



PRODUCTS TRAINING SUPPORT

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

MULTI-FREQUENCY

# ONE SENSOR SOLUTION



ONE SENSOR **ONE** ONE SOLUTION



**Combines 314.9 MHz, 315 MHz & 433.92 MHz All in ONE Sensor**

- 95% Vehicle Application Coverage
- Reduces TPMS Service Time
- Reduces Inventory
- Truly Universal/Programmable Sensor
- Supports Future Vehicle Applications & Auto-Locate Technologies (WAL, PAL, LocSync)
- Manufactured & Tested to OE Specifications & Quality/Performance Standards



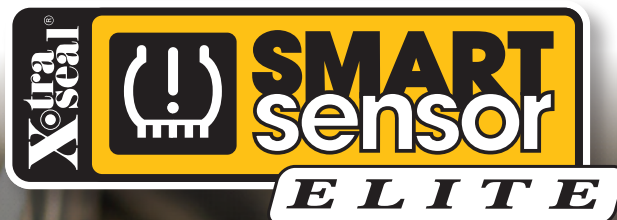
**Multiple Replacement Valve Options Available**



## THE SMART TPMS SOLUTION

- Easy to Learn and Use
- Best Value TPMS Solution on the Market
- Scan Sensors (Pro+ is a Diagnostic Tool)
- Copy/Clone the Original Sensor
- Program a Blank Smart Sensor in Seconds
- Complete OBD II Functionality
- Updateable - Lifetime FREE Updates





3.5" Color Display

## Revolutionary TPMS TOOL from Smart Sensor

- Easy to Follow Icon Based Interface
- Perform both Stationary & OBD II Relearns with Ease
- Comprehensive Relearn Procedures Built-in the Tool
- TPMS Placard Adjusting
- Read Sensor IDs by OBD II & Copy Directly onto a Smart Sensor
- Simple Wireless Update
- OE Sensor Information including Part No. & ID Locator



STATIONARY RELEARN

Multilingual Screens & Support



ESTACIONARIO REAPRENDER



Bluetooth®

### SMART SENSOR ELITE PROGRAMMING & DIAGNOSTIC TOOL KIT



17-140

#### KIT CONTENTS

- Smart Sensor Elite Programming and Diagnostic Tool
- Micro USB Data Cable and Charger
- Robust Commercial Grade, OBD II Cable
- TPMS Activation Magnet
- Smart Sensor Elite User Guide



- VIN Code Scanner – Fast & Accurate
- Captured Tire Identification Number (TIN) – aids in Tire Registration process
- Upload VIN/TIN, via PC, to Dealer's shop software
- Print TPMS & VIN/TIN data via PC

Backed by Industry Leading TPMS Network 24/7 Support



17-140-1  
OBD II Module  
Optional Accessory

Bluetooth®

## OBD II Module

- Wireless – No Cable Necessary
- Perform OBD II Relearns
- Greatly Simplifies Relearn Process on Mitsubishi Vehicles





**TPMS Support Line**  
**1.877.659.TPMS (8767)**



## For All Your TPMS Support Needs!

- **Dedicated TPMS Technical Support Line**  
for all TPMS inquiries
- **Mobile App for Apple and Android Devices**  
Visit the App Store and search TPMS Part Finder
- **Online Relearn Procedures**  
Relearn procedures 24/7. Search by vehicle.  
Download/Print the PDF. Relearn Procedures  
available in both English and Spanish
- **Part Finder Look-up**  
Search for the TPMS Valve Kits, Service Kits,  
Sensor, etc required for a specific vehicle application.  
Simply enter the Model Year, Make and Model of vehicle
- **Download the Latest Application Chart at**  
**[www.31inc.com/partfinder](http://www.31inc.com/partfinder)**





## TECHNICAL APPLICATION DATA

19-122

### TIA TPMS Relearn Chart

- Laminated Heavy-Duty Pages
- Designed for the Shop Environment
- Industry Researched Relearn Procedures
- For Domestic and Import Vehicles



