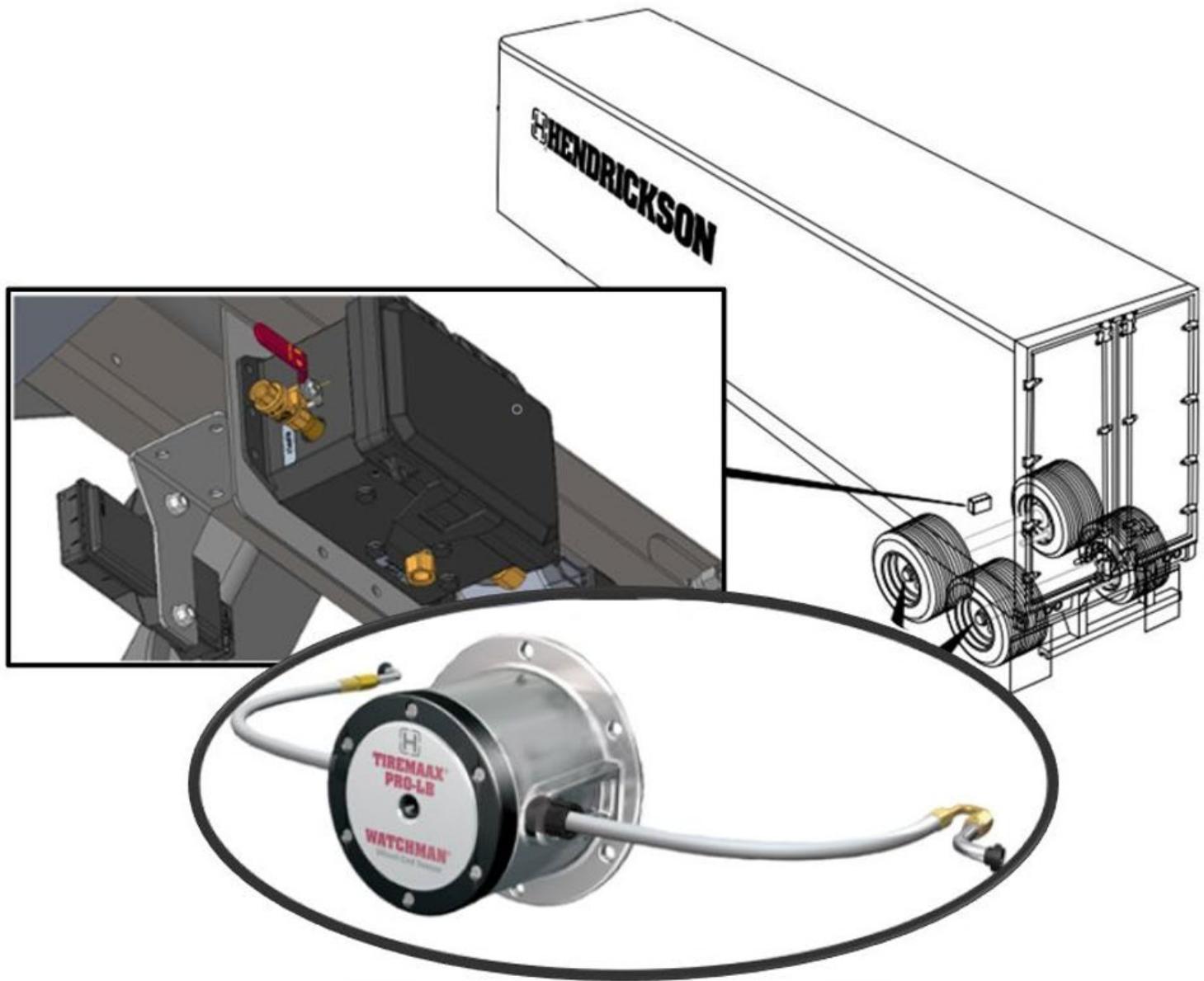



**TECHNICAL
PROCEDURE**
TIREMAAX®
TPMS Sensor**SUBJECT:** Installation and Service Procedures**LIT NO:** T5XXXX**DATE:** September 2024**REVISION:**

**HENDRICKSON**
The World Rides On Us®

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IMPORTANT SAFETY NOTICES

Hendrickson literature number **T12007 Technical Procedure General Safety Precautions and Information**, available at www.Hendrickson-intl.com, includes important preparation, precautionary and safety information pertaining to the procedures included in this document.

