VXSCAN OEC-T5

VXSCAN OEC-T5 TPMS Relearn Tool User Manual

Model: OEC-T5

1. Introduction

This manual provides instructions for the VXSCAN OEC-T5 TPMS Relearn Tool. This device is designed to activate and reset Tire Pressure Monitoring System (TPMS) sensors in compatible GM series vehicles. It facilitates the matching process between new or rotated tire pressure sensors and the vehicle's system, ensuring accurate tire pressure readings and system functionality.

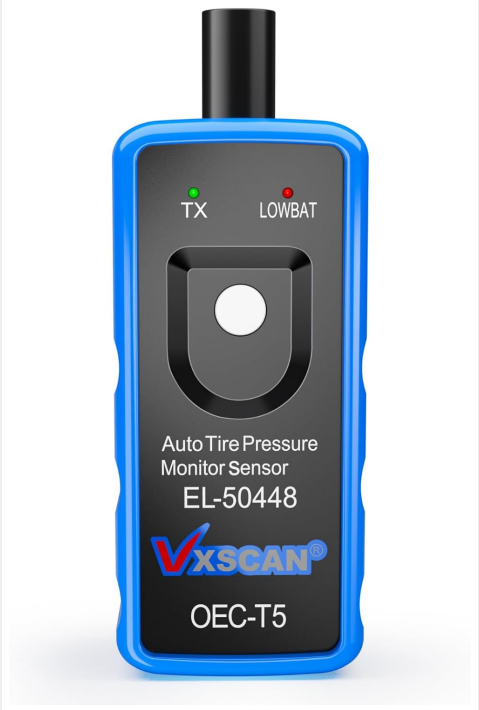

Image 1.1: The VXSCAN OEC-T5 TPMS Relearn Tool, a handheld device used for activating tire pressure sensors.

2. Product Overview

2.1 Components and Features

The VXSCAN OEC-T5 tool features a simple design for ease of use. Key components include:

- **Operational Tell-tale (TX LED):** Indicates when the tool is transmitting a signal.
- **Battery Power Display LED (LOWBAT):** Illuminates when the battery level is low, indicating a need for replacement.
- **Operating Key:** The primary button used to activate the tool and send the relearn signal.
- **Battery Container:** Houses the 9V battery required for operation.

