User guide

TPMS TOOL

1. SPECIFICATIONS

Battery Type:	Rechargeable Lithium Ion
Battery Life:	Approximately 1,000 activations per full charge.
Dimensions (Max. L,W,D):	7.9" x 4.7" x 1.6" (20.0 cm x 12.0 cm x 4.0 cm).
Case Material:	High Impact ABS.
Response Frequency:	Main frequencies: 315 MHz and 433.92 MHz (supporting most specific frequencies).
Low Battery Indication:	LCD bar graph display.
Weight:	Approx. 2 lbs.
Temperatures:	Operating: -4° F to 131° F (-20° C to +45° C).
	Storage: -4° F to 131° F (-20° C to +45° C).

Product content:

 ➢ VT56 TPMS Instrument.
 ➢ USB cable.
 ➢ RJ45 cable.

Option accessories:

 ➢ OBDII Module.
 ➢ Re-Learn Magnet (option).
 ➢ Docking Station (option).
 ➢ IrDA Printer (option).
 ➢ Tire Tread Depth device (option)

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.

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. FUNCTION KEYS

⏻	Power ON /OFF switch	📶	Test or trigger sensor.
OK	Next, continue or confirm.	C	Cancel, previous step.
▲	Navigate to select "**up**".	▼	Navigate to select "**down**".
◄	Navigate to select "**left**".	►	Navigate to select "**right**".

Battery status

Result lights

Battery charge indicator

Trigger light

4.1. HEADER ICONS

The tool is plugged on USB.

The OBD module is plugged to the tool.

The Bluetooth is on (not available).

The Wifi is on (not available).

Wifi signal strength = 100%; = 66%; = 33%.

A message is arrived (not available).

SD card is inserted.

Battery status.

The "**Tire Tread Depth**" option is plugged to the device.

4.2. BOTTOM ICONS

This icon is to back to the home page.

This icon must be selected to send sensor data to the ECU.

This icon is to delete the current sensor data displayed.

This icon is to send the sensor data to the printer.

This icon is to edit the job info.

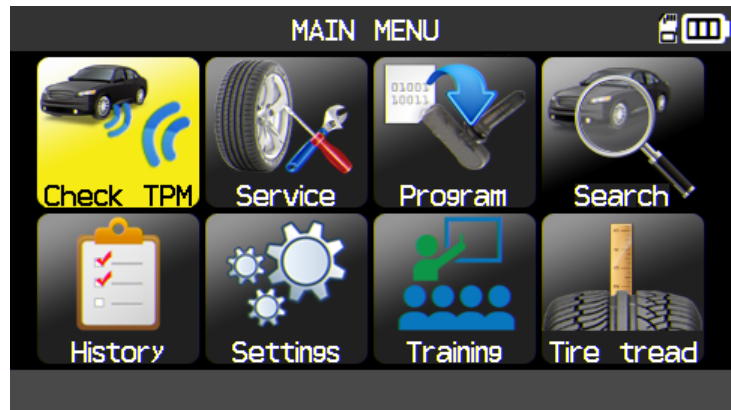This icon is to paste sensors.

5. POWER ON

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

The tool displays the start screen.

Wait a few seconds and the tool displays the main menu.

The tool is ready to operate.

To power off the tool, press and hold (about 3 seconds) the key.

6. OPERATING INSTRUCTIONS

6.1. TPMS TOOL OVERVIEW

Read and diagnose sensors, **OBD2 ECU** reset and transfer data to **ECU**.

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

Service Procedure

Section 1.0: 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.

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

Perform tire/wheel service.

For vehicles that require retraining, please see to Section 2.0

Section 2.0: Learning TPM System

With the vehicle in learn mode, begin by triggering the driver's front left (LF) wheel sensor. Some vehicles will provide an audible chirp confirming that the sensor ID has been learned by the vehicle on board computer.

The communication between the sensor and the on board computer is also confirmed on LCD display of the **TOOL**.

The same procedure should be followed on all wheel sensors, in a clockwise rotation, until all the vehicle sensors have been retrained.

After triggering the driver's rear wheel sensor, some vehicles will chirp twice indicating that the TPM system has been retrained.

For vehicles that do not require retraining, we recommend you trigger each wheel sensor, one final time, to make sure they are working correctly prior to releasing the vehicle to the customer.
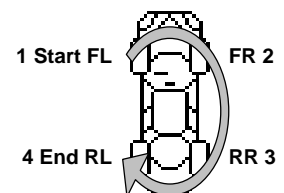
1 Start FL   **FR 2**

4 End RL   **RR 3**
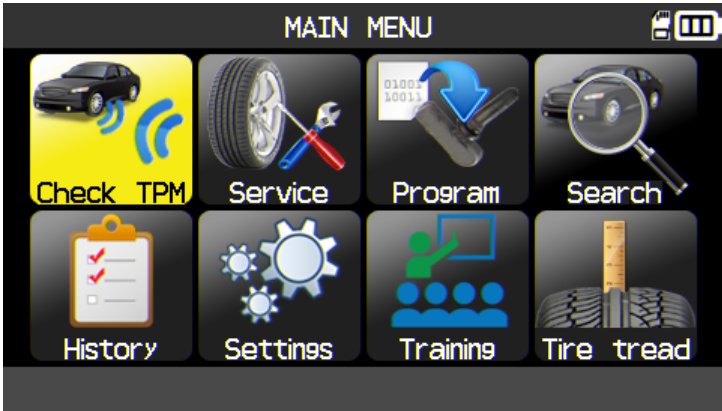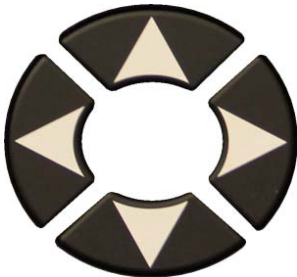
Fig. 1

VT56 USE

IMPORTANT:

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.

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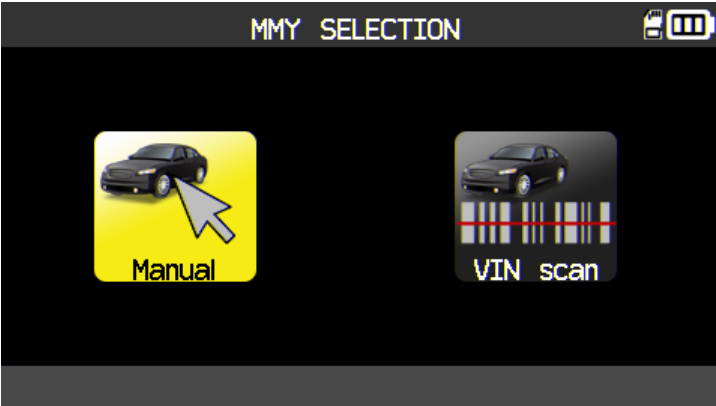
1. CHECK SENSOR

This is to trigger all the sensors on the vehicle and reprogram the id's in the ECU through OBD port.

MAIN MENU

Check TPM   Service   Program   Search

History   Settings   Training   Tire tread
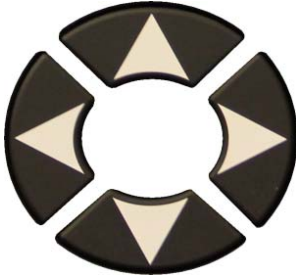
OK

Continue

1.1. SELECT THE MMY SELECTION MODE

US version only or America zone selected. This is to choose the MMY selection mode manually or with the VIN bar code of the vehicle.

MMY SELECTION	
Manual	VIN scan

OK = Continue

1.2. SELECT CAR MANUFACTURER

VEHICLE SELECTION

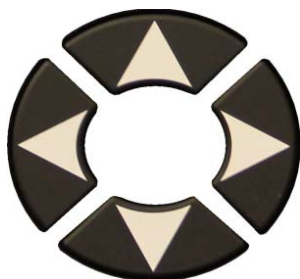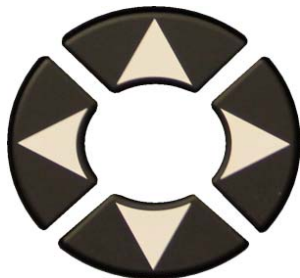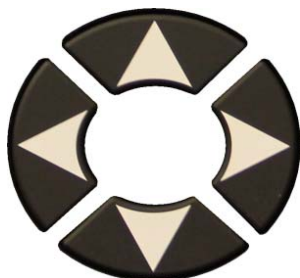|	
MAZDA	SATURN
MERCEDES	SCION
MERCURY	SMART
MINI	SUBARU
MITSUBISHI	SUZUKI
NISSAN	TESLA
PLYMOUTH	TOYOTA
PONTIAC	VOLKSWAGEN
PORSCHE	VOLVO
ROLLS ROYCE	
SAAB	

OK = Continue

C = Previous

1.3. SELECT VEHICLE MODEL

TOYOTA

4 Runner	Prius	Tundra
Avalon	Prius C	Tundra 4x2
Camry	Prius V	Venza
Camry Hybrid	RAV4	Yaris
Corolla	RAV4 Canadia	
FJ-Cruiser	RAV4 XLE Can	
GT86	Sequoia	
Highlander	Sienna	
Highlander H	Sienna LE	
Land Cruiser	Solara	
Matrix	Tacoma	

OK = Continue

C = Previous

1.4. SELECT YEAR

TOYOTA/RAV4

```
2005
2006                  2015
2007
2008
2009
2010
2011
2012
2013  <02
2013  >03
2014
                              VIN
```

OK = Continue

C = Previous

If year is unknown, select the **VIN** button.

TOYOTA/RAV4

```
2005
2006                  2015
2007
2008
2009
2010
2011
2012
2013  <02
2013  >03
2014
                              VIN
```

OK = Continue

C = Previous

The following screen displays the VIN location on the vehicle.

TOYOTA/RAV4 III

OK = Continue

C = Previous

Check the 10th character of the VIN and select it.

10th CARACTER OF VIN #

8HGBH41JX **C** N109186

```
1 2 3 4 5 6 7 8 9 A
B C D E F G H J K L
M N P R S T V W X Y
                ⌫ ↵
```
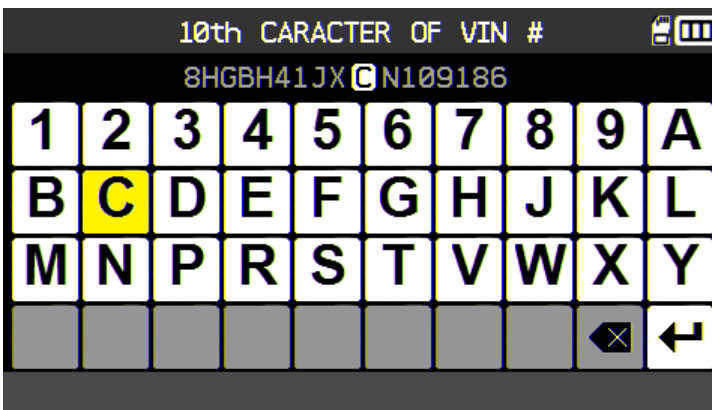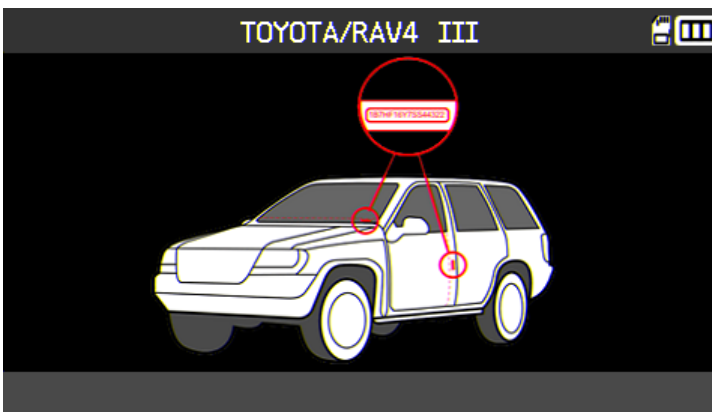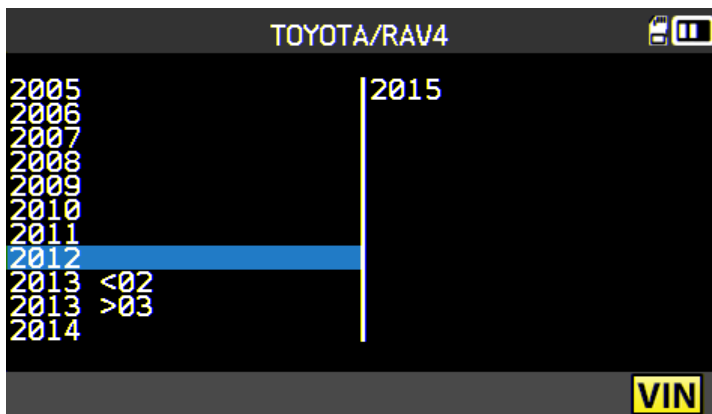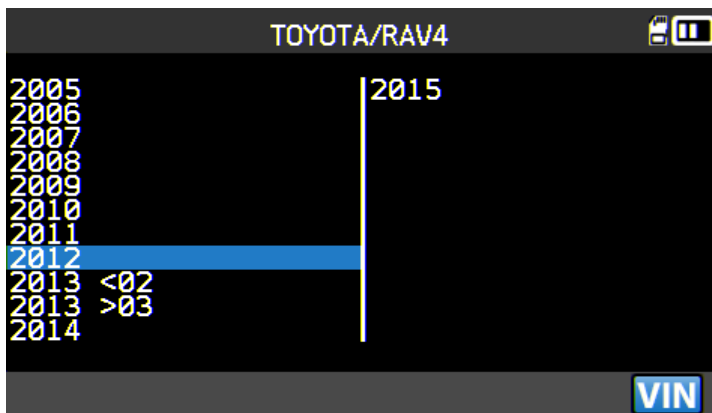
OK = Continue

C = Previous

Confirm the
selection.

```
10th CARACTER OF VIN #
8HGBH41JX C N109186
1 2 3 4 5 6 7 8 9 A
B C D E F G H J K L
M N P R S T V W X Y
                        ⌫  ↵
```