### Online Resources

- 31 Inc. Printable/Downloadable PDF Application Chart

[www.31inc.com/tpms.pdf](http://www.31inc.com/tpms.pdf)

- Color Coded to Quickly Find the Right Part
- Updated Regularly

- TPMS Part Finder

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

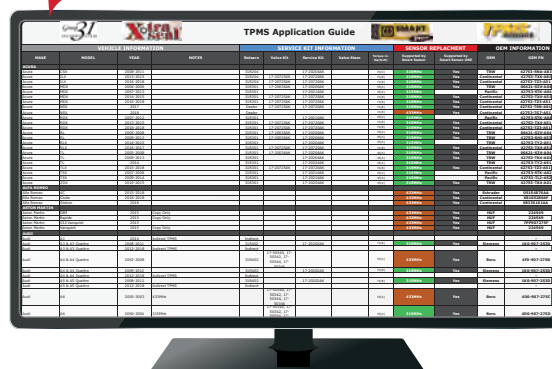
- Live Make, Model, Year Lookup
- **Printable PDF Relearn Procedures**

- Quick and Easy Tool Updates

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

- **Tool Updates FREE for Life**
- Stay Connected with the Latest Information

[www.31inc.com/partfinder](http://www.31inc.com/partfinder)



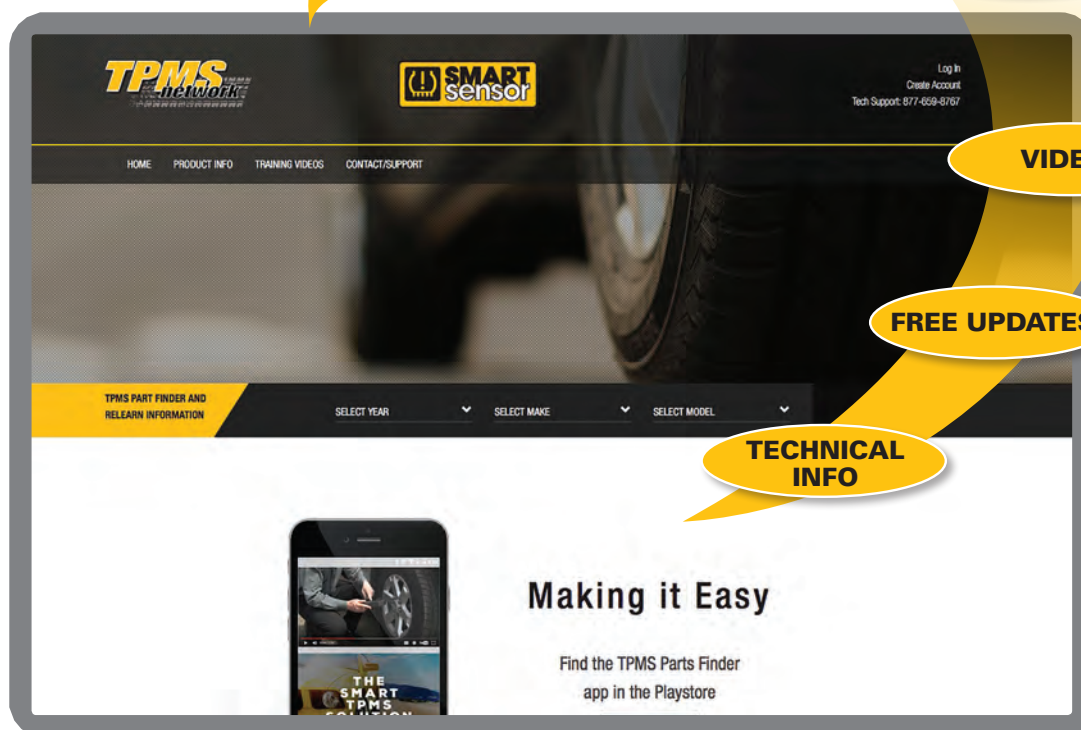
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**TECHNICAL SUPPORT**

