ATEQ VT31

**AVAILABLE IN
NORTH AMERICA ONLY**

REVISION OF THE ATEQ VT31 MANUAL

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		8/2017	-----

CONTENTS

User guide

VT31 TPMS TOOL

1. SPECIFICATIONS

Battery Type:	Battery 9V PP3 type 6LR61 (not included)
Battery Life:	Approximately 150 activations per battery.
Dimensions (Max. L,W,D):	6" x 3.4" x 1.3" (15.3 cm x 8.6 cm x 3.3 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. 0.5 lbs.
Temperature:	Operating: 14° F to 122° F (-10° C to +50° C). Storage: -40°F to 140° F (-40° C to +60° C).
Operating Altitude:	Up to 6560 ft (2000 m).

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 in a 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.
	Next, continue or confirm.		Cancel, previous step.
	Navigate to select "**up**".		Navigate to select "**down**".
	Navigate to select "**left**".		Navigate to select "**right**".

Antenna

Screen

Keyboard

POWER ON

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

➢ Displays first the VT logo as Fig. 1.

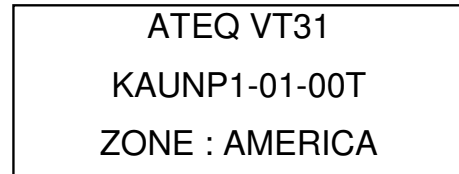**Fig. 1**

➢ The software version and work zone as Fig. 2.

ATEQ VT31

KAUNP1-01-00T

ZONE : AMERICA

Fig. 2

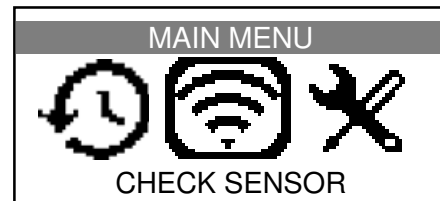➢ Then reverts to the **MAIN MENU** as Fig. 3.

Fig. 3

5. OPERATING INSTRUCTIONS

5.1. TPMS TOOL Overview
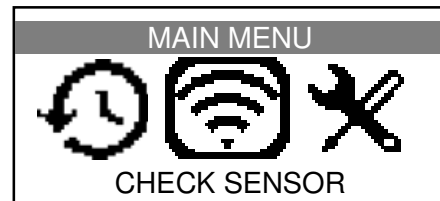
Read and diagnose sensors.

Service Procedure

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.

MAIN MENU

CHECK SENSOR

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.

Begin by triggering the driver's front left (LF) wheel sensor.

The same procedure should be followed on all wheel sensors, in a clockwise rotation.

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.
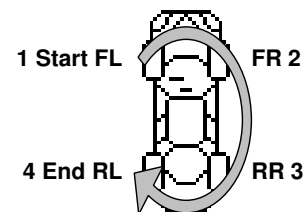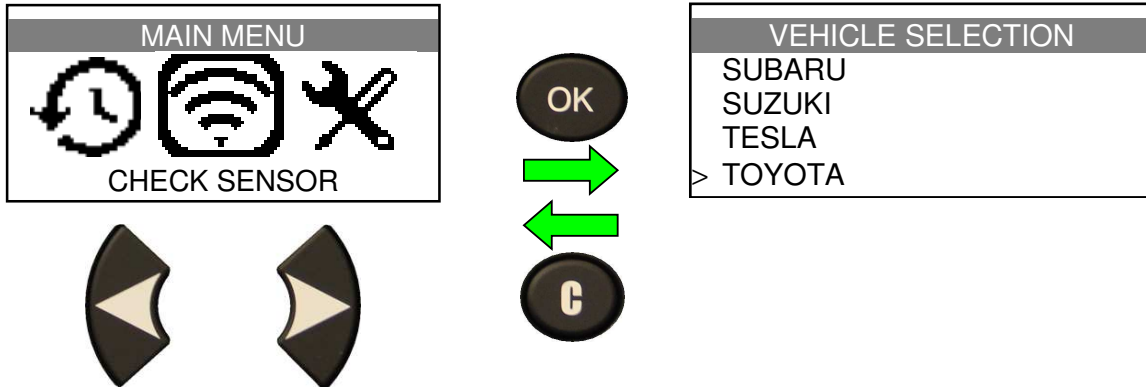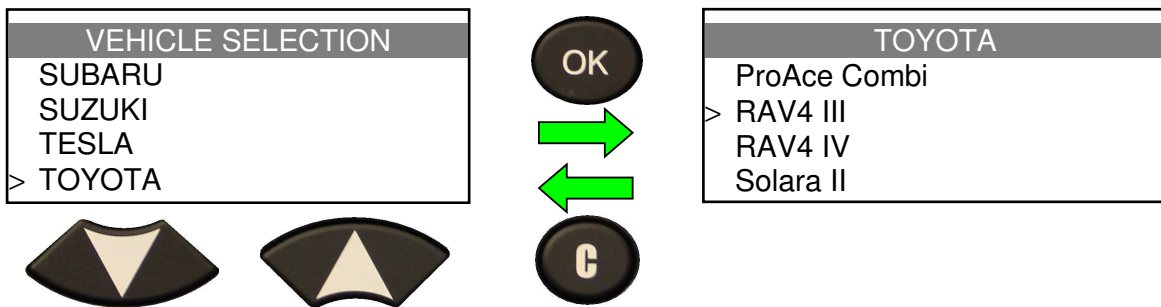