To help prevent personal injury and equipment damage; warnings, cautions and other relative statements included in Hendrickson literature number T12007 are to be read carefully and applied during the performance of the procedures included in this document.

Improper maintenance, service or repair can cause damage to the vehicle and other property, personal injury, unsafe operating conditions and potentially void the manufacturer's warranty.

CONVENTIONS APPLIED IN THIS DOCUMENT

This section explains the techniques used in this document to convey important information, safety issues and how to contact Hendrickson.

EXPLANATION OF SIGNAL WORDS

Hazard signal words (such as **DANGER**, **WARNING** or **CAUTION**) appear in various locations throughout this publication. Information accented by one of these signal words must be observed at all times. Additional notes are utilized to emphasize areas of procedural importance and provide suggestions for ease of repair. The following definitions comply with ANSI Z535.6 and indicate the use of safety signal words as they appear throughout the publication.



DANGER Indicates a hazardous situation that, if not avoided, will result in death or serious injury.



WARNING Indicates a hazardous situation that, if not avoided, could result in death or serious injury.



CAUTION Indicates a hazardous situation that, if not avoided, could result in minor or moderate injury.



NOTICE Indicates information considered important, but not hazard-related (e.g. messages relating to property damage).

IMPORTANT: An operating procedure, practice or condition that is essential to emphasize.



Safety Alert Symbol used to indicate a condition exists that, if not avoided, may result in personal injury or harm to individuals. It must be applied to DANGER, WARNING and CAUTION statements, which emphasize severity.

HYPERLINKS

Hyperlinks are identified by a dark grey line under the linked text. Internal links allow the reader to jump to a heading, step or page in this document. External links open the website or document referenced. While viewing electronically, activate the hyperlink by clicking on the underlined text.

CONTACTING HENDRICKSON

Hendrickson Trailer Technical Services must be contacted before performing any warranty related service.

NOTE: DO NOT service a suspension or any component that is under warranty without first contacting Hendrickson Technical Services.

Prior to contacting Technical Services, it is best to have the following information about the vehicle and Hendrickson suspension available (all that apply):

- **Hendrickson suspension information**, (refer to [L977 Suspension and Axle Identification](#))
 - Suspension model number
 - Approximate number of suspension miles
- **TPMS sensor information**
 - Sensor Serial No.
 - APP reference number
- **Trailer information** (located on VIN plate)
 - Type (van, reefer, flatbed, etc.)
 - Manufacturer
 - VIN (Vehicle Identification Number)
 - In-service date¹
 - Fleet/Owner name
 - Unit #
- **Failure information**
 - Description of the system problem, the part number and / or the part description of the reported non-functioning part.
 - Date of failure.
 - Where applicable, location of problem on suspension / trailer (e.g., roadside, front axle, rear axle, curbside rear, etc.)
- **Digital photos** of suspension and damaged areas
- **Special application approval documentation** (if applicable)

¹ If the in-service date is unknown or not available, the vehicle date of manufacture will be substituted



PHONE

Contact Hendrickson Trailer Technical Services directly in the United States and Canada at **866-RIDEAIR (743-3247)**. From the menu, select:

- **Technical Services/Warranty** for technical information.
- Other selections include:
 - **Aftermarket Sales** for replacement parts information and ordering.
 - **Original Equipment Sales** for parts inquiries and ordering for trailer manufacturers.

EMAIL: HTS@Hendrickson-intl.com

Contact Hendrickson for additional details regarding specifications, applications, capacities, operation, service and maintenance instructions.