**VIDEOS**

**FREE UPDATES**

**TECHNICAL INFO**



**Making it Easy**

Find the TPMS Parts Finder app in the Playstore

## TPMS PARTS KIT ASSORTMENTS

17-21303

### Top 10 Most Popular Parts Kit

#### 17-21303

##### Assortment Includes:

- 104 Service Kits for the Most Popular Domestic and Import Vehicle TPMS Sensors
- 100 TPMS Valve Cores
- 180 TPMS Plastic Valve Caps
- TPMS Valve Core Torque Tool

17-21303 REPLACEMENT PARTS ASSORTMENT		
Part Number	General Application*	Qty
17-20008	Rubber Snap-In Valve GM	8
17-20013AK	Chrysler, Dodge, Jeep	8
17-20014AK	Nissan, Infiniti	8
17-20018	Rubber Snap-In Valve Ford	8
17-20028AK	Chrysler, Dodge, Mitsubishi	8
17-20096AK	Ford	8
17-20107AK	GM	8
17-20201AK	Chrysler	8
17-20204AK	Acura, Honda, Kia	8
17-20206AK	Hyundai, Honda, Kia	8
17-20211AK	Misc. Imports	8
17-20216AK	Lexus, Toyota	8
17-20217AK	Lexus, Toyota	8
17-1731	Valve Core Torque Tool	1
17-490T	Nickel Plated TPMS Valve Cores	100
17-492L-1	Long Black Plastic TPMS Caps	80
17-492T-1	Gray Plastic TPMS Caps	100

17-21307

#### 17-21307

##### The Most Popular Valve Stem Kits

- Includes the Most Popular Valve Stem Kits
- Rubber Snap-In and Metal Clamp-In Valves
- TPMS Valve Core Torque Tool

### Valve Stem Assortment

17-21307 REPLACEMENT PARTS ASSORTMENT		
Part Number	General Application*	Qty
17-20008	Rubber Snap-In Valve GM	8
17-20018	Rubber Snap-In Valve Ford	8
17-20020AK	Chrysler, Dodge, Mercedes	4
17-20045	TPMS Snap-In Valve GM – High Speed, Parallel Key	4
17-20046	TPMS Snap-In Valve, Right Angle Key	4
17-20223AK	TPMS Valve Kit for GM (SS Corvette)	4
17-20725AK	Parts Kit + Stem for Continental Sensors	4
17-50391	TPMS Metal Clamp-In Valve for TRW Screw-In	4
17-50395	TRW Snap-In Sensor Rubber Valve Stem, Square Key	4
17-50396	TPMS Valve for Dodge Ram Dually with Aluminium Wheels	4
17-50397	Continental Snap-In Sensor Rubber Valve Stem	4
17-50399	TPMS Snap-In Valve Hyundai	4
17-1731	Valve Core Torque Tool	1
17-490T	Nickel Plated TPMS Valve Cores	100



#### 14-607

##### TPMS Wall Cabinet

- High Quality Commercial Grade Steel
- Locking Door, Multiple Shelves, Pull-out Drawers
- Room for all your TPMS Replacement Service Kits