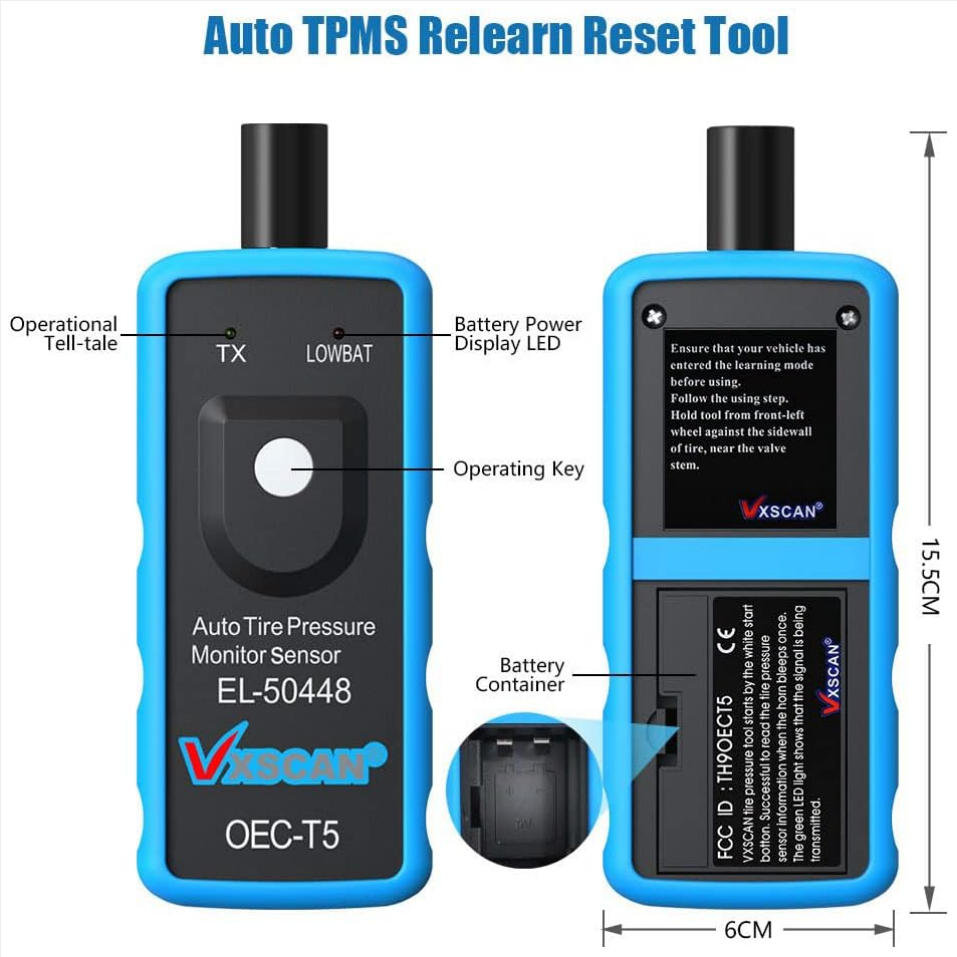

Image 2.1: Front and rear views of the VXSCAN OEC-T5 tool, highlighting the operational tell-tale, low battery indicator, operating key, and battery compartment.

2.2 Specifications

- **Brand:** VXSCAN
- **Model:** OEC-T5
- **Material:** Plastic
- **Item Weight:** Approximately 5 ounces (141.7 grams)
- **Product Dimensions (L x W x H):** Approximately 5.91 x 2.36 x 1.18 inches (15.5 x 6 x 3 cm)
- **Frequency Compatibility:** 315/433 MHz TPMS sensors
- **Power Source:** 9V battery (not included)

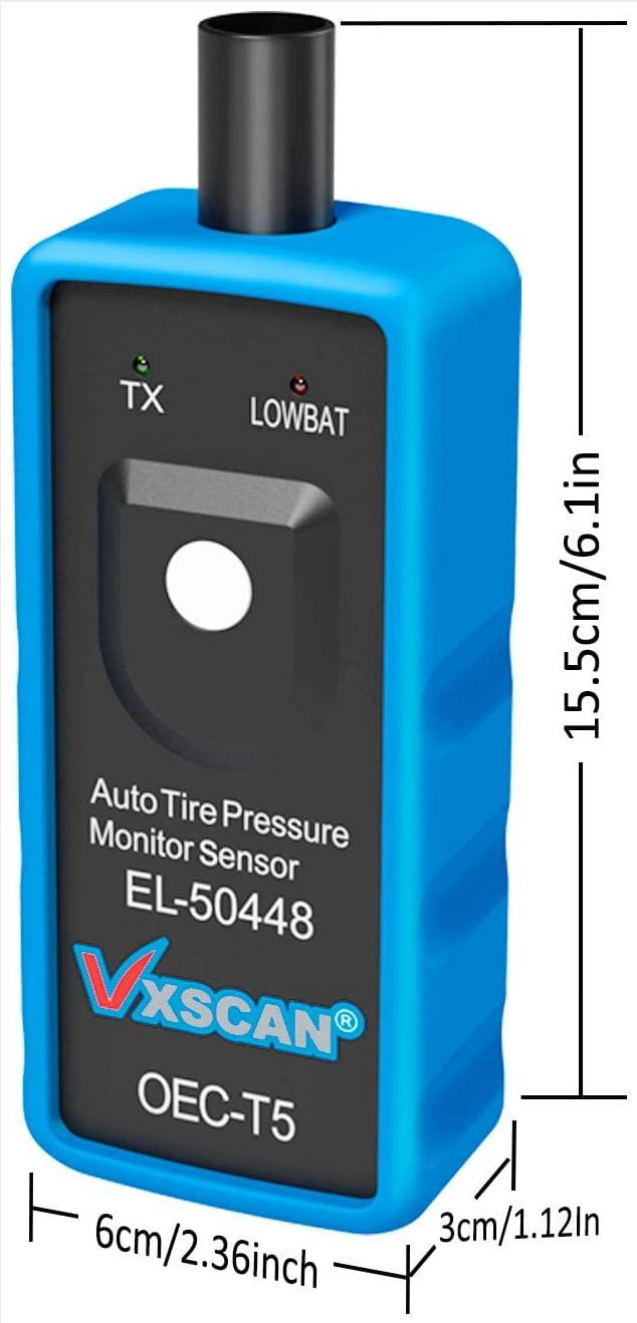

Image 2.2: Detailed dimensions of the VXSCAN OEC-T5 tool, showing its compact size.

3. Compatibility

The VXSCAN OEC-T5 TPMS Relearn Tool is specifically designed for use with most General Motors (GM) series vehicles equipped with 315/433 MHz TPMS sensors. This includes models from brands such as Chevrolet, Buick, GMC, Opel, and Cadillac. It is generally compatible with GM models from 2010 onwards.

Important Note: This tool is not suitable for heavy trucks. Always verify your vehicle's specific compatibility before use. Refer to your vehicle's owner's manual for details on TPMS relearn procedures and sensor frequencies.