Fig. 4

VT31 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.
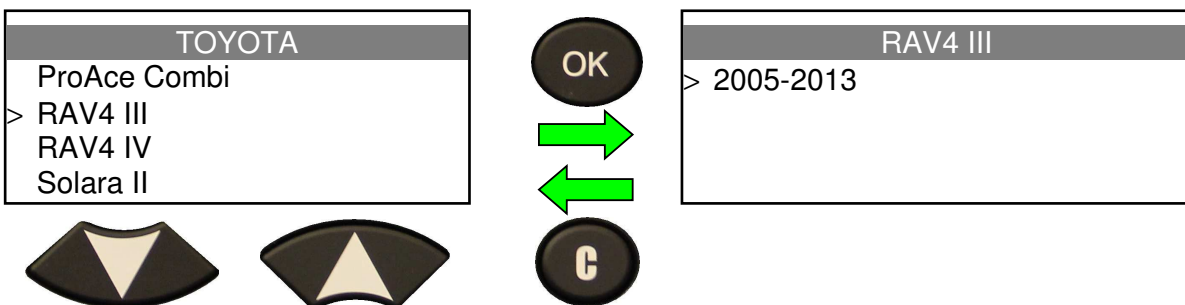
1. CHECK SENSOR

MAIN MENU		VEHICLE SELECTION
CHECK SENSOR	OK	SUBARU SUZUKI TESLA > TOYOTA

1.1. SELECT CAR MANUFACTURER

VEHICLE SELECTION		TOYOTA
SUBARU SUZUKI TESLA > TOYOTA	OK	ProAce Combi > RAV4 III RAV4 IV Solara II

1.2. SELECT CAR MODEL

TOYOTA		RAV4 III
ProAce Combi > RAV4 III RAV4 IV Solara II	OK	> 2005-2013

1.3. SELECT YEAR

RAV4 III
> 2005-2013

OK

C

RAV4 III
> 4 WHEELS   5 WHEELS
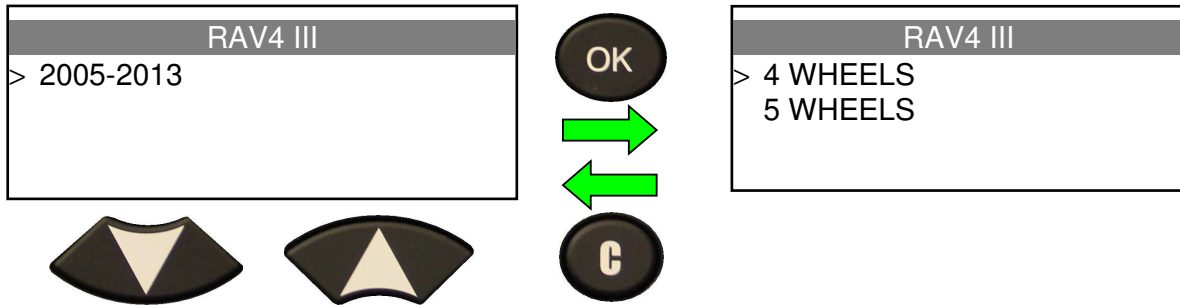
1.4. SELECT WHEEL NUMBER

This option does not appear for all vehicles.

