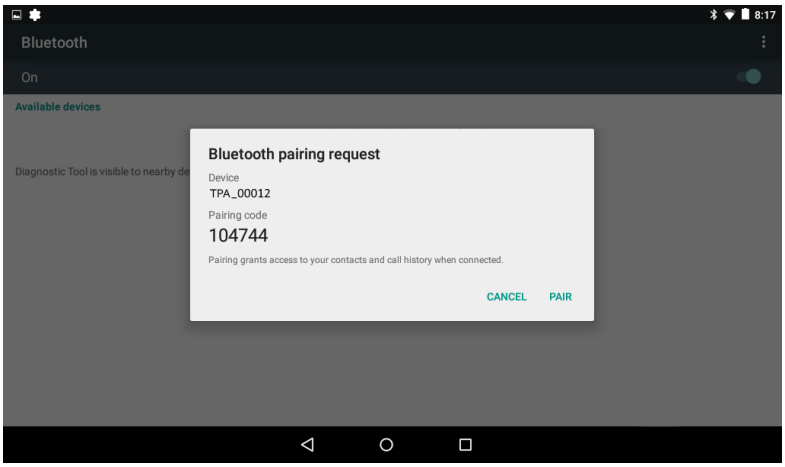
Use the Bosch scan tool for the next steps.

On the Bosch scan tool, go to Bluetooth global settings and wait until the TPA 300 is detected.

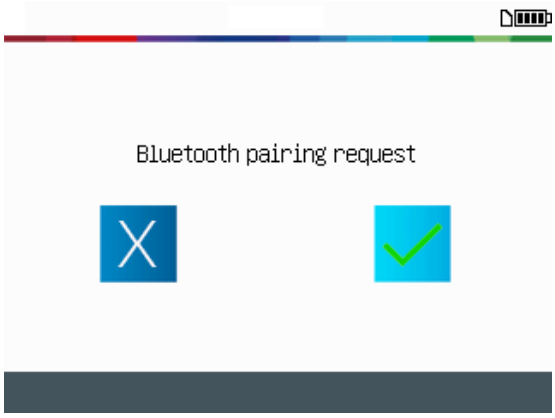


When your TPA 300 device name appears, click on it to pair.

Confirm the Bluetooth pairing by clicking Pair on the Bosch scan tool.



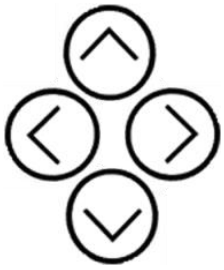
Confirm the Bluetooth pairing on the TPA 300.

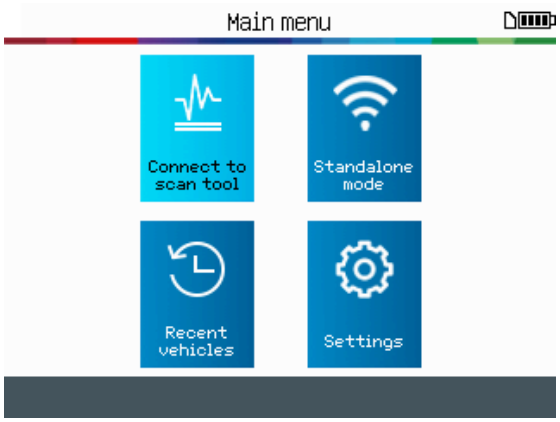


= Confirm

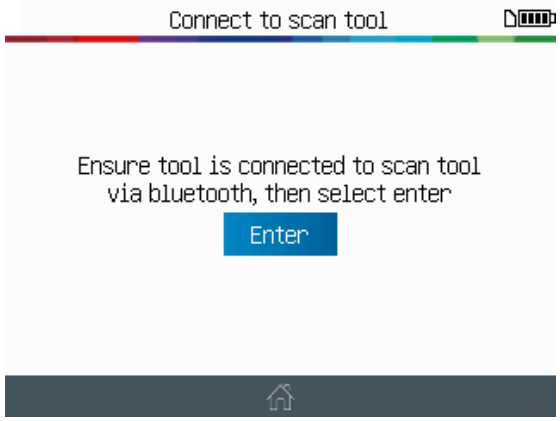
***Note**: Now the TPA 300 is capable of working in conjunction with the Bosch scan tool. You do not need to repeat the pairing process the next time you want to use the devices together. Instead, simply select the Connect to scan tool mode on the TPA 300 and follow the instructions from the Bosch scan tool screen.*

SELECT CONNECT TO SCAN TOOL MODE





= Continue



The tool is ready to activate the Bluetooth connection.

= To confirm

TPA 300 is ready to work with Bosch scan tool.

Use the Bosch scan tool for the next steps.

Now the TPA 300 is awaiting instruction from the Bosch scan tool. Simply use the Bosch scan tool to do the next steps.

2. OBDII RELEARN

This section is to relearn sensors IDs to the vehicle ECU. This is needed when one or more sensor has been changed. This must be done from the Bosch scan tool.

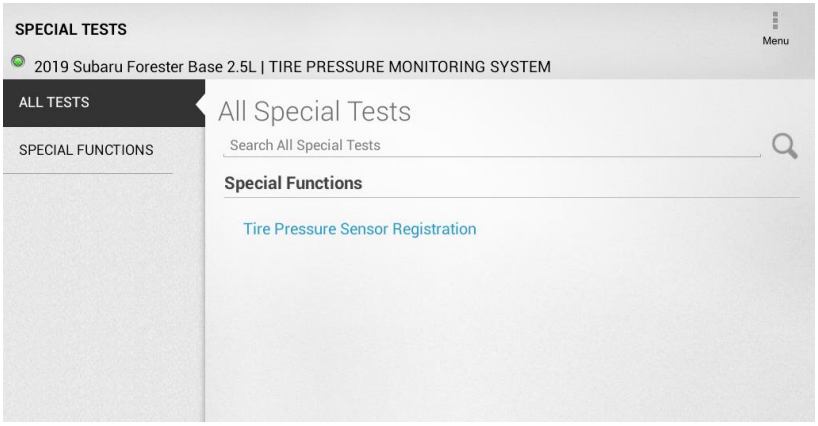
***Note**: You need to follow the standard process to select the Make / Model / Year from the Bosch scan tool and then use the TPA 300 to trigger all the TPMS sensors. The Bosch scan tool will automatically grab the sensors IDs from the TPA 300 and record them.*

On the Bosch scan tool select the Make/Model/Year of the targeted vehicle.

