

TPMS

Service Parts and Tools

DVT  **Dynamic**
SENSOR
Dual Valve Technology

Sensors • Service Kits
Tools • Cabinets



JohnDow
Dynamic
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Toll-Free Sales
1-888-571-1141

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Tire Pressure Monitoring Systems (TPMS)

Sensors • Service Kits • Tools • Cabinets

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Dynamic Automotive — Limited Warranty

Dynamic Automotive warrants that the DVT-Sensor Multiple-Vehicle-Application sensor shall be free from defects in workmanship and material for a period of twelve (12) months or 12,000 miles of use, whichever comes first, after the sale of the product to the customer. In the event that within the warranty period Dynamic Automotive confirms that a product is defective, Dynamic Automotive will replace the product at no cost to the customer. If it is determined that the product has been subject to accident, misuse or abuse, this warranty and the limited obligations hereunder will be void. This is the sole and exclusive warranty and liability to customer. Dynamic Automotive expressly disclaims any other warranty including the warranties of merchantability, fitness for purpose other implied or expressed warranties. Under no circumstances shall Dynamic Automotive be liable to customer for any other amounts including labor charges for installation or reinstallation of product nor shall Dynamic Automotive be liable under any theory for any other damages including but not limited to direct, indirect, special, consequential and incidental damages.

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Dynamic Automotive

Division of JohnDow Industries, Inc.

151 Snyder Avenue
 Barberton, Ohio 44203

Phone: 1-888.571.1141
 Fax: 1-330.753.6419

www.dynamicTPMS.com
www.dynamicautosupplies.com

Email:
customerservice@johndow.com

Service procedures for replacing TPMS sensors and installing TPMS service kits require the proper tools. Dynamic has the essential tools needed for servicing TPMS vehicles.

DY-001A

Torque Wrench With Sockets



Torque wrench is used for installing TPMS sensor nuts. Torque range is from 30 in-lbs (3.4 N-m) to 120 in-lbs (13.6 N-m). Includes 11 mm and 12 mm sockets. Comes in a plastic storage case.

DY-002A

Torque Tool for Valve and Sensor



Torque tool is used for installing valves on DVT-sensors. Comes with T10 Torx bit for the clamp-in valve and a S7 socket for the snap-in valve. 12 in-lbs (1.4 N-m)

DY-150

Valve Core Torque Tool



Tightens valve cores to OE specifications, 3.5-4 in-lbs (.45 N-m). Meets industry recommended torque values. Can also be used to remove valve cores.

DY-164

Grommet Removal Tool



This tool is used to remove the old grommet from the TPMS aluminum valve stem.

DY-172

Grommet Pick Tool



This tool is used to help remove old and broken grommets from the TPMS aluminum valve stem.

DY-32-VNT

TPMS 4-Way Valve Tool



Use this tool for removing sensor nuts and seating the sensor grommets. It can be used to remove 11 mm and 12 mm nuts.

DY-312

Complete TPMS Service Tool Kit

The DY-312 contains all of the tools needed to service and install TPMS sensors and service kits. All tools are stored and organized in a sturdy plastic case.

Kit includes:

DY-001A	Torque Wrench with 11 mm & 12 mm sockets
DY-002A	Torque Tool for Valve & Sensor
DY-150	Valve Core Torque Tool 12 in-lbs (.45 N-m)
DY-164	Grommet Removal Tool
DY-172	Grommet Pick Tool



- Dual Valve Technology
- Installs right out of the box
- Works with all TPMS scan tools
- Saves Time
- Saves Money
- Reduces Inventory
- Increase shop productivity and profits



DVT – Dual Valve Technology Multi-Vehicle-Application Sensors

DVT-sensors are designed to work with either a rubber snap-in valve stem or the metal clamp-in valve stem. This technology makes the DVT-sensor very versatile. It's easy to match the valve style on TPMS equipped vehicles without requiring an additional part number. Just remove the DVT snap-in or clamp-in valve stem and replace it with the required valve.

DVT-sensors for domestic applications are supplied with the rubber snap-in valve stem. Asian applications are supplied with the clamp-in valve stem.



Six DVT-Sensors providing brand-to-brand coverage

GM	314.9/315 MHz
Ford/Chrysler	315 MHz
Ford/Chrysler	433 MHz
Toyota/Nissan	315 MHz
Honda	315 MHz
Hyundai/Kia	315 MHz

No sensor programming is required

- Unlike programmable sensors the DVT-Sensor installs right out of the box—no extra steps!
- No additional tool to buy
- No internet connection required
- No annual subscription to renew

Simply complete the OE relearn requirements and off you go!