RAV4 III
> 4 WHEELS   5 WHEELS

OK

C

RAV4 III
SELECT TIRE
C: ⟵ 📶: START
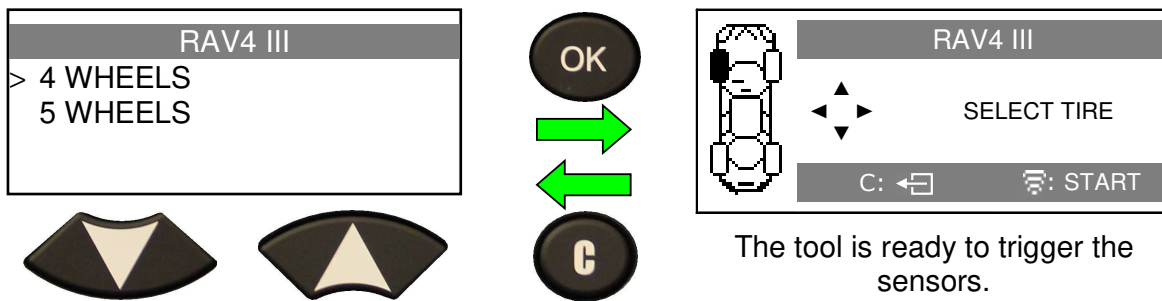
The tool is ready to trigger the sensors.

1.5. TEST SENSOR

RAV4 III
SELECT TIRE
C: ⟵ 📶: START

For tire selection.

C

RAV4 III
TRIGGER PROCESSING
C: ⟵ 📶: START
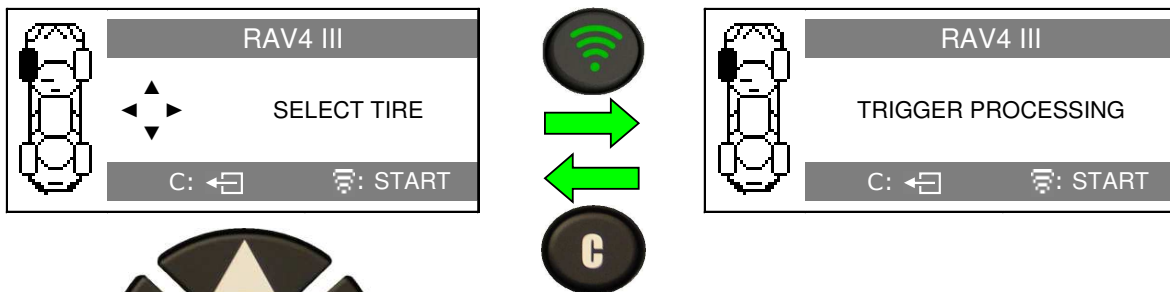
1.6. TEST RESULTS
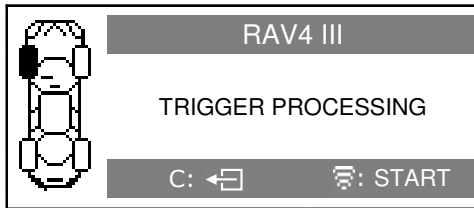
1: PASS: press OK to go to next tire.
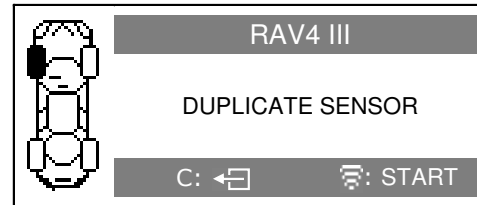
2/3: FAIL.

1: PASS
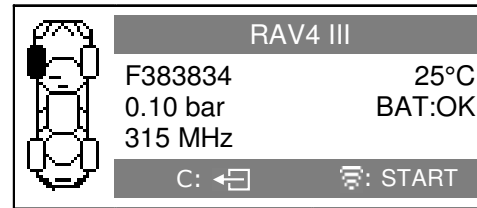
2: FAIL
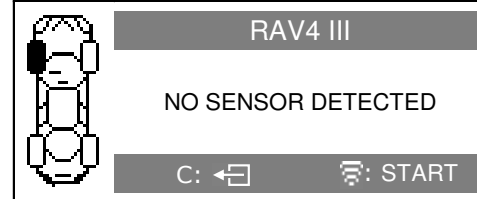
3: FAIL

