

# Can You Service Vehicles With TPMS?

There are over 40 million vehicles currently equipped with Tire Pressure Monitoring Systems (TPMS), and today all new vehicles sold in the US are required to have this system. TPMS equipped vehicles require special tools to perform routine tire rotation/replacement and related services. Specifically, a tool kit that provides the capability to test wheel sensors and "reset" the TPMS are required.

## The OTC TPMS Kit is the Total Solution!

- » TPM tool software and manuals cover current available model year and are easily updated.
- » Easy-to-follow tool menu and graphics clearly show test options, procedures and on-screen directions.
- » Auto Scan feature provides a "one button" activation mode which automatically scans for TPMS sensor communication.
- » Diagnostics uses a make-year-model input which automatically selects the proper sensor communication.
- » Auto Scan and Diagnostics are useful for pre-testing sensors for proper functionality prior to service.
- » Reset Procedure graphically guides the user through the complete procedure, including references to the reset guide.
- » Sensor info may be saved and printed with optional printer.
- » Reset manuals include critical and comprehensive vehicle set up and reset procedure, along with system descriptions and specifications.
- » Tool software provides English, Spanish, and French options.
- » Optional battery stick and charging cradle offers extended battery life and eliminates need to change batteries.
- » 3-year Warranty.

**TPMS**  
Servicing Vehicles with Tire Pressure Monitoring Systems

now covers  
**2009**  
model years

**OTC**

800-533-6127

[www.otctools.com](http://www.otctools.com)

**SPX**  
SERVICE SOLUTIONS

## The OTC TPMS Kit is the Total Solution

The OTC Tire Pressure Monitor Tool Kit is a complete universal kit providing the tools and information necessary to test wheel sensors and reset TPMS. The Tire Pressure Monitor tool features easy menus, graphics, and directions that help to guide you. The software has the options to Auto Scan or Diagnostics to analyze the wheel sensors. A complete Reset Procedure is also included in the software to walk the user through the complete process. The manual contains the critical reset procedure references along with all the system information including torque specifications. Using the TPM tool in conjunction with the reset manual provides the essential combination for servicing TPMS. The TPM Tool's main function is to activate the tire sensors in a Direct TPMS. There are a couple different situations that sensors require activation, and in most cases, reading the transmitted data. These are covered in the TPM Tool software under the following features:



### Auto Scan

The Auto Scan features provides the capability to walk up to any TPM equipped vehicle and activate the sensor with the push of a button. This function searches through all the communication protocols until the sensor is activated. After activation, the sensor transmits information which is displayed on the screen.



Kit covers both Direct and Indirect TPMS systems.

## Diagnostics

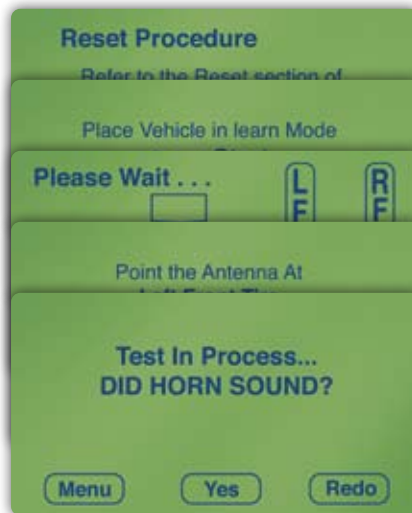
The Diagnostic feature allows for quick check of sensor via the Make-Year-Model entry system. Selection of the specific vehicle eliminates the search time of proper protocol. Transmitted sensor information is displayed when available.

Like the Auto Scan feature, this is a powerful feature that allows the technician to validate that all the sensors are functional before any work is started on the wheels/tires.



### Reset Procedure

The Reset Procedure is the key function that "resets" or "relearns" the tire locations and will turn off the dash light. This function is accessed via the vehicle entry and graphically walks the user through all the necessary steps to complete the reset procedure. This software feature contains references to the reset manuals supplied with the tool.



### Remote Keyless Entry (RKE) Fob Test

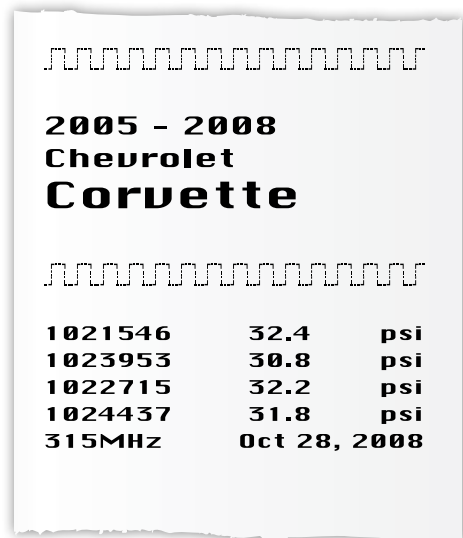
The Remote Keyless Entry feature allows for the testing of RF transmitting devices such as RKE fobs, garage door openers, and tire sensors. In this mode, the screen displays the signal strength and "Fob Detected" is prompted. This feature is perfect for determining signal strength representing battery status of RF devices.