OK

= Continue

C
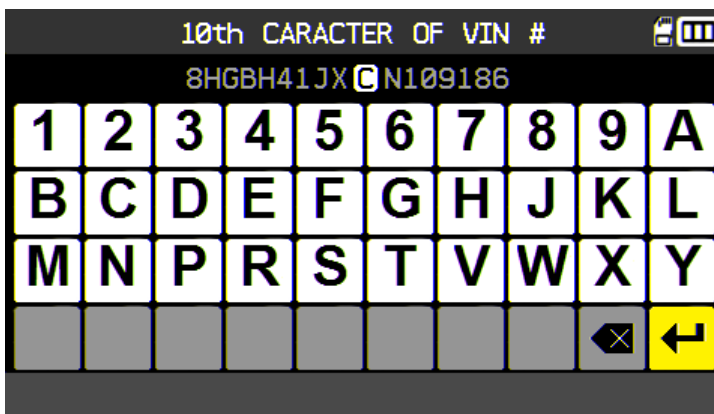
= Previous

The device confirms
the year.

```
TOYOTA/RAV4
2012
```

OK

= Continue

C
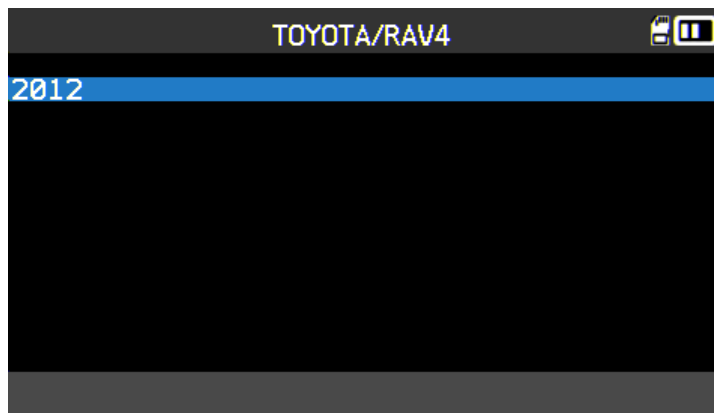
= Previous

1.5. SELECT THE NUMBER OF WHEELS

```
TOYOTA/RAV4/2012
4 WHEELS
5 WHEELS
```
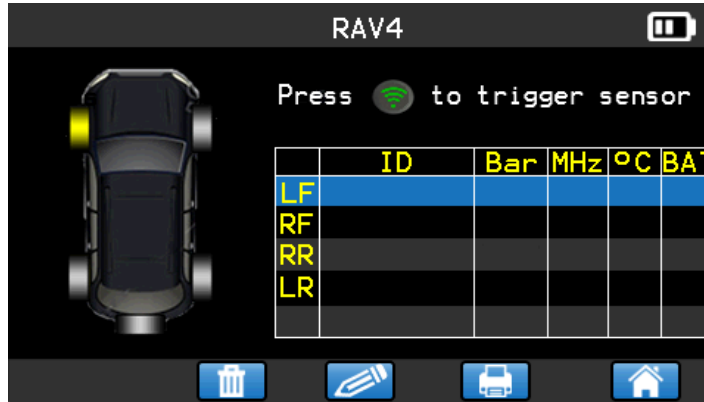
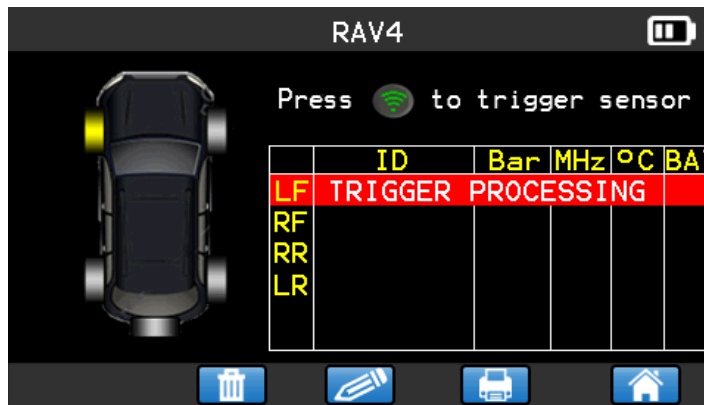OK

= Continue

C
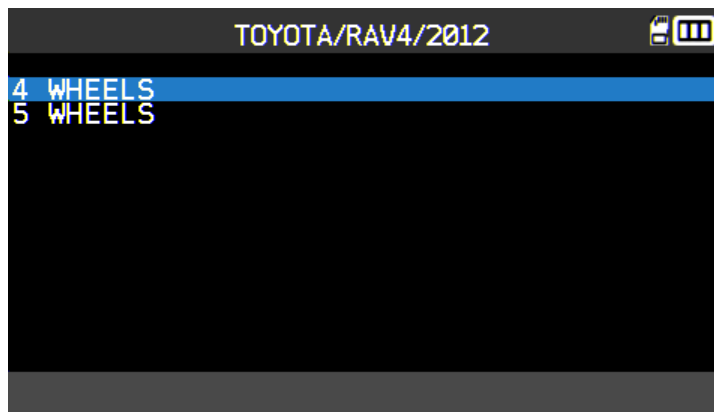
= Previous

1.6. TEST SENSORS

The tool is ready to trigger sensors.

To scroll wheels.

The tool is triggering the sensor.

LF

Pass

The tool is triggering the sensor.

OK = Continue   **C** = Previous and erase results

Trigger all wheels.

RF   **Pass**

RR   **Pass**

LR   **Pass**

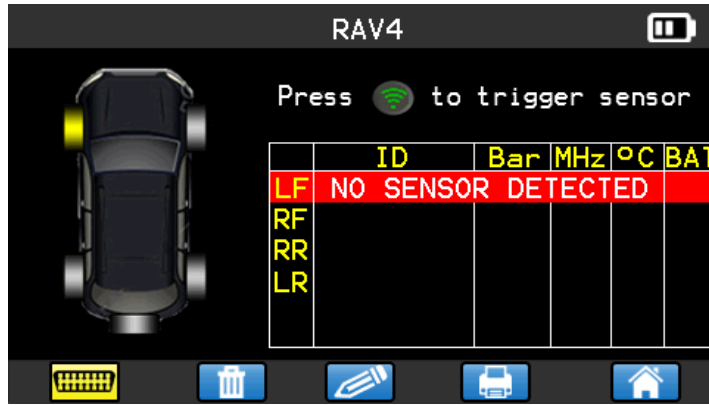|	ID	Bar	MHz	°C	BAT
LF	E89D500	2.20	315	22	OK
RF	2A6E100	2.20	315	22	OK
RR	55411BD	2.10	315	22	OK
LR	559E00F	2.10	315	22	OK

OK = Continue   **C** = Previous and erase results

The tool has not detected a sensor. Try again.

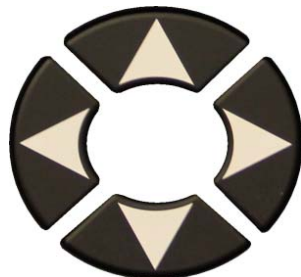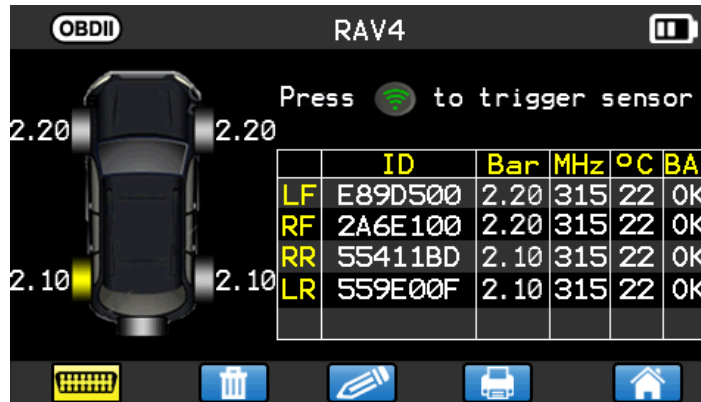**OK** = Continue   **C** = Previous and erase results   ▼ = Next wheel.

1.7. REPROGRAM ECU THROUGH OBD2 PORT

After all sensor IDs are read and displayed on the tool, connect **OBD** module to the tool. The **OBDII** icon appears on the header to confirm.

Plug **OBD2** module to the **OBD2** port on vehicle, and turn ignition on.
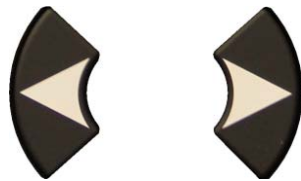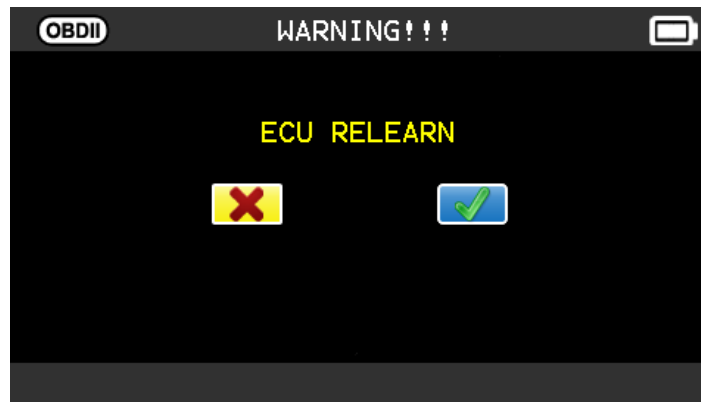

Select the OBD button.

OK = Continue   **C** = Previous

The device prompts you to continue.

Select ✔

OK = Continue   **C** = Previous

*Note: Keep the engine **OFF**.*

OBDII

CONNECT OBD2 MODULE IGNITION ON

OK

= Continue

C

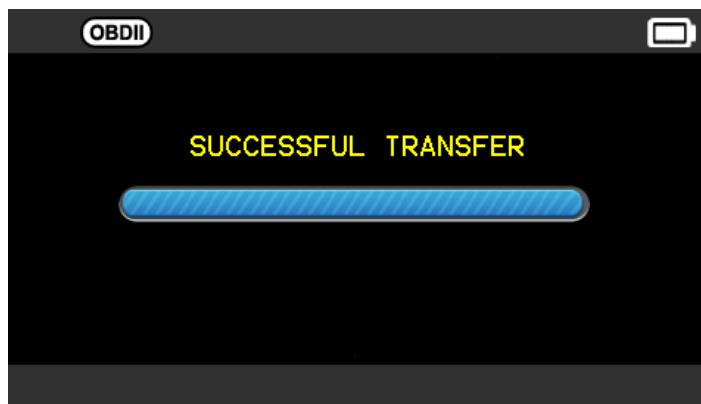= Previous

OBDII

CHECK CONNECTION AND IGNITION KEY

OK

= Continue

C

= Previous

The transfer begins. The following messages appear briefly.

CONNECTED

TRANSFER OK

VERIFY OK

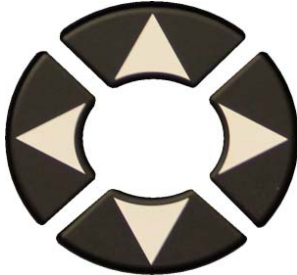SUCCESSFUL TRANSFER

OBDII

SUCCESSFUL TRANSFER

C

= Previous

The data transfer to the **ECU** is complete. **OBD2** module must be unplugged from the **DLC** connector.

1.8. CUSTOMER PERSONALIZATION

This is to personalize the results of the vehicle with its information, Customer name, license plate number, VIN number and the mileage. This information will be written on the printed label.
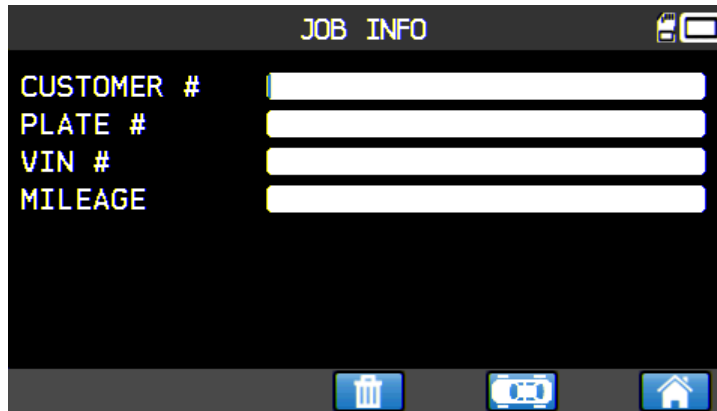
Select the edition button 🖊.

```
TOYOTA/RAV4 III/2012
Press 📶 to trigger sensor
0.10          0.08
              ID      Bar  MHz  °C  BAT
        LF  2A6E100   0.10 315  22  OK
        RF  C3C33DF   0.08 315  22  OK
0.08    0.10 RR F383834  0.10 315  23  OK
        LR  C3D7836   0.08 315  22  OK
```

OK = Continue

C = Previous

The blank information screen appears, press

OK

to edit the fields.

```
JOB INFO
CUSTOMER #  [                    ]
PLATE #     [                    ]
VIN #       [                    ]
MILEAGE     [                    ]
```

OK = Continue

C = Previous

to select the character.

```
CUSTOMER #
[JOHN SMITH|                ]
A B C D E F G H I J
K L M N O P Q R S T
U V W X Y Z , . " '
- ? ; ! abc123 ◄ ⎵ ► ⌫ ↵
```
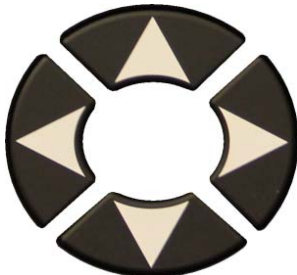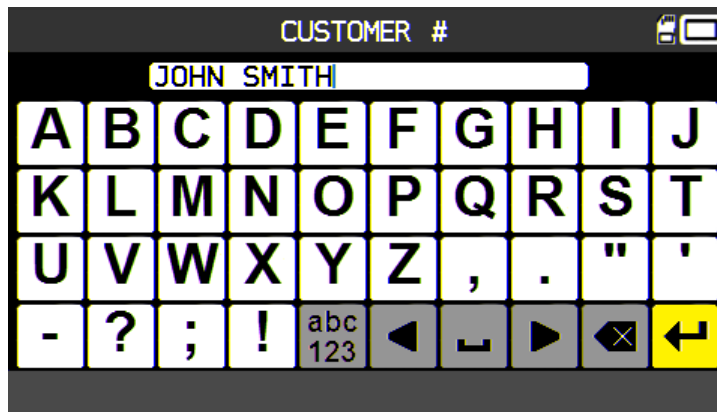
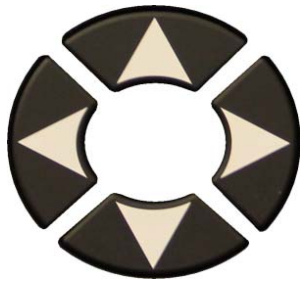OK = to validate the character

C = Previous

↵ To validate the data in the field.

⌫ To erase the last character.

Once the fields are entered, it seems like the following example (some field can stay blank):

```
         JOB INFO

CUSTOMER #   JOHN SMITH
PLATE #      AVT-056
VIN #        1G1YY1382F5580678
MILEAGE      43769
```

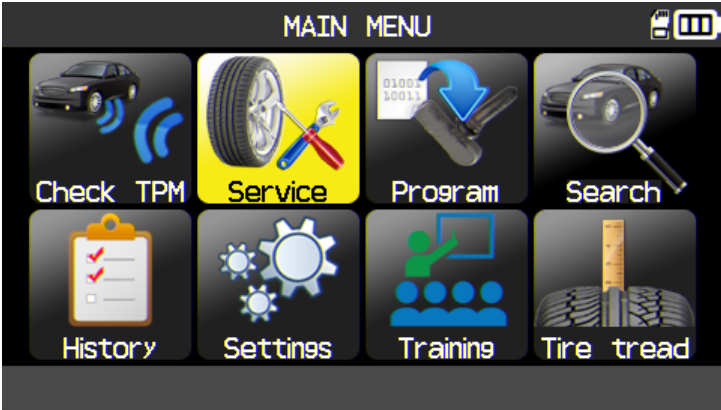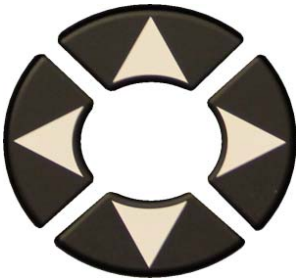to select the field or icon.

OK = Continue

C = Previous

This information will be useful, in searching menu with one of this data, to recover the previous job information, see paragraph "**Search menu**".
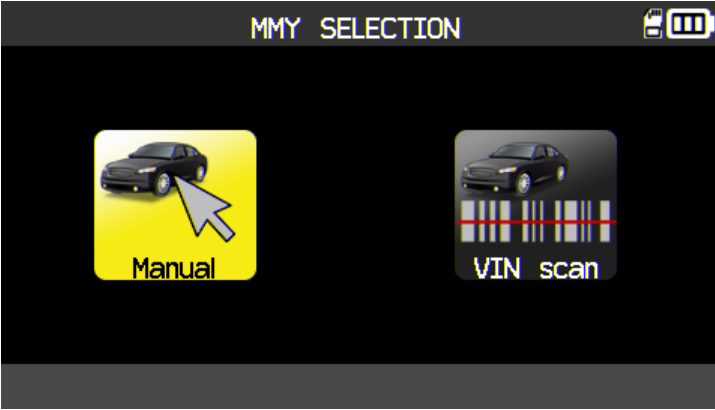
2. SERVICE TPMS

This is to service the sensors and more on the vehicle: Relearn procedure, RF detection, Part lookup, Keyfob test, Help.