2. RECENT SENSOR DATA (SECTION TO COMPLETE)

This section is to …
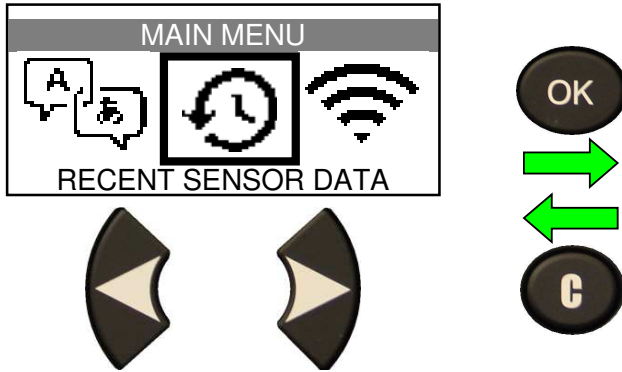
SETTINGS

1. ENTER SETTINGS MENU
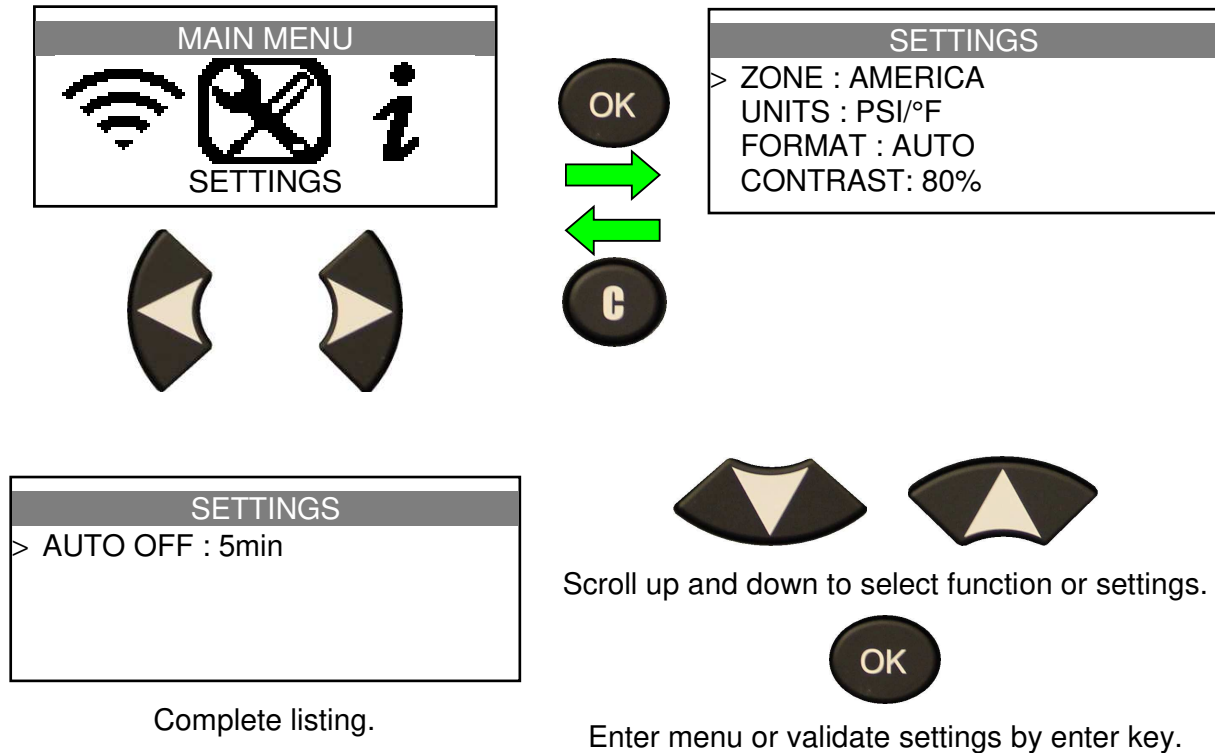
Key functional descriptions:

ZONE: to select the area of work, **AMERICA** or **EUROPE**.

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

FORMAT: change the format of sensor ID display.

CONTRAST: adjust LCD contrast level (0% to 100%).

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

1.1. CHANGE ZONE SETTINGS

SETTINGS

> ZONE : AMERICA
  UNITS : PSI/°F
  FORMAT : AUTO
  CONTRAST: 80%

OK

ZONE
> AMERICA   EUROPE

DATABASE
PLEASE WAIT

Up or down to select the zone.

Press to enter.

