Tire Pressure Monitoring System

TPMS6

TPMS diagnostic tool to diagnose sensors and relearn TPM systems on Domestic, Asian and European vehicles. Simple icon-based navigation easily navigates from one function to the next. Features vehicle-specific prompts that guide TPM system relearns and software to program aftermarket TPM sensors.

Contents

Safety Signal Words

All safety messages contain a safety signal word that indicates the level of the hazard. An icon, when present, gives a graphical description of the hazard. Safety Signal words are:

⚠ **DANGER**

Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury to the operator or to bystanders.

⚠ **WARNING**

Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury to the operator or to bystanders.

⚠ **CAUTION**

Indicates a potentially hazardous situation which, if not avoided, may result in moderate or minor injury to the operator or to bystanders.

Safety Message Conventions

Safety messages are provided to help prevent personal injury and equipment damage.
Safety messages communicate the hazard, hazard avoidance and possible consequences using three different type styles:

 • Normal type states the hazard.
 Bold type states how to avoid the hazard.
 Italic type states the possible consequences of not avoiding the hazard.
An icon, when present, gives a graphical description of the potential hazard.

Safety Message Example

⚠ **WARNING**

 • Risk of unexpected vehicle movement.
 Block drive wheels before performing a test engine running.
 Moving vehicles can cause injury.

Safety Precautions

⚠ WARNING

• Use of diagnostic equipment can cause electrical shock, fire and explosion.

Use caution and proper procedures when connecting and disconnecting leads. Diagnostic equipment must be located 18" or more above floor level. Avoid sparks and other sources of ignition.

Electrical shock, flames and explosion can cause serious injury.

• Improper use can cause hazardous conditions.

Unexpected electrical, thermal or mechanical occurrences can cause injury.

Read and follow all safety precautions accompanying the product. Wear safety goggles.

• Electromagnetic and electronically generated waves may interfere with pacemakers.

Individuals with pacemakers should never use this product.

Using this product with a pacemaker can result in serious injury or death.

• Internal battery presents a risk of fire, explosion and electric shock.

Charge battery pack only with charger provided.

Do not operate at temperatures above 120°F (50°C). Do not store at temperatures above 140°F (60°C).

Do not discard used batteries; return them to a Snap-on repair center for recycling. Follow all safety messages in user manual.

Warning: This product can expose you to chemicals such as Diisononyl Phthalate (DINP), which is known to the State of California to cause cancer and chemical such as Bisphenol A (BPA), which is known to the State of California to cause birth defect or other reproductive harm.

Fire or explosion or electric shock can cause injury.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and
(2) This device must accept any interference received, including interference that may cause undesired operation.

IP54 BC FC UKCA CE

FCCID: 2ANR7-TPMS6

TPMS6	QTY:1
For Emergencies only. Call CHEMTREC	
1-800-424-9300 US and Canada	
+1-703-741-5970 International	
3.8VDC 3050mAh 11.59Wh	

Input Rating: DC5V, 1A
Operating temperature range: -10 C ~ 50 C
Storage Temperature range: -20 C ~ 60 C
Operating Humidity: 20 ~ 85 % RH. NON-CONDENSING
Storage Humidity: 5 ~ 95 % RH. NON-CONDENSING
IP54: Dust-Protected and protected against splashing water.

Do not position the equipment so that it is difficult to operate the disconnecting device.
Cleaning
Clean with a soft dry cloth, or if necessary, a soft damp cloth with clean water. Do not use any harsh chemical solvents such as acetone, thinner, brake cleaner, alcohol, etc as this may damage the plastic surface.

AT	BE	BG	HR	CY	CZ	DK
EE	FI	FR	DE	EL	HU	IE
IT	LV	LT	LU	MT	NL	PL
PT	RO	SK	SI	ES	SE	UK

Federal Communication Commission Interference Statement

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

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

. Reorient or relocate the receiving antenna.

. Increase the separation between the equipment and receiver.

. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

. Consult the dealer or an experienced radio/TV technician for help.

FCC Caution: *To assure continued compliance, any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. (Example - use only shielded interface cables when connecting to computer or peripheral devices).*

FCC Radiation Exposure Statement

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. The exposure standard for wireless devices employing a unit of measurement is known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6W/kg.

The FCC has granted an Equipment Authorization for this device with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. SAR information on this device is on file with the FCC and can be found under the Display Grant section of www.fcc.gov/oet/ea/fccid after searching on FCC ID: 2ANR7-TPMS6

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

ISED Statement

CAN ICES (B) / NMB (B)

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

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

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

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

ISED Radiation Exposure Statement
The device meets the exemption from the routine evaluation limits of RSS 102 and compliance with RSS-102 RF exposure, users can obtain Canadian information on RF exposure and compliance.
This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. The highest reported SAR value for this device is 0.386 W/kg at 0 mm which is less than the SAR limit 1.6 W/kg set by the ISED.

Le dispositif rencontre l'exemption des limites courantes d'évaluation dans de RSS 102 et la conformité à l'exposition de RSS-102 rf, utilisateurs peut obtenir l'information canadienne sur l'exposition et la conformité de rf.
Cet émetteur ne doit pas être Co-placé ou ne fonctionnant en même temps qu'aucune autre antenne ou émetteur. La valeur DAS la plus élevée rapportée pour cet appareil est de 0.386 W / kg à 0 mm, ce qui est inférieur à la limite DAS de 1,6 W / kg établie par ISED.
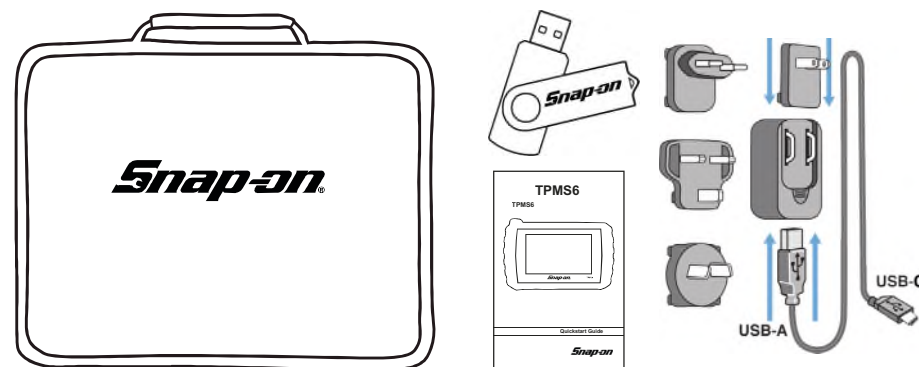
Chapter 1: Introduction

TPMS diagnostic tool that tests pressure monitoring sensors, captures sensor data, and relearns tire pressure monitoring systems. Also programs aftermarket sensors and various other TPMS functions.

Front

Antenna

Touch Screen Display

TPMS6

Back

Battery Compartment
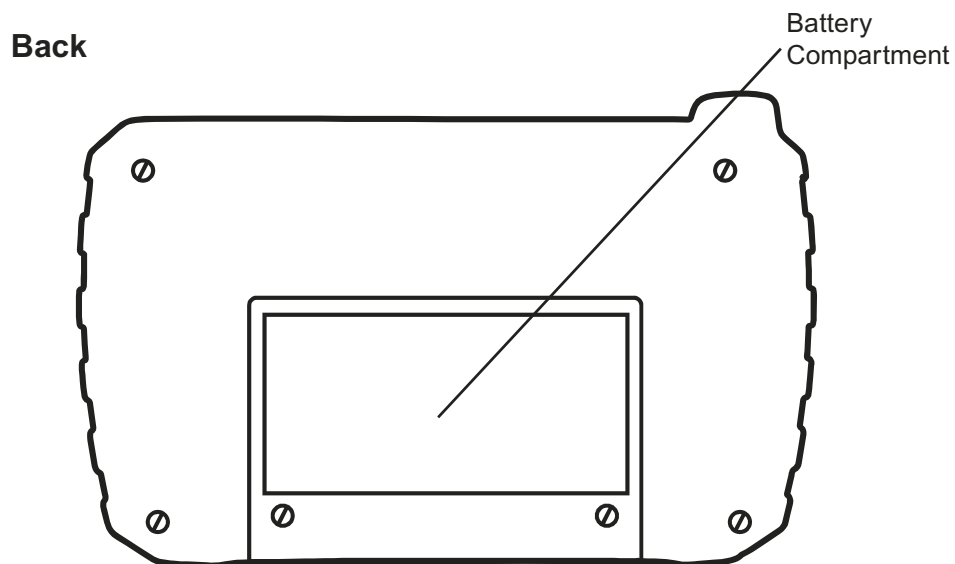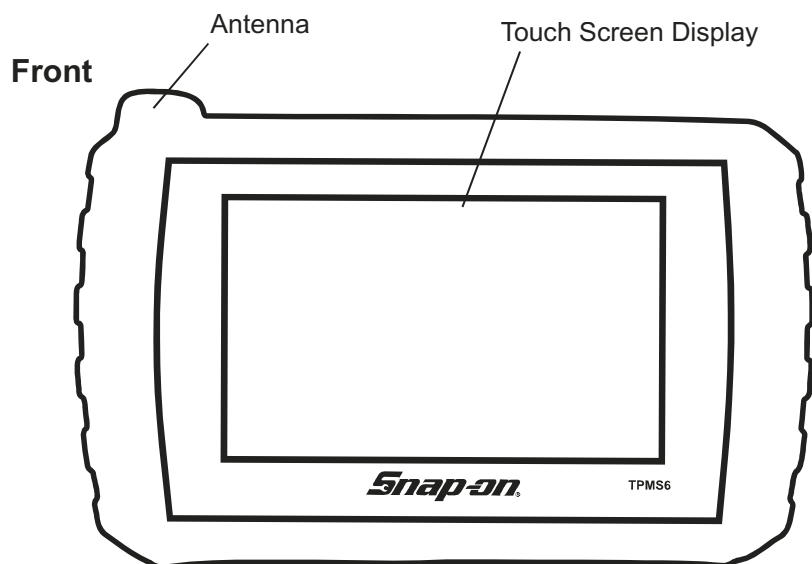
Kit Contents