Then, select:

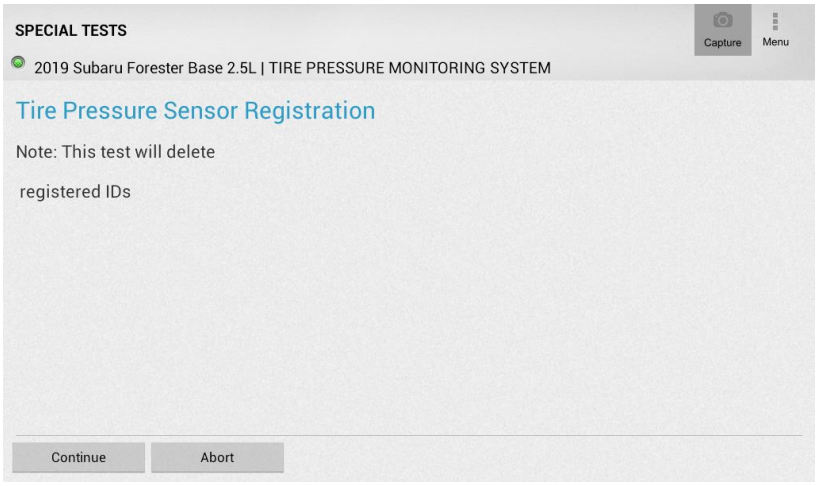
TIRE PRESSURE MONITORING SYSTEM function located in:

SPECIAL TESTS menu.

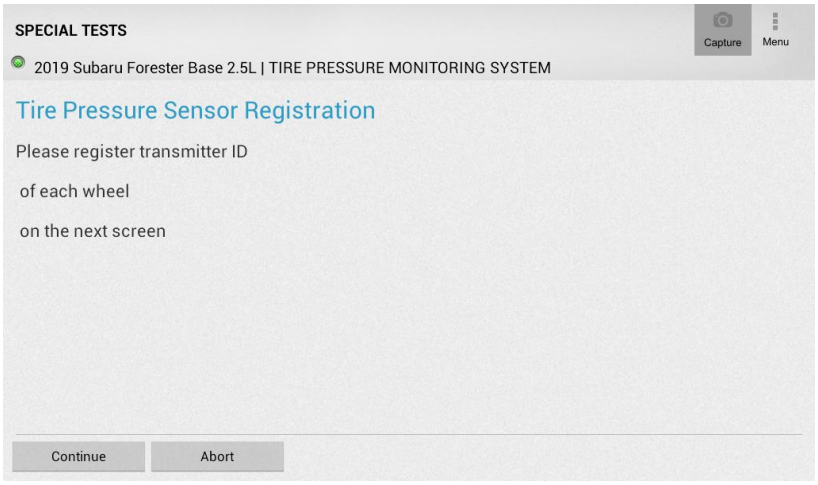


The following procedure will erase the existing IDs recorded into the vehicle ECU.

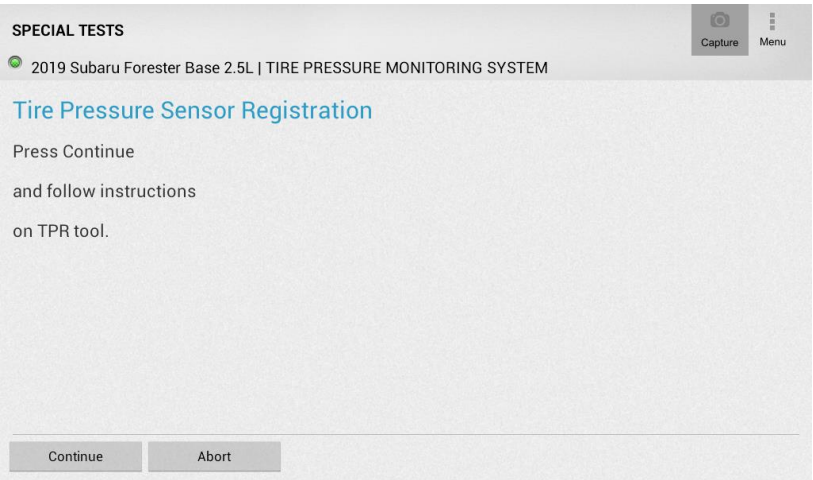
Press **CONTINUE** to confirm.



Read instructions and press **CONTINUE** to access to the next step.

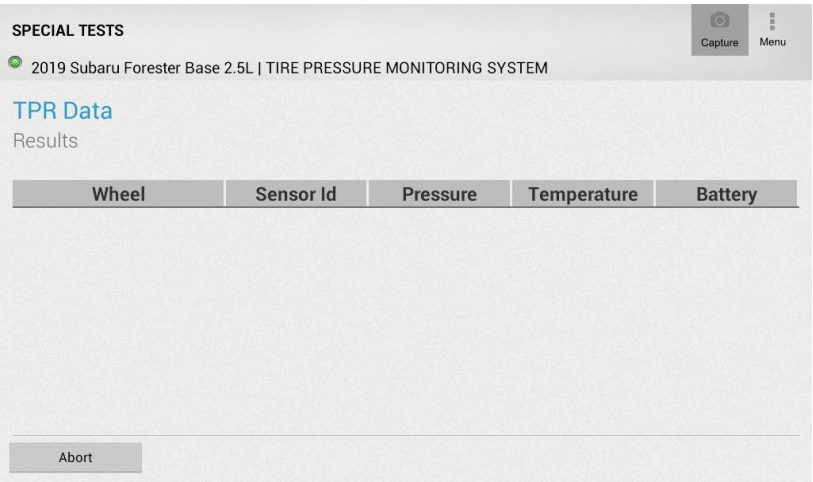


Read instructions and press **CONTINUE** to access to the next step.