FACTORY TESTED MODELS

2013	2012	2011	2010
Barina (5376837)	Camaro (VINF)	Astra	95
Camaro (VIN F) (3106)	Canyon, Colorado (VIN S/T)	Avalanche.Escalade, Suburban,Tahoe, Yukon (VIN C/K)	Acadia, Enclave. OUT-LOOK, Traverse (VIN R/V)
Caprice PPV (3105)	Caprice PPV	Aveo, Barina (VIN S/T)	Allure, LaCrosse(VING)
Captiva Sport (3101)	Captiva Sport	Buick Excelle	Antara. Captiva, Terrain, Winstorm
Cobalt (3107)	Chevrolet Cobalt (2809)	Buick Regal (China)	Avalanche. Escalade, Suburban, Tahoe, Yukon (VIN C/K)
Colorado, Colorado 7, S10, Trailblazer (5392270)	Colorado (Other IO), S10 (South America)	Camaro (VIN F)	Aveo. G3, Barina (VIN S/T)
Combo-D	Corvette (VIN Y)	Canyon, Colorado(VIN S/T)	Buick Excelle
Corvette (VIN Y) (3104)	Cruze (2863)	Caprice PPV	Buick Regal (China)
Cruze (Global) (5377099)	CTS (VIN D)	Captiva Sport	Camaro (VIN F)
CTS (VIN D) (3085)	Equinox, Terrain (VIN L)	Corvette (VIN Y)	Canyon, Colorado (VIN S/T)
Encore (China) (5377162)	Express, Savana (VIN G/H)	Cruze	Cobalt G5 (VIN A)
Encore. Jr ax (North America) (5377181)	Impala (VIN W)	CTS (VIN D)	Corvette (VIN Y)
Equinox, Terrain (VIN L) (3100)	Insignia (2707)	DTS (VIN K)	Cruze (China)
Excelle (5377155)	LaCrosse (China) (2710)	Equinox, Terrain (VIN L)	Cruze
Express, Savana (VIN G/H) (3103)	LaCrosse (VIN G) (2709)	Express, Savana (VIN G/H)	CTS (VIN D)
Impala (VIN W) (3102)	Malibu (VINZ)	HHR (VINA)	Daewoo Lacetti
Insignia (3098)	Opel Combo-D	Impala (VIN W)	DTS (VIN K)
LaCrosse (China) (3095)	Optra, Viva (VIN J)	Insignia	Equinox, Terrain(VIN L)
LaCrosse (VIN G) (North America) (3090)	Orlando (2859)	LaCrosse (China)	Express, Savana(VIN G/H)
Malibu (China) (3096)	Regal (China) (2711)	Lucerne (VIN H)	G6 (VIN Z)
Malibu (Europe, Other IO and South America) (2713)	Regal (VIN G) (2708)	Malibu (VINZ)	H3/H3T(VIN N)
Malibu (North America)(3093)	Sierra, Silverado (VIN C/K)	Orlando	HHR (VIN A)
Mokka, Jr ax. Tracker (Europe) (5377179)	Sonic (US/Canada) (2775)	Regal (VIN G)	Impala (VIN W)
Onix (3166)	SRX (VIN N)	Sierra, Silverado (VIN C/K)	Insignia
Orlando (Global)(5377530)	VE/WM - Sedan, Ute, Sportwa-gon, Caprice, Lumina, VXR8	SRX (VIN N)	LaCrosse (China)
Regal (China) (3099)	Verano (US/Canada) (2816)	STS (VIN D)	Lucerne (VIN H)
Regal (VIN G) (North America) (3089)	Volt (VINR)	VE/WM - Sedan, Ute, Sportwagon, Caprice, Lumina, Omega, VXR8	Malibu (VIN Z)
Sierra, Silverado (VIN C/K)	Zafira-C (2860)	Volt	Opel/Vauxhall Astra
Sonic (US/Canada) (5377994)	2013	2012	Sierra, Silverado(VIN C/K)
Spark (US/Canada), Barina Spark (Automatic Transmission)	Acadia, Enclave, Traverse (VIN R/V) (3206)	Acadia, Enclave. Traverse (VIN R/V)	SKY, Solstice (VIN M)
SRX (VIN N) (3201)	Alpheon (3094)	Alpheon (2706)	SRX (VIN N)
Spin	Ampera, Volt (VIN R) (Europe) (3211)	Ampera, Volt (VIN R) (Europe)	STS (VIN D)
Trax, Tracker (Africa, Australia, Middle East South America) (5377156)	Antara, Captiva (5376555)	Antara, Captiva	VE/WM - Sedan, Sportwagon,ute Lumina, caprice, hsv
VE/WM Ute, Caprice, Lumina	Astra-J Convertible/ Coupe (5376567)	Astra-J (2857)	VUE (VIN 1). Captiva Sport
Verano (US/Canada) (5377996)	Astra-J (5376577)	Avalanche, Escalade, Subur-ban, Tahoe, Yukon (VIN C/K)	2011
Volt (VIN R) (North Am-erica, Holden) (3210)	ATS (VINA) (3086)	Aveo Classic, Barina Classic (VINT)	Acadia, Enclave, Traverse (VIN R/V)
XTS (China) (3092)	Avalanche, Escalade, Suburban, Tahoe, Yukon (VIN C/K) (3088)	Aveo, Sonic (2777)	Alpheon
XTS (North America) (3091)	Aveo, Sonic (Africa, Middle East AP. South America, CKO.Mexico) (5376711)	Barina (2774)	Antara. Captiva
Zafira-Tourer	Aveo, Sonic (Europe) (5376704)	Buick Excelle (2861)	