MAIN MENU

Check TPM   Service   Program   Search
History   Settings   Training   Tire tread
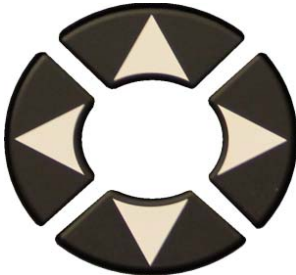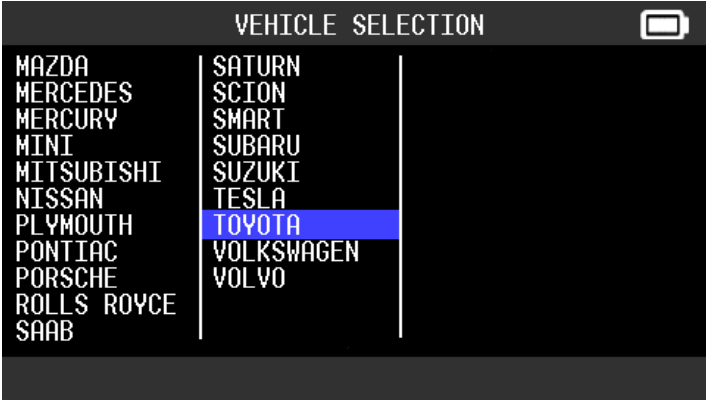
OK

Continue

2.1. SELECT THE MMY SELECTION MODE

US version only or America zone selected. This is to choose the MMY selection mode manually or with the VIN barcode of the vehicle.

MMY SELECTION

Manual   VIN scan

OK

Continue

2.2. SELECT CAR MANUFACTURER

Scroll up and down to select a vehicle make.

VEHICLE SELECTION

MAZDA	SATURN
MERCEDES	SCION
MERCURY	SMART
MINI	SUBARU
MITSUBISHI	SUZUKI
NISSAN	TESLA
PLYMOUTH	TOYOTA
PONTIAC	VOLKSWAGEN
PORSCHE	VOLVO
ROLLS ROYCE	
SAAB	

OK = Continue

C = Previous

2.3. SELECT VEHICLE MODEL

Scroll up and down to select a vehicle model.

TOYOTA

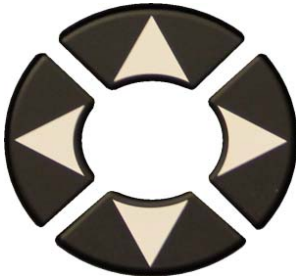|		
4 Runner	Prius	Tundra
Avalon	Prius C	Tundra 4x2
Camry	Prius V	Venza
Camry Hybrid	RAV4	Yaris
Corolla	RAV4 Canadia	
FJ-Cruiser	RAV4 XLE Can	
GT86	Sequoia	
Highlander	Sienna	
Highlander H	Sienna LE	
Land Cruiser	Solara	
Matrix	Tacoma	
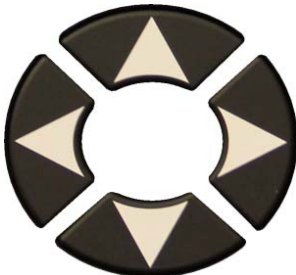
OK = Continue

C = Previous

2.4. SELECT YEAR

Scroll up and down to select a year.

TOYOTA/RAV4

2005		2015
2006		
2007		
2008		
2009		
2010		
2011		
2012		
2013 <02		
2013 >03		
2014		

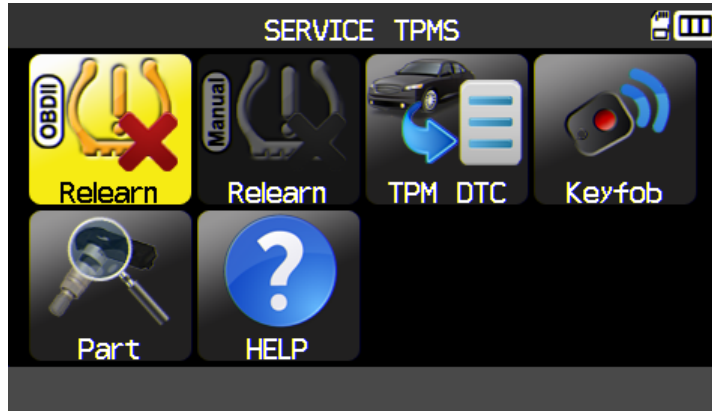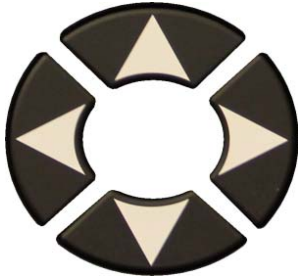**VIN**
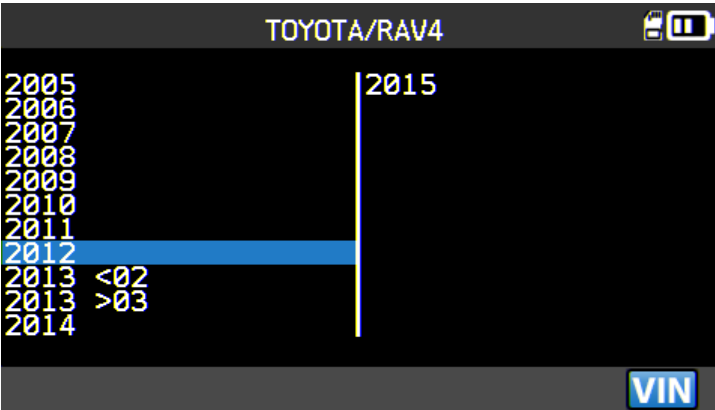
OK = Continue

C = Previous

2.5. SELECT SERVICE

The following services are available:
- Relearn OBDII or manual procedures,
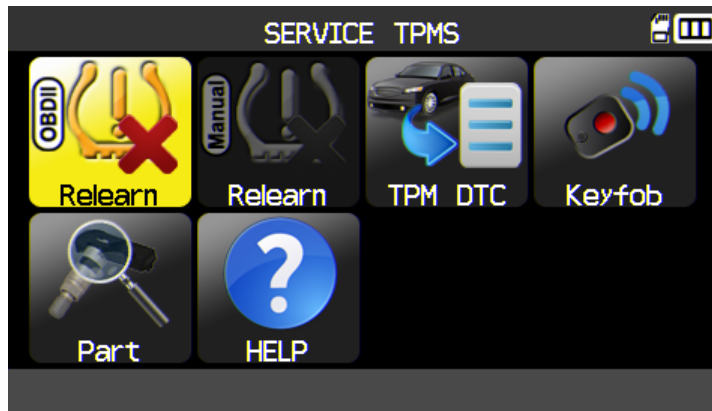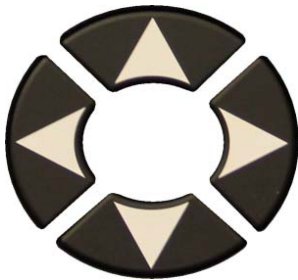- TPM DTC,
- Part lookup,
- Keyfob test,
- Help.

OK = Continue

C = Previous

2.5.1. Service "Relearn OBDII"

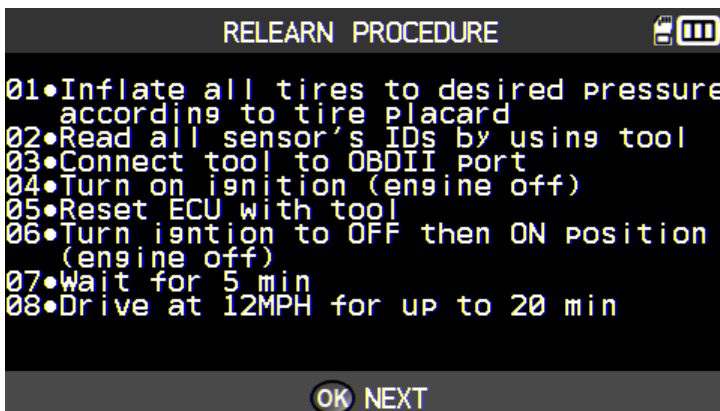This service explains the procedure to relearn the sensor on the vehicle.

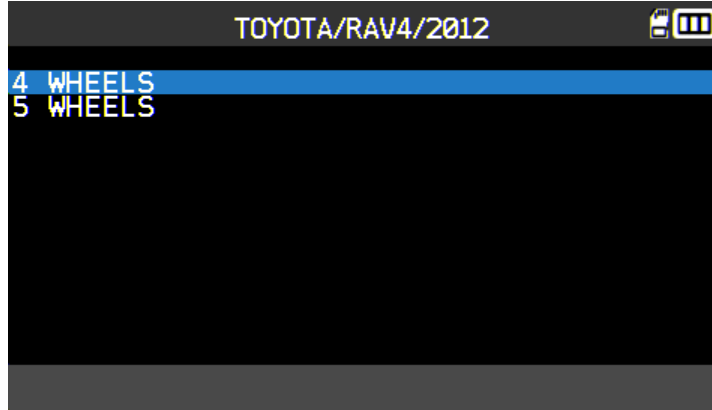OK = Continue

C = Previous

Follow instructions.

```
01•Inflate all tires to desired pressure
   according to tire placard
02•Read all sensor's IDs by using tool
03•Connect tool to OBDII port
04•Turn on ignition (engine off)
05•Reset ECU with tool
06•Turn ignition to OFF then ON position
   (engine off)
07•Wait for 5 min
08•Drive at 12MPH for up to 20 min
```

OK NEXT

OK = Continue

C = Previous

2.5.1. 1) Select the number of wheels

TOYOTA/RAV4/2012

4 WHEELS
5 WHEELS

OK = Continue

C = Previous

2.5.1. 2) Test sensors

RAV4

Press 🛜 to trigger sensor

	ID	Bar	MHz	°C	BAT
LF					
RF					
RR					
LR					

The tool is ready to trigger sensors.
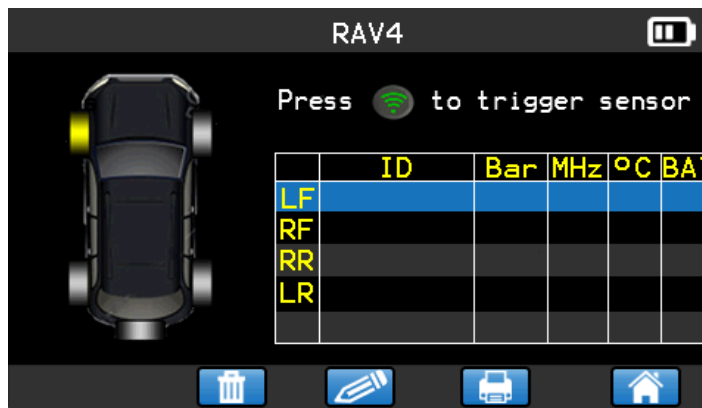
🛜 To trigger the sensor.

Proceed as "**CHECK SENSOR**".

TOYOTA/RAV4/2012

Press 🛜 to trigger sensor

1.46   0.37

0.74   0.37

	ID	PSI	Mhz	°F	BAT
LF	2A6E100	1.46	315	69	OK
RF	556AFAA	0.37	315	75	OK
RR	559E00F	0.37	315	77	OK
LR	E89D500	0.74	315	71	OK
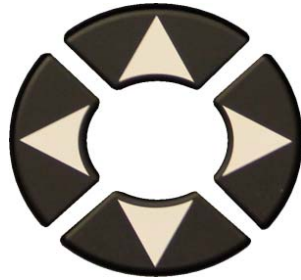
Once all sensors are triggered, select the paste Icon
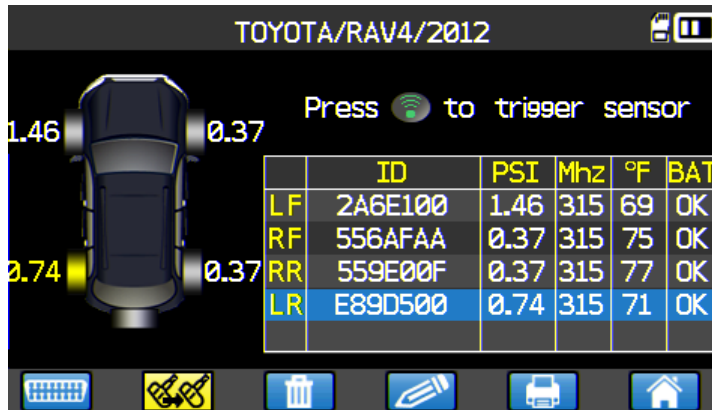
OK = Continue

C = Previous

Select the sensors model to paste.

```
CONTINENTAL REDI
EUPRO
SCHRADER EZ-sensor
T-Pro Sensor
```

OK = Continue

C = Previous

Select the wheels.

TOYOTA/RAV4/2012

Press 🛜 to paste sensor

	ID	PSI	Mhz	°F	BAT
LF	2A6E100	1.46	315	69	OK
RF	556AFAA	0.37	315	75	OK
RR	559E00F	0.37	315	77	OK
LR	E89D500	0.74	315	71	OK

1.46   0.37

0.74   0.37

🛜 To paste the sensor.

Wait a few seconds.

TOYOTA/RAV4/2012

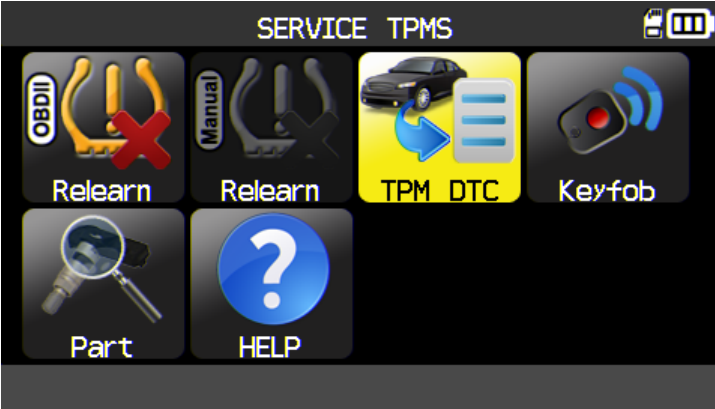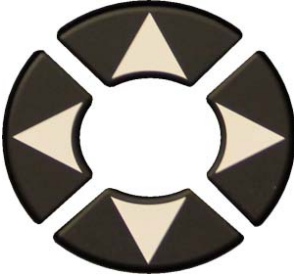PLEASE WAIT ...

UPLOADING ...
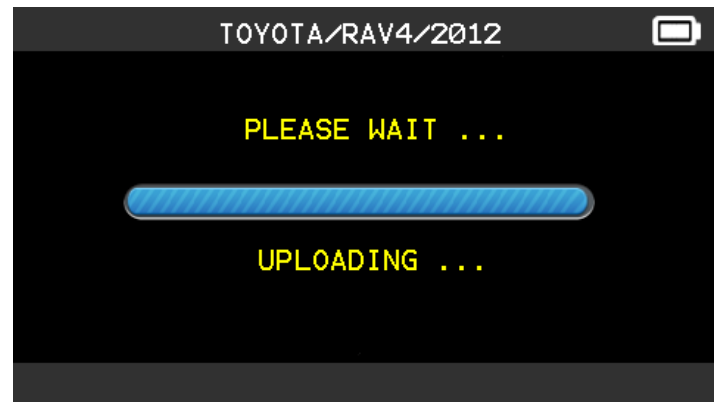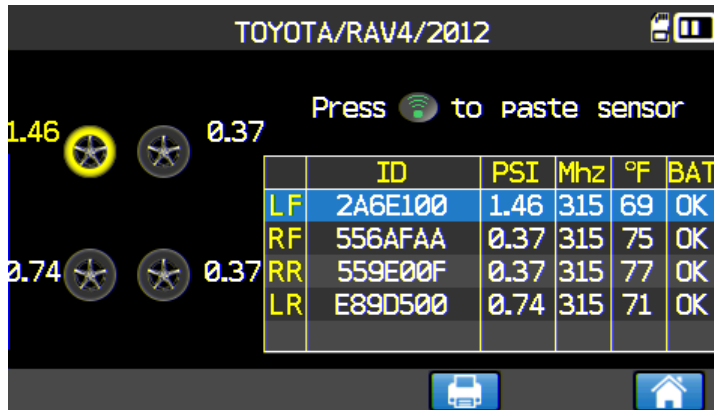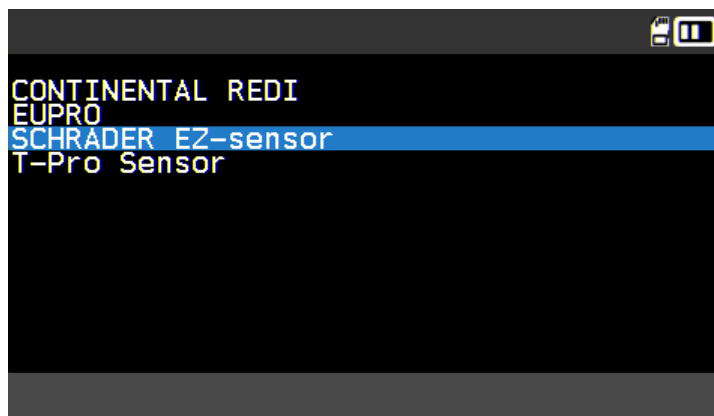
Proceed as "**Copy sensor ID section**".

