ATEQ

Quick Reference Guide

VT55 & OBDII

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Section A - General Description of the ATEQ VT55

The principle of this instrument is to awaken and then retrieve data from smart valves mounted on vehicle wheels, in order to check their identifiers.

The instrument interacts with the smart valves to assist technicians service Tire Pressure Monitor Systems (TPMS). VT55 may be equipped with OBDII programmer to reset TPMS for import vehicles.

Front face

Connectors

24 V DC Power Supply Connection

USB Port (Web VT)

RJ45 Port (OBDII Connection)

Micro SD Slot
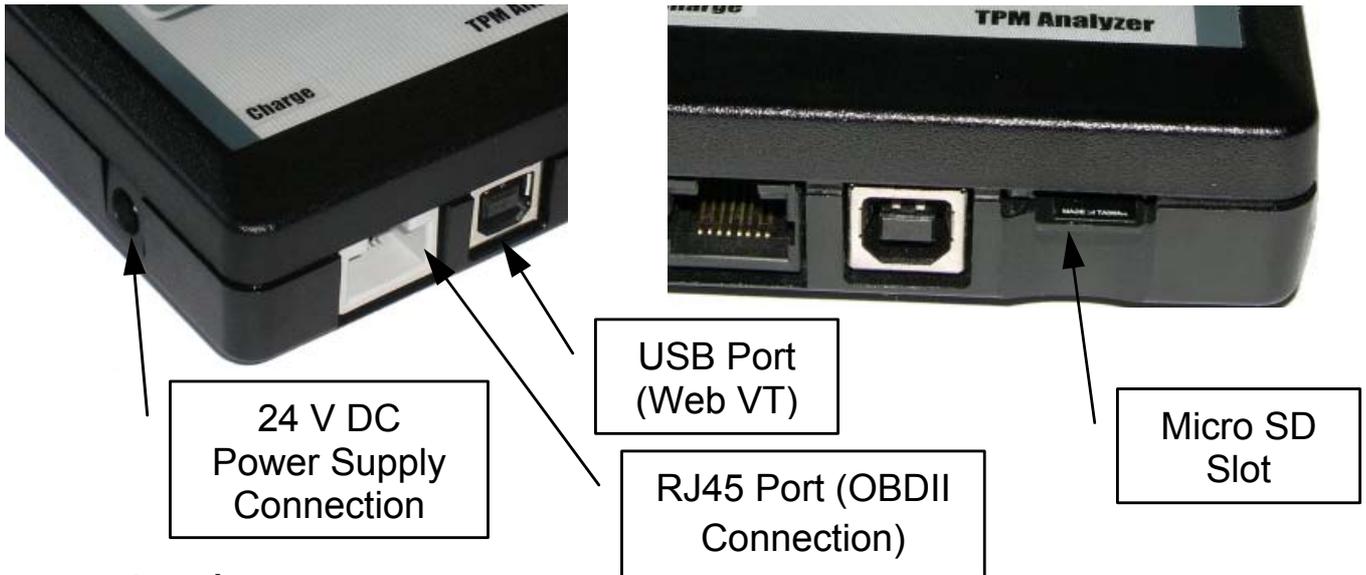
Power Supply connector
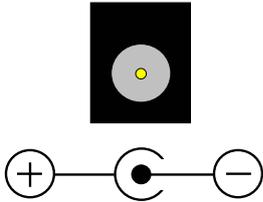
	Power supply connection to the tool for charging the internal battery. 24 V DC Supplied with the tool.

USB connector

	The USB connection allows software updates to be installed onto the tool using the WEB VT program. TPM sensor results can also be printed using this program.

RS232 connector

	The RJ45 connector use of the OBDII module.

Micro SD slot

	Micro SD slot allows software updates and data export.