### Last Saved Data and Printing

Last Saved is available once the Auto Scan or Diagnostics feature has activated a sensor and the received information was saved. Selecting Save from the Activation screen saves the sensor information and allows the current date to be entered. The sensor information, date and vehicle application are all saved under the Last Saved function. From this location the saved data can be printed via the optional printer.

This printout can then be shared with the customer in cases one or more of the sensors are not functional. This provides improved customer satisfaction and limits service liability.



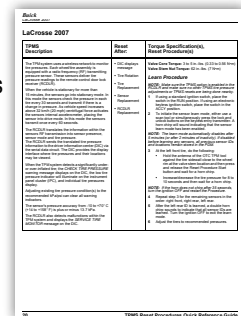
### Reset Manual

The Reset Manual is a key part of the reset procedure in that it provides the instruction to put the vehicle in "Learn Mode", which is a required step in a typical reset procedure. Without this instruction, the technician cannot effectively reset the system, thus the importance of having this information readily available.

The Quick Reference manual covers both Direct and Indirect systems and contains the following topics:

- » TPMS Description
- » Reset Requirements
- » Torque Specifications
- » Reset Procedures

The Quick Reference manual provides the key information for placing the vehicle in Learn Mode and completing the Reset Procedure.





### 3833-15 Digital Tire Gauge

- 0–150 psi
- Red backlit display



### 3833-16 Valve Nut and Grommet Tool

- 11 mm and 12 mm socket for removing valve nuts.
- Sensor grommet install sockets (for stepped and tapered grommets).



### 3833-17 Valve Core Torque Driver

- Preset with 2–5 in.-lb.
- Meets TPMS sensor standard requirement.



### 3833-24 TPM T10 Torque Driver (12 in.-lb. ONLY)

- Installs replacement snap-in valves for some Schrader sensors.
- Installs screws to recommended torque for proper sealing and secure installation.

### 3833-25 TPM Electronic Torque Wrench

Current TPM Sensor nut torque requirements range from 12–106 in.-lb. Conventional torque wrenches do not cover this range in a single wrench. The new TPM Electronic Torque Wrench covers this range and provides key features specifically designed for TPM sensor applications, while also doubling as a standard in.-lb. torque wrench.

- 12–120 in.-lb. ± 2% accuracy.
- Torque set quickly with unique slide bar on the scale.
- Indexing head allows for use straight (screwdriver position) to spin nut down quickly.
- Torque limit LED flashes with audible beep.



3833-25



3833-23

3833-22

### 3833-22

1/4" Drive 11 mm Deep Chrome Socket

### 3833-23

1/4" Drive 12 mm Deep Chrome Socket

### 3833-18 Application Flip Chart

(Page example)



Make	Model	Year	Type of System	Reset After Tire Rotation	Reset After Sensor Replacement	Reset After Tire Change	Tool Used For Reset *	Sensor Bolt or Nut Torque (Inch Lbs./N.m)
Toyota	RAV4	2006-08	direct	No	Yes	No	Yes	35/4.0
Toyota	Sequoia	2005-07	direct	Yes	Yes	No	No	35/4.0
Toyota	Sienna	2004-06	indirect	Yes	Yes	Yes	No	n/a
Toyota	Sienna	2007-08	direct	Yes	Yes	Yes	Yes	35/4.0
Toyota	Solara	2004-06	indirect	Yes	Yes	Yes	No	n/a
Toyota	Tacoma	2006-08	direct	No	Yes	No	Yes	35/4.0
Toyota	Tundra	2005-06	direct	No	Yes	Yes	Yes	35/4.0
Toyota	Tundra	2007-08	direct	Yes	Yes	Yes	Yes	35/4.0
Toyota	Yaris	2008	direct	Yes	Yes	Yes	Yes	35/4.0
Volkswagen	EOS	2007	direct	Yes	Yes	Yes	No	71/8.0
Volkswagen	GTI	2005-06	indirect	No	n/a	No	No	n/a
Volkswagen	GTI	2006-07	direct	Yes	Yes	Yes	No	71/8.0
Volkswagen	Jetta	2005-06	indirect	No	n/a	No	No	n/a
Volkswagen	Jetta	2006-07	direct	Yes	Yes	Yes	No	71/8.0
Volkswagen	Passat	2006	indirect	No	n/a	No	No	n/a

### Vehicle Listing





3833QR2009

now covers  
**2009**  
model years

**PROMOTION**

Base Kits Include Coupon for **FREE 3831**  
Tire Pressure Reset Tool for Nissan.