14-607

# TPMS REPLACEMENT PARTS KITS & VALVE STEMS



Part Number	Qty	Color	Interchange		Description*
17-20005AK	Box / 10	1	20005	1130K	Parts Kit for Nissan
17-20006AK	Box / 10	1	20006		Parts Kit for GMC, Hummer, Isuzu
17-20007AK	Box / 10	2	20007		Parts Kit for Nissan, Infiniti
17-20008	Box / 10	2	20008	VS-950	TPMS Snap-In Valve GM Interchangeable with 17-20018
17-20008-50	Box / 50	2	20008	VS-950	TPMS Snap-In Valve GM
17-20008C	Box / 10		22008	VS-950S	TPMS Snap-In Valve GM with Chromed Plastic Sleeve
17-20009AK	Box / 10	1	20009		Parts Kit for Saab, Suzuki
17-20010AK	Box / 10	2	20010	2010K	Parts Kit for Volvo
17-20011AK	Box / 10	3	20011		Parts Kit for Subaru
17-20012AK	Box / 10	1	20012	1077K	Parts Kit for Prowler, Corvette
17-20013AK	Box / 10	2	20013	2030K	Parts Kit for Dodge, Jeep, Chrysler
17-20014AK	Box / 10	3	20014		Parts Kit for Nissan, Infiniti
17-20015AK	Box / 10	3	20015	2020K	Parts Kit for GM with TRW Clamp-In Sensor
17-20016AK	Box / 10	1	20016		Parts Kit for Mercedes, Smart
17-20018	Box / 10	2	20018	VS-950	TPMS Snap-In Valve Ford Interchangeable with 17-20008
17-20020	Box / 10		20020	9066-1	Stem Only for Chrysler, Dodge, Mercedes
17-20020AK	Box / 10	6		9066K	Parts Kit + Stem for Chrysler, Dodge, Mercedes
17-20028AK	Box / 10	3	20003	1080K	Parts Kit for Chrysler, Dodge, Mitsubishi
17-20035AK	Box / 10	1	20035	1097K	Parts Kit for Honda
17-20036AK	Box / 10	2	20036	1096K	Parts Kit for Acura, Honda, Kia
17-20045	Box / 10		20045	VS-20	TPMS Snap-In Valve GM – High Speed, Parallel Key
17-20046	Box / 10		20046	VS-20	TPMS Snap-In Valve, Right Angle Key
17-20096AK	Box / 10	1	20002	1060K	Parts Kit for Ford
17-20107AK	Box / 10	4	20004	1070K	Parts Kit for GM
17-20198AK	Box / 10	4		1098K	Parts Kit for Dodge Sprinter
17-20201AK	Box / 10	5	20030	1050K	Parts Kit for Chrysler, GM
17-20202AK	Box / 10	2	20017	1030K	Parts Kit for Audi, Mercedes, Volkswagen
17-20203AK	Box / 10	3		1040K	Parts Kit for Audi, Mercedes
17-20204AK	Box / 10	3	20019	2040K	Parts Kit for Acura, Honda, Kia
17-20206AK	Box / 10	4	20021	2000K	Parts Kit for Hyundai, Honda Kia
17-20207AK	Box / 10	4		1031K	Parts Kit for Volkswagen
17-20211AK	Box / 10	4	20023	1090K	Parts Kit for Misc. Imports
17-20216AK	Box / 10	1	20032	1100K	Parts Kit for Lexus/Toyota
17-20217AK	Box / 10	2	20031	1110K	Parts Kit for Lexus/Toyota
17-20221AK	Box / 10	3		1120K	Parts Kit for Lexus SC430
17-20223AK	Box / 10		20047	VS-40	TPMS Valve Kit for GM (SS Corvette)
17-20720AK	Box / 10	5		7020K	Parts Kit 7020 for Jag, Range Rover, Volvo (54190)
17-20725AK	Box / 10	5		VS-70	Parts Kit + Stem for Continental Sensors
17-50216	Each			1091	590216 Alligator TPMS Kit 56LMS
17-50340	Each		20037	1092	590340 Alligator TPMS Kit 43LMS
17-50342	Each		20038	1093	590342 Alligator TPMS Kit 48LMS
17-50344	Each		20039	1094	590344 Alligator TPMS Kit 49LMS
17-50346	Each		20040	1095	590346 Alligator TPMS Kit 51LMS
17-50390	Each			VS-925C	Metal TPMS Valve Stem for Ford
17-50391	Box / 10			VS-965	TPMS Metal Clamp-In Valve for TRW Screw-In
17-50392	Each			VS-919	TPMS Metal Clamp-In Valve for 0.625" Rim Hole, Parallel Key
17-50393	Each			VS-920	TPMS Metal Clamp-In Valve for 0.625" Rim Hole, Square Key
17-50395	Box / 10		20635	VS-65	TRW Snap-In Sensor Rubber Valve Stem, Square Key
17-50396	Each			VS-35	TPMS Valve for Dodge Ram Dually with Aluminium Wheels
17-50397	Box / 10		20043	VS-90	Continental Snap-In Sensor Rubber Valve Stem
17-50398	Box / 10			1098	Short TPMS Snap-In Valve, Parallel Key
17-50399	Box / 10		20044	VS-1010	TPMS Snap-In Valve Hyundai

\* Applications are vehicle specific. Visit <http://www.31inc.com> to find the correct application.



