Oro-Tek Generation II TPMS Program

Updated Features:

• No air down down reset procedure. Sensors are always ready for re-learn out of the box.
• New Freescale chipset for faster relearns.
• W.A.L. Technology compatible.
• Reduced weight and size.
• Rubber Valve Stem Option – Our 930-20008 service kit can be used with all Gen II sensors. Applications with OE rubber stems will ship with rubber stems from Oro-Tek.

Expanded coverages:

Single Protocol

• The Single Protocol Sensor line has been reduced from 64-45 SKU’s while maintaining coverages for 97% of vehicle applications.
• Cover 70% of the market with 6 value priced Single Protocol Sensors!

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<th>PART #</th>
<th>MARKET %</th>
<th>APPLICATION</th>
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<tr>
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<td>CHEVY 2008-PRES ENT</td>
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<td>OSC-0315A</td>
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<td>FORD 2010-PRESENT</td>
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<tr>
<td>OSE-7635A</td>
<td>5%</td>
<td>FORD 2007-2009</td>
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<td>OSE-7770A</td>
<td>5%</td>
<td>CHRYSLER 2006-PRESENT</td>
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<tr>
<td>OSC-8204A</td>
<td>10%</td>
<td>NISSAN 2004-PRESENT</td>
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• Gen II sensor OBE-011A consolidates coverage of all 433Mhz non-W.A.L. technology Beru/HUFF applications into a single SKU

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<th>GEN II</th>
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iORO Universal Sensors

• iORO universal sensors now cover 93% of the market with three sensors, up from 90% in Generation I.
ORO-TEK SENSORS ARE NOW WAL COMPATIBLE

With the release of the Generation II sensor line, ORO-TEK becomes the first aftermarket sensor manufacturer to offer compatibility with Wireless Auto Location (W.A.L.) systems.

W.A.L. technology was developed to reduce this cost by controlling the TPMS from a single, central antenna. In addition to new antenna technology, W.A.L. requires new sensor technology that can calculate distance from the central antenna system in order to register the proper location (RF, LF, RR, LR) of the sensor in the vehicle.

At this point ORO-TEK is the only non-OE manufacturer to incorporate this technology in its sensors. Some aftermarket manufacturers of TPMS sensors list vehicles with W.A.L. technology in their coverage charts and/or programming tools, but all their sensors are doing is turning off the TPMS MIL (Malfunction Indicator Light). There is much more to proper TPMS function than just turning off the MIL.

For wheel and tire professionals it’s important to always consider compliance with federal laws regarding TPMS. According to these regulations, installers must use a sensor that incorporates W.A.L. technology for those vehicles which utilize it from the factory. If not, they are in violation of the “Make Inoperative Provision” of the law, which states that if a vehicle enters a repair shop with a functioning TPMS system it must leave the facility in the same condition. Bottom line, if the sensor you’re selling doesn’t incorporate this technology, your installers are in violation of the law.

<table>
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## SINGLE PROTOCOL SENSORS

Oro-Tek offers a full line of single-protocol sensors, covering 97% of 2007-2015 model years. Our team has been engineering and manufacturing OE replacement sensors since 2006 — virtually the beginning of TPMS.

We have thoroughly validated all vehicle applications. We can assure you that Oro-Tek sensors have the same fit and function as OE sensors. In addition, Oro-Tek offers a considerable cost savings when compared to OE and aftermarket sensors. To re-learn Oro-Tek sensors to your car’s ECU, simply use the same re-learn procedures and tools as the OE sensors.

We stand behind all sensors with a one year warranty.

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**ORO-TEK GEN II**

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<td>SHORT RUBBER VALVE STEM</td>
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iORO :: MULTI VEHICLE PROTOCOL

ORO-TEK’s three iORO Sensors cover 93% of all vehicles on the road today.

OTI-001B/OTI-001B-R
Our first iORO sensor covers an astounding 70% of the entire vehicle market, not just Ford, Chevy and Chrysler. That means you can service most customer TPMS systems with just one iORO sensor.

OTI-002A/OTI-002A-R
Our second sensor with MVP technology covers most 433 Mhz Apps, including all 2006-2012 BMWs.

OTI-003A/OTI-003A-R
Our third sensor covers many Asian import vehicles.