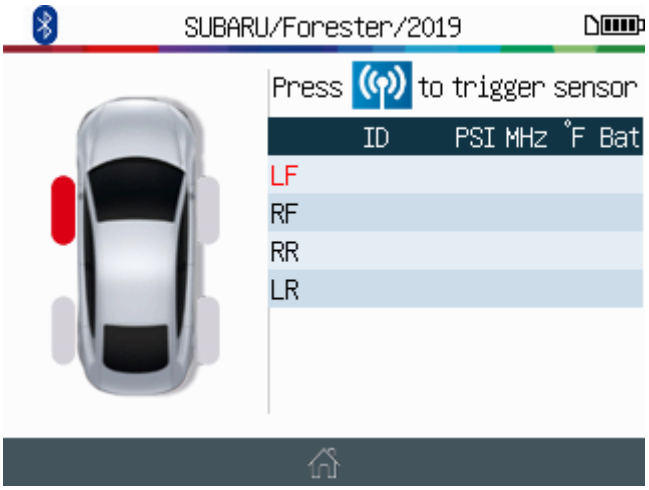


Please wait during the connection process.

When both the TPA 300 and the Bosch scan tool are ready the following screen will display.



In the meantime, the TPA 300 screen will change to the TPMS sensors triggering screen with the matching vehicle already selected.



At this stage, you have to read all the TPMS sensors IDs using the TPA 300 tool, exactly the same way you do in Standalone mode. If you are not already familiar with this procedure, please read the dedicated section in this user manual.

Warning*! For best sensor triggering, hold the tool against the tire sidewall right above the sensor.*

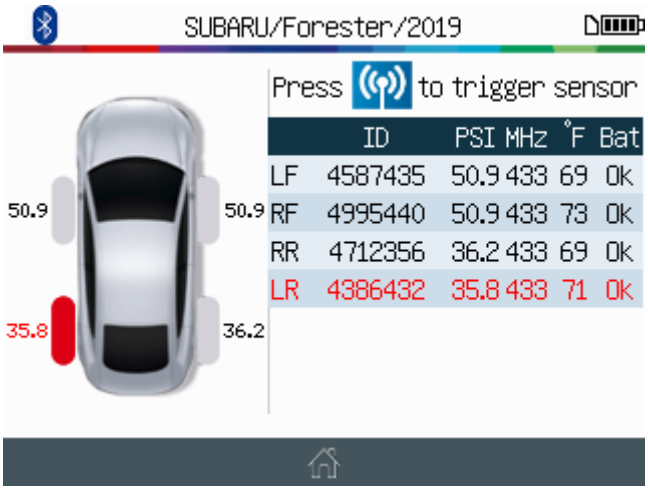
Read all sensors in the normalized order.

LF (Left Front)

RF (Right Front)

RR (Right Rear)

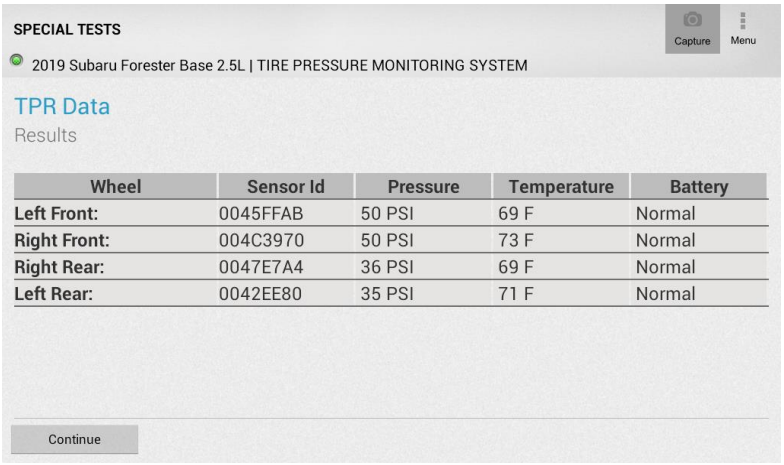
LR (Left Rear)



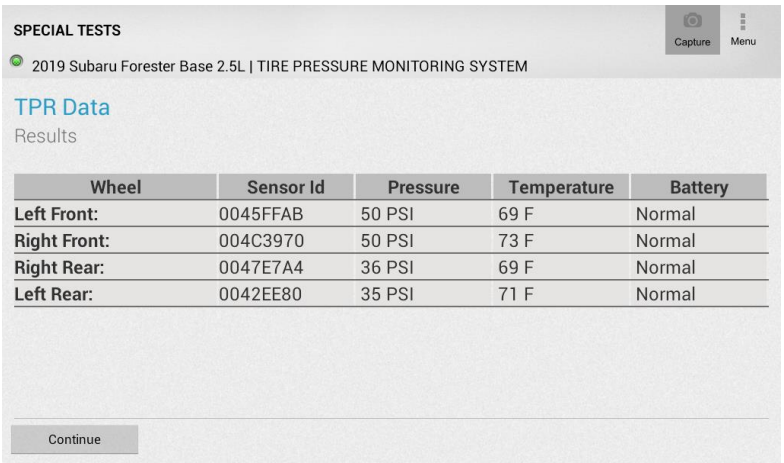
To trigger the sensors.

The sensors IDs automatically appear on the Bosch scan tool.

Press **CONTINUE** to register the new IDs to the vehicle ECU.



The Bosch scan tool will confirm the correct recording of the new sensors IDs into the vehicle ECU.