TPMS6	TPMS6
TPMS5-4	TPMS6 USB Cable
TPMS5-7	AC/DC Power Adapter
TPMS4-8	Lithium Battery
TPMS5-9	Soft Carry Case
TPMS6-10	USB Drive with Manual
SS253598	Quick Start Guide
TPMS6U	TPMS6 Software Update

USB-C

USB-A

Top

USB-C Port   Power   Trigger
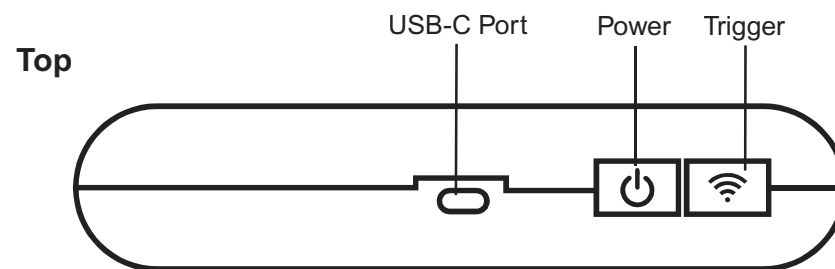
Chapter 2: Tool Operation and Navigation

When testing sensors, position the TPMS6 antenna on the sidewall of the tire near the valve. Press the Trigger button to trigger the sensor.

TPMSWAND

Optional accessory

Snap-on TPMSWAND is an optional accessory that helps you trigger sensors without bending down to reach the sensor.

The TPMSWAND is also a convenient tool to trigger sensors on heavy duty trucks with dual rear wheels.

A - Main Menu

The Main Menu is a hub to the various features and functions available on the TPMS6. From this screen you will find the main TPMS Function, Special Functions, Update/Registration, Settings, History, and Training.

TPMS
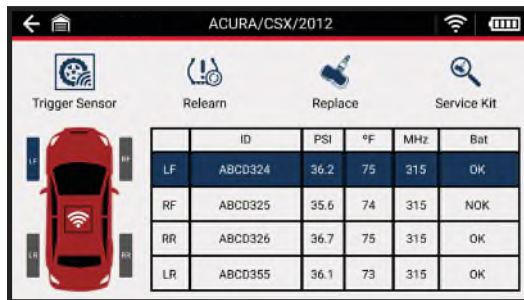
Special Functions
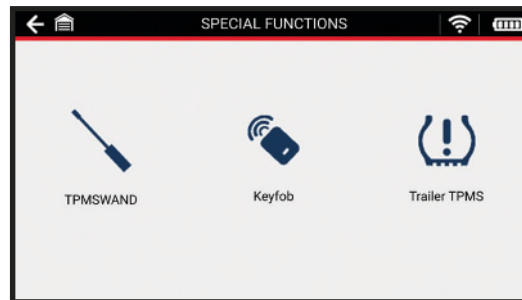
Update
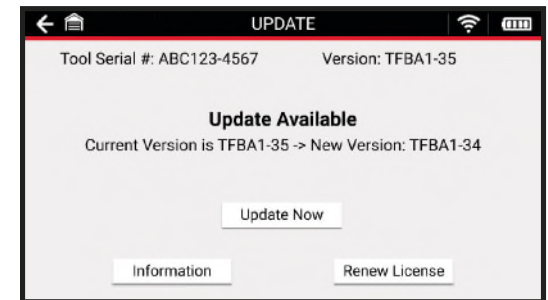
Settings
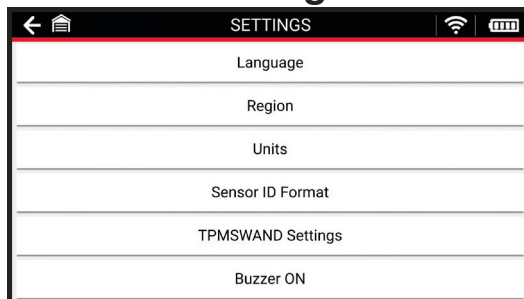
History

Training
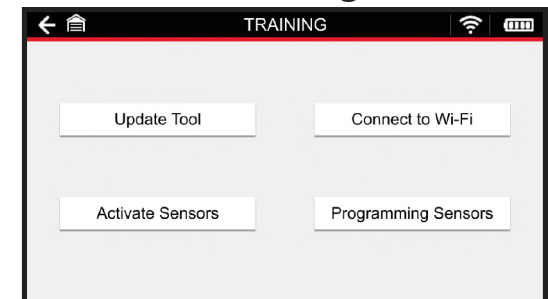
B - TPMS

The main function of the TPMS6 is to trigger sensors, perform TPMS relearns, replace sensors, and more. This section will cover all the functionalities of "TPMS".
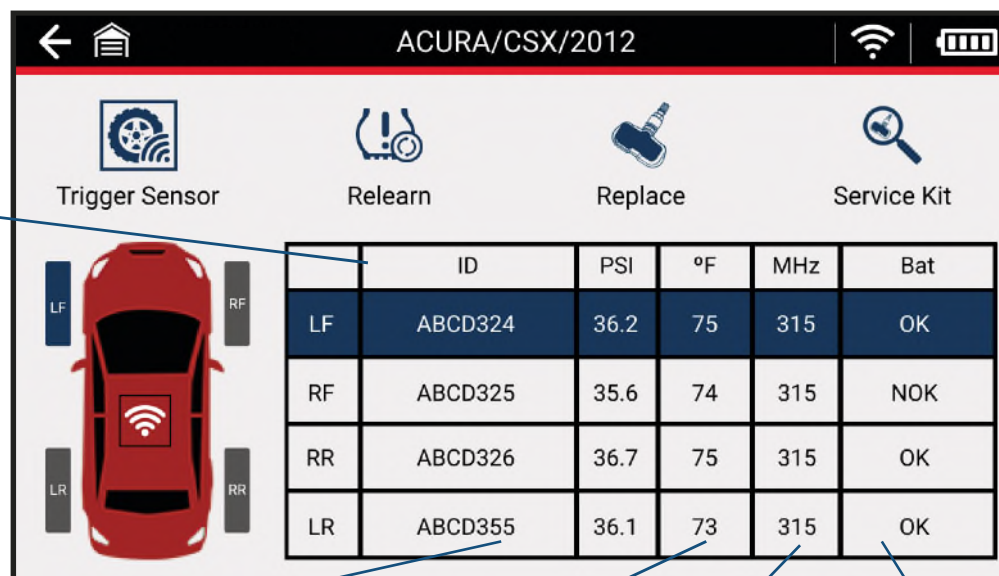
1. Trigger Sensor

Trigger Sensor is selected by default upon entering the TPMS function. From here, using the Trigger button on top of the tool or by tapping the trigger icon on the display (located on the vehicle icon), the tool will trigger TPMS sensors and display all TPMS info.

Sensor ID

Sensor ID is unique to each TPMS sensor and can be displayed in either Hexadecimal or Decimal format.

	ID	PSI	°F	MHz	Bat
LF	ABCD324	36.2	75	315	OK
RF	ABCD325	35.6	74	315	NOK
RR	ABCD326	36.7	75	315	OK
LR	ABCD355	36.1	73	315	OK

ACURA/CSX/2012 — Trigger Sensor | Relearn | Replace | Service Kit

Pressure

Tire pressure is displayed in PSI, Bar, or kPa.

Temperature

Tire temperature is displayed in either Fahrenheit or Celsius.

Frequency

Sensor frequency is displayed. Many Domestic vehicles use 315 MHz, and many Asian and European use 433 MHz.

Battery

Sensor battery status is displayed. If a sensor's battery is sufficient "OK" will be displayed. If a sensor battery is low, "NOK" will be displayed

2. Relearn

When replacing a sensor, or altering sensor locations, a TPMS relearn is required. The Relearn function displays all necessary steps to put a vehicle into a "learn" mode, to relearn the sensors to the ECU.