## TPMS VALVE KITS



17-20020AK



17-20035AK



17-20036AK



17-20198AK



17-20203AK



17-20223AK



17-20725AK



17-50340



17-50342



17-50344



17-50346



17-50390



17-50391



17-50392  
PARALLEL KEY



17-50393  
SQUARE KEY



17-50396



17-20020

### technician tip

**It's Critical to Always Replace (NEVER REUSE) the Special Sealing Components (Core, Cap, Nut, Grommet)**

- Rubber grommets are designed for a **single use**. Over time, they take a shape, and lose their ability to properly seal. They are no different than the rubber washer in your faucet at home. Over time they take a shape and start to leak.

### Snap-In Stems

- Self tapping screws
- 11.5 in/lbs screw torque
- 80 psi maximum cold inflation pressure



17-20008  
PARALLEL KEY



17-20008C  
PARALLEL KEY



17-20018  
PARALLEL KEY



17-20045  
PARALLEL KEY



17-20046  
RIGHT ANGLE KEY



17-50395  
SQUARE KEY



17-50397  
CLIP LOCK



17-50398  
PARALLEL KEY



17-50399  
LOCK NUT





## TPMS SERVICE KITS



17-20005AK



17-20006AK



17-20007AK



17-20009AK



17-20010AK



17-20011AK



17-20012AK



17-20013AK



17-20014AK



17-20015AK



17-20016AK



17-20028AK



17-20096AK



17-20107AK



17-20201AK



17-20202AK



17-20204AK



17-20206AK



17-20207AK



17-20211AK



17-20216AK



17-20217AK



17-20221AK



17-20720AK

Each service kit is barcoded and color coded for easy identification.



### TIREtips

Get the latest application information at [www.31inc.com/tpms.pdf](http://www.31inc.com/tpms.pdf)

Components are application specific.  
Grommets are not interchangeable. Design is based on OE wheel and sensor fitment.

## TPMS SERVICE TOOLS

### ***Precision TPMS Torque Tool Kit for Servicing TPMS Sensors***



17-162

### **DELUXE**

## **TPMS Torque Tool Kit**

- **11mm & 12mm Deep Sockets**
- **Grommet Slide & Grommet Pick**
- **20-200 in-lb Torque Wrench 1/4" Drive**  
Use for precise torquing of TPMS nuts to OE specifications.
- **T-20 Torque Tool 35 in-lbs**  
Precision torque tool with a torque specification of 35 in-lbs.
- **T-10 Torque Tool 11.5 in-lbs**  
Precision torque tool with a torque specification of 11.5 in-lbs. - used for replacing rubber TPMS snap-in valves
- **Bits**  
T-10, T-20, T-15 and 7mm Socket
- **Beru Valve Stem Holding Tool**  
For servicing Beru Sensors with Alligator Generation 1 style valves
- **Valve Core Torque Tool and Deflator**  
Precision torque tool with a torque setting of 4 in-lbs – use for TPMS and non-TPMS valve cores

17-169



### **17-169 Grommet Removal Tool**

- Fast and easy to use.
- Works perfectly on difficult to remove grommets
- Sturdy, large design fits easily in your hands
- Durable poly construction

17-167A



### **17-167A T-10 Torque Tool**

- Precision torque tool with a torque specification of 11.5 in-lbs.
- For use when replacing the rubber snap-in valve stem for some TPMS sensors

17-173



### **17-173 Valve Core Torque Tool**

- Durable, precision torque tool with a torque specification of 4 in-lbs.
- Use when installing TPMS valve cores to prevent over tightening which can damage the TPMS valve by stripping the valves internal threads or removing the nickel plating of the core resulting in corrosion



17-161A

### **17-161A Nut Torque Wrench with Sockets**

- Fast, accurate and easy to use
- Use for precise torquing of TPMS nuts to the manufacturers specifications