MISCELLANEOUS

1. CHARGE

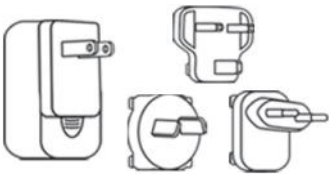
Low Battery Indication

Your **TPMS TOOL** incorporates a low battery detection circuit. Battery life is an average of 300 sensor tests per battery charge (approximately 60 to 80 vehicles) this may change following the sensor model.

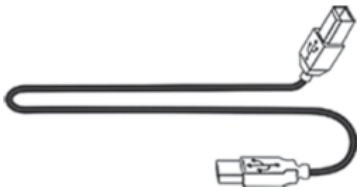
Battery indicator status:

When low, icon is flashing and the tool will turn off after 10 s.

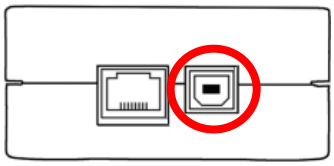
DO NOT use the tool with low battery status because the transmission and emission may not be reliable.



Universal charger



USB B cable



USB B socket

For charging the tool, directly plug the supply USB cable to the tool and plug the supply in an appropriate outlet. The battery icon will change to reflect the charging status: 

Battery replacement

Unscrew the two screws on the back of the tool.

Remove the cap.

Unplug the battery and change the battery by a new one.

Reinstall the cap and the screws.

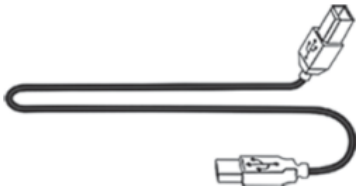
*Please recycle the used battery, see **Battery** and **Recycling** dedicated section in this user manual.*

2. TOOL UPDATE

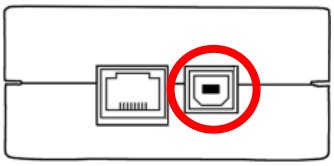
Updating Your TPMS TOOL

As a new protocol becomes available, it will become necessary to update your tool. Please follow these steps below:

IMPORTANT*: Temporarily turn off all of the anti-virus and spam blocking software on your computer. This is necessary to ensure a successful update.*



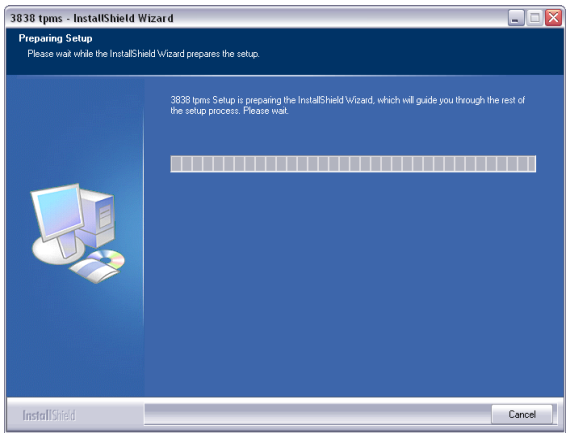
USB B cable



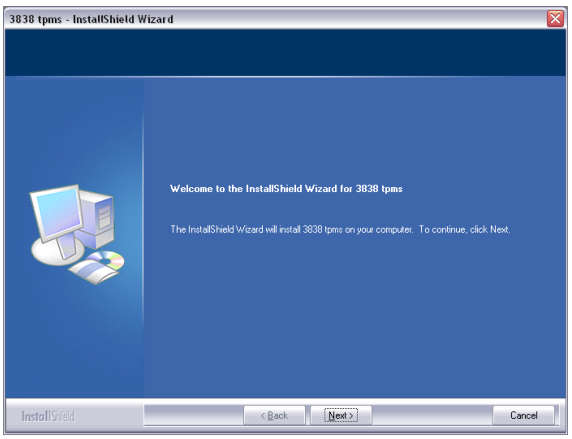
USB B socket

2.1. INSTALL TPMS PC SUITE

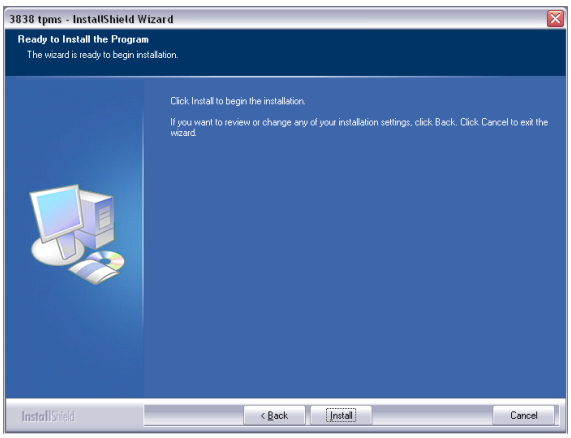
1) Insert the CD, supplied with your tool, into the PC drive and click on the **TPMS Tool** icon to start the program.



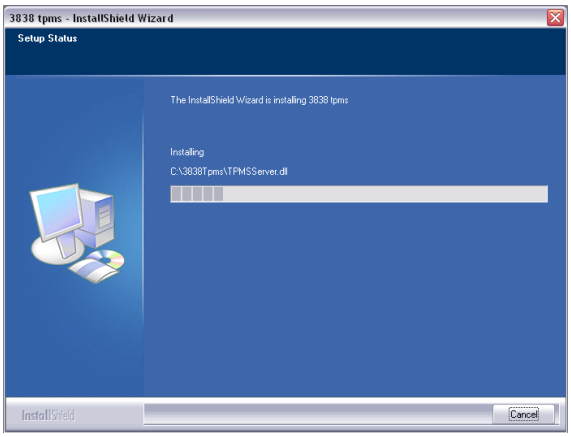
2) Click "**Next >**" to continue on the "**Welcome to install Shield Wizard for TPMS Tool**" screen.



