

TIRE PRESSURE MONITORING SYSTEM

Complete Program



UPDATED!

THE WURTH COMPLETE TP



As of September 1, 2007, all vehicles under 10,000 lbs. GVW (Gross Vehicle Weight), excluding motorcycles and light duty trucks with dual wheels on an axle, are equipped with Tire Pressure Monitoring Systems (TPMS) which must be serviced when tire and wheel service is performed. Auto manufacturers began phasing TPMS into vehicles prior to 2007.

What is TPMS?

TPMS, Tire Pressure Monitoring System, is an electronic system that alerts you with a dashboard indicator light when your car's tire pressure falls to the point of needing inflation.

How does TPMS work?

There are two different types of systems being used today: Direct TPMS and Indirect TPMS. Direct TPMS uses a sensor that is mounted in the wheel and measures air pressure in each tire. When air pressure drops 25% below the manufacturer's recommended level, the sensor transmits that information to your car's computer system and triggers your dashboard indicator light.

Indirect TPMS works with your car's Antilock Braking System (ABS) wheel speed sensors. If a tire's pressure is low, it will roll at a different wheel speed than the other tires. This information is detected by your car's computer system, which triggers the dashboard indicator light.

Why do cars have TPMS?

To help drivers recognize the importance of tire pressure safety and maintenance. Congress passed the TREAD Act which requires most vehicles made in 2006-07 and ALL made thereafter to be TPMS-equipped.

What are the benefits of TPMS?

TPMS notifies you when your vehicle's tire pressure is low or is going flat. By helping you maintain proper tire pressure, TPMS can increase your safety on the road by improving your vehicle's handling. Decreasing tire wear, reducing braking distance and bettering fuel economy.

Is my vehicle equipped with TPMS?

Your vehicle has TPMS if the "low tire pressure" warning light (icon top left of this page) appears on your dash when the key is turned to the "on" position.

What should I do if my warning indicator comes on?

Check the air pressure in your tires and inflate any tire that is low according to the manufacturer's recommendation. When the tire is at the appropriate pressure, the indicator light should go off.



TPMS SOLUTION

FROM DIAGNOSTIC TOOLS AND SENSORS TO REPLACEMENT PART KITS AND ACCESSORIES, WURTH USA IS ABLE TO MEET ALL OF YOUR TPMS NEEDS.

WURTH USA's complete TPMS program includes the following:

- Replacement Parts Kits
- Replacements Valves (Snap-in & Aluminum)
- Sensors (OE, Aftermarket and Programmable)
- Caps, Cores and Grommets
- Tools
- Technical Data (Application Chart & TPMS Guide)
- Technical Support

NEW TO WURTH'S TPMS S

The WURTH Ultimate TPMS Universal Solution

- Sensor Aid Programming/
Diagnostic Device Identifies:
 - > Sensor IDs,
 - > PSI
 - > Tire Temperature
 - > Battery Status
(if OE Sensor is capable)
 - > Year, Make &
Model of Vehicle
- OBD2 Connectivity Available



WURTH TPMS HAS A UNIQUE PROGRAMMING SOLUTION THAT COVERS OVER 95% OF ALL FOREIGN AND DOMESTIC TPMS APPLICATIONS!



Description	Art. #
TPMS Sensor Programming Tool and OBD Interface	087902405
TPMS Sensor 315 MHz - Annodized Valve Stem	0879024050
TPMS Sensor 433 MHz - Annodized Valve Stem	0879024051
TPMS Sensor 315 MHz - Rubber Valve Stem	0879024052
TPMS Sensor 433 MHz - Rubber Valve Stem	0879024053

SYSTEM



Sensor Aid

- Scan and diagnose all working sensors regardless of brand
- Acquire data from working sensors including sensor ID, tire pressure & temperature
- Program blank sensors rapidly
- Option to program manually with the original sensor ID to avoid manual re-learn and/or OBD2 re-learn procedure
- Automatic re-learn feature
- Hassle-free sensor duplicate functionality
- Software updates available online (1 year of free updates)
- Rechargeable battery

**REDUCE SERVICE TIME
AND INVENTORY
INVESTMENT BY 95%
WITH JUST 4 SENSOR
SKUs!**



Anodized Valve Stem
<<< Sensors >>>



Sensors

- Designed to perform like O.E. sensors
- 1 year warranty against manufacturer defect
- Automotive battery grade (meets most severe weather conditions)
- Precision-crafted air valve prevents air pressure leakage
- Available in either Anodized or Rubber Valve Stem (corrosion resistant)
- 0-30 degree adjustable Valve Stem fits all types of wheels (only with Anodized Valve Stem Sensor)
- Rubber Valve Stem Sensor designed to be lightweight & compact
- Assembles quickly on to any aluminum or steel wheels
- SAE J2657 compliant and Identifiable by other diagnostic tools