FORD/F-150/2020

Trigger Sensor **Relearn** **Replace** **Service Kit**

LF RF

LR RR

With Standard Ignition:

Set tire pressures to door placard

Perform the following steps in order within 10 seconds to initiate Relearn mode:

Begin with the ignition in OFF position, then press and release the brake pedal

Quickly turn the ignition from OFF to RUN (engine OFF) three times (stop in RUN position)

A single horn will sound to indicate the relearn mode is

3. Replace

If a sensor needs replacing, this function can be used to program aftermarket TPMS sensors and view OEM sensor part numbers. *Sensor Programming functions are explained in the next section.*
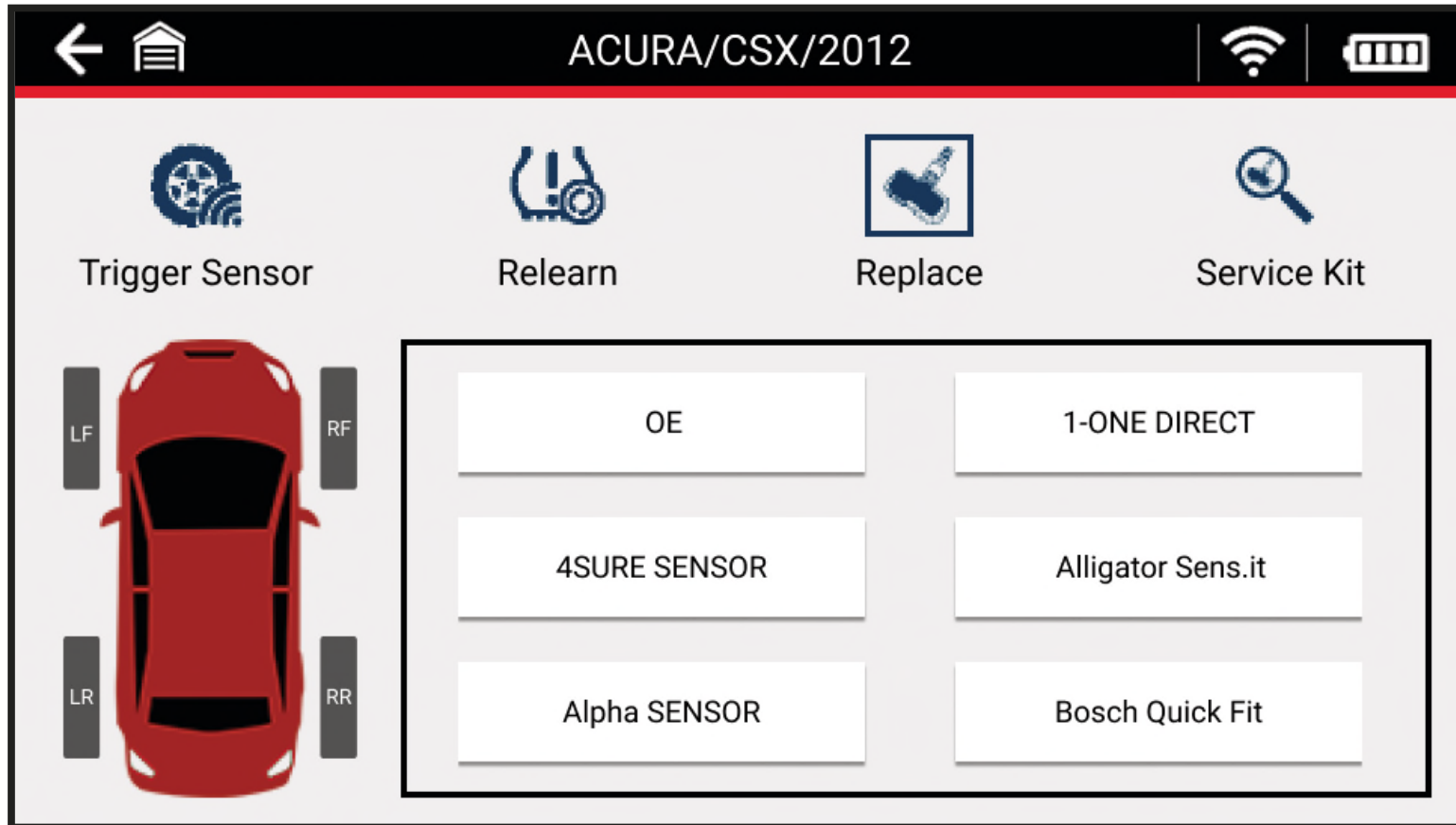
3.1 Create

The Create function allows the user to program a brand new sensor ID to an aftermarket TPMS sensor.

1
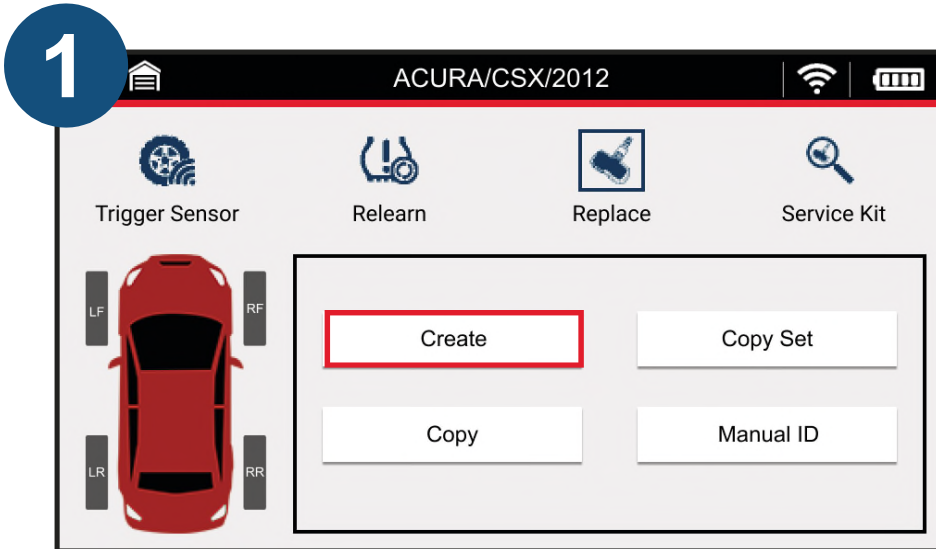
Select the sensor brand you are working with, then select "Create".

2
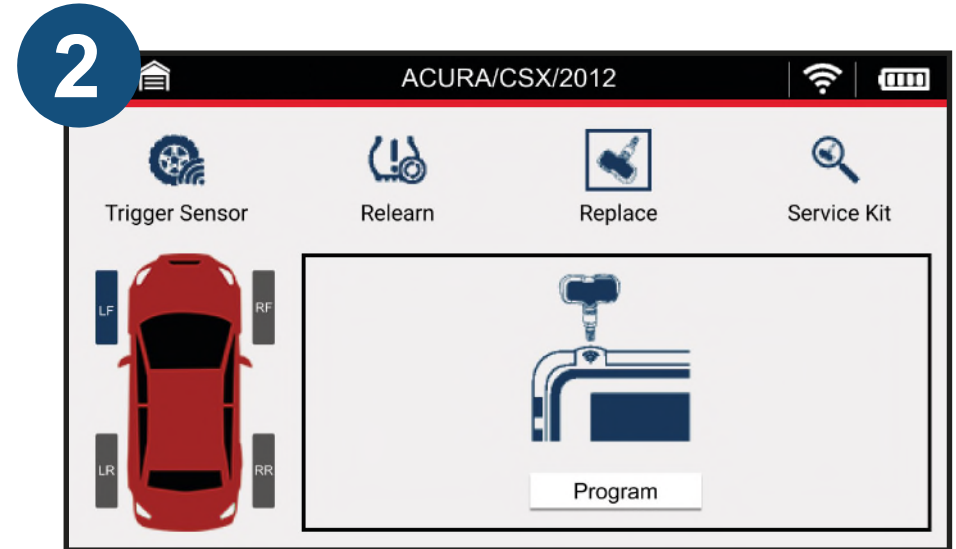
Place the sensor above the tool's antenna, and tap program, or use the Trigger button on top of the tool.
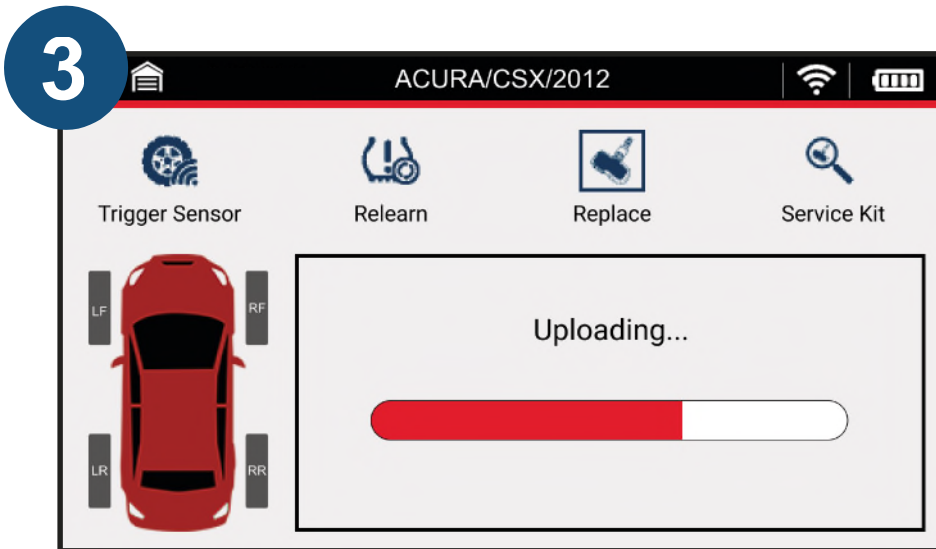
3

The tool will begin programming the sensor. *This process may take a few moments.*

4

Once successfully programmed, the tool will display the sensor's ID.