2.5.2. Read TPMS DTC

DTC = Diagnostic Trouble codes.

This is for reading only the TPM codes. This menu is currently available for: Acura, Honda, Hyundai, Infiniti, Kia, Lexus, Mitsubishi, Nissan, Subaru and Toyota.

OK = Continue

C = Previous

Note: Keep the engine OFF.

OK = Continue

C = Previous

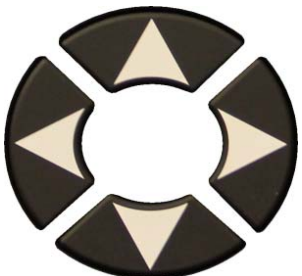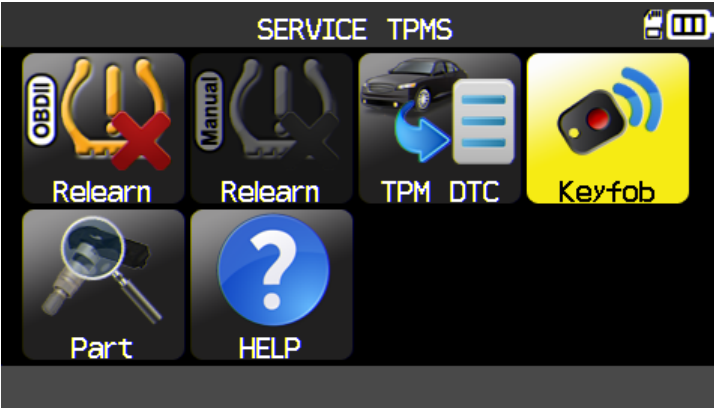Plug **OBD2** module to the **OBD2** port on vehicle, and turn ignition on.

The DTC are displayed on the screen.

2.5.3. Keyfob test
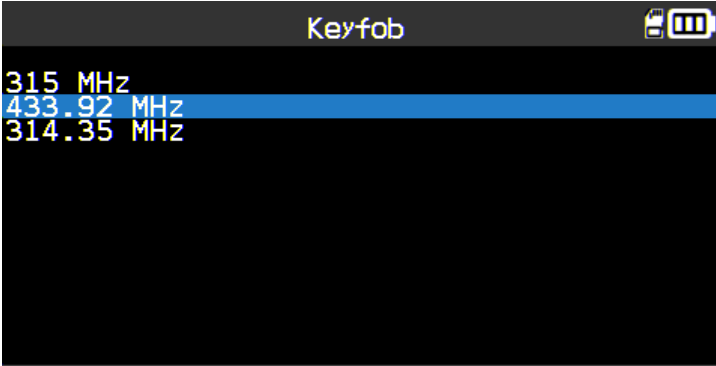
This is to test the strength of the RF signal of the keyfob.

SERVICE TPMS

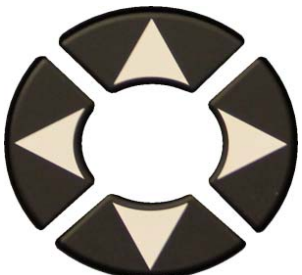Relearn   Relearn   TPM DTC   Keyfob

Part   HELP

OK
= Continue

C
= Previous
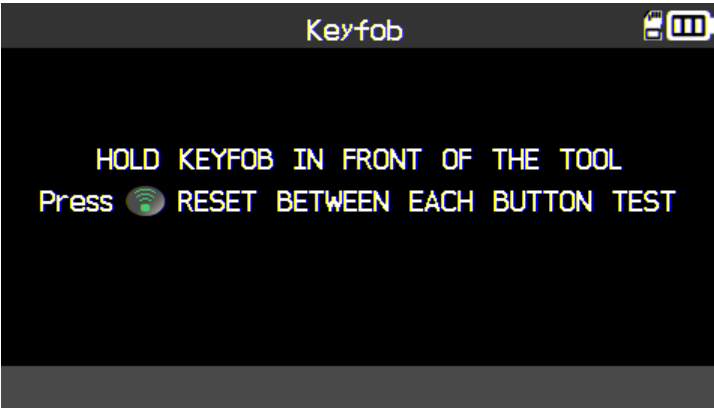
2.5.3. 1) Select the frequency

Keyfob

315 MHz
433.92 MHz
314.35 MHz

OK
= Continue

C
= Previous

2.5.3. 2) Read instructions

Keyfob

HOLD KEYFOB IN FRONT OF THE TOOL
Press 📶 RESET BETWEEN EACH BUTTON TEST

OK
= Continue

C
= Previous

2.5.3. 3) Read instructions

Press keyfob buttons.

Keyfob

0%   50%   100%
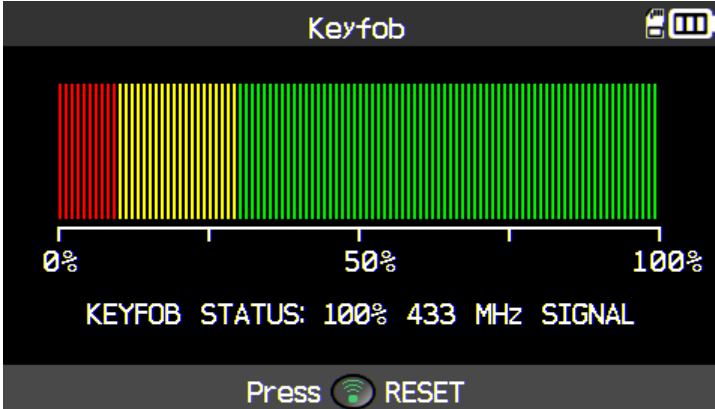
PRESS KEY FOB BUTTON
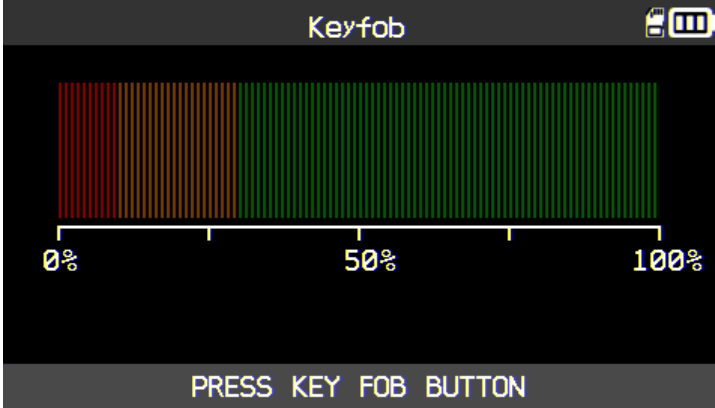
To reset the device and start a new test.

The device waits for RF signal.

2.5.3. 1) Test results

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

Keyfob

0%   50%   100%

KEYFOB STATUS: 100% 433 MHz SIGNAL

Press 🛜 RESET

To reset the device and start a new test.

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

Keyfob

0%   50%   100%
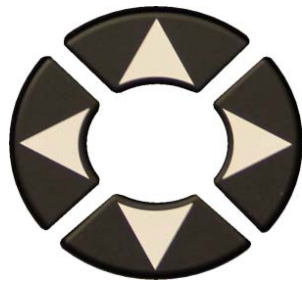
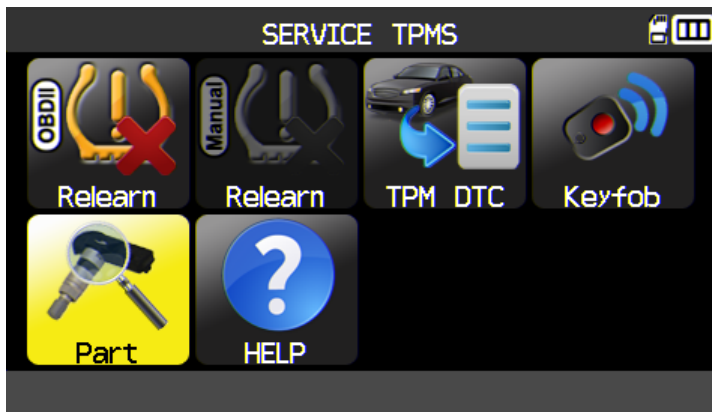KEYFOB STATUS: 26% 315 MHz SIGNAL

Press 🛜 RESET
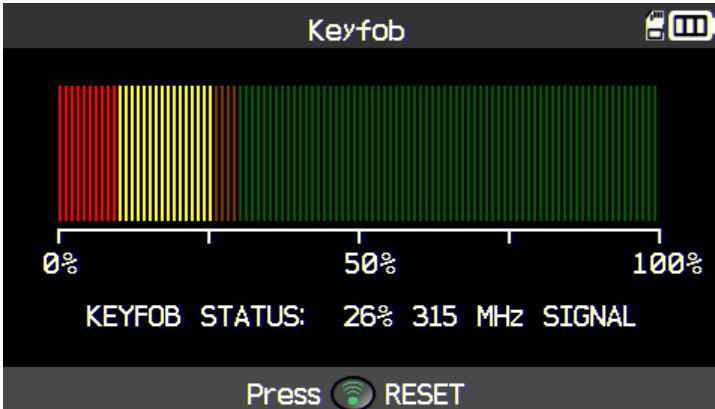
To reset the device and start a new test.

2.6. SERVICE "PART"

This is a spare parts data base for all the sensors available for all cars.

OK = Continue

C = Previous

Sensor	Part number
OE	42607-06011
DILL	1204
DORMAN	974-033
MYERS	21049
NAPA	92-1187C
O'Reilly OE/S.	42607-06020
	17-20216AK
SEARS	95300

to scroll dealer's part number.

C = Previous

Example of part suppliers:

OE	SEARS
HUF	SMP
SCHRADER	John Dow Dynamic
DILL	Continental
DORMAN	REDI SENSOR
MYERS	Simple/Qwick s
NAPA	TECH
O'Reilly OE/S	

2.7. SERVICE "HELP"

This feature is to assist the user to troubleshoot the TPMS issue.

OK = Continue

C = Previous

Select the case of the issue.

OK = Continue

C = Previous

To continue information texts.

OK = Continue

C = Previous

Follow instructions on the screen.

3. PROGRAM BLANK SENSOR

VT56 works with most known aftermarket universal programmable sensors with the options to create the new sensor IDs and /or to duplicate sensor ID(s) from original sensor(s).
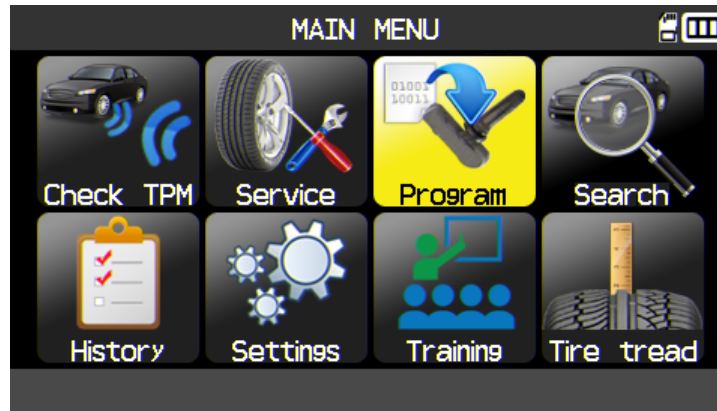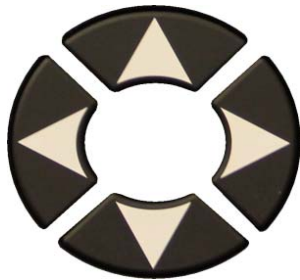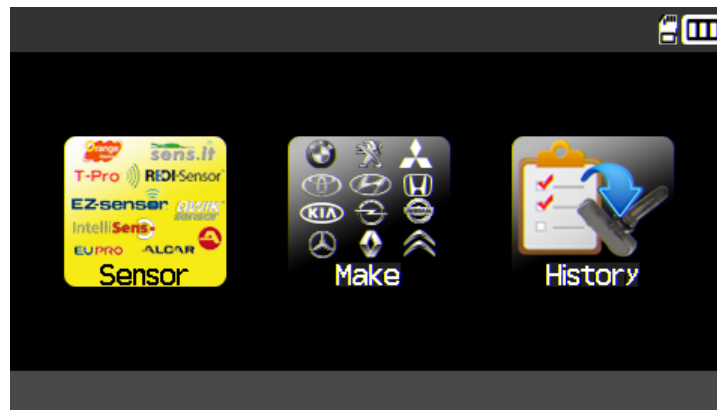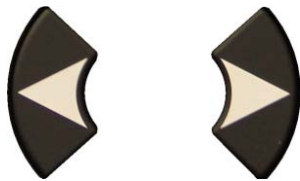

OK = Continue

C = Previous
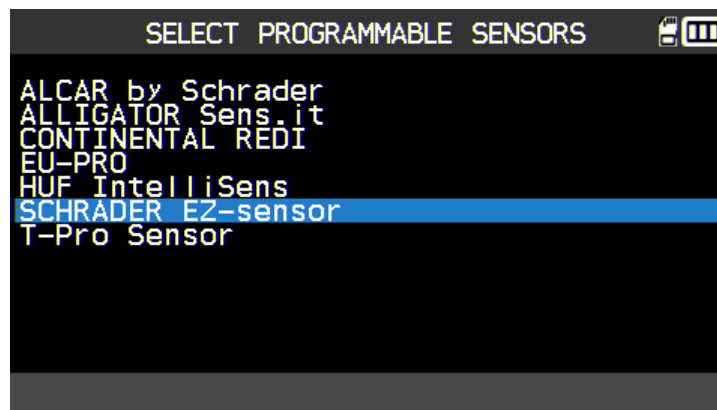
3.1. SELECTION BY SENSOR MODEL

OK = Continue
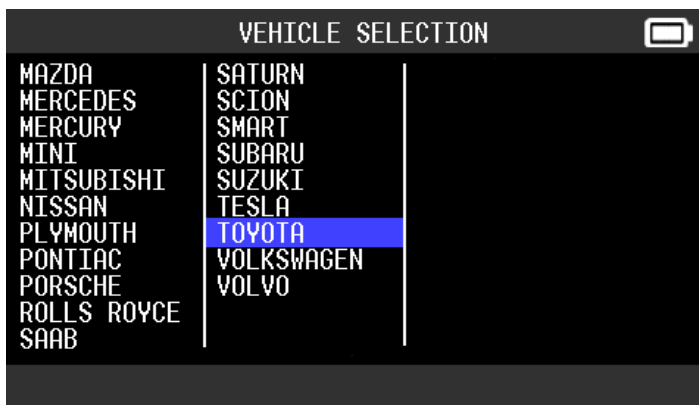
C = Previous

Scroll up and down to select a brand.

OK = Continue

C = Previous

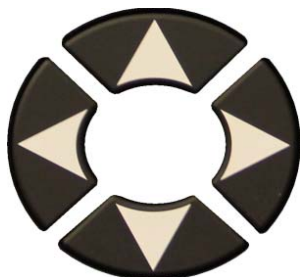Following your options, some above brands in example may change.
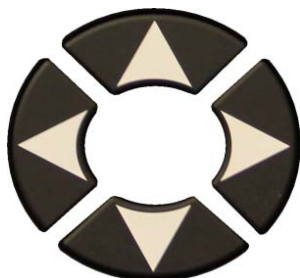
Scroll up and down to select a vehicle make.