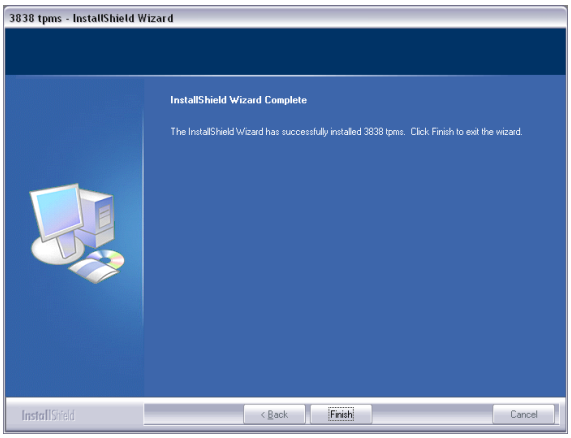
3) Click on “**Install**”.



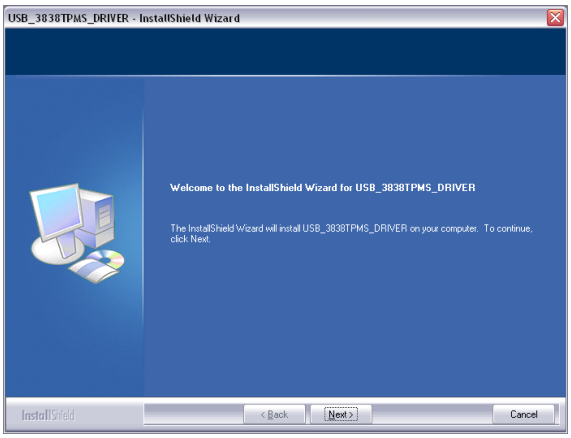
4) Until the software carries out the installation please wait.



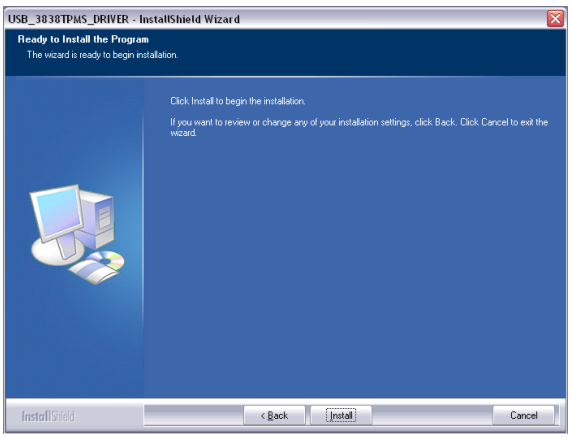
5) When the installation is complete, click on “**Finish**”.



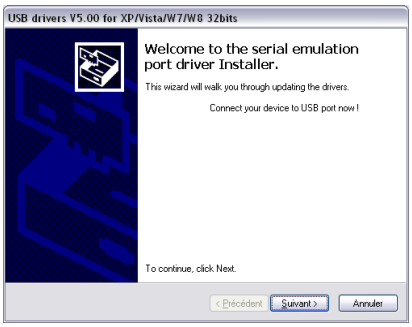
6) Click "Next >" to continue on "**Welcome to the Install Shield Wizard for USB_Driver**".



7) Click on "**Install**" to install the USB drivers.

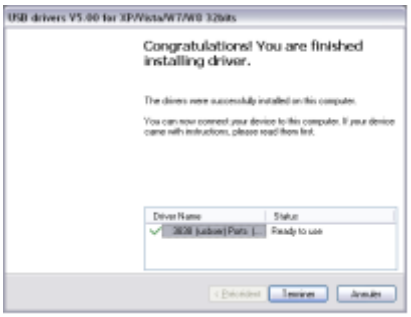


8) Click "**Next >**" to continue on the **USB/serial emulation** drivers.



9) The installation is complete, your device is ready to use, click on "**Finish**".

10) Close all the installation Windows.



Note *: if sometimes the Windows© Security prompts you, please click on "**Continue Anyway**".*

Note*: To order annual update software part number, please see your dealer for availability and pricing.*

2.2. COMPANION SOFTWARE USE

1) Connect the USB cable from the **TPMS TOOL** to the **PC**, and turn the device on.

2) Start **TPMS Tool** software.

3) If you are connected to a local network; please enter your local network Login and Password.

4) Registering device:

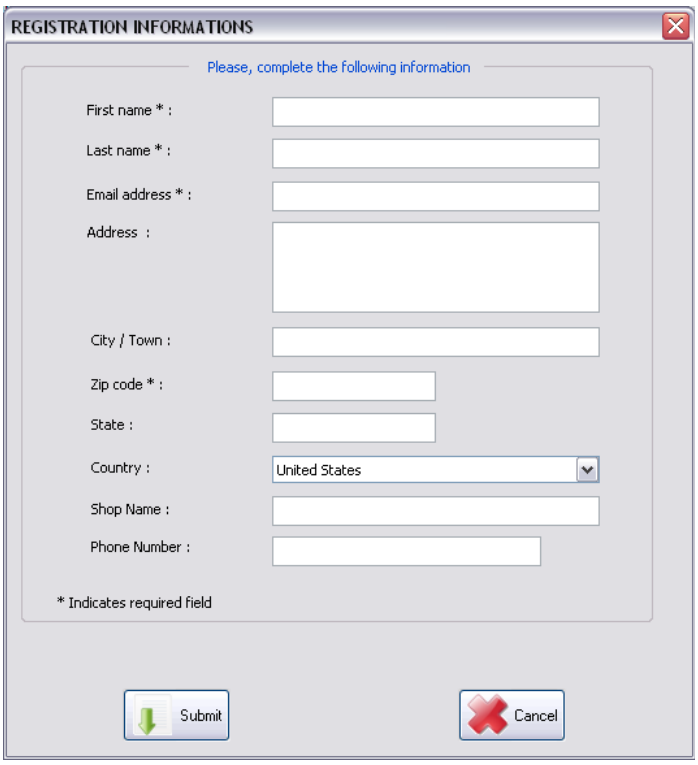
New units are eligible for 36 months of software updates from the purchase date. This allows access to new protocols and software enhancements.