OTI-001B/OTI-001B-R

OTI-002A/OTI-002A-R

OTI-003A/OTI-003A-R

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<th>APPLICATIONS</th>
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TPMS SERVICE KITS

ORO-TEK service kits include everything you need to properly service OE TPMS equipped valve stems. Service kits are tailored to specific vehicle makes, models and years and include sealing components such as caps, cores, grommets and nuts. OEM specifications require these components to be replaced every time tires and rims on TPMS equipped vehicles are serviced.

ORO-TEK PART NO. 1030-20017
REFERENCE PART NUMBERS
SCHRADER KIT: 20017
NAPA KIT: 92-0235
DILL KIT: D1030K
APPLICATION DATA
NUT TORQUE (in-lbs): 71
NUT TORQUE (Nm): 8
CORE TORQUE (in-lbs): 2-5
CORE TORQUE (Nm): .23-.56

ORO-TEK PART NO. 1031-20017
REFERENCE PART NUMBERS
SCHRADER KIT: 20017
APPLICATION DATA
NUT TORQUE (in-lbs): 71
NUT TORQUE (Nm): 8
CORE TORQUE (in-lbs): 2-5
CORE TORQUE (Nm): .23-.56

ORO-TEK PART NO. 1040-20023
REFERENCE PART NUMBERS
SCHRADER KIT: 20023
NAPA KIT: 92-0150
DILL KIT: D1080K
APPLICATION DATA
NUT TORQUE (in-lbs): 62
NUT TORQUE (Nm): 7
CORE TORQUE (in-lbs): 2-5
CORE TORQUE (Nm): .23-.56

ORO-TEK PART NO. 1050-20030
REFERENCE PART NUMBERS
SCHRADER KIT: 20030
NAPA KIT: 92-0125
DILL KIT: D1070K
APPLICATION DATA
NUT TORQUE (in-lbs): 62
NUT TORQUE (Nm): 7
CORE TORQUE (in-lbs): 2-5
CORE TORQUE (Nm): .23-.56

ORO-TEK PART NO. 1060-20002
REFERENCE PART NUMBERS
SCHRADER KIT: 20002
NAPA KIT: 92-0115
DILL KIT: D1060K
APPLICATION DATA
NUT TORQUE (in-lbs): 44
NUT TORQUE (Nm): 5
CORE TORQUE (in-lbs): 2-5
CORE TORQUE (Nm): .23-.56

ORO-TEK PART NO. 1070-20004
REFERENCE PART NUMBERS
SCHRADER KIT: 20004
NAPA KIT: 92-0125
DILL KIT: D1070K
APPLICATION DATA
NUT TORQUE (in-lbs): 62
NUT TORQUE (Nm): 7
CORE TORQUE (in-lbs): 2-5
CORE TORQUE (Nm): .23-.56

ORO-TEK PART NO. 1077-20000
REFERENCE PART NUMBERS
DILL KIT: D1077K
APPLICATION DATA
NUT TORQUE (in-lbs): 62
NUT TORQUE (Nm): 7
CORE TORQUE (in-lbs): 2-5
CORE TORQUE (Nm): .23-.56

ORO-TEK PART NO. 1080-20003
REFERENCE PART NUMBERS
SCHRADER KIT: 20003
NAPA KIT: 92-0125
DILL KIT: D1080K
APPLICATION DATA
NUT TORQUE (in-lbs): 35-62
NUT TORQUE (Nm): 4-7
CORE TORQUE (in-lbs): 2-5
CORE TORQUE (Nm): .23-.56

ORO-TEK service kits include everything you need to properly service OE TPMS equipped valve stems. Service kits are tailored to specific vehicle makes, models and years and include sealing components such as caps, cores, grommets and nuts. OEM specifications require these components to be replaced every time tires and rims on TPMS equipped vehicles are serviced.
TPMS SERVICE KITS

WARNING: ALWAYS USE NEW GROMMETS, NUTS, VALVE CAPS AND VALVE CORES WHEN PERFORMING ANY TIRE SERVICE. USE NICKEL-PLATED ELECTROLESS VALVE CORES WITH ALUMINUM VALVE STEMS. REFER TO MANUFACTURER’S SPECIFICATIONS FOR PROPER TORQUE REQUIREMENTS WHEN REPLACING NUTS AND VALVE CORES.