VEHICLE SELECTION

MAZDA	SATURN
MERCEDES	SCION
MERCURY	SMART
MINI	SUBARU
MITSUBISHI	SUZUKI
NISSAN	TESLA
PLYMOUTH	TOYOTA
PONTIAC	VOLKSWAGEN
PORSCHE	VOLVO
ROLLS ROYCE	
SAAB	

OK = Continue

C = Previous

Scroll up and down to select a vehicle model.

TOYOTA

4 Runner	Prius	Tundra
Avalon	Prius C	Tundra 4x2
Camry	Prius V	Venza
Camry Hybrid	RAV4	Yaris
Corolla	RAV4 Canadia	
FJ-Cruiser	RAV4 XLE Can	
GT86	Sequoia	
Highlander	Sienna	
Highlander H	Sienna LE	
Land Cruiser	Solara	
Matrix	Tacoma	

OK = Continue

C = Previous

Scroll up and down to select a year.

RAV 4

2006
2007-2009
2010-2011
2012
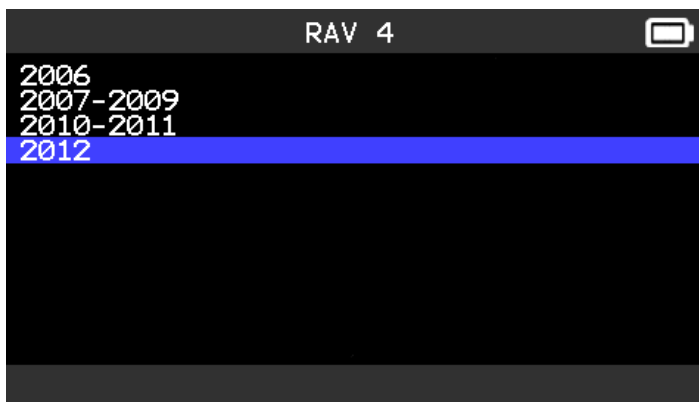
OK = Continue

C = Previous

The models of sensors are displayed, use one of these

TOYOTA/RAV4 III

Use EZ 1.0 (1000/2000/2020) or EZ 2.0 (1210/2200/2210)
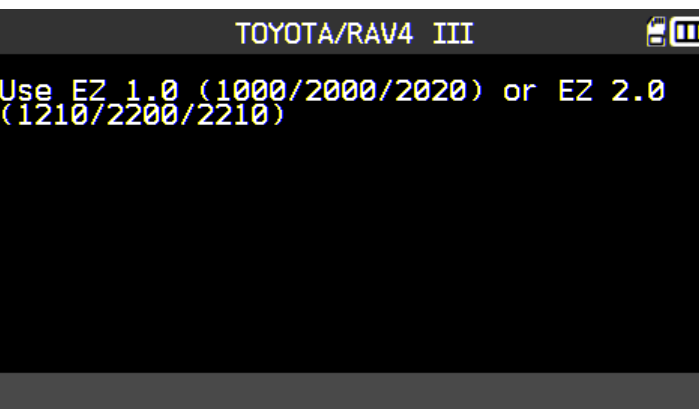
OK = Continue

C = Previous

3.2. SELECTION BY MAKE
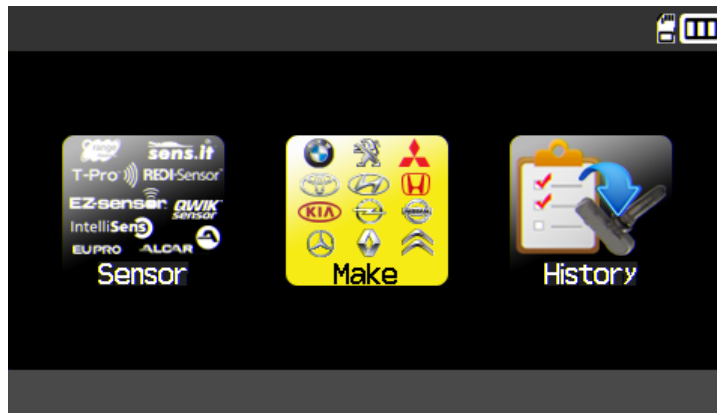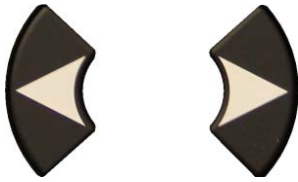
OK = Continue

C = Previous

VEHICLE SELECTION

MAZDA	SATURN
MERCEDES	SCION
MERCURY	SMART
MINI	SUBARU
MITSUBISHI	SUZUKI
NISSAN	TESLA
PLYMOUTH	TOYOTA
PONTIAC	VOLKSWAGEN
PORSCHE	VOLVO
ROLLS ROYCE	
SAAB	

Scroll up and down to select a vehicle make.

OK = Continue

C = Previous

TOYOTA

4 Runner	Prius	Tundra
Avalon	Prius C	Tundra 4x2
Camry	Prius V	Venza
Camry Hybrid	RAV4	Yaris
Corolla	RAV4 Canadia	
FJ-Cruiser	RAV4 XLE Can	
GT86	Sequoia	
Highlander	Sienna	
Highlander H	Sienna LE	
Land Cruiser	Solara	
Matrix	Tacoma	

Scroll up and down to select a vehicle model.

OK = Continue

C = Previous

RAV 4

2006
2007-2009
2010-2011
2012

Scroll up and down to select a year.

OK = Continue

C = Previous

SELECT PROGRAMMABLE SENSORS

ALCAR by Schrader
ALLIGATOR Sens.it
EU-PRO
SCHRADER EZ-sensor
T-Pro Sensor

Scroll up and down to select a brand.

OK = Continue

C = Previous

Following your options, some above brands in example may change.

TOYOTA/RAV4 III

Use EZ 1.0 (1000/2000/2020) or EZ 2.0 (1210/2200/2210)
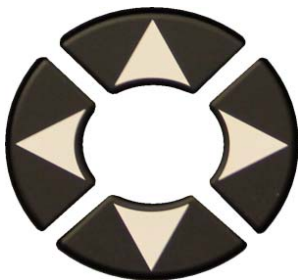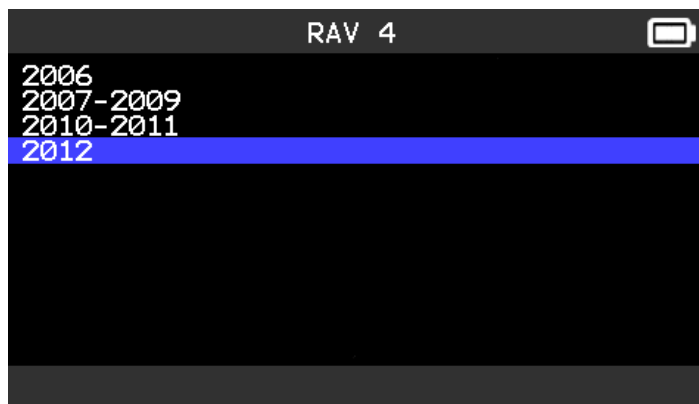
The models of sensors are displayed, use one of these
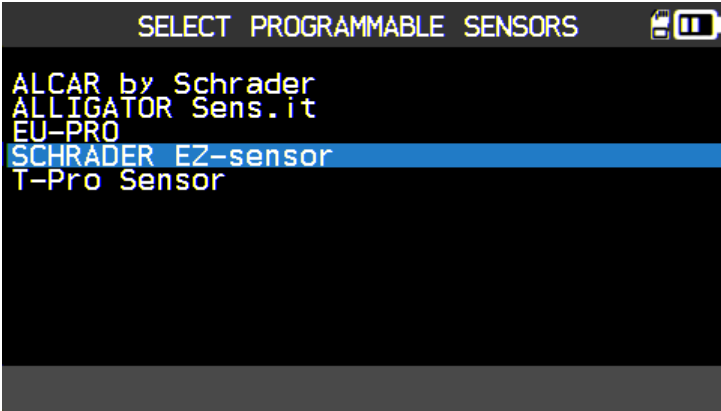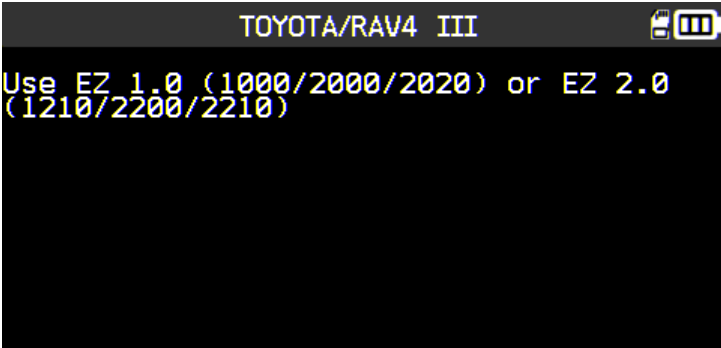
OK = Continue

C = Previous

3.3. SELECTION BY HISTORY

Sensor   Make   History
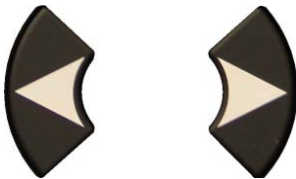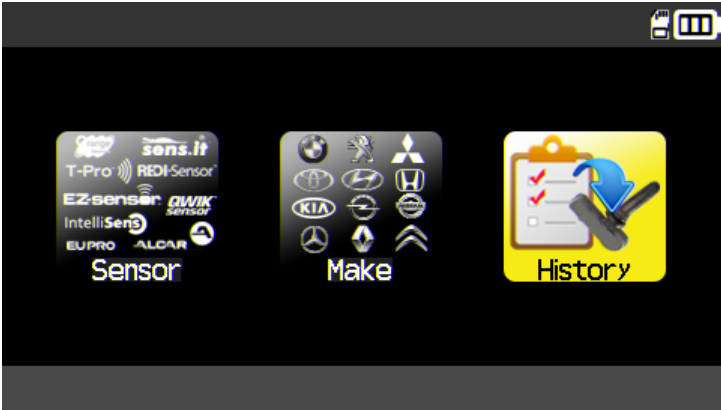
OK = Continue

C = Previous

RECENT

Make/Model/Year	Date	Reset
TOYOTA/RAV4 III/2012	11/27/2015	---
TOYOTA/RAV4 III/2012	11/27/2015	---
TOYOTA/RAV4 III/2012	11/27/2015	---
TOYOTA/RAV4 III/2012	11/27/2015	---
TOYOTA/RAV4 IV/2013	11/27/2015	---
TOYOTA/RAV4 III/2012	11/27/2015	---
TOYOTA/RAV4 /2012	09/23/2015	---
TOYOTA/RAV4 /2012	09/22/2015	---

1/18
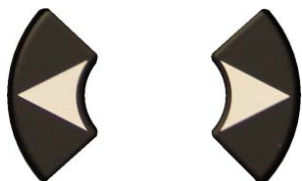
Scroll up and down to select a vehicle.

OK = Continue

C = Previous

3.4. "COPY SENSOR ID" SECTION

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

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

OK = Continue

C = Previous

Position the sensor in front of the tool antenna to check the sensor.
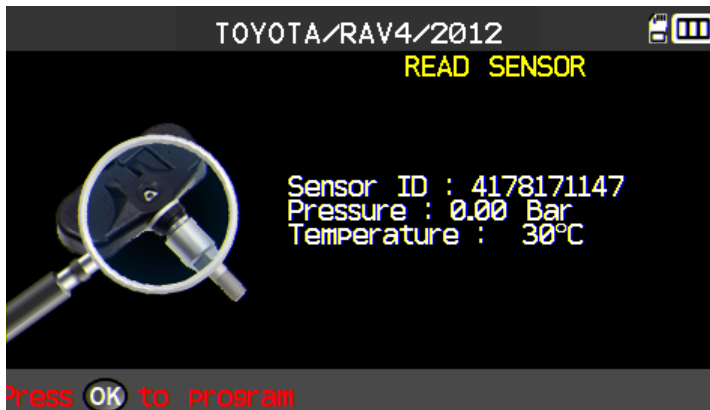
To trigger the sensor.

The tool trigger the sensor, wait a few seconds.
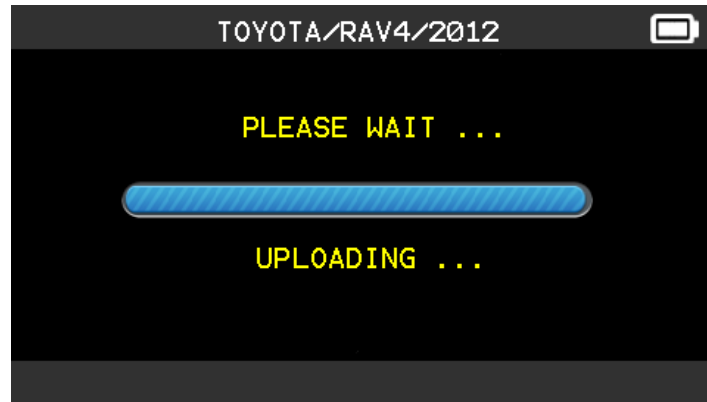
The sensor data are displayed.

OK = Continue

C = Previous

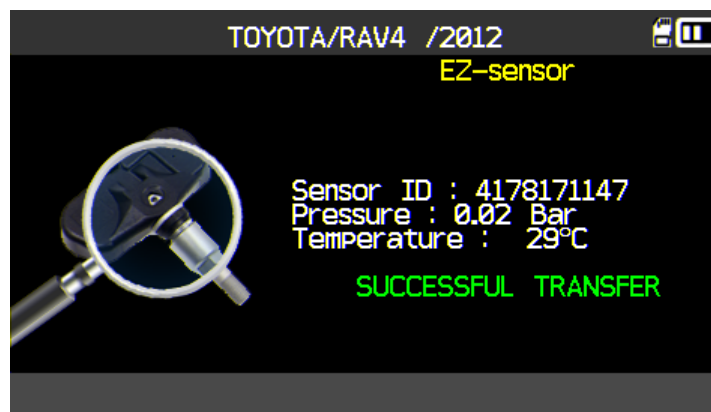Position the sensor in front of the tool antenna to send the ID to the new sensor.

TOYOTA/RAV4 /2012
Program EZ-sensor
EZ-sensor, 315 MHz

Press OK to program

OK

= Continue

= Home

Wait a few seconds.

TOYOTA/RAV4/2012

PLEASE WAIT ...

UPLOADING ...

The tool verifies the ID uploaded.

TOYOTA/RAV4 /2012
EZ-sensor

Verifying sensor...

The sensor is cloned.

TOYOTA/RAV4 /2012
EZ-sensor

Sensor ID : 4178171147
Pressure : 0.02 Bar
Temperature : 29°C

SUCCESSFUL TRANSFER

C

= Previous
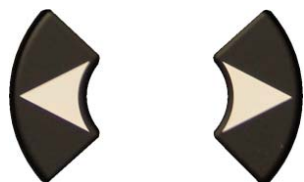
3.5. "CREATE SENSOR ID" SECTION

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

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

OK = Continue

C = Previous

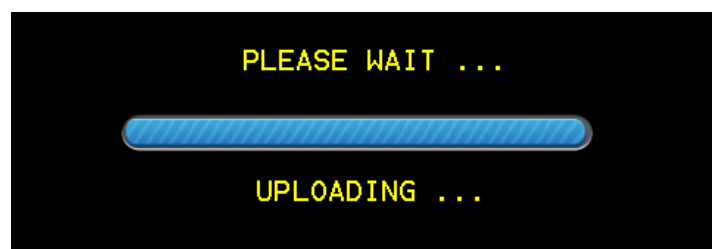Position the sensor in front of the tool antenna to send ID to the new sensor.
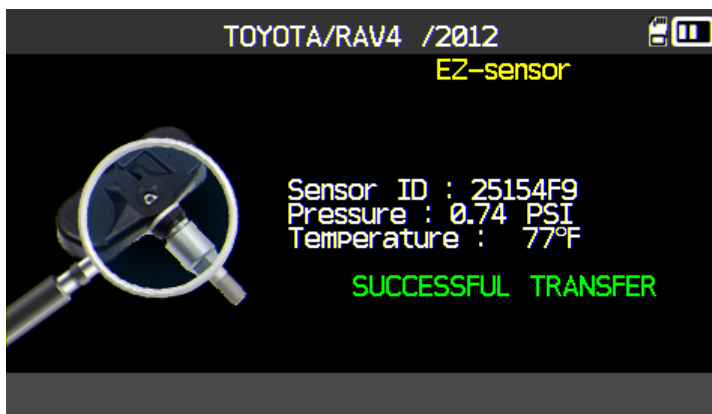
OK = Continue

= Home

Wait a few seconds.