3.2 Copy Set

The Copy Set function allows the user to copy the sensor ID from an existing sensor, and program them to an aftermarket sensor.

1
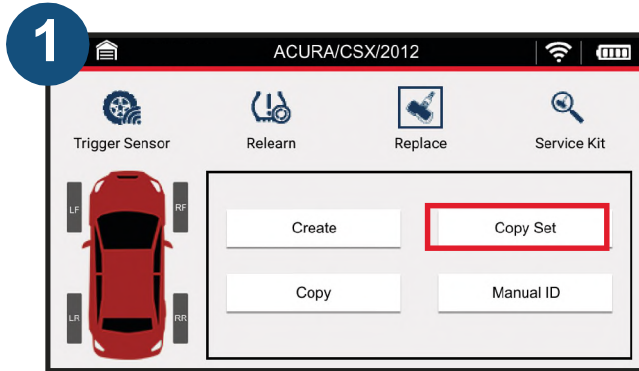
Select the sensor brand you are working with, then select "Copy Set".

2
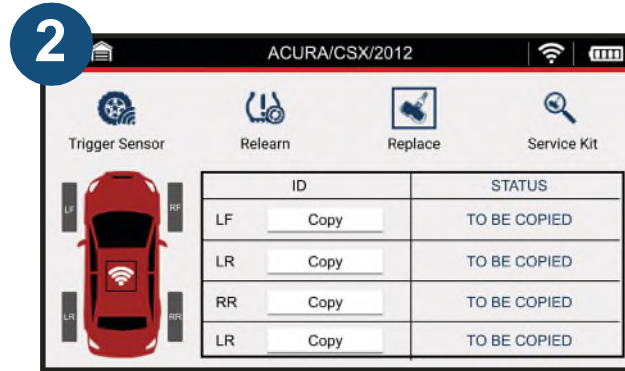
The tool will display a table to copy multiple sensors. Place the tool's antenna next to the sensor you wish to copy, and tap copy.

3
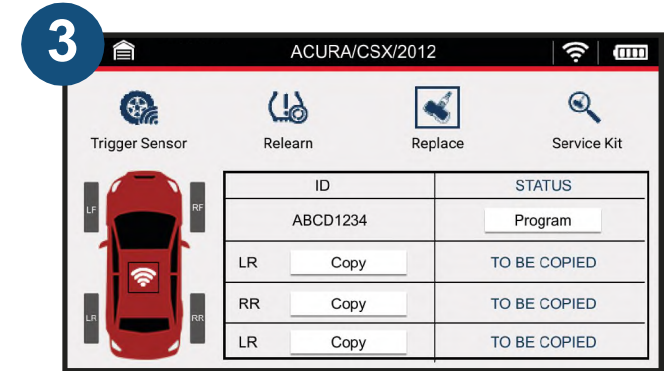
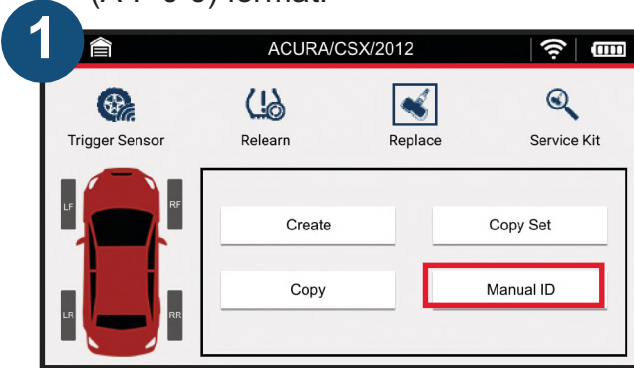The existing sensor's ID will be displayed. Place the new sensor above the tool's antenna, and tap program.
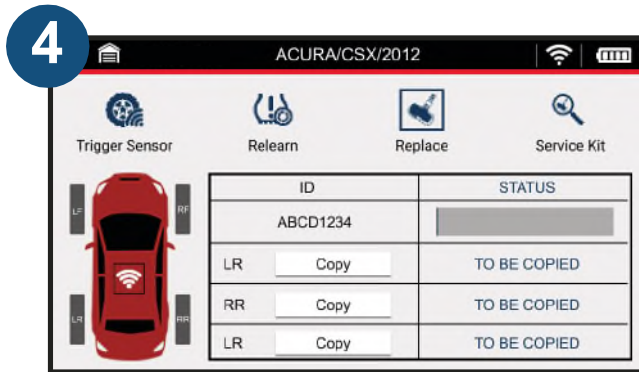
4

The tool will begin programming the sensor. *This process may take a few moments.*

5

Once successfully programmed, the tool will display the sensor's ID.

Note: Sensors can be copied and programmed in any order. It is not necessary to Copy, then Program each sensor in succession.

3.3 Copy

The Copy function allows the user to copy the sensor ID from an existing sensor, and program them to an aftermarket sensor.

1 Select the sensor brand you are working with, then select "Copy".
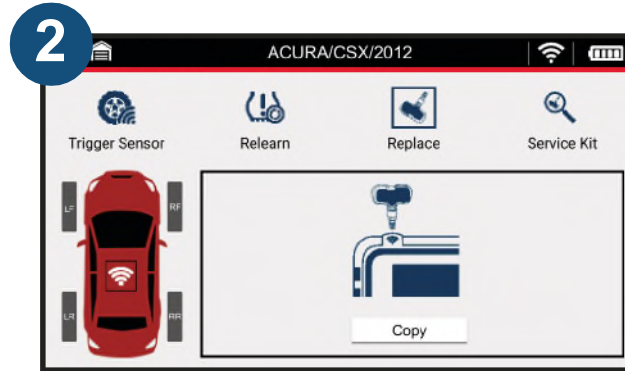
2 Place the tool's antenna next to the sensor you wish to copy, and tap copy, or use the Trigger button on top of the tool.
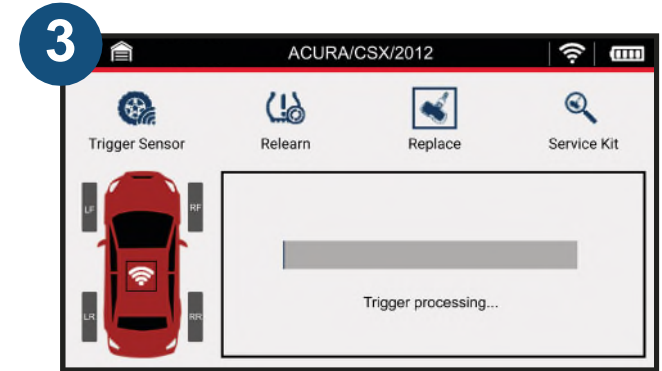
3 The tool will begin copying the existing ID.

4 The existing sensor's ID will be displayed.
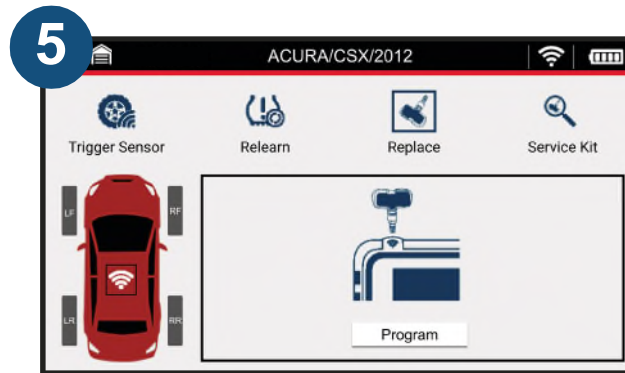
5 Place the new sensor above the tool's antenna, and tap program
The tool will begin programming the sensor. *This process may take a few moments.*

6 Once successfully programmed, the tool will display the sensor's ID.

3.4 Manual ID

The Manual ID function allows the user to program a custom ID to an aftermarket sensor in either Decimal (0-9) or Hexadecimal (A-F 0-9) format.

1

Select the sensor brand you are working with, then select "Manual ID".

2

Select Program to begin the manual entry process.