Coupon promotion valid from January 1, 2009 – December 31, 2009.

### 2009 Tire Pressure Monitor Base Kits

Includes a TPM tool with latest software subscription, activation magnet, quick start guide, reset procedure manuals, update cable, CD training video, 3 C batteries, backup software CD, and a blow molded case. Base kits are available with three different reset manual formats;

**No. 3833QR2009** Tire pressure monitor base kit, with printed Quick Reference manuals.

**No. 3833CD2009** Tire pressure monitor base kit, with CD manual.



3833TQR2009

now covers  
**2009**  
model years

**PROMOTION**

Master Kits Include **FREE 3833-25**  
**Electronic Torque Wrench with 3833-22**  
(11mm Socket) and **3833-23** (12mm Socket).

Promotion valid from January 1, 2009 – December 31, 2009.

### 2009 Tire Pressure Monitor Master Kits

Includes a TPM tool with latest software subscription, activation magnet, quick start guide, reset procedure manuals, update cable, CD training video, 6 nM Hi rechargeable batteries and recharging station, backup software CD, digital tire pressure gauge, 4-way valve tool, valve core torque driver, laminated application flip chart, service procedure flowchart poster, consumer poster, and a blow molded case. Master kits are available with 3 different reset manual formats.

**No. 3833TQR2009** Tire pressure monitor master kit, with printed Quick Reference manuals.

**No. 3833TCD2009** Tire pressure monitor master kit, with CD manual.



3833-40

### Tire Pressure Monitor 2009 Software Update Kit

Includes 2009 software subscription CD, 2009 reset manual supplement.

**No. 3833-40** 2009 Tire pressure monitor software update kit.

### Tire Pressure Reset Tool for Nissan

This tool is designed to extinguish the Tire Pressure Warning Light on 2003 and newer Nissan vehicles with TPM Reset Connector. The connector end of the cable mates to the vehicle connector found behind the DLC connector under the dash. The alligator clip is clipped onto the metal bracket that holds the DLC connector. Once connected and the ignition is turned on, the tool trigger is pressed 5 times within 10 seconds causing the warning light to start flashing. With the tool disconnected, the vehicle can be started and driven over 30 mph until the light stops flashing, which completes the procedure. Graphic step-by-step instruction sheet and application chart included in the kit.



3831

**No. 3831** Tire pressure reset tool for Nissan.



3833-9

### 2009 Tire Pressure Monitor Master Update Kit

Includes material to turn a Tire Pressure Monitor Base Kit into a Master Kit (ex; 3833QR to a 3833TQR). Includes latest reset procedure manual supplement, latest software CD subscription, update cable, CD training video, 6 nM Hi rechargeable batteries and recharging station, digital tire pressure gauge, 4-way valve tool, valve core torque driver, laminated application flip chart, service procedure flowchart poster, and consumer poster.

**No. 3833-9** 2009 Tire pressure monitor master update kit.

### Battery Power Option

The new internal battery stick and charging cradle for the OTC TPM allows the unit to be placed in the cradle when not in use, allowing for the unit to always be charged. This also eliminates the need to replace batteries.



3833-13

**No. 3833-13** Internal battery stick and charging cradle for OTC TPM.



3833-7

3833-12

3833-14

3833-15

3833-16

3833-17

3833-25

Part No.	Description	Part No.	Description	Part No.	Description	Part No.	Description
3833-3	Comp. Manual on CD	3833-12	Printer & Adapter	3833-19	Procedure Poster	CDTPMS0506	Training Video
3833-4	Magnet	3833-13	Rech Batt Stick & Cradle	3833-20	Consumer Poster	3833-QR05	2005 Reference Manual
3833-5	Quick Ref Manual Set	3833-14	Rech "C" Batt & Charger	3833-22	11 mm Socket	3833-QR06	2006 Reference Manual
3833-7	Software Update Cable	3833-15	Digital Tire Gauge	3833-23	12 mm Socket	3833-QR07	2007 Reference Manual
3833-8	Serial to USB Adapter	3833-16	Valve Nut Tool	3833-24	T-10 Torque Driver	3833-QR08	2008 Reference Manual
3833-9	"T" Update Kit	3833-17	Valve Core Driver	3833-25	Electronic Torque Wrench	3833-QR09	2009 Reference Manual
		3833-18	Quick Spec Flip Chart	3833-40	2009 Update Kit		