The tool verifies the ID uploaded.
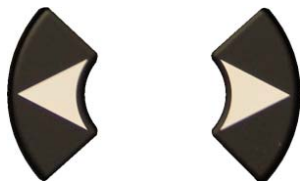
The sensor is created.

TOYOTA/RAV4 /2012
EZ-sensor

Sensor ID : 25154F9
Pressure : 0.74 PSI
Temperature :   77°F
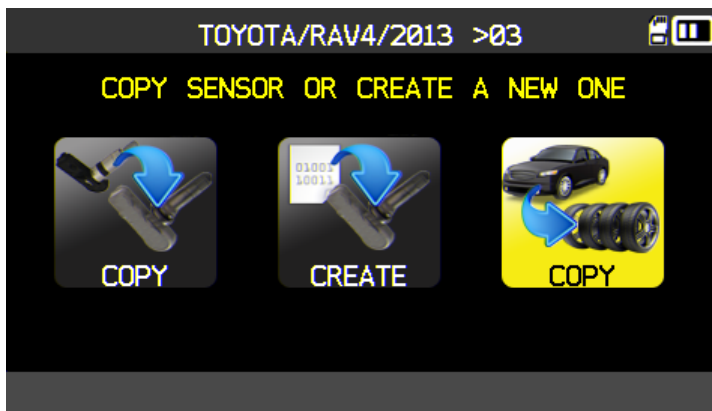
SUCCESSFUL TRANSFER

OK
= Continue

C
= Previous

3.6. "COPY ALL SENSORS ID" SECTION

This section is to recover all the sensors IDs if the "olds" sensor can be cloned.

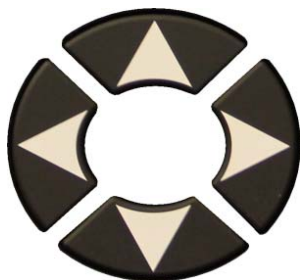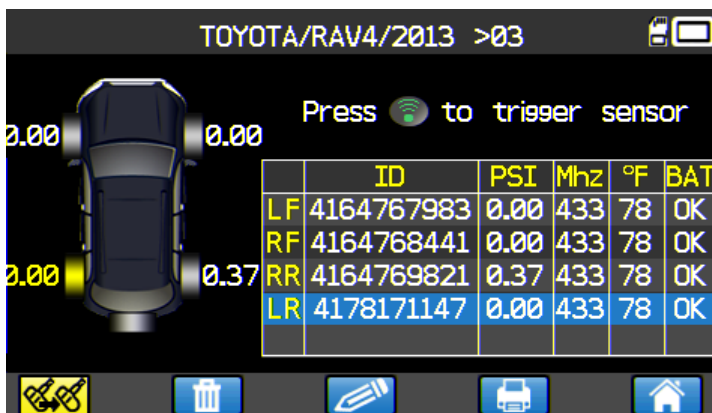Scroll Right and left to select the **CREATE** option.

TOYOTA/RAV4/2013 >03

COPY SENSOR OR CREATE A NEW ONE

COPY   CREATE   COPY

OK
= Continue

C
= Previous

Proceed as "**CHECK SENSOR**" and trigger the 4 sensors.

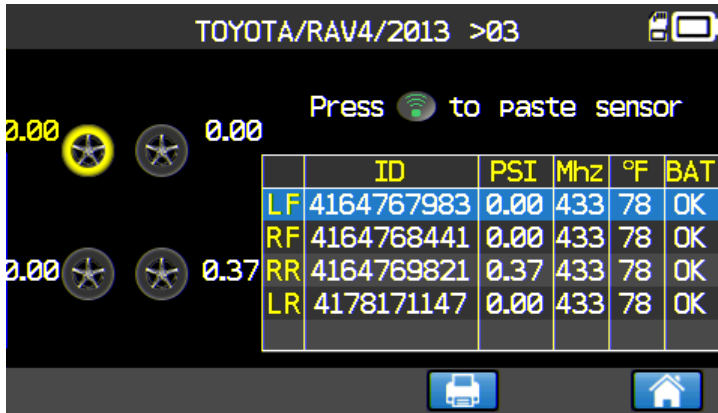Once all sensors are triggered, select the paste Icon

TOYOTA/RAV4/2013 >03

Press 📶 to trigger sensor

0.00   0.00

	ID	PSI	Mhz	°F	BAT
LF	4164767983	0.00	433	78	OK
RF	4164768441	0.00	433	78	OK
RR	4164769821	0.37	433	78	OK
LR	4178171147	0.00	433	78	OK

0.00   0.37

OK
= Continue

C
= Previous

Select the wheel to paste.

TOYOTA/RAV4/2013 >03

Press 📶 to paste sensor

0.00   0.00

	ID	PSI	Mhz	°F	BAT
LF	4164767983	0.00	433	78	OK
RF	4164768441	0.00	433	78	OK
RR	4164769821	0.37	433	78	OK
LR	4178171147	0.00	433	78	OK

0.00   0.37

To paste the sensor.

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

TOYOTA/RAV4/2013 >03
Program EZ-sensor
EZ-sensor, 433 MHz

Press OK to program

OK

= Continue

= Home

Wait a few seconds.

PLEASE WAIT ...

UPLOADING ...

The tool verifies the ID uploaded.

TOYOTA/RAV4/2013 >03
EZ-sensor

Verifying sensor...

The sensor is cloned.

TOYOTA/RAV4/2013 >03
EZ-sensor

Sensor ID : 4164767983
Pressure : 0.37 PSI
Temperature : 80°F

SUCCESSFUL TRANSFER

OK

= Continue

C

= Previous

Select another wheel to paste.

TOYOTA/RAV4/2013 >03

Press 📶 to paste sensor

0.00   0.00

	ID	PSI	Mhz	°F	BAT
LF	4164767983	0.00	433	78	OK
RF	4164768441	0.00	433	78	OK
RR	4164769821	0.37	433	78	OK
LR	4178171147	0.00	433	78	OK

0.00   0.37
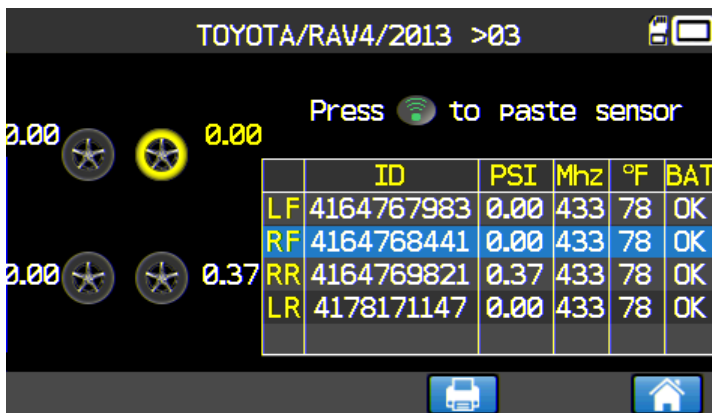
To paste the sensor.

Proceed as show above for all the remains wheels.

3.7. REPROGRAM ISSUE

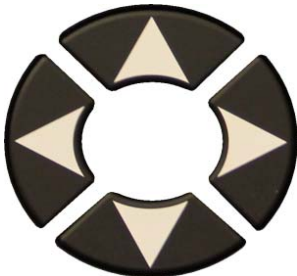In case of ID transfer issue, the following message appears, start again.

TOYOTA/RAV4/2012
[Sensor manufacturer 1]

COM. ERROR
PLEASE TRY AGAIN

PRESS OK TO PROGRAM

OK

= Start again

C

= Previous

4. SEARCH MENU

This menu allows searching a vehicle already triggered in the device database.

OK = Continue
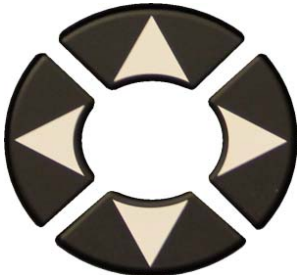
C = Previous

The search is possible by: **CUSTOMER**, **PLATE**, **VIN** or **MAKE**.

OK = Continue

C = Previous

A keyboard is displayed for characters entering, select ⬅ to validate.
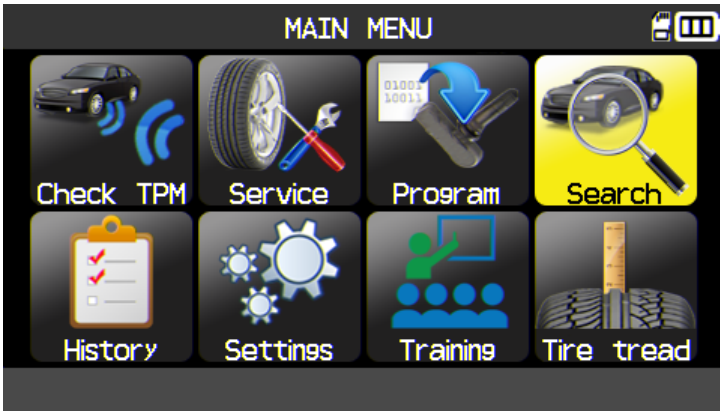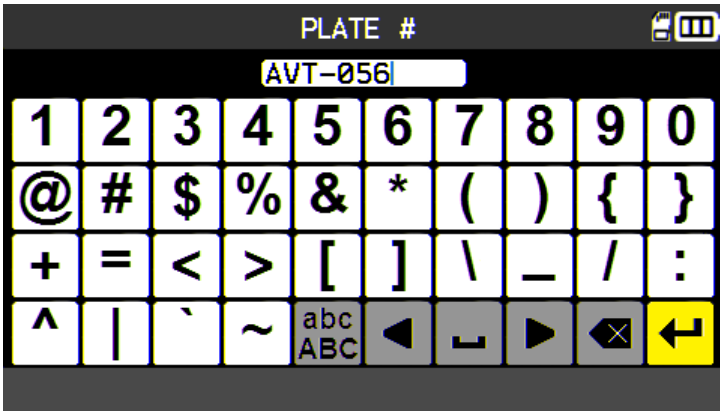
OK = Continue

C = Previous

To select 🔍 for data displaying.

SEARCH

CUSTOMER #	
PLATE #	AVT-056
VIN #	
MAKE	

🔍　　　　　🗑　　🏠

OK = Continue

C = Previous

To select the vehicle.
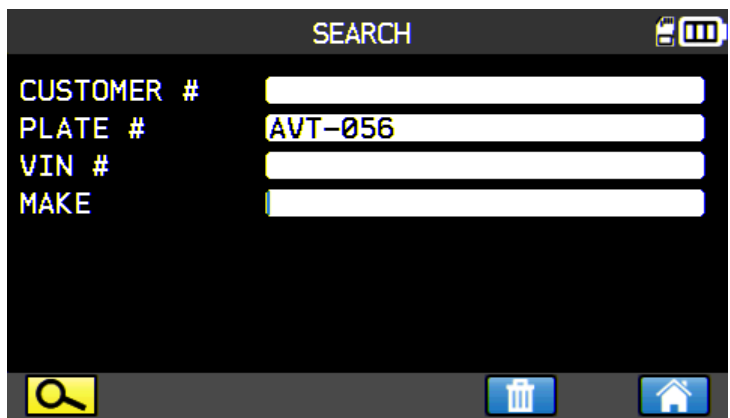
SEARCH

Make/Model/Year	Date	Reset
TOYOTA/RAV4 III/2012	12/03/2015	---
TOYOTA/RAV4 III/2012	12/03/2015	---

⏮ ◀ ▶ ⏭　　🗑　　1/1

OK = Continue

C = Previous

to select the action.

TOYOTA/RAV4 III/2012

Press 🛜 to trigger sensor

0.10　0.08
0.08　0.10

	ID	Bar	MHz	°C	BAT
LF	2A6E100	0.10	315	22	OK
RF	C3C33DF	0.08	315	22	OK
RR	F383834	0.10	315	23	OK
LR	C3D7836	0.08	315	22	OK

⌨　🔧　🗑　✏　🖨　🏠

OK = Continue

C = Previous

5. HISTORY

This feature is to list the last device activity.

MAIN MENU

Check TPM	Service	Program	Search
History	Settings	Training	Tire tread

OK

= Continue

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

HISTORY

| Recent | Statistics | Usage |

OK

= Continue

C
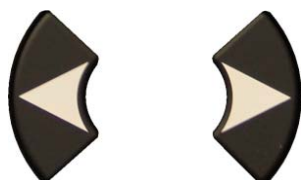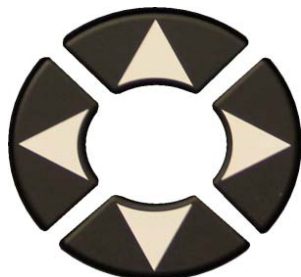
= Previous

Recent option

Select the make to display.

RECENT

Make/Model/Year	Date	Reset
HONDA/Odyssey/2012-2013	02/15/2000	---
HONDA/Odyssey/2012-2013	02/15/2000	---
OPEL/Insigna/2014	02/14/2000	---
OPEL/Insigna/2014	02/14/2000	---
HONDA/Odyssey/2012-2013	02/13/2000	---
CITROEN/DS5/2014	02/13/2000	---
BMW/Serie 1/2014...	02/13/2000	---

OK

= Continue

C

= Previous

The screen of the selected vehicle with the last state of triggers appears. It's possible to continue to trigger the vehicle.

HONDA/Odyssey/2012-2013

2.20

Press 📶 to trigger sensor

	ID	Bar	MHz	°C	BAT
LF	2A6E100	2.20	315	22	OK
RF					
RR					
LR					

To trigger the sensor.

C

= Previous

HISTORY

Recent | Statistics | Usage
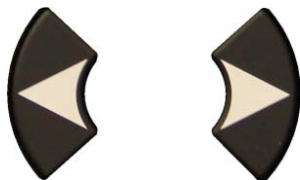
Scroll Right and left to select the **HISTORY** option.