3
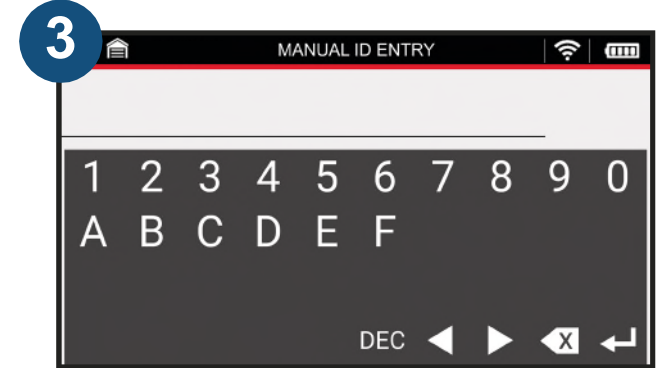
Manually enter the Sensor ID. Switch between Hexadecimal and Decimal format by selecting the format on the keyboard.

4
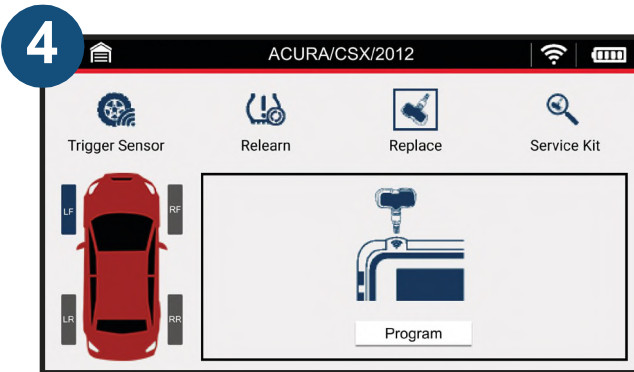
Once entered, place the new sensor above the tool's antenna, and tap program.
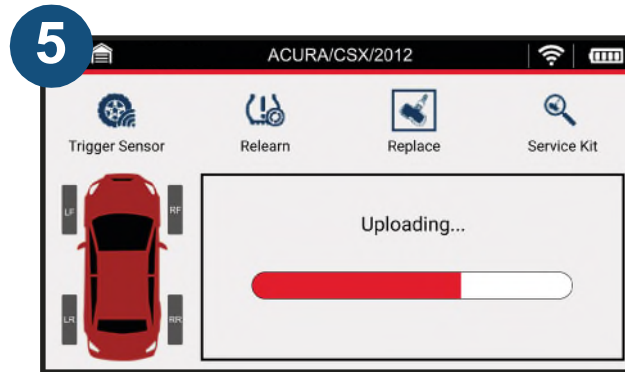
5

The tool will begin programming the sensor. *This process may take a few moments.*

6

Once successfully programmed, the tool will display the ID entered.

4. Service Kit

When replacing a sensor, it is often necessary to replace the sensor's valve stem. The Service Kit function displays the applicable service kit used for replacing sensors for the selected vehicle. The part number and torque specs are displayed.
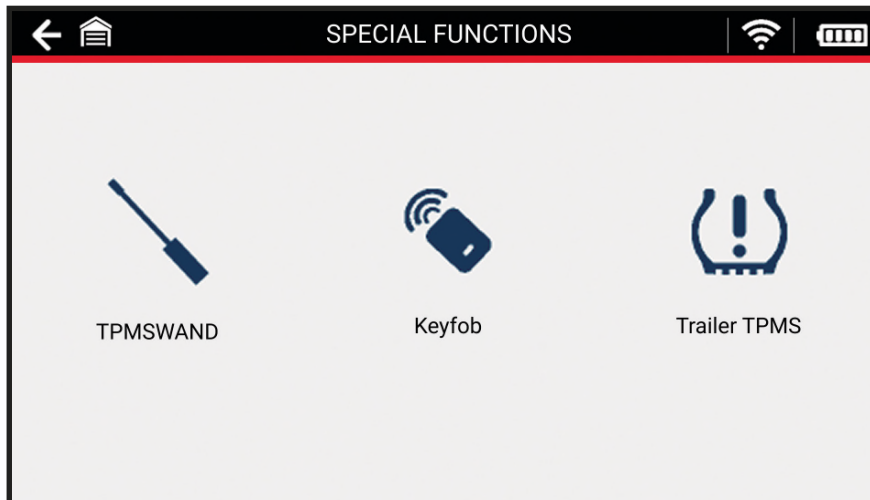
ACURA/CSX/2012

Trigger Sensor   Relearn   Replace   Service Kit

Part#	42753-TX6-A81
Valve Core Torque	2-5 in/lbs. (.23-.56 N-m)
Nut Torque	71 in-lbs (8 N-m)
Screw Torque	N/A

C- Special Functions

Within the Special Functions option from the main menu you will find TPMSWAND, Keyfob, and Trailer TPMS. This section will cover each function.

1. TPMSWAND

Snap-on TPMSWAND is an optional accessory that helps you trigger sensors without bending down to reach the sensor. The TPMSWAND is also a convenient tool to trigger sensors on heavy duty trucks with dual rear wheels.
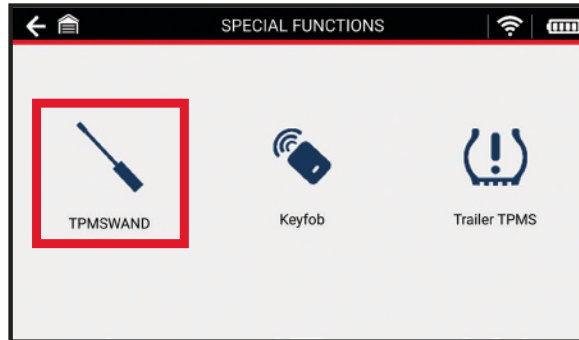
HOW TO PAIR TPMSWAND

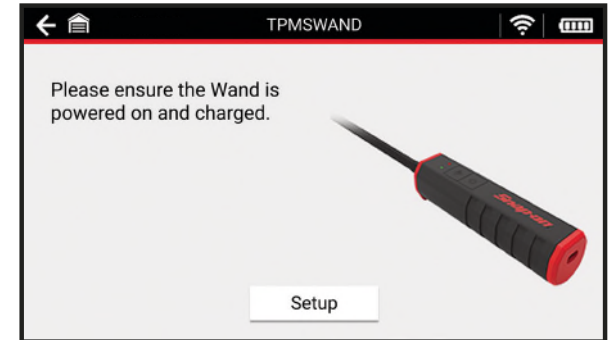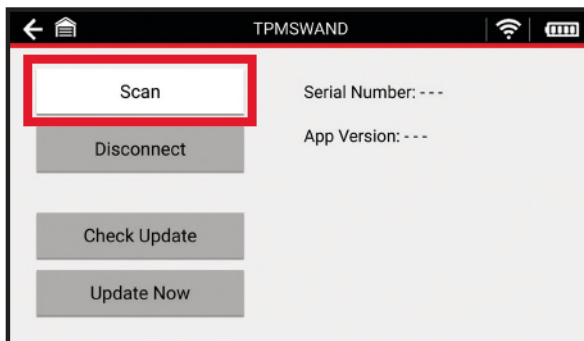**1** Select Special Functions (TPMSWAND settings can also be found under settings)
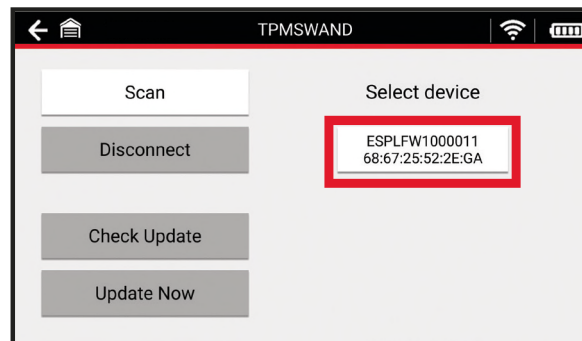
2 Select TPMSWAND
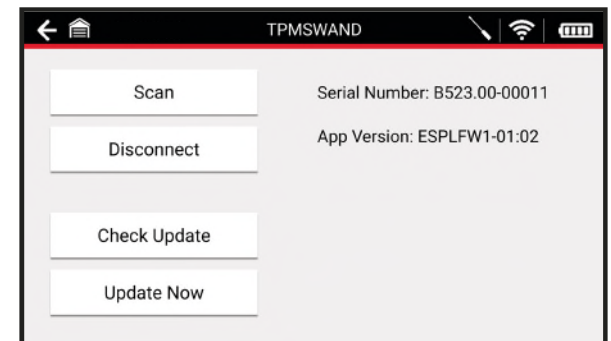
3 Select Setup

4 Select Scan

5 Select device to connect

6 Device is connected

OPERATING INSTRUCTIONS

- Hold power button for 2 seconds to turn on the wand.
- Pair wand to TPMS Tool.
  See pairing instructions above.
- Position the tip of the wand near valve stem, press the trigger button to activate the sensor.
- Sensor results will appear on the screen of the TPMS tool.
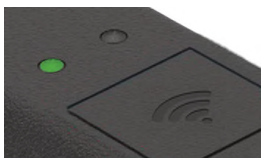
TRIGGER **POWER**