Click "**Yes**" to register.

***Note**: the tool can't be updated without prior registration.*

5) Registration information:

To register the product, please enter information in the fields and "**Submit**". These information will be paired with the connected tool.



6) Renew subscription:

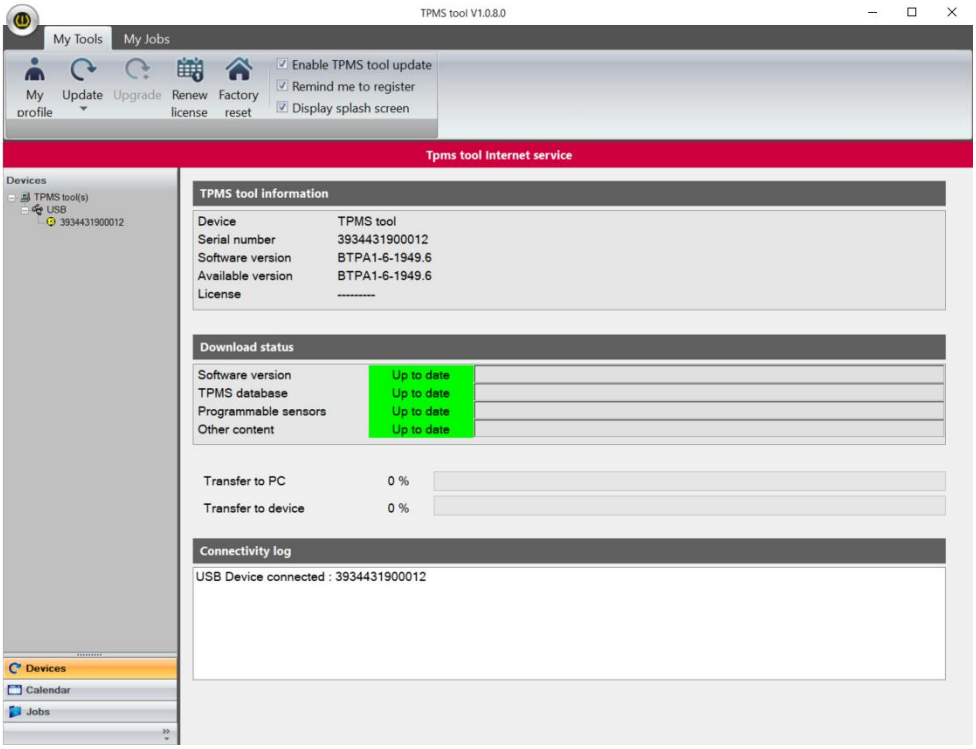
Please call your distributor to purchase a new subscription code.

Click on the 

button to enter the new subscription code.

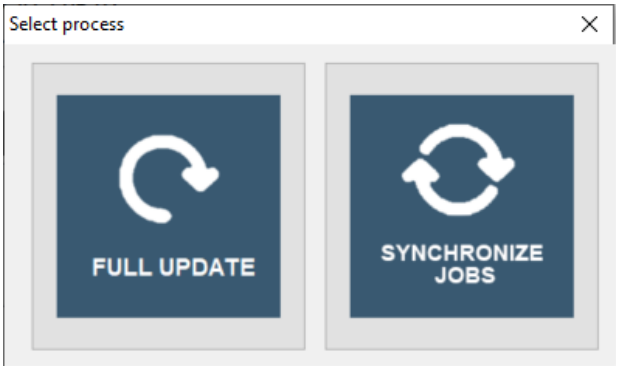
7) Main windows in the "**Update**" tab.

The software searches for the connected device. Once detected, the software connects to the Internet server and confirms if the connection is established.



8) TPMS Tool start:

When a device is detected, the software prompts you with two choices:



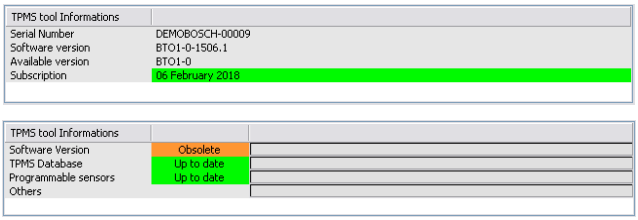
Update: to update the device to the last version. Same as the 

button.

Upload jobs: to upload all the sensor data triggered.

9) Tool information:

These windows inform you about the software and database information.



Obsolete The tool needs to be updated.