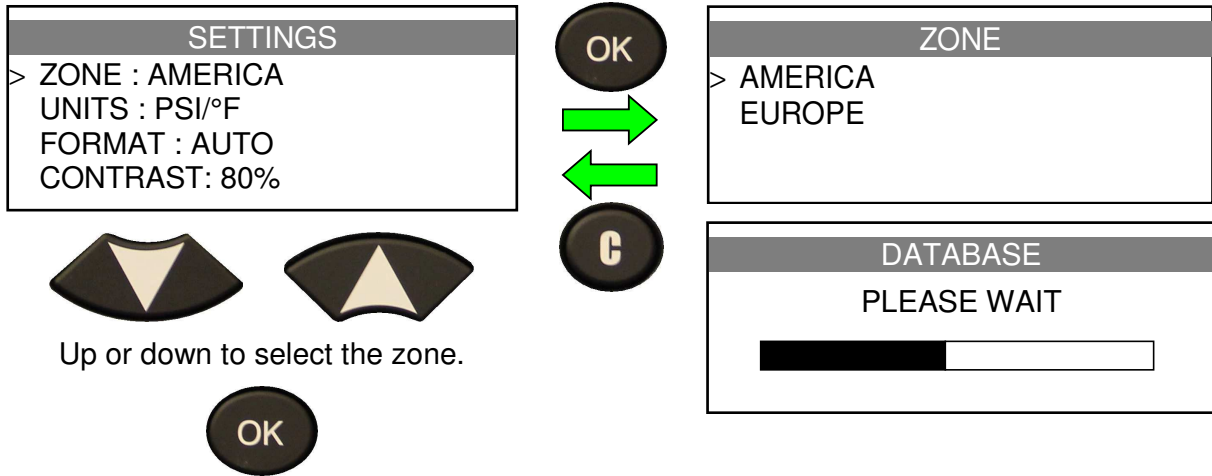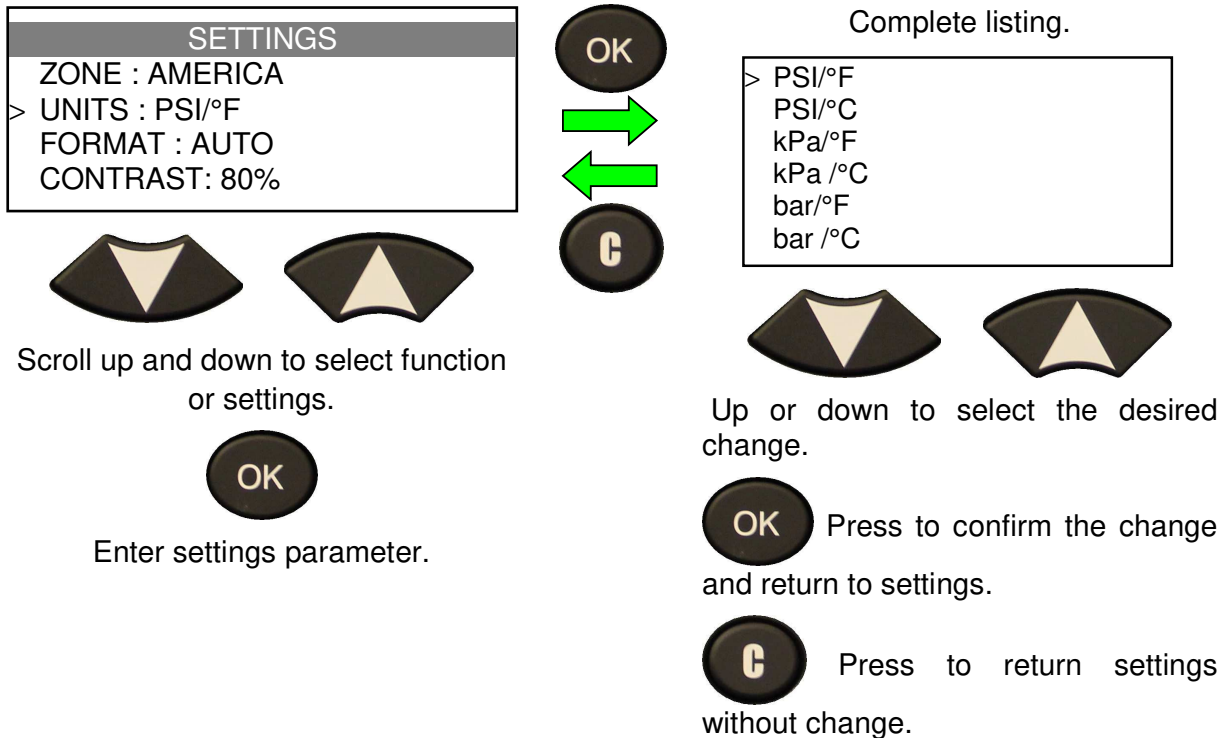A first starting or after a factory reset, the zone option appears on the screen.