Section B - Triggering Sensor(s)

B.1 - Testing a TPM Sensor

Step 1 – Select the "**VEHICLE SELECTION**" menu and confirm selection with the [↵] key.	MAIN MENU > VEHICLE SELECTION SETTINGS LANGUAGE
Step 2 – Select the vehicle brand on the screen by using the [▼] or [▲] keys and confirm selection with the [↵] key.	VEHICLE SELECTION SUBARU SUZUKI > TOYOTA
Step 3 – Select the "**READ SENSOR**" menu on the screen by using the [▼] or [▲] keys and confirm selection with the [↵] key.	TOYOTA > READ SENSOR PART # LOOKUP KEY FOB TEST
Step 4 – Select the vehicle model by using the [▼] or [▲] keys and confirm each selection with the [↵] key.	TOYOTA 4 Runner Avalon > Camry
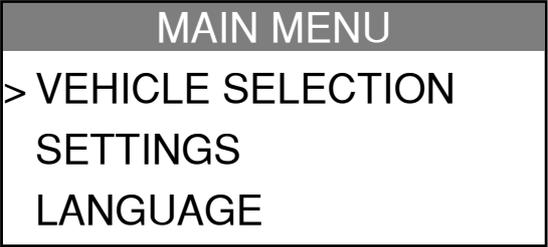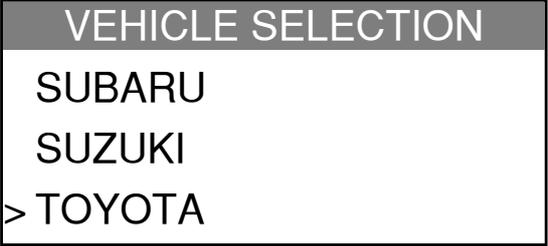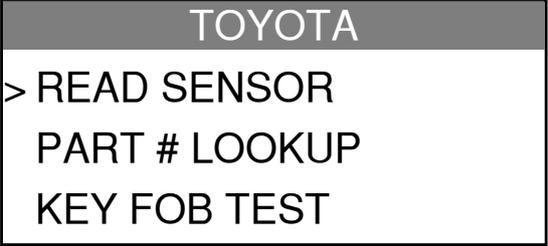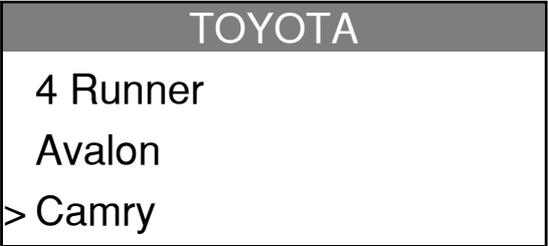
Step 4 – Select the year and the number of wheels by using the ▼ or ▲ keys and confirm each selection with the ↵ key.	**Camry**
	> 2007-2011
	  2012...
	
	TOYOTA
	> 4 WHEELS
	  5 WHEELS
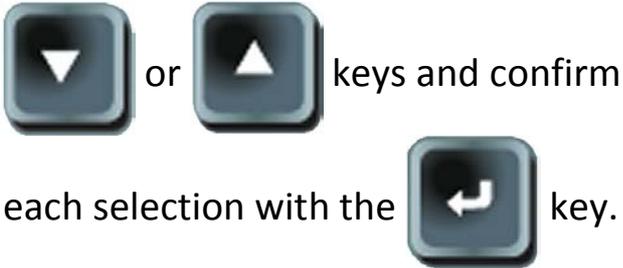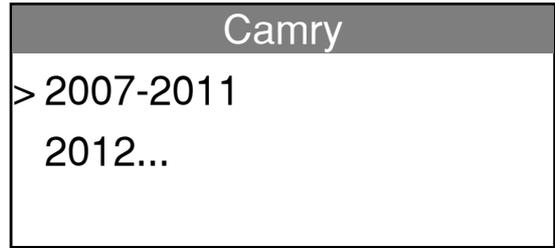
Step 5 - Hold the tool within a few inches from the TPM sensor.

ALWAYS position the antenna on the tire sidewall.