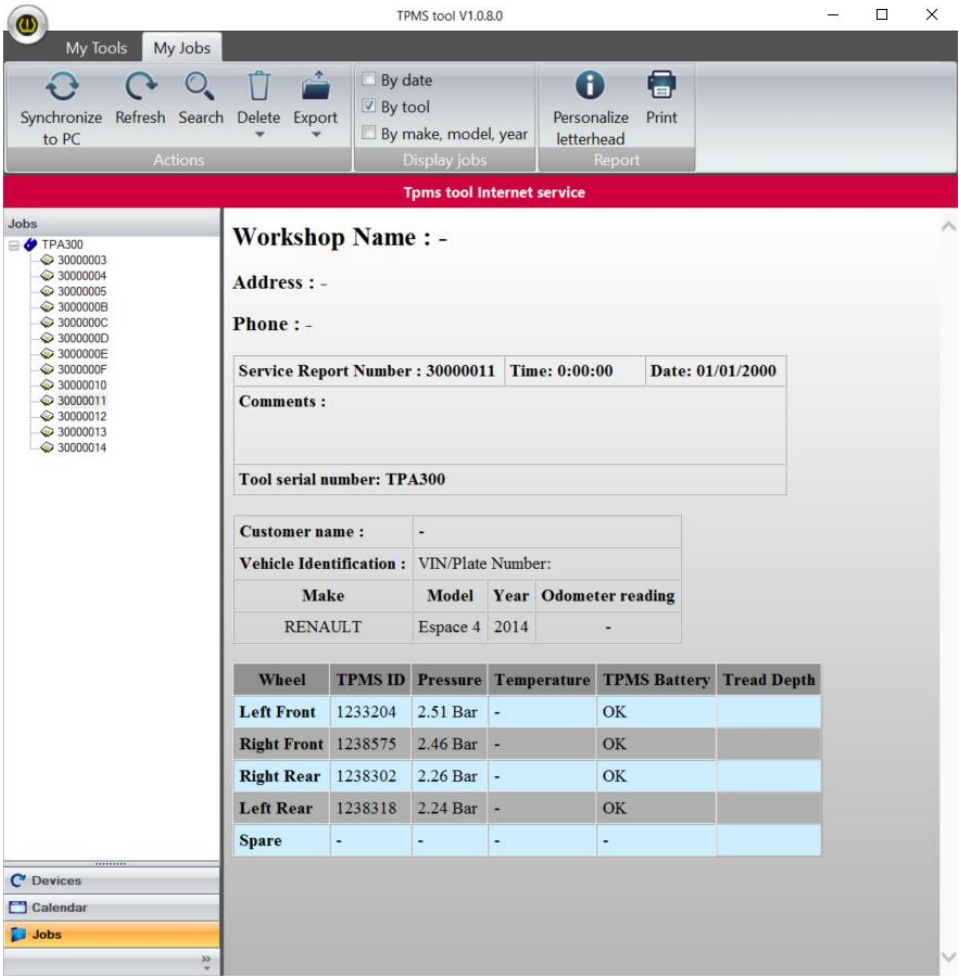
Up to date The tool is up to date.

10) Main windows in the "**Jobs**" tab.

This is to display the sensors triggered by vehicle.

To print these results click on the 

icon



11) Print example:

The results will be printed like the following example..

Workshop Name : -

Address : -

Phone : -

Service Report Number : 30000011	Time: 0:00:00	Date: 01/01/2000
Comments :		
Tool serial number: TPA300		

Customer name :	-		
Vehicle Identification :	VIN/Plate Number:		
Make	Model	Year	Odometer reading
RENAULT	Espace 4	2014	-

Wheel	TPMS ID	Pressure	Temperature	TPMS Battery	Tread Depth
Left Front	1233204	2.51 Bar	-	OK	
Right Front	1238575	2.46 Bar	-	OK	
Right Rear	1238302	2.26 Bar	-	OK	
Left Rear	1238318	2.24 Bar	-	OK	
Spare	-	-	-	-	

3. PRINT SENSOR DETAILS

<u>Note</u>: This feature is available after the user has triggered the sensors in the vehicle and by retrieving from the "Recent vehicle" menu.

The following process is right for the printer model : **BRIGHTEK Mobile Printer**. Operation is not guaranteed for other infrared printer models.

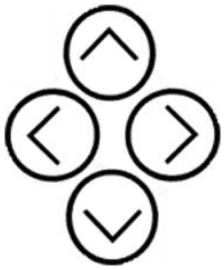
1) Power on the printer, press the  button until the green light is flashing  .

2) The printer will be ready when the battery light is on  .

The  button is for feeding the paper.

Note*: the link between the tool and the printer is infrared.*

```
TOYOTA
RAV4
2012
---- LEFT  FRONT ----
Sensor ID : E89D500
Pressure : 0.03 Bar
Temperature :  23 C
Battery state: OK
---- RIGHT FRONT ----
Sensor ID : 2A6E100
Pressure : 0.08 Bar
Temperature :  23 C
Battery state: OK
---- RIGHT REAR ----
Sensor ID : 559E00F
Pressure : 0.03 Bar
Temperature :  26 C
Battery state: OK
---- LEFT  REAR ----
Sensor ID : 559FA29
Pressure : 0.03 Bar
Temperature :  25 C
Battery state: OK
```



3) Select the  icon using the arrow keys.

4) Print the results by pressing **Enter**.

 = Print

 = Previous

4. LIMITED WARRANTY / CERTIFIATE(S)

4.1. BOSCH® LIMITED WARRANTY (UNITED STATES)

THIS WARRANTY IS EXPRESSLY LIMITED TO ORIGINAL RETAIL BUYERS OF BOSCH® NEW OR REFURBISHED ELECTRONIC DIAGNOSTIC TOOLS ("UNITS").

- **New BOSCH® Units and Smart Cable** are warranted against defects in materials and workmanship for one year (12 months) from date of purchase.
- **Refurbished BOSCH Units and Smart Cable** are warranted against defects in materials and workmanship for 90 days from date of purchase.
- **Scope Module and Gas Module (Analyzer)** are warranted against defects in material and workmanship for one year (12 months) from date of purchase.
- **Rechargeable Batteries, Cables, Sample Cell, O2 Sensor, NOx Sensor, and Pump** are warranted against defects in material and workmanship for 90 days from date of purchase.
- This warranty does not cover consumable items, including, without limitation, non-rechargeable batteries, filters, printer paper, calibration gas, case, or probe/hose assembly.
- This warranty only covers products manufactured by BOSCH®. BOSCH® will pass through to the original purchaser all manufacturers warranties. For all products manufactured by third parties, please see the original manufacturer's warranty for details.

This Warranty is only valid to the original purchaser of the Unit and is not transferable. All warranty claims must be made within the warranty period and proof of purchase must be supplied. This Warranty does not cover the cost of freight to return the Unit to BOSCH®. This Warranty does not cover any Unit that has been abused, altered, opened, worn out, contaminated, used for a purpose other than that for which it was intended, or used in a manner inconsistent with instructions regarding use. This Warranty does not cover battery leakage. The sole and exclusive remedy for any Unit found to be defective is repair or replacement, at the option of BOSCH® . In no event shall BOSCH® be liable for any direct, indirect, special, incidental or consequential damages (including lost profit) whether based on warranty, contract, tort or any other legal theory. The existence of a defect shall be determined by BOSCH® in accordance with procedures established by BOSCH®. No one is authorized to make any statement or representation altering the terms of this warranty.