ORO-TEK PART NO. 1090-20023

REFERENCE PART NUMBERS
SCHRADER KIT: 20023
DILL KIT: D1090K

APPLICATION DATA
NUT TORQUE (in-lbs): 35
NUT TORQUE (N-m): 4
CORE TORQUE (in-lbs): 2-5
CORE TORQUE (N-m): .23-.56

ORO-TEK PART NO. 1098-20000

REFERENCE PART NUMBERS
SCHRADER KIT: 20005
DILL KIT: D1098K

APPLICATION DATA
NUT TORQUE (in-lbs): 35
NUT TORQUE (N-m): 4
CORE TORQUE (in-lbs): 2-5
CORE TORQUE (N-m): .23-.56

ORO-TEK PART NO. 1100-20032

REFERENCE PART NUMBERS
SCHRADER KIT: 20032
NAPA KIT: 92-0215
DILL KIT: D1100K

APPLICATION DATA
NUT TORQUE (in-lbs): 35
NUT TORQUE (N-m): 4
CORE TORQUE (in-lbs): 2-5
CORE TORQUE (N-m): .23-.56

ORO-TEK PART NO. 1110-20031

REFERENCE PART NUMBERS
SCHRADER KIT: 20031
NAPA KIT: 92-0135/0155
DILL KIT: D1110K

APPLICATION DATA
NUT TORQUE (in-lbs): 35
NUT TORQUE (N-m): 4
CORE TORQUE (in-lbs): 2-5
CORE TORQUE (N-m): .23-.56

ORO-TEK PART NO. 1120-20033

REFERENCE PART NUMBERS
SCHRADER KIT: 20033
DILL KIT: D1120K

APPLICATION DATA
NUT TORQUE (in-lbs): 27
NUT TORQUE (N-m): 3
CORE TORQUE (in-lbs): 2-5
CORE TORQUE (N-m): .23-.56

ORO-TEK PART NO. 1130-20005

REFERENCE PART NUMBERS
SCHRADER KIT: 20005
DILL KIT: D1130K

APPLICATION DATA
NUT TORQUE (in-lbs): 66
NUT TORQUE (N-m): 7.5
CORE TORQUE (in-lbs): 2-5
CORE TORQUE (N-m): .23-.56

ORO-TEK PART NO. 2000-20021

REFERENCE PART NUMBERS
SCHRADER KIT: 20021
DILL KIT: D2000K

APPLICATION DATA
NUT TORQUE (in-lbs): 35
NUT TORQUE (N-m): 4
CORE TORQUE (in-lbs): 2-5
CORE TORQUE (N-m): .23-.56

ORO-TEK PART NO. 2010-20009

REFERENCE PART NUMBERS
SCHRADER KIT: 20009
DILL KIT: D2010K

APPLICATION DATA
NUT TORQUE (in-lbs): 66
NUT TORQUE (N-m): 7
CORE TORQUE (in-lbs): 2-5
CORE TORQUE (N-m): .23-.56

WARNING:
ALWAYS USE NEW GROMMETS, NUTS, VALVE CAPS AND VALVE CORES WHEN PERFORMING ANY TIRE SERVICE. USE NICKEL-PLATED ELECTROLESS VALVE CORES WITH ALUMINUM VALVE STEMS. REFER TO MANUFACTURER’S SPECIFICATIONS FOR PROPER TORQUE REQUIREMENTS WHEN REPLACING NUTS AND VALVE CORES.
**TPMS SERVICE KITS**

ORO-TEK service kits include everything you need to properly service OE TPMS equipped valve stems. Service kits are tailored to specific vehicle makes, models and years and include sealing components such as caps, cores, grommets and nuts. OEM specifications require these components to be replaced every time tires and rims on TPMS equipped vehicles are serviced.