CUSTOMER TEST AVAILABLE MODELS

2016-2018		2014-2015		2006-2013	
2016	Acadia	2014	Buick Lacrosse	2006	Corvette
2016	Buick	2014	Chevy Volt	2006	Nissan Frontier
2016	Buick cascada	2014	Chevy SS.	2007	Cadillac Escalade
2016	Chevy lahoe	2014	Chevy Cruze	2007	GMC Yukon Denali
2016	Chevy Cruze	2014	Chevy Equinox	2007	NBS Silverado
2016	Chevy equniox	2014	Chevy Silverado	2008	Avalanche
2016	Chevy Colorado	2014	Chevy Malibu	2008	Chevy Colorado
2016	Chevrolet SS Sedan	2014	Chevy Traverse	2008	chevy suburban z71
2016	Chevy traverse	2014	Chevy Impala	2008	Chevrolet Impala
2016	Chevy Silverado	2014	Cadillac ATS	2008	Chevrolet Tahoe
2016	Chevrolet Express 3500	2014	Cadillac CTS	2008	GMC Sierra
2016	Cadillac XTS	2014	Cadillac ELR	2008	GMC Acadia
2016	Equinox	2014	Camaro 1LS	2009	C6 Corvette
2016	GMC YUKON DENAU	2014	GMC Sierra 1500	2009	Corvette
2016	GMC Sierra.	2014	GMC Acadia	2009	Chevrolet HHR
2016	GMC 2500HD Denali	2014	GMC Van	2009	G8 gt
2016	GMC Canyon	2014	Suburban	2009	GMC Sierra 2500 duramax
2016	GMC Terrain	2014	Acadia	2009	Impala
2016	Impala	2014	Buick Encore	2009	Silverado 2500 HD
2016	Chevrolet Trax	2014	Buick Enclave	2009	Sierra
2016	Suburban	2015	Buick Regal	2010	Nissan GT-R
2017	Caddy CTS	2016	Buick Verano	2011	Chevrolet Traverse
2017	Chevy Silverado	2015	Chevy Tahoe	2012	Cadillac SRX
2017	Chevy Equinox	2015	Chevy Impala	2012	Chevrolet Traverse LTZ
2017	Chevy Impala	2015	Chevy equinox	2012	Chevy suburban
2017	Chevy 1500	2015	Chevy Camaro	2012	Chevy Tahoe
2017	Chevy Cruze	2015	Chevy Cruze	2012	Chevy Truck
2017	Chevy Volt	2015	Chevrolet Colorado	2012	Chevy Caprice PPV
2017	Chevy Colorado	2015	Chevy sonic	2012	GMC TERRAIN
2017	Chevrolet Camaro	2015	Chevy Malibu	2012	GMC 2500HD
2017	Chevrolet Spark	2015	Chevy Silverado 1500	2012	Nissan Sentra
2017	Chevy Traverse	2015	Chevy Silverado 2500	2013	Buick LaCrosse
2017	Canyon Denali	2015	Silverado 2500HD truck	2013	Buick Regal
2017	Cadillac XTS	2015	Chevrolet 2500HD	2013	Chevy suburban
2017	GMC Canyon Truck	2015	GMC 2500HD	2013	Chevy 2500 HD
2017	GMC Sierra	2015	GMC Acadia.	2013	Chevy Tahoe
2017	GMC Acadia	2015	GMC SAVANA	2013	Chevrolet Equonix
2017	Tahoe	2015	GMC Yukon Denali	2013	Cadillac XTS
2018	GMC Terrain	2015	GMC Sierra	2013	Cadillac CTS-V
2018	GMC Canyon Denal	2015	Suburban	2013	Cadillac ATS
				2013	GMC 2500HD pickup

Image 3.1: A chart displaying various GM vehicle models and years that are compatible with the TPMS relearn tool.