Rubber Valve Stem
Sensors >>>

TIRE PRESSURE MONITOR

TPMS Parts Assortment #1



See Product Reference Chart for color coding info

Includes all of the necessary component parts to service most TPMS sensors for:

- Chrysler
- Ford
- GM

Assortment Includes:

- 145 Replacement Parts Kits
- 100 TPMS Valve Cores
- 200 TPMS Plastic Valve Caps
- TPMS Valve Core Torque Tool
- Application Chart



TPMS Parts Assortment #1 - Art. #0879023025		
Art. #	General Application	Qty
0879023001	GMC, Hummer, Isuzu	10
0879022000	Rubber Snap-In TPMS Valve	20
0879023007	Prowler & Corvette	10
0879023008	Chrysler, Dodge, Jeep	20
0879023010	GM with TRW Clamp-In	10
0879023012	Chrysler, Dodge, Mitsubishi	20
0879023013	Ford	10
0879023014	GM	20
0879022004	Dodge Sprinter	5
0879023015	Chrysler	20

Valve Tools and Accessories		
Art. #	Description	Qty
071554005	Valve Core Torque Tool	1
18791329	Nickel Plated TPMS Valve Cores	100
18791375	Long Black Plastic TPMS Caps	100
087902002	Gray Plastic TPMS Caps w Red Sil	100

The OEM recommends replacing the EPDM grommet, valve cap, valve core and sensor nut every time a TPMS sensor is removed from the wheel or the wheel is serviced. Worn component parts can cause serious problems. Replacing the critical valve component parts every time ensures an air tight seal allowing the TPMS to function properly.

Each replacement parts kit is barcoded and color coded for easy identification and billing to repair order.

RING SYSTEM PARTS

TPMS Parts Assortment #2



See Product Reference Chart for color coding info

Includes all of the necessary component parts to service most TPMS sensors for:

- Acura
- Audi
- BMW
- Honda
- Hyundai
- Infiniti
- Kia
- Lexus
- Mercedes
- Nissan
- Saab
- Subaru
- Suzuki
- Toyota
- Volkswagen
- Other Miscellaneous Imports

Assortment Includes:

- 165 Replacement Parts Kits
- Application Chart



TPMS Parts Assortment #2 - Art. #0879023026					
Art. #	General Application	Qty	Art. #	General Application	Qty
0879023000	Nissan	10	0879023016	Audi, Mercedes, Volkswagen	10
0879023002	Nissan, Infiniti	10	0879022005	Audi, Mercedes	5
0879023003	Saab, Suzuki	10	0879023017	Acura, Honda, Kia	10
0879023004	Volvo	10	0879023019	Hyundai, Honda, Kia	10
0879023005	Subaru	10	0879023020	Volkswagen	10
0879023009	Nissan, Infiniti	10	0879023021	Misc. Imports	10
0879023011	Mercedes	10	0879023022	Lexus, Toyota	10
0879022002	Honda	5	0879023023	Lexus, Toyota	10
0879022003	Acura, Honda, Kia	5	0879023024	Lexus SC430	10

Each replacement parts kit is barcoded and color coded for easy identification and billing to repair order.

TPMS VALVE TOOLS

TPMS 4-Way Valve Tool

- Durable, all-in-one tool for removing the sensor nuts and seating the sensor grommets
- Will remove both 11mm and 12mm nuts
- Will seat both beveled and non-beveled grommets
- Ergonomic design



Art. #	Description
071554008	TPMS 4-Way Valve Tool

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 valve's internal threads or removing the nickel plating of the core, resulting in corrosion



Art. #	Description
071554005	Valve Core Torque Tool

Mounting Band for Ford Sensors

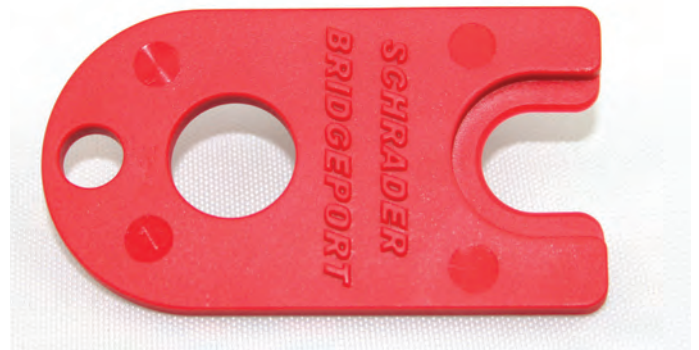
- For 14" to 26" wheels
- Torque to 27 in-lbs (3 N.m.)