For apply a factory reset to the device, please use the WebVT software.

Connect the **VT36** device to the PC, when recognized, enter into the "**Settings**" menu and then click on the "**Factory reset**" button.

1.2. CHANGE UNITS SETTINGS

SETTINGS

ZONE : AMERICA
 > UNITS : PSI/°F
  FORMAT : AUTO
  CONTRAST: 80%

OK

Complete listing.

> PSI/°F
  PSI/°C
  kPa/°F
  kPa /°C
  bar/°F
  bar /°C

Scroll up and down to select function or settings.

Enter settings parameter.

Up or down to select the desired change.

OK Press to confirm the change and return to settings.

C Press to return settings without change.

1.3. CHANGE FORMAT SETTINGS

```
┌─────────────────────────────┐
│          SETTINGS           │
│  ZONE : AMERICA             │
│  UNITS : PSI/°F             │
│> FORMAT : AUTO              │
│  CONTRAST: 80%              │
└─────────────────────────────┘
```

Complete listing.

```
┌─────────────────────────────┐
│ > AUTO                      │
│   DECIMAL                   │
│   HEXADECIMAL               │
└─────────────────────────────┘
```

Scroll up and down to select function or settings.

OK Enter settings parameter.
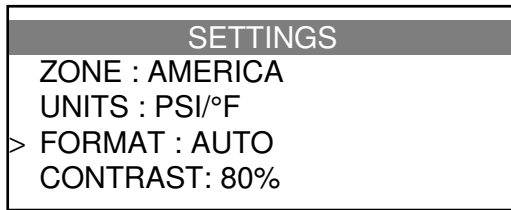
Up or down to select the desired change.

OK Press to confirm the change and return to settings.

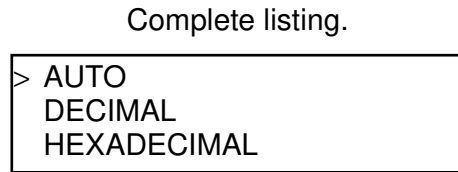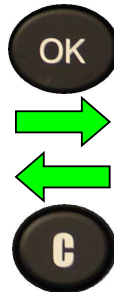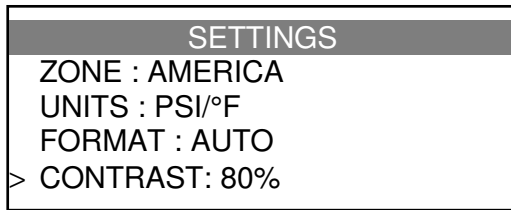**C** Press to return settings without change.

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

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

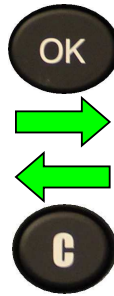**HEXADECIMAL**: force to display sensor ID in hexadecimal (0 to F).

1.4. CHANGE CONTRAST SETTINGS

```
SETTINGS
ZONE : AMERICA
UNITS : PSI/°F
FORMAT : AUTO
> CONTRAST: 80%
```

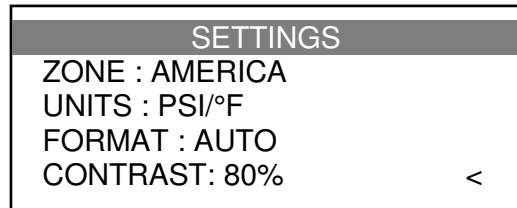Scroll up and down to select function or settings.

OK

Enter settings parameter.

Change by **0%** (clear) to **100%** (dark).

```
SETTINGS
ZONE : AMERICA
UNITS : PSI/°F
FORMAT : AUTO
CONTRAST: 80%          <
```

Up or down to select the desired change.

OK Press to confirm the change and return to settings.

C Press to return settings without change.

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1.5. CHANGE AUTO OFF SETTINGS

```
┌─────────────────────────────┐
│          SETTINGS           │
├─────────────────────────────┤
│ > AUTO OFF : 5min           │
│                             │
│                             │
└─────────────────────────────┘
```

Scroll up and down to select function or settings.