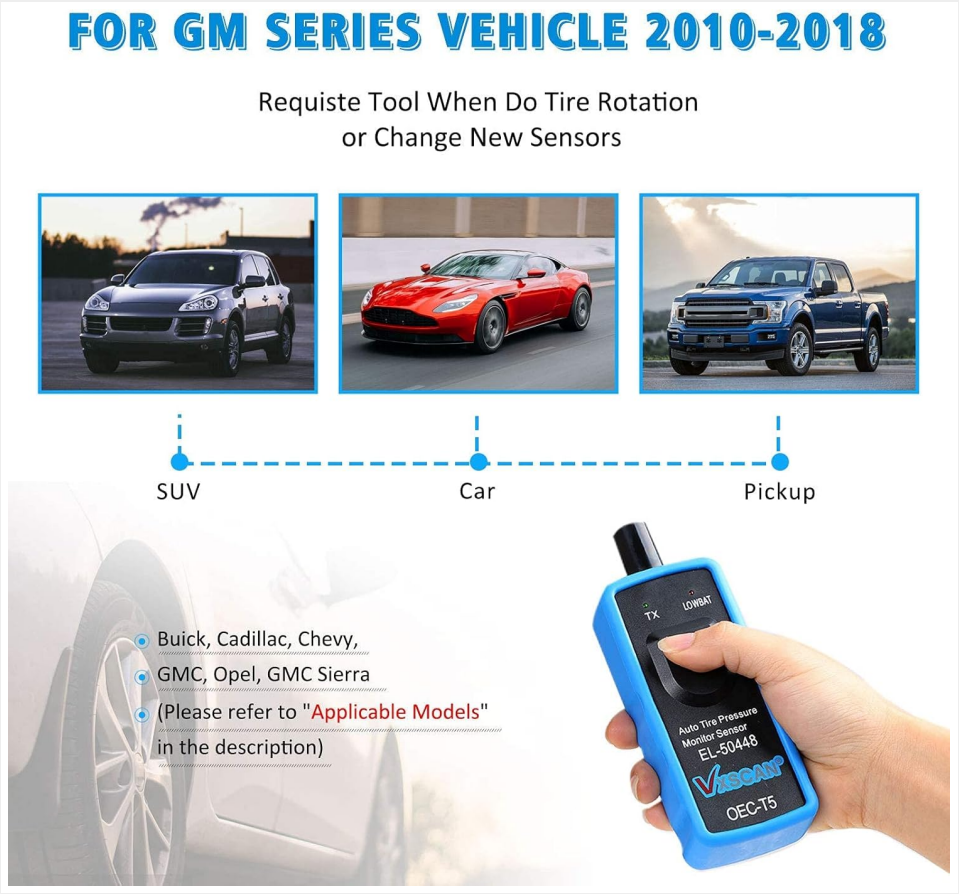

Image 3.2: Visual representation of vehicle types (SUV, Car, Pickup) compatible with the tool, specifically for GM series vehicles from 2010-2018.

4. Setup

4.1 Battery Installation

The VXSCAN OEC-T5 tool requires a new 9V battery for operation. The battery is not included with the device.

1. Locate the battery compartment on the rear of the tool (refer to Image 2.1).
2. Open the battery compartment cover.
3. Insert a new 9V battery, ensuring correct polarity.
4. Close the battery compartment cover securely.

If the LOWBAT LED illuminates during use, replace the battery with a new 9V battery to ensure optimal performance.

5. Operating Instructions: TPMS Relearn Procedure

The TPMS relearn procedure is typically required after tire rotation, sensor replacement, or when the tire pressure alarm is active. Follow these steps to activate and match your TPMS sensors:

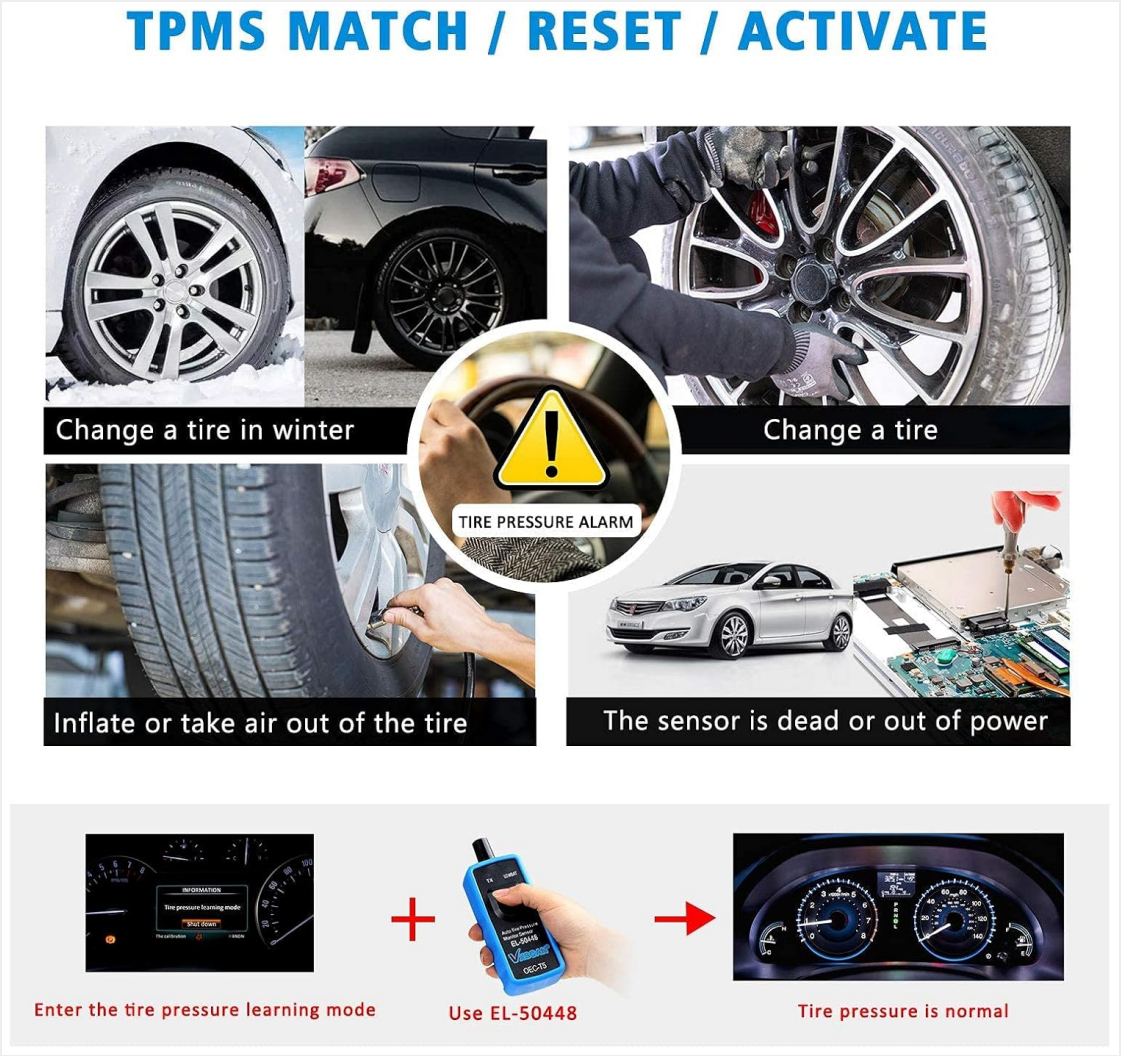

Image 5.1: Common scenarios requiring TPMS relearn, such as tire changes, inflation adjustments, or sensor issues.

5.1 Three-Step Relearn Process

1. **Enter Learning Mode:**

   Ensure your vehicle is in the TPMS "learning mode." The method to enter this mode varies by vehicle model. Typically, this involves navigating through the vehicle's infotainment or driver information center menu. Consult your vehicle's owner's manual for specific instructions. Once in learning mode, the vehicle's horn may sound twice, or a message like "Tire pressure learning mode" will display.

2. **Read Tire Pressure Sensor Information (Left Front Wheel):**

   Starting with the **left front wheel**, position the VXSCAN OEC-T5 tool close to the tire valve stem, against the sidewall of the tire. Press and hold the Operating Key on the tool. The tool's TX LED will illuminate, indicating it is transmitting. Hold the tool in place until the vehicle's horn sounds once, confirming the sensor has been read.

3. **Read Remaining Sensors (Clockwise):**

   Proceed to the other three tires in a clockwise direction:

   - **Right Front Wheel**
   - **Right Rear Wheel**
   - **Left Rear Wheel**

   Repeat the process from Step 2 for each wheel. After the final tire's sensor is successfully read, the vehicle's horn will sound twice, indicating the completion of the relearn procedure.