NOT over the valve stem

Antenna
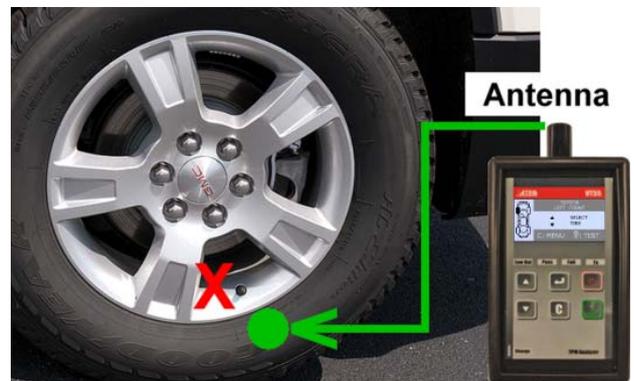
Some sensors are banded to the wheel and can be located 180° opposite the valve stem. (Refer to owners manual).

Step 6 - Press the **TEST** key. The tool will begin to send LF trigger and the TX light will flash. Depending on the sensor, the tool will activate the sensor on the first or last step. Each step identifies the number of valve types used on the vehicle brand.

TOYOTA
LEFT FRONT

▲   SELECT
▼   TIRE

C: MENU   : TEST

TOYOTA
LEFT FRONT

TRIGGER
PROCESSING

C: CANCEL

Low Bat   Pass   Fail   Tx
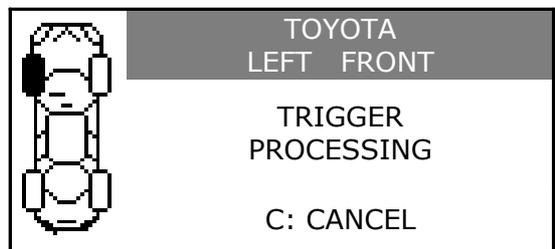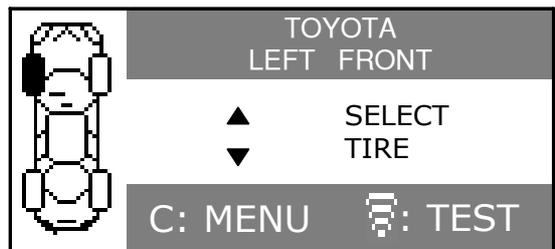
Step 7 – The tool will vibrate/beep after receiving the sensor information. The tool will display the sensor ID, pressure and sensor state of the valve that is triggered. If the tool does not receive the correct information, the fail LED will illuminate and you can restart the trigger sequence by pressing the ![TEST] key again.	TOYOTA LEFT FRONT 29.00 PSI 82°F ID: E89D500 315 MHz BAT:OK C: MENU : TEST : NEXT Low Bat Pass Fail Tx
Step 8- Follow the same procedure for the rest of the three or four wheels by pressing the ![Enter] key and then ![TEST] key. Keep the order in clockwise rotation. (Refer to vehicle owners manual or other reference guides for TPM reset procedure).	**1 Start FL** **FR 2** **4 End RL** **RR 3**
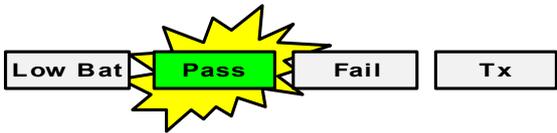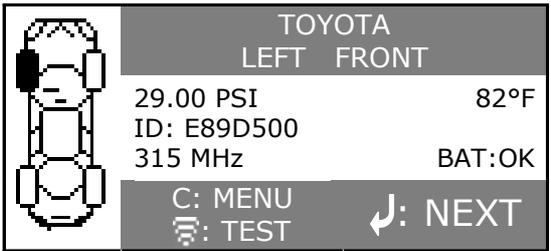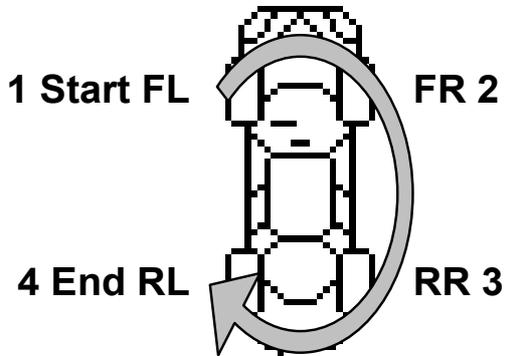
B.2 - Results Description