### ORO-TEK PART NO. 2020-20015

**REFERENCE PART NUMBERS**
- SCHRADER KIT: 20015
- DILL KIT: D2020K

**APPLICATION DATA**
- NUT TORQUE (in-lbs): 62
- NUT TORQUE (N-m): 7
- CORE TORQUE (in-lbs): 2-5
- CORE TORQUE (N-m): 0.23-0.56

### ORO-TEK PART NO. 2030-20013

**REFERENCE PART NUMBERS**
- SCHRADER KIT: 20013
- NAPA KIT: 92-0225/0230/0210
- DILL KIT: D2030K

**APPLICATION DATA**
- NUT TORQUE (in-lbs): 35-71
- NUT TORQUE (N-m): 4-8
- CORE TORQUE (in-lbs): 2-5
- CORE TORQUE (N-m): 0.23-0.56

### ORO-TEK PART NO. 2040-20019

**REFERENCE PART NUMBERS**
- SCHRADER KIT: 20019
- NAPA KIT: 92-0205/0244
- DILL KIT: D2040K

**APPLICATION DATA**
- NUT TORQUE (in-lbs): 35
- NUT TORQUE (N-m): 4
- CORE TORQUE (in-lbs): 2-5
- CORE TORQUE (N-m): 0.23-0.56

### ORO-TEK PART NO. 7000-20000

**REFERENCE PART NUMBERS**
- DILL KIT: D7000K

**APPLICATION DATA**
- NUT TORQUE (in-lbs): 71
- NUT TORQUE (N-m): 8
- CORE TORQUE (in-lbs): 2-5
- CORE TORQUE (N-m): 0.23-0.56

### ORO-TEK PART NO. 7020-20000

**REFERENCE PART NUMBERS**
- DILL KIT: D7020K

**APPLICATION DATA**
- NUT TORQUE (in-lbs): 71
- NUT TORQUE (N-m): 8
- CORE TORQUE (in-lbs): 2-5
- CORE TORQUE (N-m): 0.23-0.56

### ORO-TEK PART NO. 930-20010

**REFERENCE PART NUMBERS**
- SCHRADER KIT: 92061
- DILL KIT: D7030K

**APPLICATION DATA**
- NUT TORQUE (in-lbs): 11.5
- NUT TORQUE (N-m): 2
- CORE TORQUE (in-lbs): 2-5
- CORE TORQUE (N-m): 0.23-0.56

### ORO-TEK PART NO. 930-20008

**REFERENCE PART NUMBERS**
- SCHRADER KIT: 20008
- DILL KIT: D70145

**APPLICATION DATA**
- NUT TORQUE (in-lbs): 11.5
- NUT TORQUE (N-m): 2
- CORE TORQUE (in-lbs): 2-5
- CORE TORQUE (N-m): 0.23-0.56

### ORO-TEK PART NO. 90-50000

**REFERENCE PART NUMBERS**
- DILL KIT: VS930

**APPLICATION DATA**
- FOUND ON 2014-2015 JEEP CHEROKEE AND RAM TRUCKS

### ORO-TEK PART NO. 90-50001

**REFERENCE PART NUMBERS**
- NA

**APPLICATION DATA**
- FOUND ON 2013 DODGE DART & CADILLAC ATS
- FOUND ON MOST 2010-2015 GM AND FORD OE SENSORS

### ORO-TEK PART NO. 930-20010

**NEW!**

**APPLICATION DATA**
- 10MM SHORTER THAN STANDARD TPMS VALVE.

### ORO-TEK PART NO. 930-20008

**APPLICATION DATA**
- FOUND ON 2013 DODGE DART & CADILLAC ATS

### ORO-TEK PART NO. 90-50000

**APPLICATION DATA**
- FOUND ON 2014-2015 JEEP CHEROKEE AND RAM TRUCKS

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**8 ORO-TEK TPMS PRODUCTS**
TPMS SERVICE KITS

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<tr>
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TPMS ACCESSORIES

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<td>8 PIECES, TPMS VALVE CORE</td>
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Sensor Keeper works with FORD Banded sensor. Keeper locks sensor into the bracket.

Stainless Steel Strap works with OEM Ford Sensor on aftermarket wheels from 17” to 26” diameter and accepts the OEM Bracket.

TPMS bracket is made from 304 stainless steel and is backed with hi temp adhesive. The bracket is very versatile, used with our TPMS strap part #22100 it adapts sensors to large diameter aftermarket wheels. Additionally it can be used to hold Bolt-in and Snap-in style TPMS sensors when you are faced with adaptation issues, which occur with many aftermarket wheels with low profile tires, valve hole angles which differ from the OE wheels.