BUZZER AND VIBRATION

- Short Buzzer and vibration when device is turned ON or OFF.
- Long Buzzer and vibration feedback when pairing with TPMS tool is achieved and LED turns green.
- Short Buzzer and vibration when sensor is read with success.
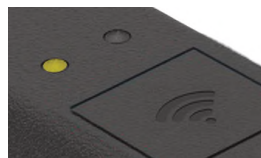
LED STATUS

LEFT LED GREEN

- BT connection Successful
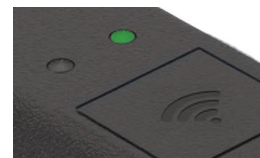- Green Blinking: On-going Trigger

LEFT LED YELLOW

- No sensor read

RIGHT LED RED

- Battery charging

RIGHT LED GREEN

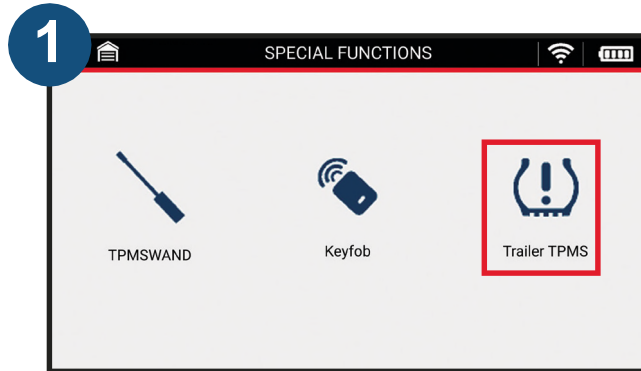- Battery fully charged

2. Keyfob

The TPMS6 includes the ability to test vehicle keyfobs. Many vehicle relearns require the use of a keyfob, so testing its functionality is crucial. Within Keyfob, press either the lock or unlock button on the fob to display a bar graph. The tool will display signal strength so the user can determine if the fob is functioning properly.
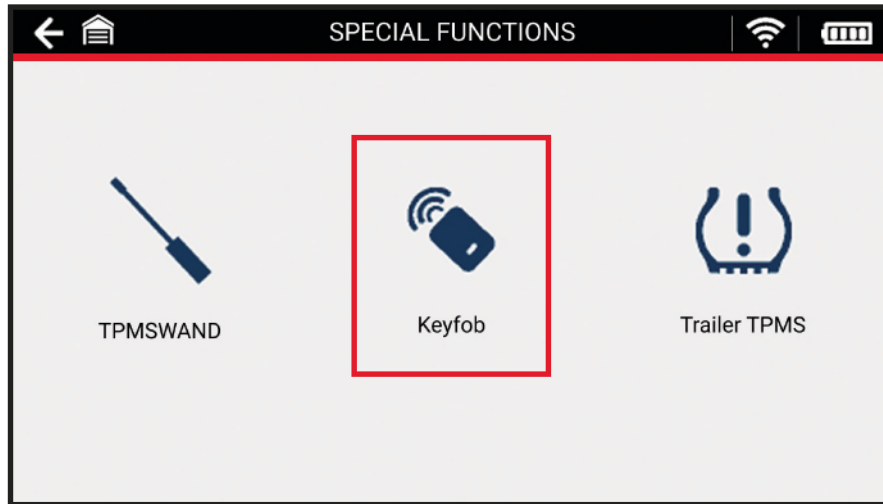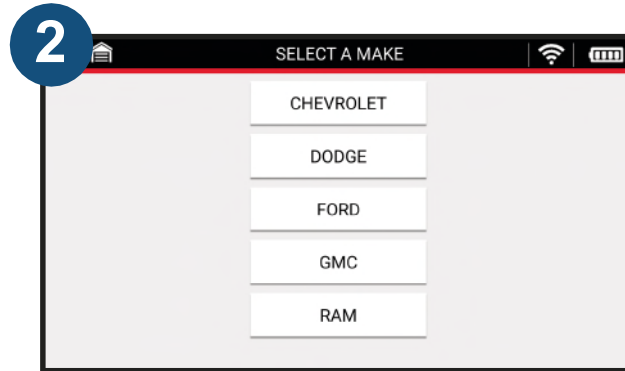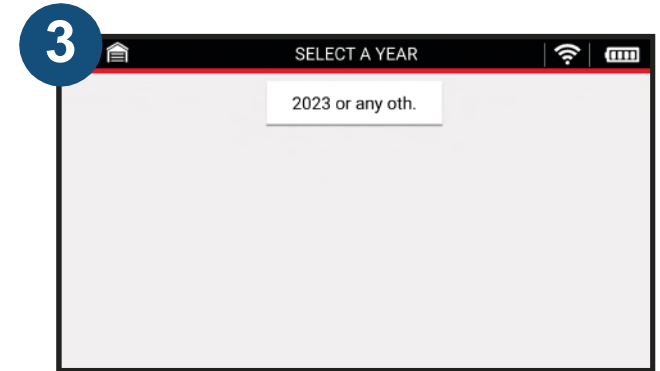
3. Trailer TPMS

This function is dedicated to trailer TPMS management. From single to multiple axles, read sensors up to 3 axles and 12 wheels, including dual wheels support.

1

SPECIAL FUNCTIONS

TPMSWAND   Keyfob   Trailer TPMS

Select Trailer TPMS under the Special Functions menu.

2

SELECT A MAKE

CHEVROLET

DODGE

FORD

GMC

RAM

Select the Make

3

SELECT A YEAR

2023 or any oth.

Select the Year

4

SELECT A MAKE

1 AXLE / 2 WHEEL

1 AXLE / 4 WHEELS

2 AXLES / 4 WHEELS

2 AXLES / 8 WHEELS

3 AXLES / 6 WHEELS

3 AXLES / 12 WHEELS
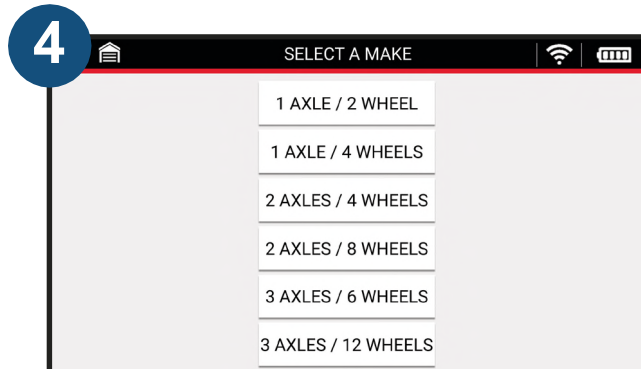
Select the axle / wheel configuration

5

FORD/TRAILER/2023 or any other year

Trigger Sensor   Relearn   Replace   Service Kit

	ID	PSI	°F	MHz	Bat
W1					
W2					
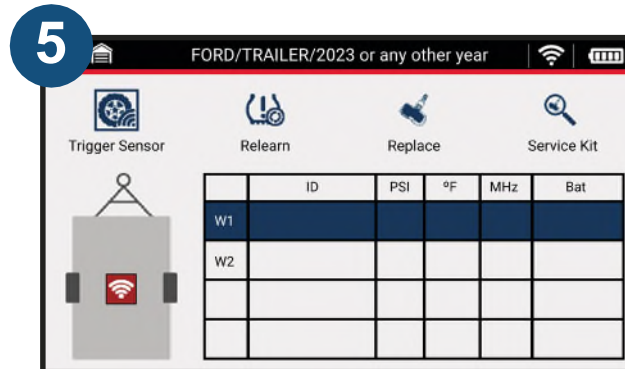
Once the sensors have been triggerd, the sensor information will be displayed.

D - Settings

Within the Settings function, a variety of customizable settings can be changed for user preference. Each setting is described in the next section.
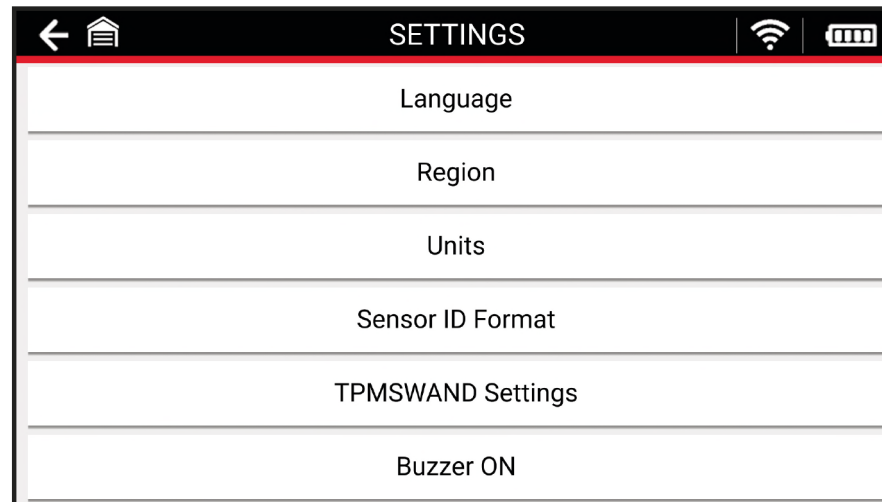
|	
Language	Change between 10+ Languages including English, Spanish, French, and more.
Region	Change Region from North America, Europe, Australia, or Japan.
Units	Change Pressure (PSI, Bar, kPa) and Temperature (ºF, ºC) units.
Sensor ID Format	Change Sensor ID Formats from Decimal (0-9), Hexadecimal (A-F 0-9), or Auto.
TPMSWAND Settings	Settings for the TPMSWAND
Buzzer	Change Sound settings including Beep (On/Off), and Vibration (On/Off).
Auto OFF	Change Auto OFF settings from 10min-60min or Off completely.
WiFi Settings	Change Wifi Settings by scanning for available networks and connecting. (This setting is necessary for WiFi Updating).
Reset to Default	Erase all data from the tool and return it to factory settings. **WARNING: This will remove all jobs, settings, and update information from the tool**
About	View various tool information including Serial Number, Version, Copyright information, and more.