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Technical Support

If you have any questions on the operation of the product, please call (800) 533-6127.

Repair Service

- Please contact Technical Support for troubleshooting and service options prior to sending any unit in for repair.
- To send a unit in for repair, go to www.repairtrack.bosch-automotive.com and follow the online instructions. This web site will also have the latest Service policies and service center locations. If you do not have internet access, please call (800) 344-4013.

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Bosch Automotive Service Solutions
655 Eisenhower Drive
Owatonna, MN 55060
Phone 800-533-6127
FAX 507-455-7451

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6. SAFETY BATTERY AND CHARGE INFORMATION

You must read and understand these safety instructions and warnings before using or charging your lithium polymer batteries.

Operating environment

Remember to follow any special current regulations any area, and always switch off your device when its use is prohibited or when it may cause interference or danger.

Use the device only in its normal operating positions.

Your device and its enhancements may contain small part. Keep them out of the reach of small children.

About Charging

Use only the charger supplied with your device. Use of another type of charger will result in malfunction and/or danger.

When the red LED turns off, the charge is complete.

About the Charger

Do not use the charger in a high moisture environment. Never touch the charger when your hands or feet are wet.

Allow ventilation around the charger when using it. Do not cover the charger with paper or other objects that will reduce cooling. Do not use the charger while it is inside a carrying case.

Connect the charger to a proper power source. The voltage requirements are found on the product case and/or packaging.

Do not use the charger if the wires become damaged. Do not attempt to service the unit. There are no serviceable parts inside. Replace the unit if it is damaged or exposed to excess moisture.

This charger is not a toy and should not be used by children or infirm persons without proper training or supervision.

Do not use it as a power source.

Unplug it before attempting to service or clean it.

About the Battery

CAUTION*: This unit contains an internal Lithium Polymer battery. The battery can burst or explode, releasing hazardous chemicals. To reduce the risk of fire or burns, do not disassemble, crush, pierce or dispose of the battery or the instrument in fire or water, do not short circuit or short the contacts with a metal object.*

Use a specified charger approved by the **BOSCH** manufacturer and supplied with the device.

The tool must be returned to the factory for battery replacement.

Opening the tool or tampering with the seal placed on the tool, if broken will void the warranty

Safety for Lithium Polymer battery use

NEVER leave the battery unattended during the charging process. The device must imperatively be placed on a non-flammable surface during charging (ceramic platter or metal box).

Charge the Lithium Polymer battery **ONLY** with the charger provided.

NEVER use a Ni-MH (Nickel Metal Hydride) type battery charger to charge a Lithium Polymer battery.

If the battery begins to overheat more than **60°C** (140°F), **STOP IMMEDIATELY** the charge. The battery should **NEVER** exceed **60°C** (140°F) during the charging process.

NEVER charge the battery immediately after use and while still hot. Leave it cool down to ambient temperature.

If you see some smoke or some liquid out of the battery, stop the charge immediately. Disconnect the charger and place the tool in an isolated area for at least 15 minutes. **DO NOT USE THE BATTERY AGAIN**, return the device to your seller.

Keep a fire extinguisher for electrical fires handy while charging the battery. In the unlikely event that the Lithium Polymer battery will ignite, **DO NOT** use water to extinguish the fire, take some sand or fire extinguisher described above.

It must neutralize the Lithium Polymer battery elements unusable. The neutralization process must be performed with very strict security fit. It is recommended that you return us the tool, we will collect the battery out of use and gives to a specialized recycler.

Do not dispose of Lithium Polymer batteries to the dustbin.

The Lithium Polymer battery is not suitable for children under 14 years. Do not let a Lithium Polymer battery reach of children

To prevent leakage or other hazards, do not store batteries above **60°C** (140°F). Never leave the battery inside a car (for example) where the temperature could be very high or in a place where temperatures could exceed **60°C** (140°F). Store the battery in a dry place to avoid contact with liquid, whatever the type. Store the battery only on a nonflammable

surface, heat resistant, non conductive and away from all flammable materials or sources. Always store the battery out of reach of children.

A Lithium Polymer battery should be stored with a minimum charge of **30%**. If you store completely discharged, it will quickly become unusable.

If you don't use the battery for a long time, you have to regularly charge the battery (every 6 months) to be over the minimum charge of **30%**.

If you don't follow these safety precautions, you may cause serious personal injury and damage to property; you may even cause a fire!

The **BOSCH** Company disclaims any responsibility for damage sustained in case of non compliance with these safety instructions.

Using a Lithium Polymer battery has a high risk of fires and can cause serious damages to property and persons, the user agrees to accept the risk and responsibility.

The **BOSCH** Company couldn't control the proper use of the battery for each customer (charge, discharge, storage etc.); it can not be held responsible for damage to persons and property

7. FEDERAL COMMUNICATION COMMISSION INTERFERENCE 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 Rules. 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 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.

8. INDUSTRY CANADA STATEMENT

This device contains license-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada’s license-exempt RSS(s). Operation is subject to the following two conditions:

(1) This device may not cause interference
(2) This device must accept any interference, including interference that may cause undesired operation of the device

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

(1) L'appareil ne doit pas produire de brouillage
(2) L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Radiation Exposure Statement:

This equipment complies with Canada radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 10cm between the radiator & your body.

Déclaration d'exposition aux radiations: Cet équipement est conforme aux limites d'exposition aux radiations définies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé à une distance minimale de 10cm entre l'élément rayonnant et votre corps.

9. RECYCLING

Do not dispose of the rechargeable Lithium-Ion battery or the tool and/or it accessories to the dustbin.

These components must be collected and recycled.

The crossed-out wheeled dustbin means that the product must be taken to separate collection at the product end-of life. This applies to your tool but also to any enhancements marked with this symbol. Do not dispose of these products as unsorted municipal waste. For further information, please contact BOSCH.

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