OK

Enter settings parameter.

OK

C

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

```
┌─────────────────────────────┐
│          SETTINGS           │
├─────────────────────────────┤
│ AUTO OFF : DISABLED      <  │
│                             │
│                             │
└─────────────────────────────┘
```

Up or down to select the desired change.

OK Press to confirm the change and return to settings.
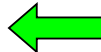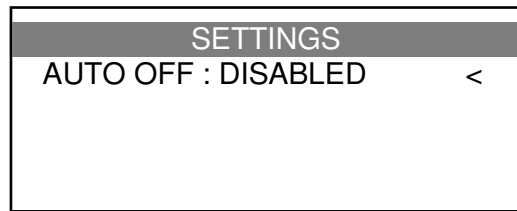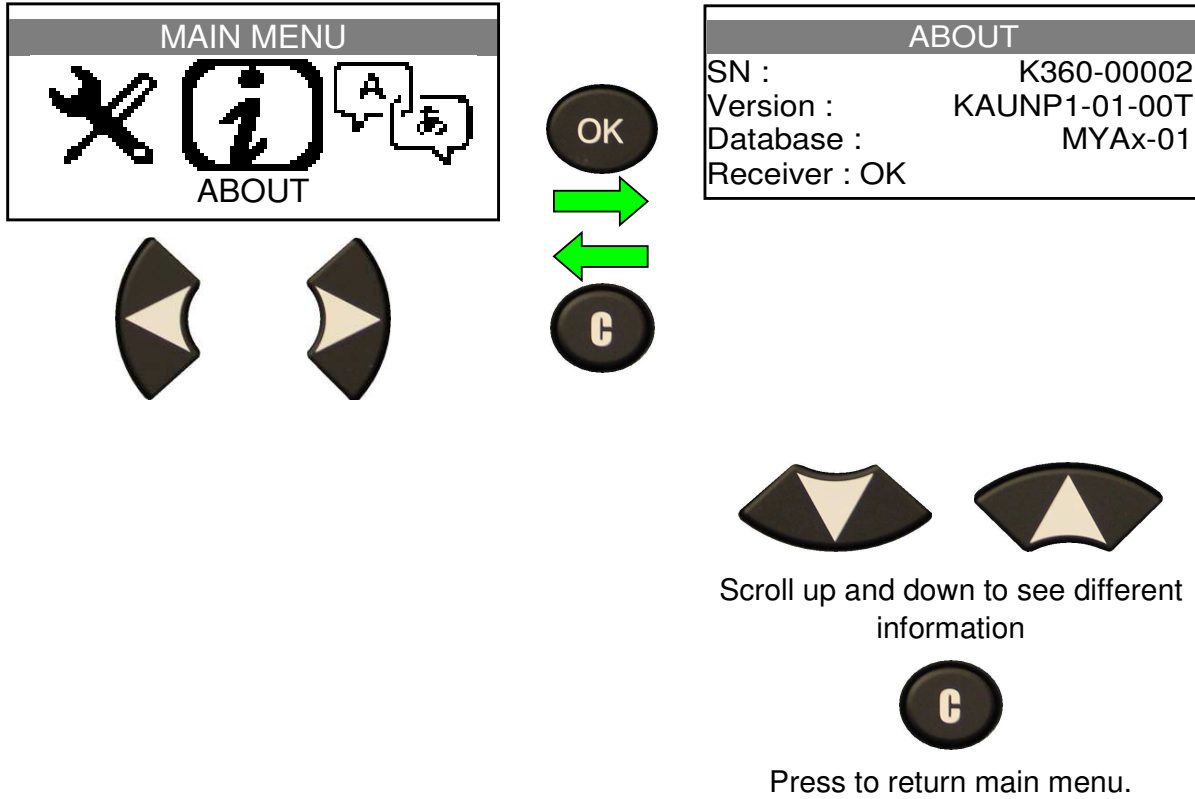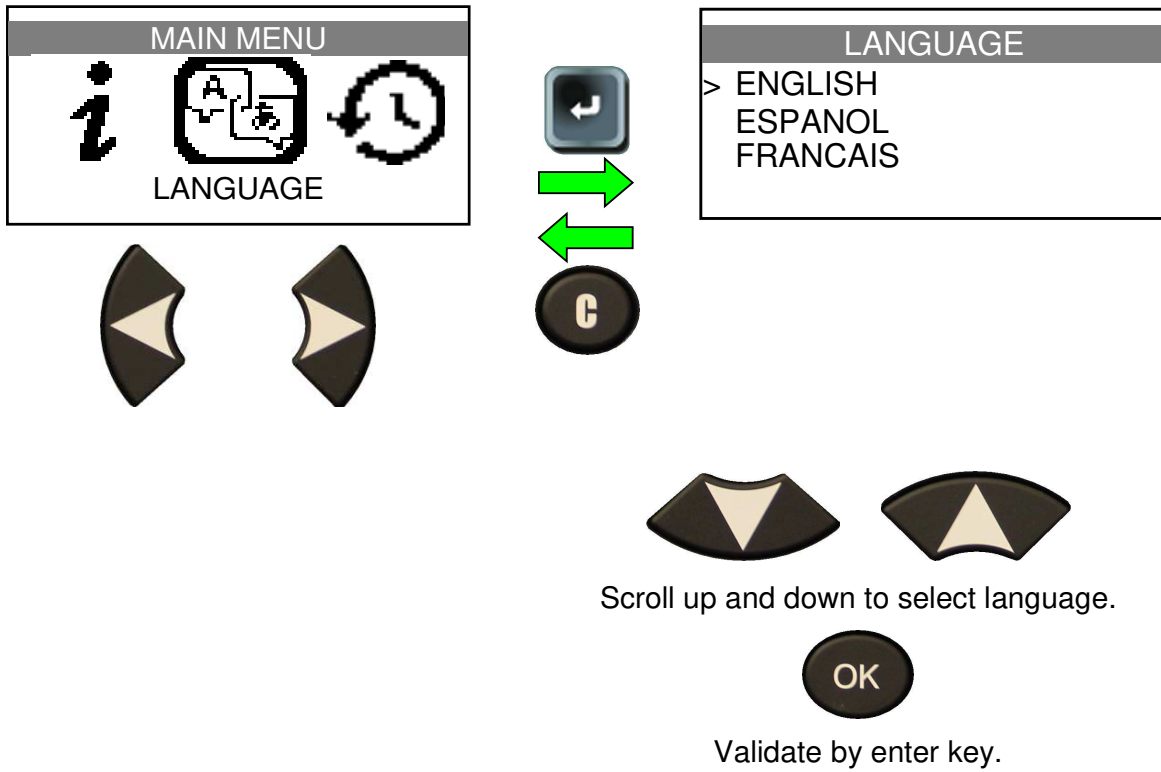
C Press to return settings without change.