E - History

Within the History function, view all saved jobs in the tool and revisit them.
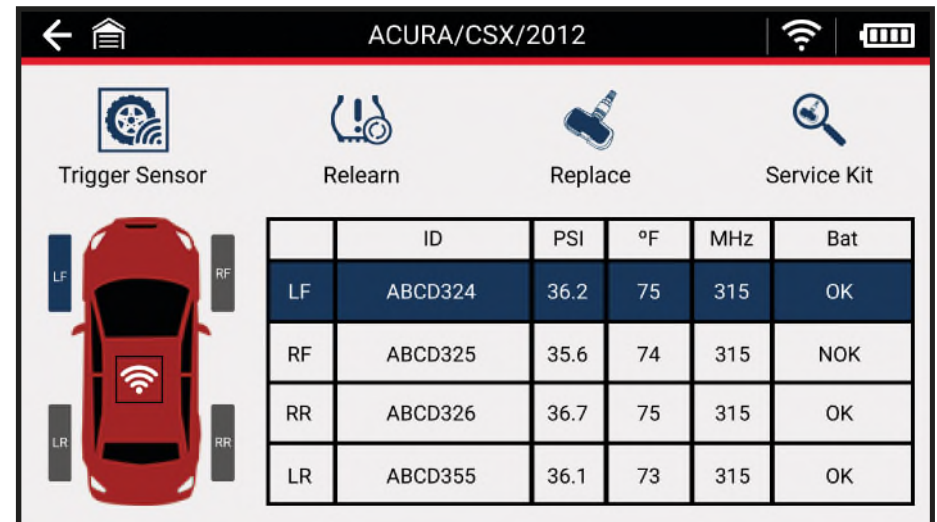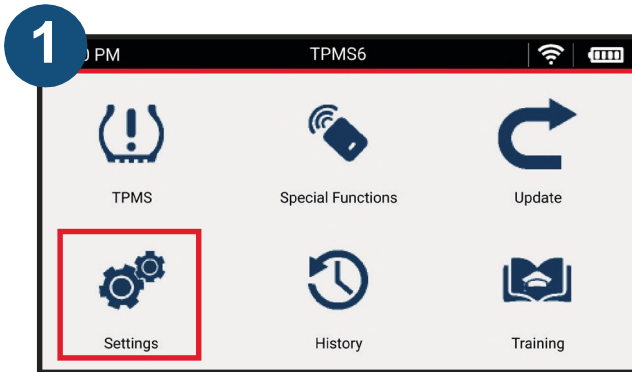
F - Training

Within the Training function, view frequently asked questions. Select the topic, then scan QR code with your mobile device to view video.
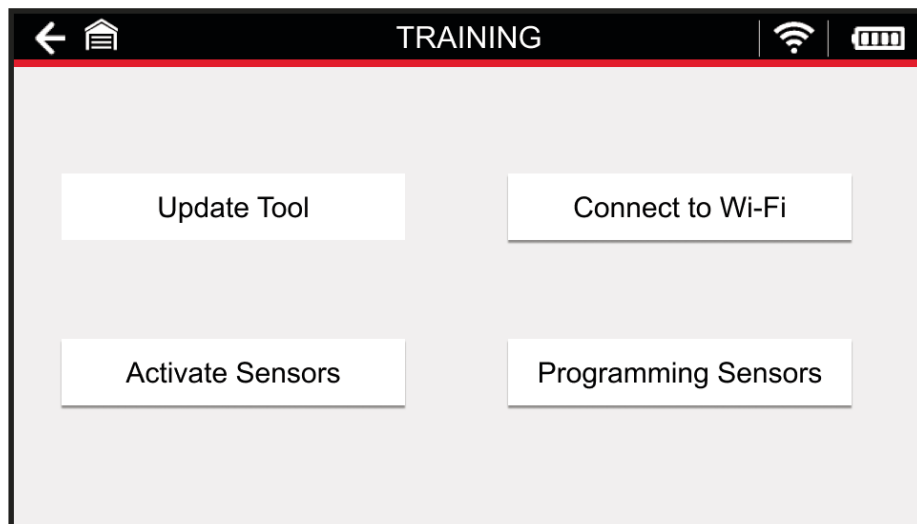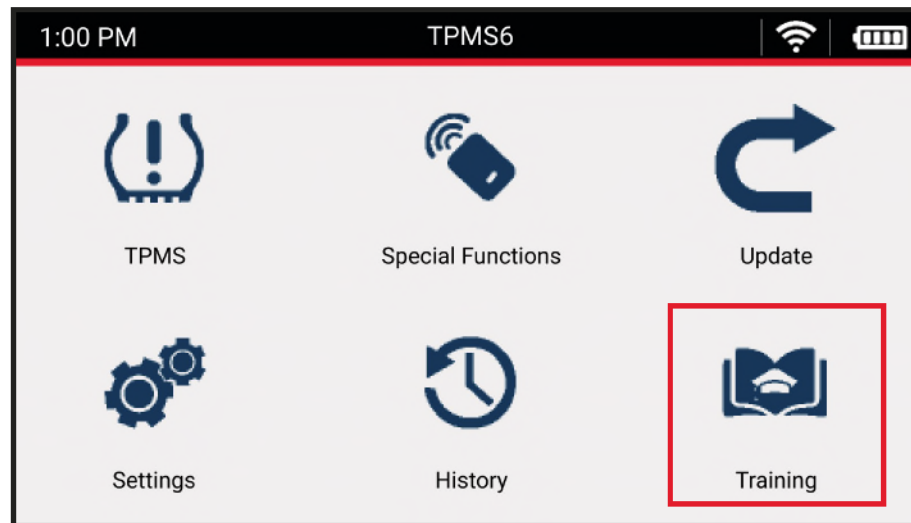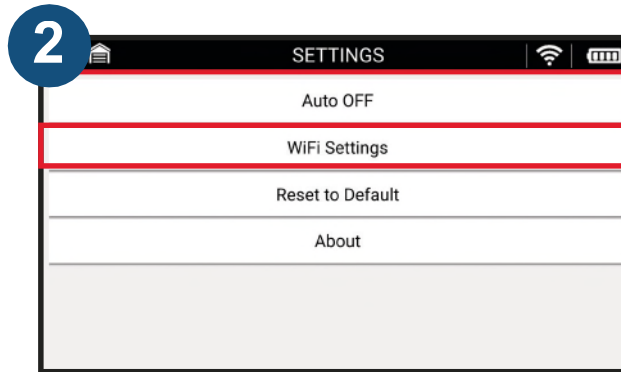
Chapter 3: Updating

The TPMS6 can be updated directly through WiFi. **Ensure the tool is plugged in and charging whenever performing an update.**

1

First, WiFi must be set up on the tool. select Settings.

2

Scroll down to WiFi Setup and select it.

3
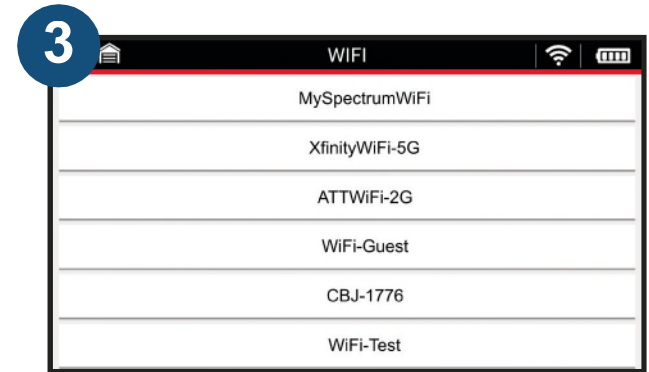
The WiFi setup screen will appear, as well as all available networks. Select the network you are using.