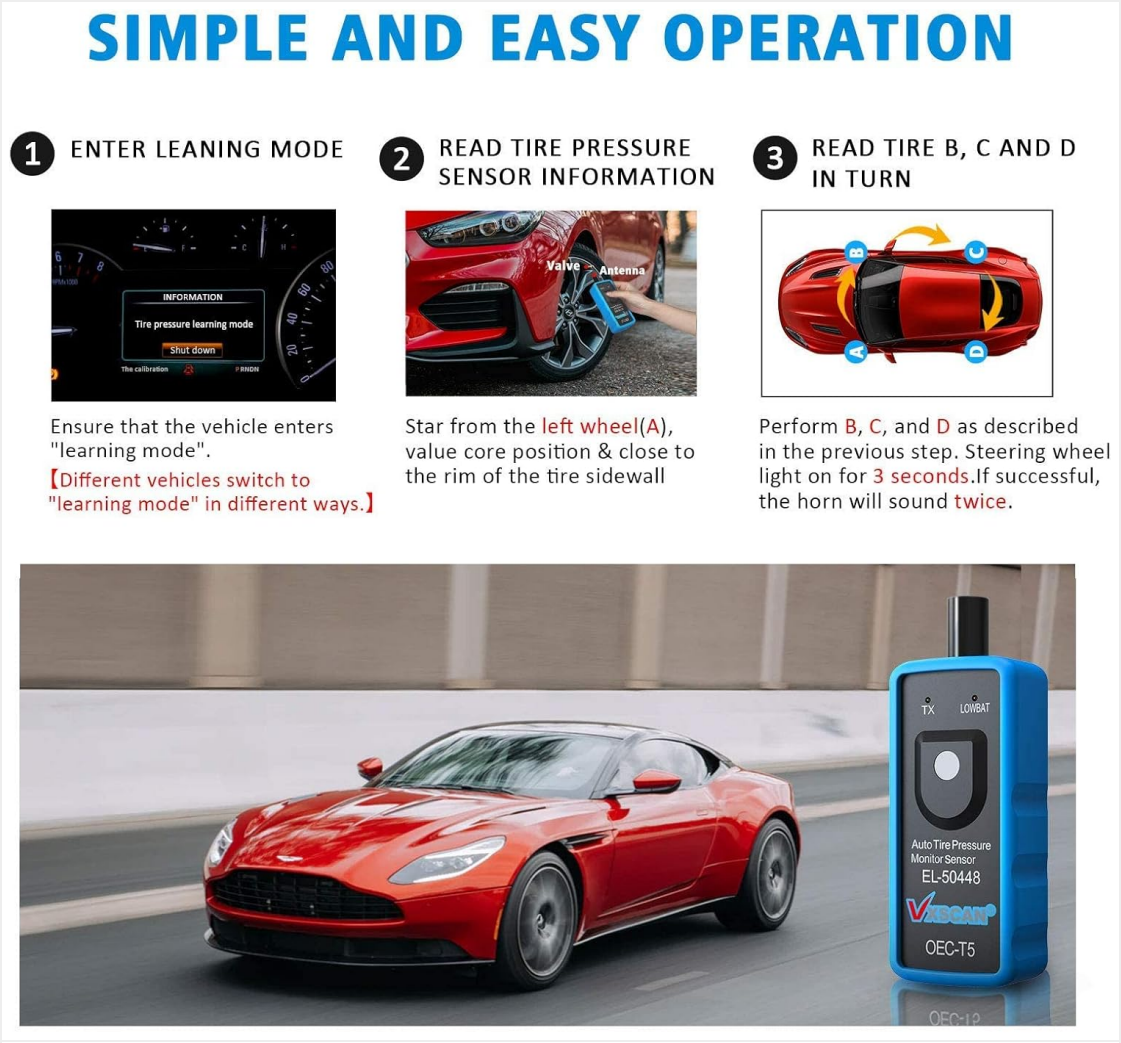

Image 5.2: Visual guide to the three-step TPMS relearn process, showing entering learning mode, activating the left front sensor, and proceeding clockwise.

5.2 Correct Tool Positioning

For optimal signal transmission and successful sensor activation, hold the tool close to the tire valve stem. The ideal position is typically 90 degrees or 180 degrees relative to the valve stem, pressed against the tire sidewall. Avoid holding the tool too far away or at an incorrect angle, as this may prevent the sensor from activating.