Multiple-Vehicle-Application means less inventory investment

DVT-Sensors have the ability to work on more than one vehicle application. Multiple protocols are added to the sensor to provide a wider vehicle coverage. **One sensor can replace many OEM sensors!**



DVT-Sensors are compatible with all of the TPMS activation/scan tools

DVT-Sensors work with all of the major TPMS activation/scan tools including Bartec, ATEQ, OTC and Snap-on.



DVT-Sensors are designed and tested to OEM requirements







Quick activation time – often faster than the OEM sensor

Pressure readings update at pressure change – unlike other multiple vehicle application sensors where the vehicle must be driven to update the pressure

Long battery life – brand-to-brand design uses less power and increases the life of the sensor

TPMS

DVT-Sensors provide over 80% brand-to-brand coverage for Domestic and Asian cars and light trucks.

Sensor No.	Mfg.	Vehicle Make
Domestic Applications w/snap-in valve		
DVT-1001H 	GM 314.9/315 MHz	Buick, Cadillac, Chevrolet, GMC, Hummer, Isuzu, Pontiac, Saab, Saturn, Suzuki
DVT-1002H 	Ford/Chrysler 315 MHz	Chrysler, Dodge, Jeep, Ford, Lincoln, Mercury, Mazda, Mitsubishi
DVT-1003 	Ford/Chrysler 433 MHz	Chrysler, Dodge, Jeep, Ford, Lincoln, Mercury, Mitsubishi
Asian Applications w/clamp-in valve		
DVT-1004 	Toyota/Nissan 315 MHz	Toyota, Lexus, Scion, Nissan, Infiniti
DVT-1005 	Honda 315 MHz	Honda, Acura
DVT-1006 	Hyundai/Kia 315 MHz	Hyundai, Kia

DVT Valves and Accessories

DVT-SV-1

Snap-in Valve for DVT-Sensors.
Includes S7 nut and cap. Box of 10



DVT-CV-1

Clamp-in Valve for DVT-Sensors.
Includes nut, grommet, cap and T10 screw. Box of 10





The OEM requires that the valve stem components are replaced every time the tire is serviced on vehicles with TPMS.



Clamp-in Kit Component	Replacement Reason	Result
(A) Grommet/Seal	Crack, deteriorate and leak over time	Leak path at valve stem
(B) Hex nut	Plating worn off, threads corrode	Leak path at valve stem
(C) Valve Core	Nickel plating strips leading to galvanic corrosion and seized valve cores	Leak at valve core, potential broken valve stem
(D) Valve cap w/seal	Valve cap seal wear	Allows moisture into core
(E) Metal Washer (some applications)	Washer conforms to rim during installation	Leak path at valve stem
Snap-in Kit Component	Replacement Reason	Result
(F) Rubber TPMS snap-in valve	Crack, deteriorate and leak over time	Leak path at valve stem

Refer to manufacturer's specifications for proper torque requirements when replacing hex nuts and valve cores. These specifications can be found in the Dynamic TPMS Service Kit Application Catalog.

6-102

Buick, Cadillac, Chevy, GMC, Isuzu, Pontiac, Saab

Cross-reference:
20004, 1070K, 92-0125



6-103

Cadillac, Chevy, Chrysler, Dodge, Infinity, Isuzu, Jeep, Mitsubishi, Nissan, Subaru

Cross-reference:
20003, 1080K, 92-0140



6-106

Ford, Lincoln, Mercury, Mercedes

Cross-reference:
20002, 1060K, 92-0115



6-108

Buick, Cadillac, Chevy, Chrysler, Dodge, GMC, Hyundai, Jaguar, Jeep

Cross-reference:
20030, 1050K, 92-0150



6-109

Acura, Honda, Hyundai, Kia

Cross-reference:
20021, 2000K, 92-0246



6-110

Audi, BMW, Land Rover, Mercedes, Mini, Porsche, VW

Cross-reference:
20023, 1090K, 92-0261



6-111

Acura, Honda, Lexus, Pontiac, Scion, Toyota

Cross-reference:
20032, 1100K, 92-0215



6-112

Honda, Infiniti, Mitsubishi, Nissan

Cross-reference:
20005, 1130K, 92-0130



6-115

Audi, VW

Cross-reference:
20017, 1030K, 92-0235



6-116

GMC, Hummer, Lexus, Toyota, VW

Cross-reference:
20031, 1110K, 92-0135



6-117

Lexus

Cross-reference:
20033, 1120K, 92-0155



6-120

Chrysler, Dodge, Infiniti, Jeep, Lincoln, Mazda, Mercury, Pontiac, Saturn, Subaru, Suzuki