4
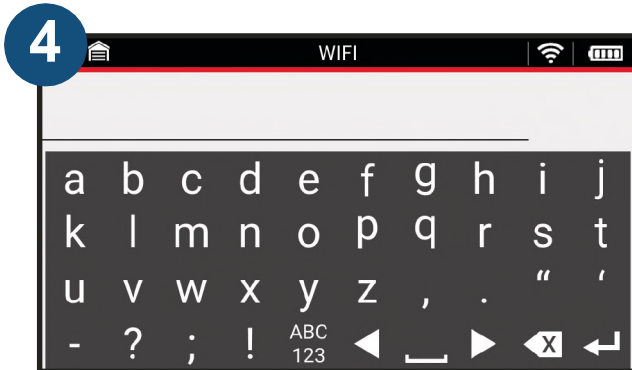
You will be prompted to enter the password for you network

5
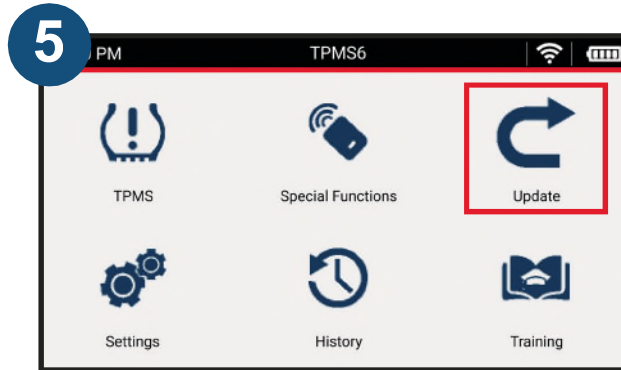
Once complete, the tool will display that you are connected to the network. From the Main Menu, select Update to continue with the update process.

6
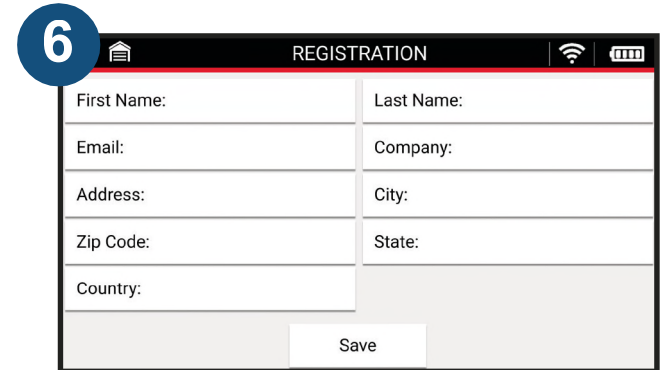
If this is your first time visiting this screen, you will be prompted to register your tool. Enter all information, then select Save.
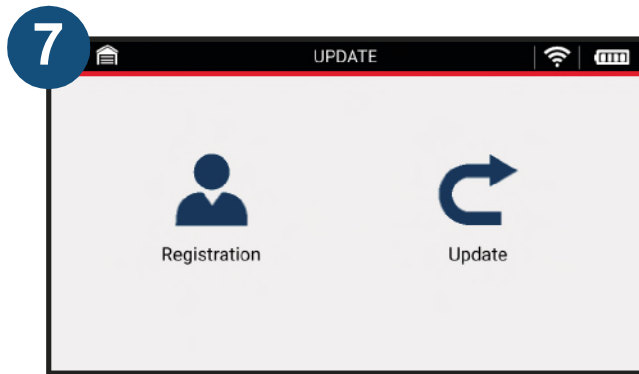
7 Once finished, select Update.
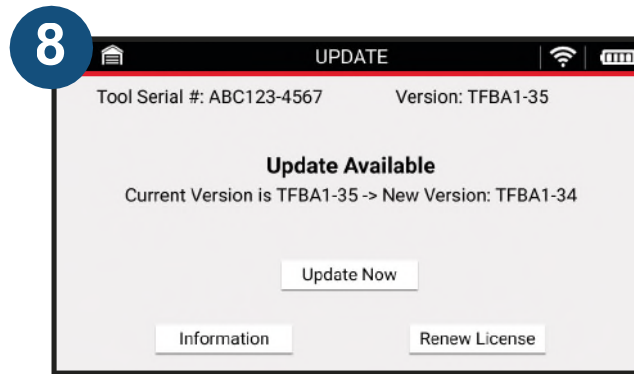
8 This screen will display if there is an update available, as well as other software information. Select Update.

Tool Serial #: ABC123-4567 Version: TFBA1-35

Update Available
Current Version is TFBA1-35 -> New Version: TFBA1-34

Update Now

Information   Renew License

9 The Tool will begin updating, **DO NOT** interrupt this process. Once finished, the tool will restart and it will be on the latest software version.

Chapter 4: Warranty/Service and Repair

Snap-on Tools Company Limited One (1) Year Warranty

Snap-on Tools Company (the "Seller") warrants only to original purchasers who use the Equipment in their business that under normal use, care and service, the Equipment (except as otherwise provided herein) shall be free from defects in material and workmanship for one year from the date of original invoice. Seller does not provide any warranty for accessories used with the Equipment that are not manufactured by Seller.

SELLER'S OBLIGATIONS UNDER THIS WARRANTY ARE LIMITED SOLELY TO THE REPAIR OR, AT SELLER'S OPTION, REPLACEMENT OF EQUIPMENT OR PARTS WHICH TO SELLER'S SATISFACTION ARE DETERMINED TO BE DEFECTIVE AND WHICH ARE NECESSARY, IN SELLER'S JUDGMENT, TO RETURN THIS EQUIPMENT TO GOOD OPERATING CONDITION. NO OTHER WARRANTIES, EXPRESS OR IMPLIED OR STATUTORY, INCLUDING WITHOUT LIMITATION ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, SHALL APPLY AND ALL SUCH WARRANTIES ARE HEREBY EXPRESSLY DISCLAIMED.

SELLER SHALL NOT BE LIABLE FOR ANY INCIDENTAL, SPECIAL OR CONSEQUENTIAL COSTS OR DAMAGES INCURRED BY PURCHASERS OR OTHERS (including, without limitations, lost profits, revenues, and anticipated sales, business opportunities or goodwill, or interruption of business and any other injury or damage).

This Warranty does not cover (and separate charges for parts, labor and related expenses shall apply to) any damage to, malfunctioning, inoperability or improper operation of the Equipment caused by, resulting from or attributable to (A) abuse, misuse or tampering; (B) alteration, modification or adjustment of the Equipment by other than Seller's authorized representatives; (C) installation, repair or maintenance (other than specified operator maintenance) of the Equipment or related equipment, attachments, peripherals or optional features by other than Seller's authorized representatives; (D) improper or negligent use, application, operation, care, cleaning, storage or handling; (E) fire, water, wind, lightning or other natural causes; (F) adverse environmental conditions, including, without limitation, excessive heat, moisture, corrosive elements, dust or other air contaminants, radio frequency interference, electric power failure, power line voltages beyond those specified for the Equipment, unusual physical, electrical or electromagnetic stress and/or any other condition outside of Seller's environmental specifications; (G) use of the Equipment in combination or connection with other equipment, attachments, supplies or consumables not manufactured or supplied by Seller; or (H) failure to comply with any applicable federal, state or local regulation, requirement or specification governing emission analyzers and related supplies or consumables. Repairs or replacements qualifying under this Warranty will be performed on regular business days during Seller's normal working hours within a reasonable time following purchaser's request. All requests for Warranty service must be made during the stated Warranty period. Proof of purchase date is required to make a Warranty request. This Warranty is nontransferable.

TPMS6 Technical Support and Service

US SERVICE AND TECH SUPPORT	**CANADA SERVICE AND TECH SUPPORT**
41144 Vincenti Ct.	15 James Street, Pictou,
Novi, Michigan 48375	Nova Scotia B0K 1H0
844-349-8767	**855-455-8767**

Email: support@tpmsconnect.com

EU Declaration of Conformity

Product Model/Product

Product Name: TPMS (Tire-pressure monitoring system) Tool

Model Name: TPMS6

Name and address of the manufacturer or his authorized representative:
ATEQ INSTRUMENTS (ASIA) PTE LTD.TAIWAN BRANCH (SINGAPORE)
NO.3, LANE 223, SAN JIA DONG STREET, 40642, TAICHUNG, TAIWAN

This declaration of conformity is issued under the sole responsibility of the manufacturer.

Objection of the declaration

Tire-pressure monitoring system

The object of the declaration described above is in conformity with the relevant Union harmonisation legislation:
Radio Equipment Directive 2014/53/EU, Low Voltage Directive 2014/35/EU, Electromagnetic Compatibility Directive 2014/30/EU,

6. References to the relevant harmonised standards used or references to the other technical specifications in relation to which conformity is declared:

EN 61010-1:2010, EN 61326-1:2013, EN 301 489-1: V2.2.3, EN 301 489-3: V2.3.2, EN 301 489-17: V3.3.1, EN 300 220-1: V3.1.1
EN 300 220-2: V3.2.1, EN 300 330 V2.1.1, EN 300 328 V2.2.2

7. Additional information:
Signed for and on behalf of:
ATEQ INSTRUMENTS (ASIA) PTE LTD.TAIWAN BRANCH (SINGAPORE)
Taichung, Taiwan 2025

Axel Yang

Axel Yang/ Certification Engineer

Snap-on®

Tire Pressure Monitoring System

TPMS6