The picture below is an example of a valve data communication result:

Vehicle brand		Internal wheel Temp.
Tire internal pressure	TOYOTA LEFT FRONT 29.00 PSI 82°F ID: E89D500 315 MHz BAT:OK C: MENU : TEST : NEXT	Valve battery status
Valve identifier		When blinking Instrument is ready to test again

***Note**: The VT55 will identify the sensor information that is transmitted. Not all sensors transmit every piece of information shown.*

Section C – Using OBDII Function

Following Step 8 in Section B.

Once all the sensors are triggered, plug the **OBDII** module to the ATEQ VT55 using the RJ45 port.	
This screen message is displayed.	TOYOTA Camry ↵: ECU Relearn C: ABORT
Plug the ATEQ OBDII module to the vehicle OBDII port. Turn ON the ignition key and keep the engine Off.	TOYOTA Camry CONNECT OBD2 MODULE THEN TURN IGNITION ON C: ABORT
The VT55 will connect to the ECU and transmit valve information. The message **SUCCESSFUL TRANSFER** appears when the sensor information has correctly transferred into the ECU. Disconnect the OBDII module from the vehicle.	TOYOTA Camry CONNECTING… C: ABORT TOYOTA Camry CONNECTED TRANSFER OK VERIFY OK SUCCESSFUL TRANSFER C: ABORT
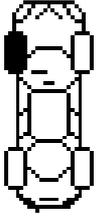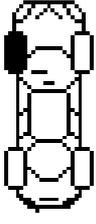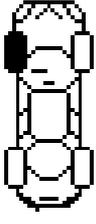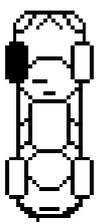
Section D – Installing USB Drivers and Web VT PC Suite

1) **Connect the TPMS TOOL to the USB port of your PC to properly install the drivers.** See Fig. 8.

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

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

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

5) Click "**Yes**" when the following window appears. See Fig. 9.

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

New Software Upgrades

As new software becomes available, you will be alerted on your computer monitor.
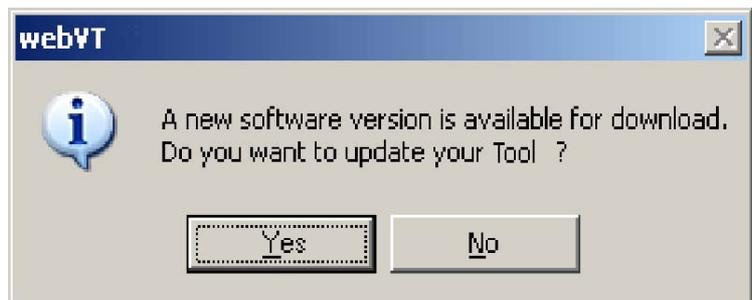
Note: To order annual update software part number, please see your dealer for availability and pricing.

Section E – Updating VT55

1.1. 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 **Web VT** 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 the PC during the update process. This may result in serious damage to the tool.

1.2. MICRO SD CARD OPTION (NON INTERNET) UPDATING

Before updating, ensure that the battery charge is full.

1) Place the **Micro 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 key.

6) The tool will now update its software version.

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

TRP
Test Box

- Pre-Test TPM sensors before you mount them to the tire.

- Ensure your gauge pressure matches the "Tire Relative Pressure".

- Save valuable time.

CDP 40
Pressure Calibrator

- Calibrate pressure gauge.

- Verify TPM pressure reading with pressure gauge.

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