Cross-reference:
20016, 2030K, 92-202



6-122

Saab, Saturn, Suzuki, Volvo

Cross-reference:
20009, 2010K, 92-0195



6-125

Cadillac, Chevy, GM, GMC

Cross-reference:
20015, 2020K



6-127

Acura, Honda, Hyundai, Kia

Cross-reference:
20019, 2040K, 92-0244



TPMS Service Kits & Assortments



TPMS

6-129

VW
Cross-reference:
20017, 1031K



6-207A

GM, Chrysler, Dodge, Ford, GMC, Hummer,
Jeep, Mazda, Mercury, Subaru, Suzuki
Cross-reference:
20018, VS950, 92-0145



6-223

BMW
(Orange – 51mm)
Cross-reference:
20040, 1095, RDV004



6-138

Honda, Hyundai, Jaguar,
Kia, Land Rover, Mazda,
Mitsubishi, Suzuki,
VW, Volvo
Cross-reference:
20032, 7020K, 92-3312



6-209

Hyundai
Cross-reference:
VS1010



6-228S

Chrysler, Dodge, Jeep,
Mercedes
Cross-reference:
9066K



6-139

Chrysler, Dodge, Jeep,
Nissan
Cross-reference:
20013, 7000K, 92-3311



6-218

Dodge Sprinter
Cross-reference:
20036, 1098K, 92-1170



6-231C

Conti TG1C (REDI style
valve stem)
Cross-reference:
VS-70



6-204

Acura, Honda (Long Valve)
Cross-reference:
20035, 1097K



6-220

Audi 4, BMW, Porsche
(Silver – 43mm)
Cross-reference:
20037, 1092, RDV001



6-205

Acura, Honda (Short Valve)
Cross-reference:
20036, 1096K



6-221

BMW
(Green – 48mm)
Cross-reference:
20038, 1093, RDV002



6-206

Mercedes, Smart
Cross-reference:
20023, 1040K, 92-1170



6-222

BMW, Mercedes
(Black – 49mm)
Cross-reference:
20039, 1094, RDV003



TPMS-16 Service Kit Assortment

TPMS-16 Service Kit Assortment contains 15 of the most popular TPMS service kits to service sensors on most domestic and imported cars and light trucks. Also included are 50 each of the TPMS valve caps and nickel plated valve cores.



Kit No.	General Application	Qty
6-102	General Motors	10
6-103	Chrysler, Dodge, Mitsubishi	10
6-106	Ford	10
6-108	GM, Chrysler, Dodge, Mazda, Volvo	10
6-109	Acura, Honda, Hyundai, Kia	10
6-110	Audi, BMW, Mercedes	10
6-111	Honda, Lexus, Pontiac, Toyota, Scion	10
6-112	Infiniti, Nissan	10
6-115	Audi, VW	10
6-116	Lexus, Toyota	10
6-120	Chrysler, Dodge, Jeep	10
6-122	Mitsubishi, Saab, Suzuki, Volvo	10
6-125	General Motors	10
6-127	Acura, Honda, Kia	10
6-207A	GM, Ford	10

TPMS-12V Valve Stem Service Kit Assortment

For the replacement of corroded TPMS valve stems. The Dynamic TPMS-12V assortment contains 12 of the most popular valve stems.



Kit No.	General Application	Qty
6-204	Acura, Honda (Long Valve)	2
6-205	Acura, Honda (Short Valve)	2
6-206	Mercedes	4
6-207A	Ford, GM	4
6-209	Hyundai	4
6-218	Dodge Sprinter	2
6-220	Audi4, BMW, Porsche (Silver 43mm)	2
6-221	BMW (Green – 48mm)	2
6-222	BMW, Mercedes (Black – 49mm)	2
6-223	BMW (Orange – 51mm)	2
6-228S	Chrysler, Dodge, Jeep	4
6-213C	Redi Sensor Style	4

These cabinets are designed to keep Dynamic DVT Sensors, kits and tools organized and secure. Each cabinet is made of heavy-duty metal with a durable powder coat finish. Mounting hardware is included with each cabinet.

TPMS-90 Sensor Storage Cabinet

The single-door locking cabinet holds up to 90 sensors which are securely stored in separate rows for easy identification. There is a slot on the inside of the door to hold application data and other TPMS information. Measures 25.6" H x 20" W x 7.3" D. Weighs 27 lbs.