ABOUT

1. ENTER IN THE ABOUT MENU

This is to display the current version and information about the device.

Scroll up and down to see different information

Press to return main menu.

LANGUAGE

1. ENTER LANGUAGES MENU

| MAIN MENU |
| LANGUAGE |

> ENGLISH
ESPANOL
FRANCAIS

Scroll up and down to select language.

OK

Validate by enter key.
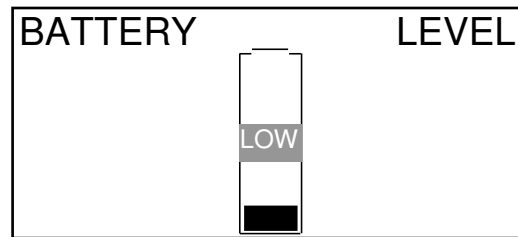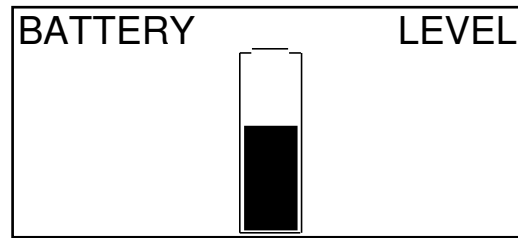
MISCELLANEOUS

1. CHARGE

Low Battery Indication

Your **TPMS TOOL** incorporates a low battery detection circuit. Battery life is an average of 150 sensor tests per battery full charge (approximately 30~40 cars).

A full charge is about 3 hours.

The power button can be pressed and held for a second to display battery status.

BATTERY   LEVEL

BATTERY   LEVEL

LOW

Battery replacement

When battery is low or your device doesn't charge, change 9V PP3 battery on the back of your **TPMS TOOL**.

2. 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.

Learn more about TPMS sensors we have.