OK = Continue
C = Previous

Statistics option

To change the page.
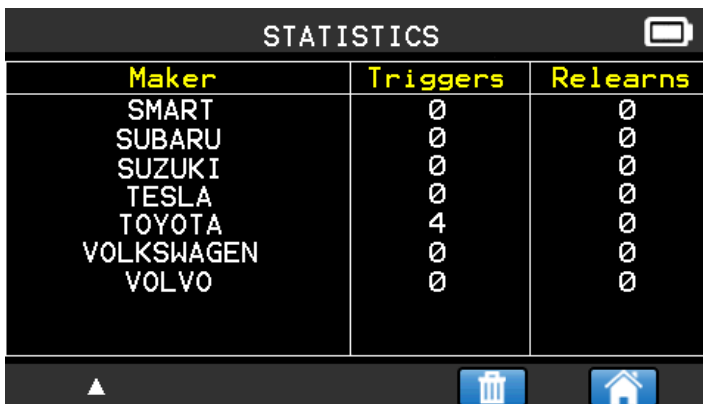
STATISTICS

Maker	Triggers	Relearns
SMART	0	0
SUBARU	0	0
SUZUKI	0	0
TESLA	0	0
TOYOTA	4	0
VOLKSWAGEN	0	0
VOLVO	0	0

OK = Continue
C = Previous

HISTORY

Recent | Statistics | Usage

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

OK = Continue
C = Previous

USAGE

```
Serial number
Number of power cycles      :   21
Number of triggers          :   20
Number of relearns          :   2
Number of softwares updates :   0
```
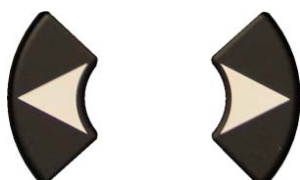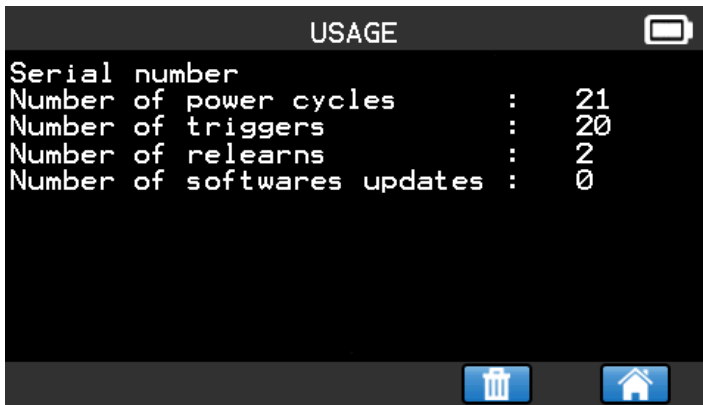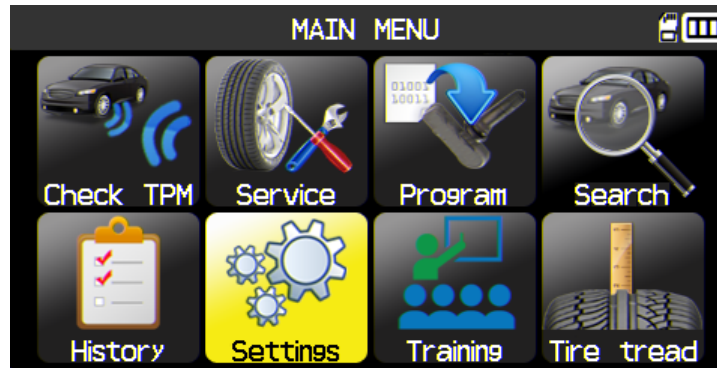
C = Previous

6. SETTINGS

6.1. ENTER SETTINGS MENU
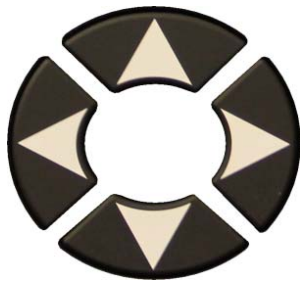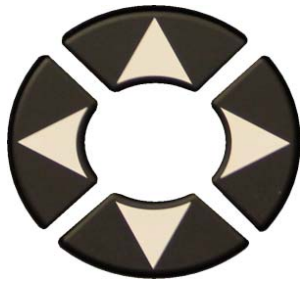
Select the function or settings.
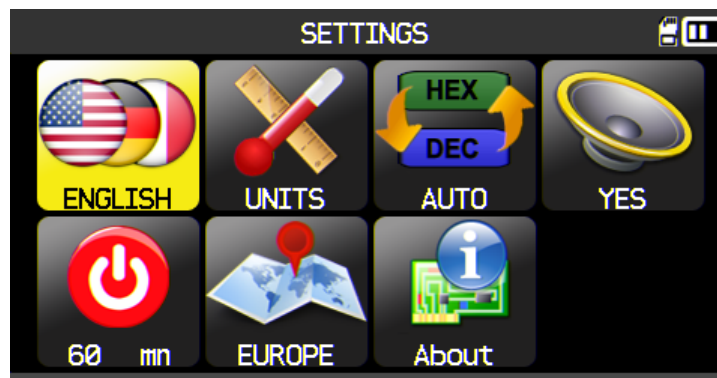
OK = Continue

C = Previous

Note: in each icon is written the state of the setting.

	LANGUAGE	Select displayed language among Cestina, Dansk, Deutsch, English, Español, Français, Italiano, Magyar, Nederlands, Norsk, Polski, Portugues, Romã Nä, Suomi.
	UNITS	Change the air pressure and temperature display (kPa, Bar or PSI with F° or C°).
	FORMAT	Change the format of sensor ID display.
	BUZZER	Turn buzzer to ON or OFF (YES or NO).
	AUTO OFF	Time to turn off the device automatically after not being operated.
	ZONE	To select the area of work, **AMERICA**, **EUROPE** or **KOREA**. Be careful, when you change the zone, a WebVT download or SD card is required to get the zone data.

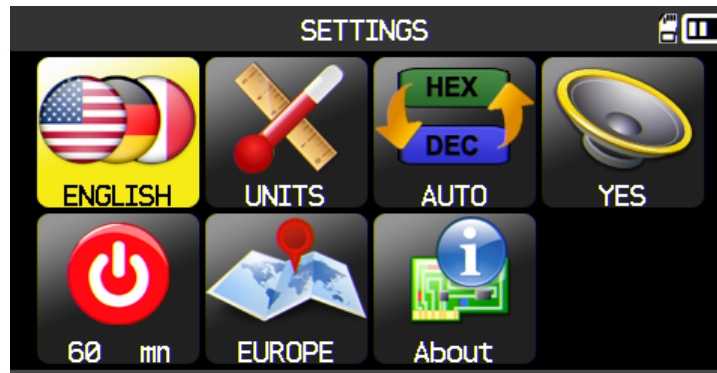### 6.1.1. Change language settings

LANGUAGE: select displayed language among Cestina, Dansk, Deutsch, Engelska, English, Español, Français, Italiano, Nederlands, Norsk, Polski, Portugues, Suomi.
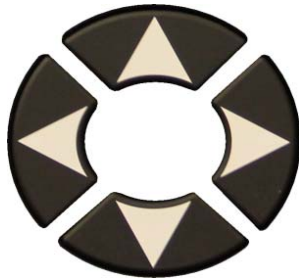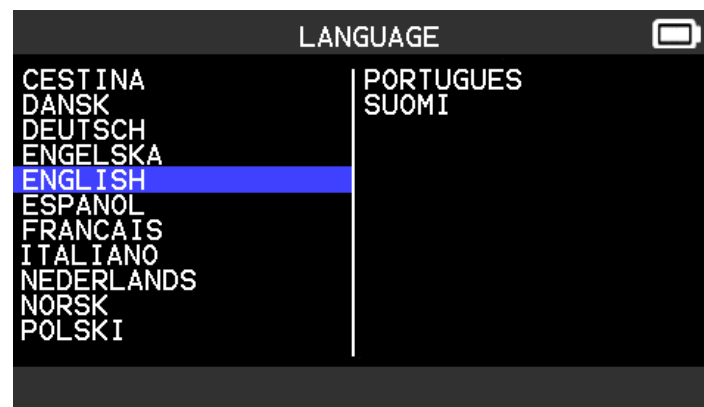
Select the function or settings.

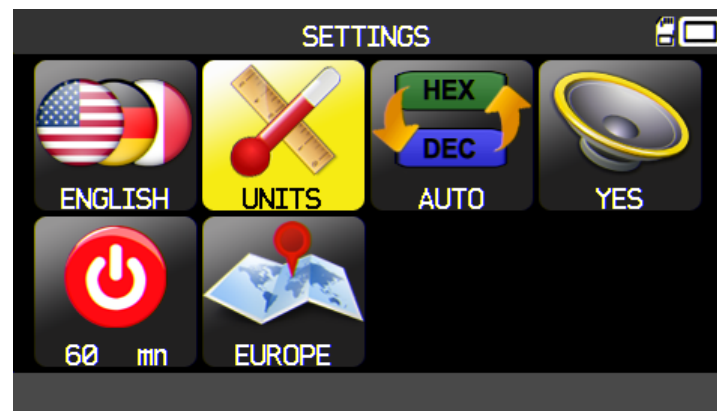Scroll up and down to select.

OK = Continue

C = Previous

OK = Confirm

C = Previous

SETTINGS

ENGLISH UNITS AUTO YES
60 mn EUROPE About

LANGUAGE

CESTINA   PORTUGUES
DANSK   SUOMI
DEUTSCH
ENGELSKA
ENGLISH
ESPANOL
FRANCAIS
ITALIANO
NEDERLANDS
NORSK
POLSKI

6.1.2. Change Units settings

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

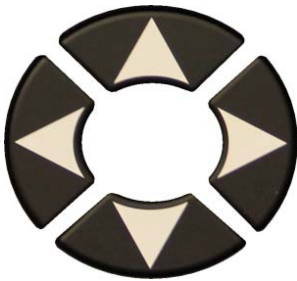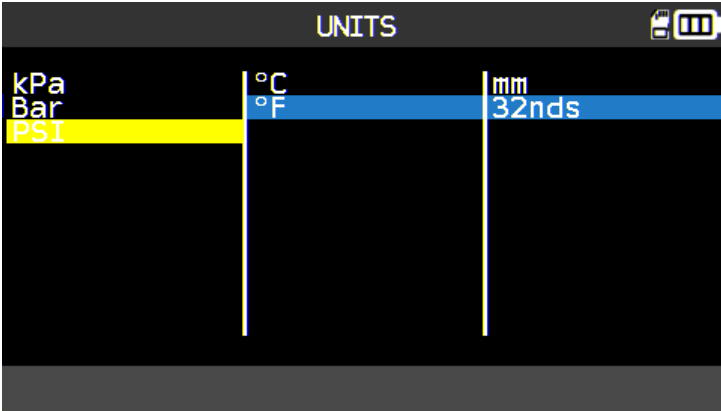Select the function or settings.

OK = Continue

C = Previous

SETTINGS

ENGLISH UNITS AUTO YES
60 mn EUROPE
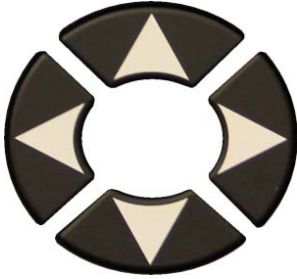
Scroll up and down to select the **Units**.
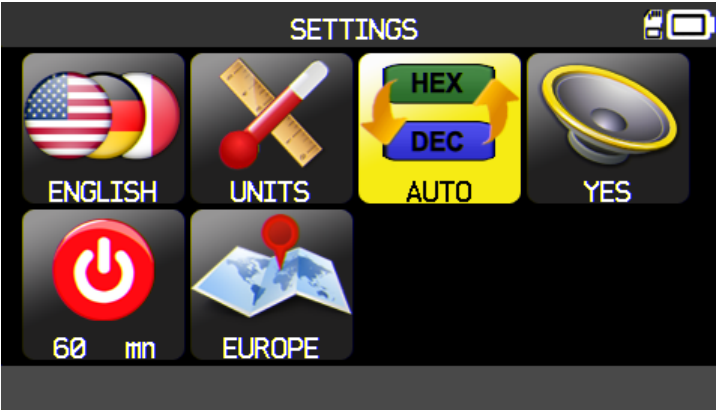
OK

= Confirm

C

= Previous

6.1.3. Change Format settings

FORMAT: change the format of sensor ID display.

Select the function or settings.

OK

= Confirm

C

= Previous

Scroll up and down to select a format.

OK

= Confirm

C

= Previous

AUTO: display sensor ID format in the way sensor is transmitting.

DECIMAL: force to display sensor ID in decimal (0 to 9).

HEXADECIMAL: force to display sensor ID in hexadecimal (0 to F).
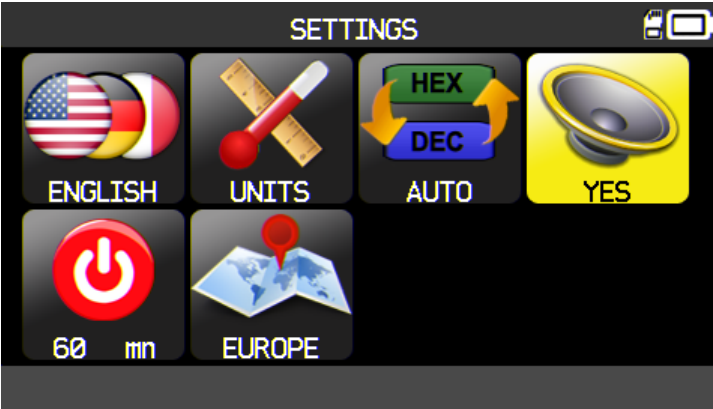
6.1.4. Change Buzzer settings

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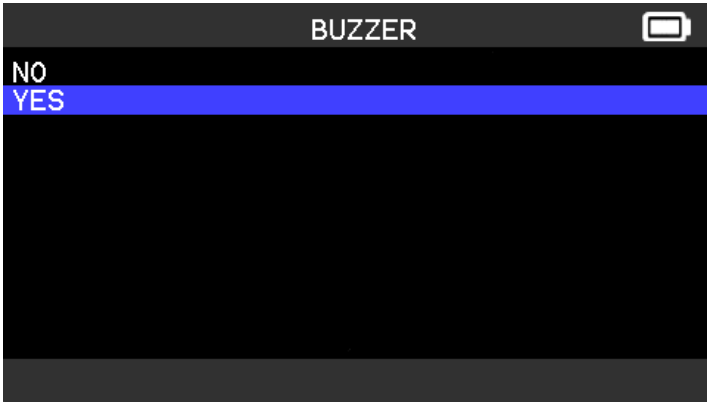
Select the function or settings.

= Confirm

= Previous

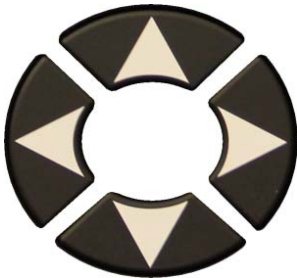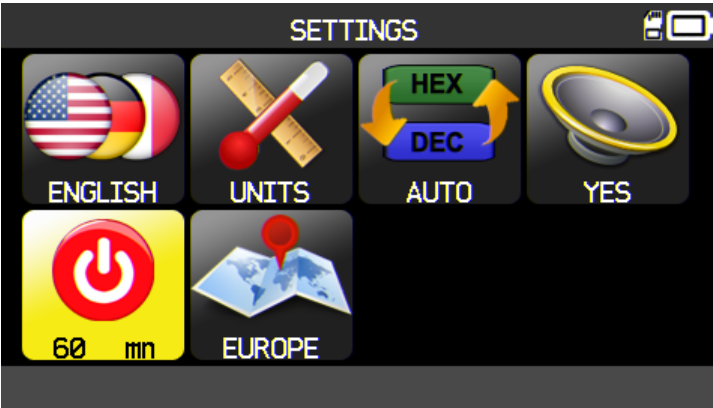Scroll up and down to select **Yes** or **No**.

= Confirm

= Previous

6.1.5. Change Auto Off settings

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

Select the function or settings.

= Confirm

= Previous

AUTO OFF

+
5 mn
−

OK
= Confirm

C
= Previous

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

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

6.1.6. Change Zone settings

SETTINGS

| ENGLISH | UNITS | AUTO | YES |

| 60 mn | EUROPE |

OK
= Confirm

C
= Previous

Select the function or settings.

ZONE

- - - - -
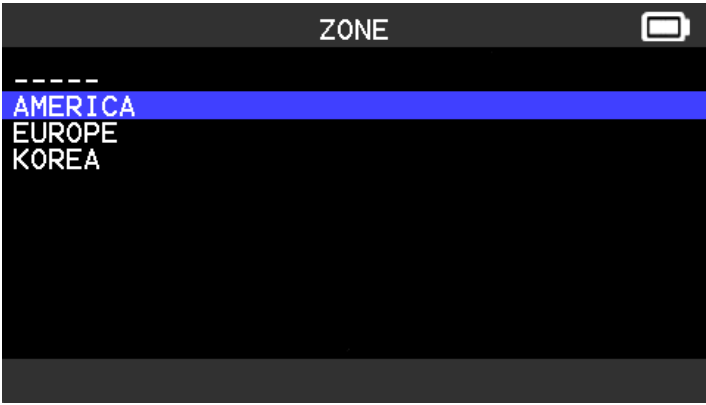AMERICA
EUROPE
KOREA

OK
= Confirm

C
= Previous

Scroll up and down to select a zone.