17-170



### **17-170 Grommet Removal Pick**

- Many TPMS valve stems have a design style where the grommet seats within a recessed gap in the aluminum stem, making it difficult to remove by other methods
- The TPMS Grommet Pick quickly and effectively aids in the removal of these hard-to-reach grommets
- Features a hook-angle design with slightly-dull tip for safe and easy removal



### **17-168 TPMS Tool Kit Assortment**

- Includes all the small TPMS tools necessary for TPMS service in a high-quality blow molded storage case



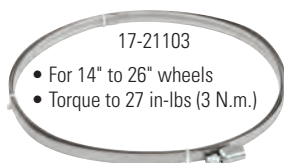
17-168



## TPMS ACCESSORIES



17-21102



- For 14" to 26" wheels
- Torque to 27 in-lbs (3 N.m.)



CARDERD	—	15-4904	—	15-4922	—	15-4927	—	15-4925	15-4935	15-4932	—
BULK	17-489	17-490T	17-490TY	17-492-1	17-492G-1	17-492L-1	17-492LG-1	17-492T-1	17-493NP	17-493P	17-494T

### CARDERD VALVE HARDWARE

PART NO.	CARD QTY.	BOX QTY.	CASE QTY.
—	—	—	—
15-4904	4	6	72
—	—	—	—
15-4922	4	6	72
—	—	—	—
15-4927	4	6	72
—	—	—	—
15-4925	4	6	72
15-4935	4	6	72
15-4932	4	6	72
—	—	—	—
15-4933	Set	6	72

### DESCRIPTION

Green O-Ring Identification Ring for Nitrogen
TPMS High Temp Valve Core, Nickel Plated, Red Seal
TPMS High Temp Valve Core, Nickel Plated, Yellow Seal
TR #VC-8, Black Plastic Valve Cap with Red Silicone Seal
Dark Green Plastic Valve Cap with Red Silicone Seal
Long Skirted Black Plastic Cap with Seal for 17-20008
Long Skirted Green Plastic Cap with Seal
Gray Plastic TPMS Valve Cap with Red Silicone Seal
Chromed Plastic Hex Valve Cap with Green Top
Chromed Plastic Hex Valve Cap
Chromed Plastic Sleeve for 17-20008
Chrome Plastic Sleeve and Cap Set
Cradle with Clip for Mounting Band
Replacement Clip for Mounting Band
Mounting Band for Banded Sensors
TPMS Sensor Service Tool

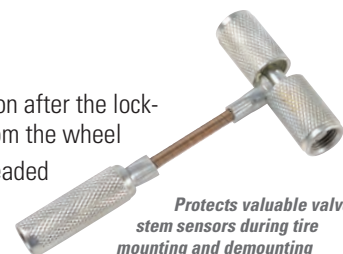
### BULK VALVE HARDWARE

PART NO.	UNIT QTY
17-489	100
17-490T	100
17-490TY	100
17-492-1	100
17-492G-1	100
17-492L-1	100
17-492LG-1	100
17-492T-1	100
17-493NP	100
17-493P	100
17-494T	100
—	—
17-21101	Each
17-21102	Each
17-21103	Each
17-601	Each

### 17-601

#### TPMS Sensor Service Tool

- Designed to keep the sensor in a safe and secure position after the locking nut has been removed and the sensor is released from the wheel
- The handle of the tool is a 2-way tool: One side is a threaded valve core depressor tool to deflate the tire while the other side is a valve core remover tool



*Protects valuable valve stem sensors during tire mounting and demounting*



**Helps educate the customer**

### 19-130

#### TPMS CounterTop Display

- The perfect sales tool for promoting TPMS service
- Multiple visuals displaying the complexity of a TPMS sensor – Exposed electronic components aid in technical aspect of selling TPMS service
- Displays both snap-in and clamp-in style sensors

### 19-143

#### TPMS Service Banner

- Increase TPMS Service Revenue
- Full Color 24" x 96" Vinyl Banner
- Let every car that drives by know you can 'Turn the Light Off' for them.
- Finished with Grommets and 15' Rope Sewn in Top and Bottom



**USE INSIDE OR OUT!**



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