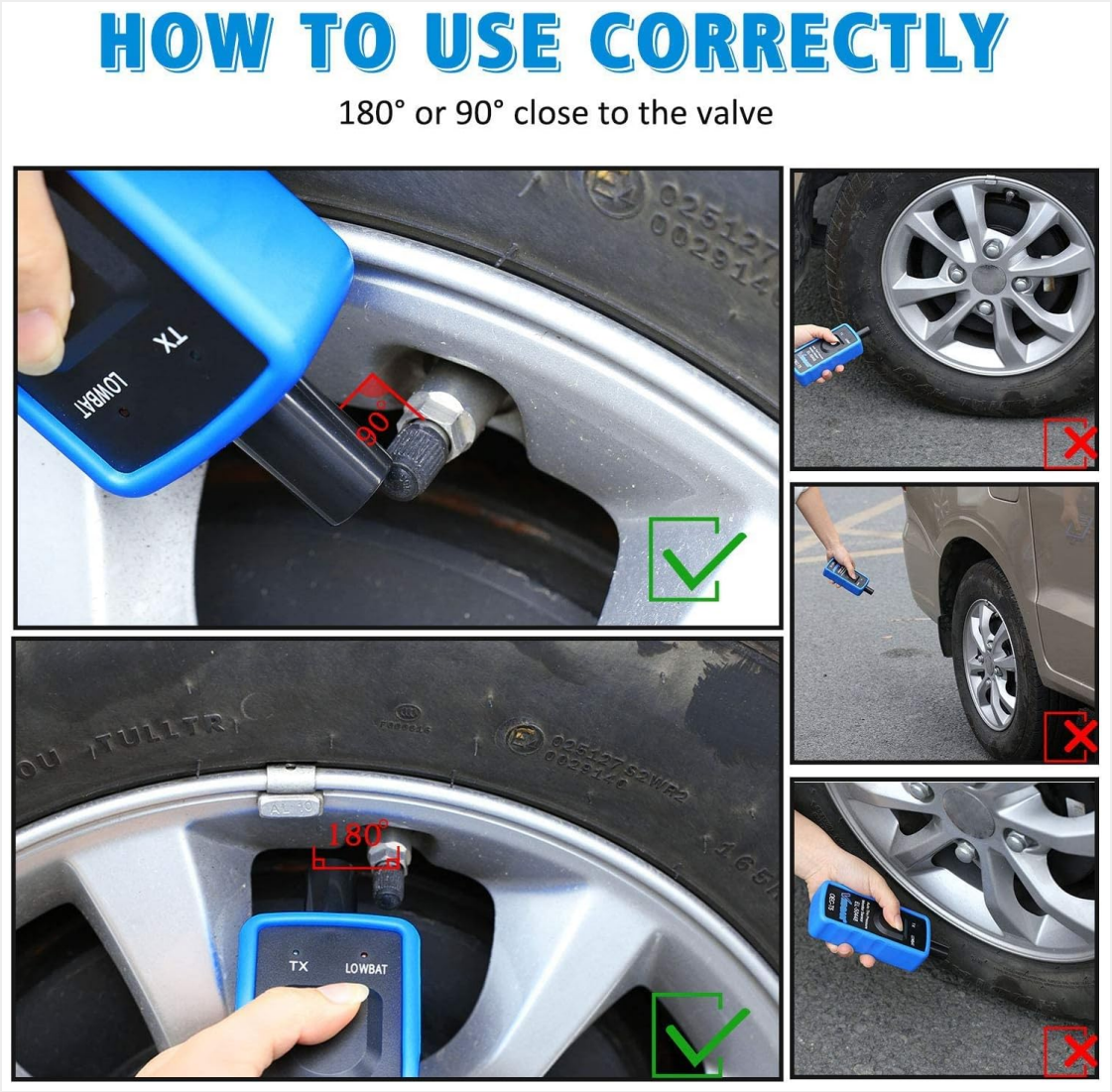

Image 5.3: Illustrations demonstrating correct (90° or 180° close to the valve) and incorrect positioning of the TPMS relearn tool for sensor activation.

6. Maintenance

- **Battery Replacement:** Replace the 9V battery when the LOWBAT indicator illuminates to ensure consistent performance.
- **Cleaning:** Wipe the tool with a soft, dry cloth. Avoid using harsh chemicals or abrasive cleaners.
- **Storage:** Store the tool in a dry, cool place away from direct sunlight and extreme temperatures.
- **Avoid Moisture:** Do not expose the tool to water or excessive moisture.

7. Troubleshooting

Problem	Possible Cause	Solution
Tool does not power on or TX LED does not light up.	◦ Dead or low 9V battery. ◦ Incorrect battery installation.	◦ Replace with a new 9V battery. ◦ Ensure the battery is installed with correct polarity.

Problem	Possible Cause	Solution
Vehicle horn does not sound after activating a sensor.	◦ Vehicle not in learning mode. ◦ Tool not positioned correctly. ◦ Sensor not responding or faulty. ◦ Tool battery low.	◦ Verify the vehicle is in TPMS learning mode (consult owner's manual). ◦ Reposition the tool closer to the valve stem (90° or 180° against the sidewall). ◦ Ensure the tool's TX LED is active during transmission. ◦ Replace the 9V battery if LOWBAT LED is on or suspected low. ◦ If issues persist, the sensor may be faulty and require replacement.
Relearn process completes, but TPMS light remains on.	◦ One or more sensors failed to relearn. ◦ Underlying TPMS system issue.	◦ Repeat the entire relearn procedure carefully. ◦ Check tire pressures are correct. ◦ If the problem persists, consult a qualified automotive technician.

8. Warranty and Support

VXSCAN provides a 3-5 year warranty for this product. For technical assistance, troubleshooting, or warranty claims, please contact VXSCAN customer service.

- **Customer Service:** 24-hour support is available. Refer to the product packaging or VXSCAN's official website for contact details.
- **Warranty Period:** 3-5 years from the date of purchase.