DATABASE

LOADING ...

The tool will load the new database for the selected zone.
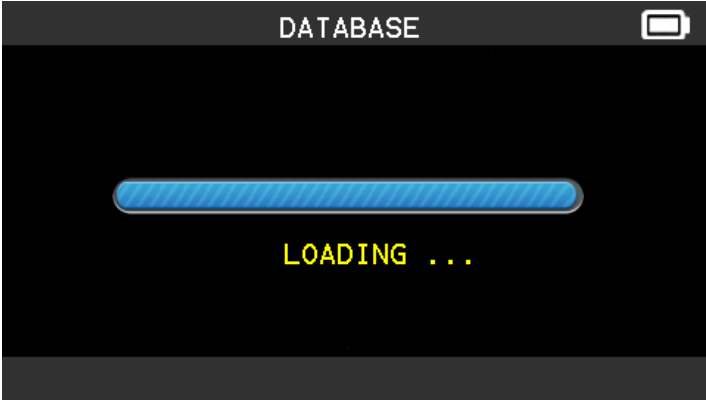
6.1.7. About
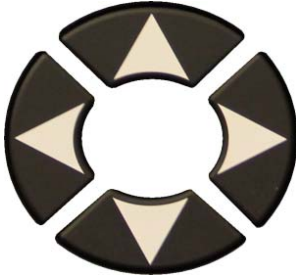
= Continue

= Previous

= Previous

7. TRAINING

This feature is to show the some processes as various relearns, update tool, etc.
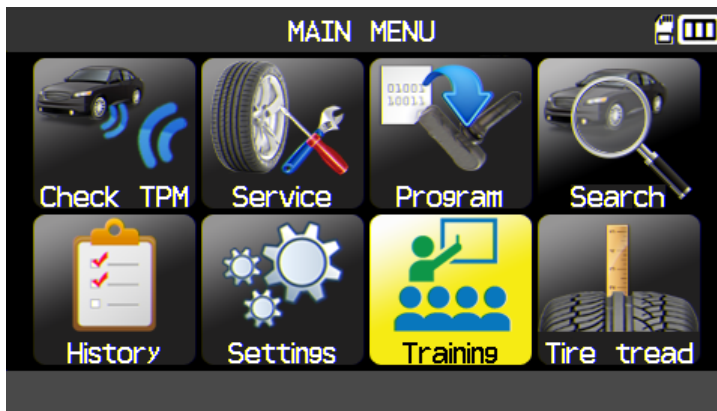
Example of training:

To change the page.

OK

= Continue

C
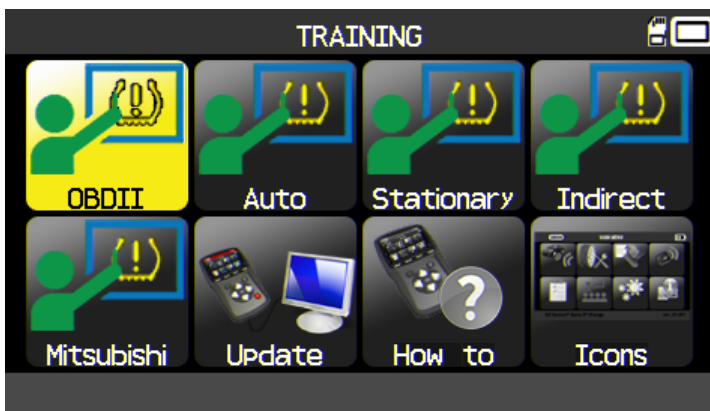
= Previous

8. TIRE TREAD

This feature allows by using the gauge tool option to measure the tread depth tire.

MAIN MENU

Check TPM | Service | Program | Search
History | Settings | Training | Tire tread

OK
= Continue

CONNECT TTD ACCESSORY
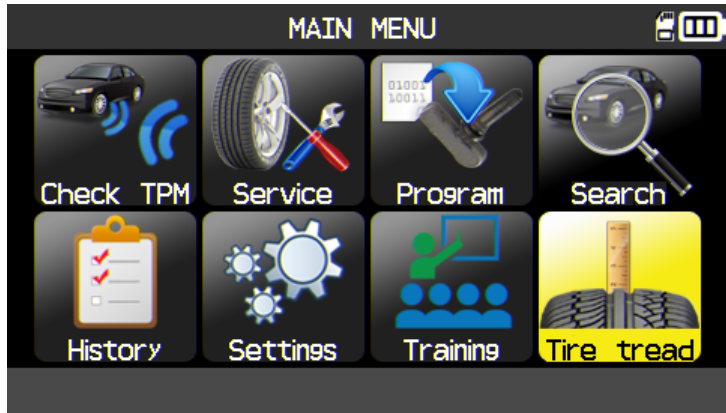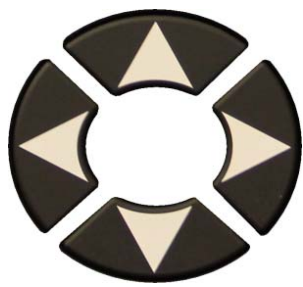
If the
"**Tire Tread Depth**"
option is not
plugged, the **VT56**
device prompts you
to plug it.

OK
= Continue

C
= Previous

Check for the green light on the back of the "**Tire Tread Depth**" option.

The [icon] icon appears in the header.

TIRES SET SELECTION

4 WHEELS
5 WHEELS

Once plugged the
device prompts you
to select the number
of wheels.

OK
= Continue

C
= Previous
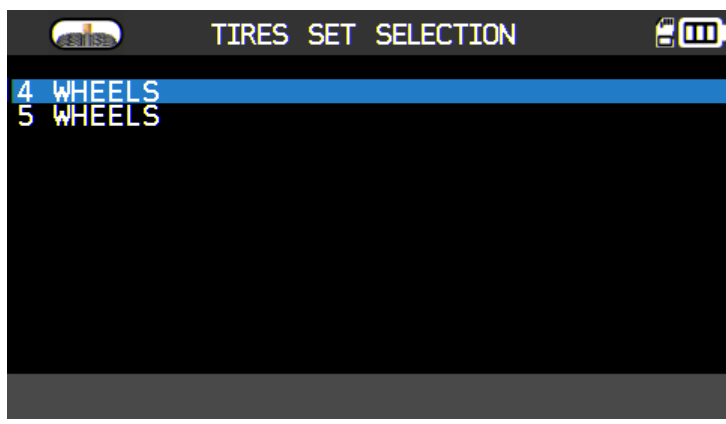
The tool is ready for depth measurements.

To scroll wheels.

TIRE TREAD DEPTH

Press test to start

	OUTER	CENTER	INNER
LF			
RF			
RR			
LR			
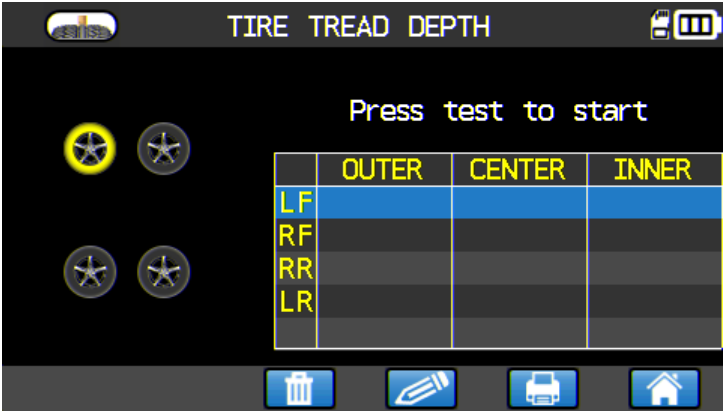
C = Previous

Press the button on the back of the "**Tire Tread Depth**" option to start the depth measurement.
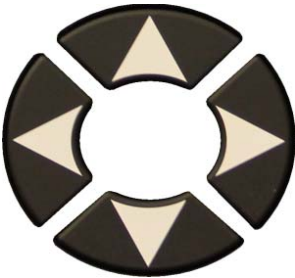
Follow the instructions displayed on the screen for all the wheels.

TIRE TREAD DEPTH

Press test to start

	OUTER	CENTER	INNER
LF	WAITING OUTER		
RF			
RR			
LR			
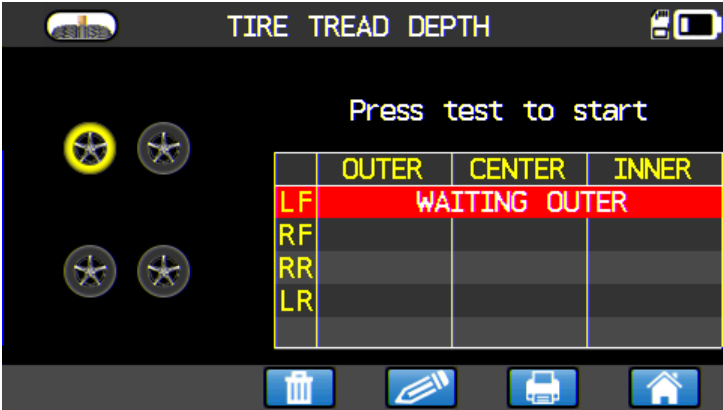
C = Previous

WAITING OUTER / CENTER / INNER
MEASURE PROCESSING
RELEASE

INNER   CENTER   OUTER

At each wheel, press the button on the back of the "**Tire Tread Depth**" option to start the wheel depth measurement

Once all the wheels are measured, all the depth measures are displayed.

These results can be printed (see "**Print sensor details**" paragraph).
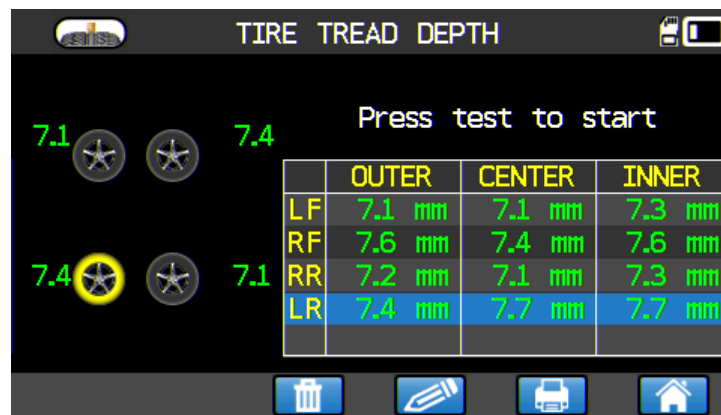
C = Previous

The results can be recovered in the "**History/recent**" menu.

If one tire is used (more than the depth tolerance) its measures appear in red.

C = Previous

MISCELLANEOUS

1. CHARGE

Low Battery Indication

Your **TPMS TOOL** incorporates a low battery detection circuit. Battery life is an average of 800 sensor tests per battery charge (approximately 160 to 200 vehicles) this may change following the sensor model.
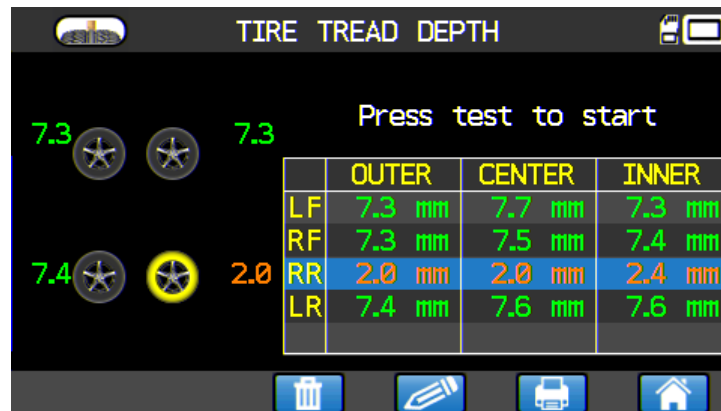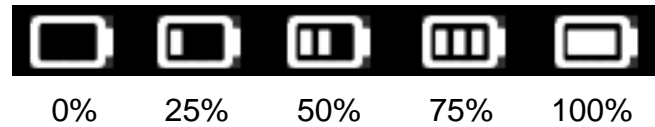
Battery indicator status:

0%   25%   50%   75%   100%

When 0% is flashing the tool will turn off after 10 seconds.

 The battery is charging.

 The battery has an issue, please contact after sales service.

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

When charging, the battery light is red and becomes green when the battery is fully charged.

Two means for charging the tool:

➢ Directly plug the supply jack to the tool and plug the supply in an appropriate outlet.

➢ Plug the jack to the docking station and install the tool in. The docking and in all cases, the LED "**CHARGE**" light will turn on (red).

Battery replacement

It's recommended to return the tool to the factory for battery replacement.

2. PRINT SENSOR DETAILS

Note: *This feature is only available after the user has triggered the sensors in the vehicle, and the tool has not been turned off.*

1) Put the tool into its docking station; check that the all sensors are triggered.

2) Plug the charger (or check) to the docking station; this is to supply the printer.

3) Power on the printer, press the (⏻) button until the green light is flashing ⚠.

4) The printer will be ready when the battery light is on [🔋].

The (🖶) button is for feed 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
```
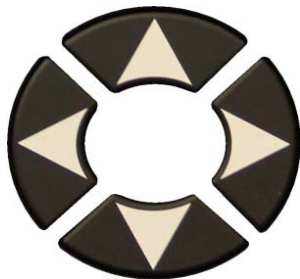
5) Select with the arrows the [🖨] icon.

6) Printing the results by pressing OK [🖨].

OK = Print

C = Previous

Note: *this process is the same for printing the "**Tire Tread Depth**" results recovered with the option.*

3. TROUBLESHOOTING

If the **TPMS TOOL** is unable to trigger one or more of the sensors, using either electronic or magnetic activation, please use the following troubleshooting guide:

1) The vehicle does not have a sensor even though a metal valve stem is present. Be aware of Schrader rubber style snap-in stems used on TPMS systems.

2) The sensor, module or ECU itself may be damaged or defective.

3) The sensor may be the type that periodically triggers on its own and is not designed to respond to a triggering frequency.

4) Your **TPMS TOOL** may require a software upgrade.

5) Check "**Auto Off**" time settings for screen display.

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

4. TOOL UPDATE

Upgrading Your TPMS TOOL

As a new protocol becomes available, it will become necessary to upgrade your tool. Please follow the 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 upgrade.

USB connector for Internet update.

Slot for SD card for non Internet update.

USB connector for Internet update with tool in docking station.

4.1. INSTALL WEBVT PC SUITE

1) **Connect the TPMS tool to the USB port and power the tool ON**.

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

3) A screen will appear that says "**Welcome to the Install Shield Wizard for WebVT.**" Click "**Next >**"

4) A window will appear to choose destination location, click "**Next >**"

5) Follow instructions until the window with the "**Finish**" button appears.

6) Click "**Finish**" when the **WebVT** installation is complete.

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

4.2. USB INTERNET OPTION UPDATING

Before updating, ensure that the battery charge is full.

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

2) Start **WebVT** software.

3) A screen will appear indicating "**Update Device**".

4) You can also print "**Valve IDs**" from here as well.

5) Press "**Yes**" to update to the latest software version. Update will take several minutes to complete and the status bar will indicate the percentage of update completed.

Warning!
Do not disconnect the TPMS TOOL from the PC or turn off your computer during the update process. This may result in serious damage to the tool.

4.3. SD CARD OPTION (NON INTERNET) UPDATING

Before updating, ensure that the battery charge is full.

1) Place the **SD card** into slot, pins facing upwards.

2) Turn the **TPMS TOOL** on and go to Main Menu.

3) Scroll down to **TPMS TOOL** Update and press enter.

4) Scroll down to **YES** and press enter.

5) You will now see File Selection, press the (OK) key.

6) The tool will now update its software version.

7) When installation is complete, the tool will automatically turn off. **Remove the SD card**.

8) Turn the **TPMS TOOL** on. The latest software version will be displayed on the screen.

Warning!
Do not turn off the TPMS TOOL or extract the SD card during the update process. This may result in serious damage to the tool.