Stainless Steel Strap constructed of 304 Stainless Steel exceed OEM’s Torque Specifications. Straps are very easy to install just fit around center of wheel, trim off excess, install TPMS Bracket and tighten with screwdriver. Kit includes 4 ea 22100 Straps, 4 ea 22102 Ford sensor keepers, and 4 ea 22103 TPMS sensor bracket.
**TPMS VALVES**

**TPMS VALVE STEM WITH LOOP**
897210TPMS

This valve is used to hold OE bolt-in TPMS sensors when you are faced with adaptation issues, which occur with many aftermarket wheels with low profile tires, valve hole angles which differ from the OE wheel.*

**TPMS VALVE STEM WITH NIPPLE**
897210TPMS-1

Use when customer prefers metal stem with their OE snap-in rubber stem sensor. Used in place of 930-2000.

**LONG TPMS VALVE STEM WITH LOOP**
897270TPMS

This valve is used on multi-piece wheels where the valve protrudes through one of the assembly bolt holes. It includes a loop for installing sensor. It can be used for OE bolt-in style TPMS sensors when you are faced with adaptation issues, which occur with many aftermarket wheels with low profile tires, valve hole angles which differ from the OE wheels.

**LONG TPMS VALVE STEM WITH LOOP**
897270TPMS-1

This valve is used on multi-piece wheels where the valve protrudes through one of the assembly bolt holes. It can be used with OE snap-in style TPMS sensors when you are faced with adaptation issues, which occur with many aftermarket wheels with low profile tires, valve hole angles which differ from the OE wheels.

**897280 VALVE STEM WITH NIPPLE**
897280TPMS-1

Use when customer prefers metal stem with their OE snap-in rubber stem sensor. Used in place of 930-2000.

**CHROME SLEEVE FOR SNAP-IN RUBBER VALVE**
20008CS

Cap for TPMS Rubber Valve #930-20008 and #930-5000.

**TPMS TOOLS**

**1/4" DR. TORQUE WRENCH, 6-30nm**
280030N

Perfect for Torquing TPMS Sensor Nuts. Adjustable from 6-30 nm or 4-23 ft lbs.

**SLEEVE REMOVAL TOOL**
SO1211D

11/12mm Flip Socket with 1/4” drive used for removal and installation of TPMS Sensor Nuts.

**T-10 STAR SCREWDRIVER**
593+6710

For rubber TPMS valve stems.

**T-10 TORQUE TOOL**
SC20140

Valve Core Torque Tool Ensures proper valve core torque to 2-5 in lbs of torque.

**T-10 TORX SCREWDRIVER**
VHTPMST10

For installing screw on OE Snap-in TPMS valve stems.

**TPMS NUT TOOL**
SC20195

11/12mm Socket Driver used for removal and installation of TPMS Sensor Nuts.

**VALVE CORE TORQUE TOOL**
VHTPMST

For Installation and removal of Valve Cores.

* sensor not included

* valve stem not included

* sensor not included

* sensor not included

**ORO-TEK has you covered with all the tools you need to service TPMS sensors.**
Oro-Tek offers a comprehensive website for application data which includes OEM relearn and TPMS pairing procedures.

We have built the industry’s most comprehensive online Application Guide. Our knowledge base delivers all known re-learn procedures for sensor to ECU pairing. Use this tool to identify which sensor fits a particular vehicle or cross-reference nearly any sensor part number on the market.

At the core of our business philosophy is the responsibility to train anyone involved in our distribution channel. Training is focused on understanding our products, their applications, their installation and the complexities involved in dealing with every TPMS system they come in contact with. That’s why we provide a certified training program that includes a technical overview of all TPMS systems, in-house distributor training and in-field jobber training.

We feel strongly that technical training is integral to our mutual success. We support your TPMS business from first contact, all the way through the drive-away of your valuable customer.

Since every car and light truck manufactured after September 1, 2007, has TPMS products that will require replacement, there is really no marketing challenge in convincing your customers. The true challenge lies in educating your customers. We provide specific marketing tools and programs that make it easy for you to start building a TPMS relationship with your customer(s) — one that positions everyone involved to win.