TPMS-72P Deluxe TPMS Storage Cabinet

All of the necessary TPMS parts and tools can be securely stored in one place with this deluxe TPMS service cabinet. It will hold up to 72 DVT sensors and 23 different boxes of service kits and accessories. A pull-out drawer is designed to hold essential TPMS service tools. There is also a slot for an application catalog. Measures 30" H x 20" W x 9" D. Weighs 54 lbs.



DVT-493

S7 Nut for DVT Snap-In Valve

Box of 50



DY-128G

Valve Cap—Nylon (Grey)

Box of 50



DY-2104

Metal Cap for DVT-SV-1 Valve

Box of 50



DVT-806

T10 Torx Screw for DVT Clamp-In Valve

Box of 50



DY-1400

TPMS Nickel Plated Valve Core

Box of 50



DY-2210L

Chrome Sleeve for DVT-SV-1 Valve

Box of 12



DY-128B

Valve Cap—Nylon (Black)

Box of 50



DY-158

Black Valve Cap for Schrader 20008

Box of 50



DY-158B

Black Valve Cap for DVT Snap-in Valve

Box of 50



Tire Valves

Tubeless Snap-In Valves

Made with EDPM Rubber

65 psi maximum cold inflation pressure – maximum rim thickness .156"



Part Number	Height	Valve Hole	Box Quantity
TR413-50	1.25"	.453"	50
TR413-500	1.25"	.453"	500
TR414-50	1.50"	.453"	50
TR414-500	1.50"	.453"	500
TR418-50	2.00"	.453"	50
TR414-500	2.00"	.453"	500
TR423-50	2.50"	.453"	50

Tubeless Snap-In Valves with Chrome Sleeve & Cap

Made with EDPM Rubber

65 psi maximum cold inflation pressure – maximum rim thickness .156"



Part Number	Height	Valve Hole	Box Quantity
TR413C-50	1.25"	.453"	50
TR413C-500	1.25"	.453"	500
TR418C-50	2.00"	.453"	50
TR418C-500	2.00"	.453"	500

High Pressure Snap-In Valves

Brass/Rubber

80 psi maximum cold inflation pressure – maximum rim thickness .205"



Part Number	Height	Valve Hole	Box Quantity
TR600HP	1.27"	.453"	50

Bolt-In Valves – Flush Mount

Nickel/Chrome Plated Brass

Torque at 25-45 in-lbs.



Part Number	Height	Valve Hole	Box Quantity
TR416-50	1.44"	.453"/.625"	50
TR559	1.00"	.453"/.625"	50

Truck Tire Valves

For steel wheels with .625" valve hole.



Part Number	Height	Valve Hole	Box Quantity
TR500T-10	2"	.625"	10
TR501T-10	1.5"	.625"	10
TR572T-10	3.75"	.625"	10

The Dynamic TPMS Zone is an online go-to resource for tire dealers when servicing TPMS equipped vehicles.

Gain instant access to the industry's leading database of TPMS information with this state of the art tool available at www.dynamicTPMS.com. Don't let this fast growing category of business get out of hand. Have the information you need to get the job done with the Dynamic TPMS Zone.

Available 24/7 – Use with your computer, phone, iPad or tablet.

With the Dynamic TPMS Zone you will be more profitable in the TPMS category.



TPMS Zone Benefits

- Reduce shop time servicing TPMS
- Reduce lost sales
- Increase revenue in TPMS category
- Accurate, timely data
- Raise competency
- Increase customer satisfaction
- Increase safety to customer

TPMS Zone Features

Information Lookup

- Y-M-M OE Sensor Lookup
- VIN OE Sensor Lookup
- Vehicle Image
- Advance Search—Sensors
 Manufacturer, FCC ID, Attributes, Color, Type, Shape, Alternate Part Number
- Advanced Search—Service Kits
 By Sensor
 Part Number
 Component
- Integrated Video Training
- Troubleshooting Lookup

Proactive Notifications

- Vehicle Relearn Information
- Problem Scenario Alerts
- Warnings and Tips
- Scan Tool Compatibility

Administrative Control

- Set Preferred Vendors
 Sensors
 Tools
 Service Kits
- Regional Settings

Data and Reporting

- TSBs
- Sensor Images
- Detailed Images
- FCC ID Close –up
- Sensor ID Close-up
- Save Reports
- Sensor Track
 Cause/Failure Selection
 Sensor ID Input
 Customer Report Names
 Report Retrieval by Date/Name
- Usage Data

The Dynamic TPMS Zone is available on a 12 month subscription basis and is licensed to individual store locations.

Contact your Dynamic TPMS distributor or sales representative for complete details.



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151 Snyder Avenue
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