Art. #	Description
054700015	Mounting Band for Ford Sensors

Grommet Removal Tool

- Designed to safely remove the rubber grommet from the aluminum stem of a TPMS sensor
- Receiving hole can be used to install a new grommet



Art. #	Description
071554007	Grommet Removal Tool

TPMS Valve Accessories



#	Art. #	General Application	Qty
A	18791329	TPMS Electroless Nickel Plated Valve Core	100
B	18791375	Long Skirted Black Plastic Cap with Seal	100
C	087902002	Gray Plastic Cap with Seal	100
D	0879901002	Chromed Plastic Hex Cap with Seal	100
E	0879022100	VC-8 Green Plastic Cap with Seal	100
F	0879022001	TPMS Snap-in Valve with Chromed Plastic Sleeve and Cap	10



TPMS Replacement Parts Kits



See next page for additional information on these kits!

TPMS REPLACEMENT PARTS KITS

The OEM recommends replacing the EPDM grommet, valve cap, valve core, and sensor nut every time a TPMS sensor is removed from the wheel or the wheel is serviced. Worn component parts can cause serious problems. Replacing the critical valve component parts every time ensures an air tight seal allowing the TPMS to function properly.

TPMS SNAP-IN VALVES

The OEM recommends replacing the rubber snap-in TPMS valve whenever the sensor is removed from the wheel. The rubber snap-in valve is attached to the sensor module by a TORX screw with a recommended torque specification of 11.5 in-lbs or 1.3 N.m. The maximum cold inflation pressure is 90psi.

PRODUCT REFERENCE CHART

TPMS Replacement Parts Kits and Valves				Cross Reference			
WURTH USA				Schrader		Dill	
Art #	General Application	Color Indicator	Box Qty	Part #	Kit Color	Part #	Kit Color
879023022	Lexus, Toyota	1	10	20032		1100K	Purple
879023023	Lexus, Toyota	2	10	20031	Lt. Purple	1110K	Teal
879023024	Lexus SC430	3	10			1120K	Gold
879023001	GMC, Hummer, Isuzu	1	10	20006	Orange		
879022000	Rubber Snap-In TPMS Valve	2	10	20008		VS930	
879023010	GM with TRW Clamp-In	3	10	20015		2020K	Pink
879023014	GM	4	10	20004	Yellow	1070K	Blue
879023011	Mercedes	1	10	20016			
879023016	Audi, Mercedes, VW	2	10	20017		1030K	Orange
879022005	Audi, Mercedes	3	10			1040K	Pantone Brown
879023020	Volkswagon	4	10			1031K	Lt. Green
879023000	Nissan	1	10	20005	Purple	1130K	Burgandy
879023002	Nissan, Infiniti	2	10	20007	Dk. Green		
879023009	Nissan, Infiniti	3	10	20014			
879023003	Saab, Suzuki	1	10	20009			
879023004	Volvo	2	10	20010		2010K	Lt. Brown
879023005	Subaru	3	10	20011			
879023007	Prowler & Corvette	1	10	20012			
879023008	Chrysler, Dodge, Jeep	2	10	20013		2030K	Lt. Grey
879023012	Chrysler, Dodge, Mitsubishi	3	10	20003	Red	1080K	Green
879022004	Dodge Sprinter	4	10			1098K	Reddish/Purple
879023015	Chrysler	5	10	20030	Brown	1050K	White
879023013	Ford	1	10	20002	Black	1060K	Rubine Red
879023021	Misc. Imports	4	10	20037-40		1090K	Gray
879022002	Honda	1	10	20035	Lt. Blue		
879022003	Acura, Honda, Kia	2	10	20036	Green		
879023017	Acura, Honda, Kia	3	10			2040K	Lt. Blue
879023019	Hyundai, Honda, Kia	4	10			2000K	Yellow

JOIN THE WURTH TPMS PROGRAM AND RECEIVE POINT-OF-SALE POSTERS AT NO CHARGE!

WURTH IS YOUR PARTNER IN PROFIT!



DON'T FEEL DEFLATED

**Tires should keep you on the road,
not on the side of one.**

**Ask a service specialist to examine
your tires today.**

Tire Poster - Art. # 1STA9136

TPMS

Complete Program

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