All applications must comply with applicable Hendrickson specifications and must be approved by the respective vehicle manufacturer with the vehicle in

RELATIVE LITERATURE

If you suspect your version of this or any other Hendrickson manual is not "Up-to-Date", the most current version is free online at:

www.hendrickson-intl.com/literature

Available Hendrickson documentation can be viewed or downloaded from this site. All Hendrickson online documentation are PDF files that require Adobe Acrobat Reader to open. This is a free application downloadable from Adobe's home page (<http://get.adobe.com/reader/>).

Other related literature may include:

NAME	DESCRIPTION
L583	<i>Comprehensive Warranty Statement (US and Canada)</i>
L878	<i>TIREMAAX Parts List</i>
T50018	<i>TIREMAAX Manual Tire Check Decal</i>
T51002	<i>TIREMAAX PRO and CP Tire Inflation Systems</i>
T51006	<i>TIREMAAX PRO-LB</i>
T52003	<i>Toolbox Tip: TIREMAAX Hubcap Clocking</i>
T52004	<i>WES Quick Start Guide</i>

Table 1: Related literature

Additional information and videos are available at: www.hendrickson-intl.com/TIREMAAX

Hendrickson reserves the right to make changes and improvements to its products and publications at any time. Consult the Hendrickson website (www.Hendrickson-intl.com) for the latest version of this manual.

PREPARING TRAILER FOR MAINTENANCE SERVICE

For information on trailer preparation, safety and precautionary statements, refer to Hendrickson literature number **T12007**, available at www.Hendrickson-intl.com



WARNING **DO NOT** work under a trailer supported only by jacks. Jacks can slip or fall over, resulting in serious personal injury. Always use safety stands to support a raised trailer.

SYSTEM OVERVIEW & FEATURES

TIREMAAX® PRO and TIREMAAX® PRO-LB tire inflation systems have the option to include the TPMS sensor. The TIREMAAX TPMS sensor communicates tire pressure and wheel-end temperature to the trailer telematics device(if equipped) and Hendrickson WATCHMAN® service APP. Data is communicated to a phone APP or Wireless Gateway Module (hereby called WGM) via Bluetooth communication.

System components include:

- (2 to 8) TPMS sensors
- (2 to 8) TPMS sensor gasket kits
- (2 to 8) Hubcaps
- (2 to 8) Hubcap Gasket Kits
- (1) Trailer telematics device (Not provided by Hendrickson)



Figure 1: General system communication

Each TPMS sensor measures wheel-end data and reports tire/wheel-end health to the Hendrickson WATCHMAN service app and trailer Telematics device. The TPMS sensor setup and configuration is managed through the WATCHMAN service app.

TIREMAAX™ TPMS Sensor is available for purchase as a pre-paired system for dressed axle(s) or as individual (unpaired) components.

SYSTEM REQUIREMENTS

- Number of axles: 1, 2, 3 or 4 (max)
- Spindle Types: N, P and Extended
- Wheel-end type: Grease
- Tire Inflation System: Hendrickson TIREMAAX PRO or TIREMAAX PRO-LB
- Phone with WATCHMAN™ Service APP
 - Android phone or iPhone device (not provided by [H]) with latest OS version or previous 2 releases
 - Near-Field Communication (NFC)
 - Internet access (Wi-Fi or Cellular)

NOTICE Hendrickson does not provide telematics systems - Telematics system must be installed separately.

Overview - Hubcap

The TIREMAAX TPMS sensor hubcap can be identified by the label on the face. Each hubcap assembly is configured at the factory to match the specific spindle and TIREMAAX system requirements of your application.

- Wirelessly provides wheel-end data, such as tire pressure and wheel-end temperature, to the Wireless Gateway Module on the trailer
- Powered by dual internal batteries with typical 5-year life (not replaceable)

NOTICE WES puck cannot be installed onto an existing hubcap which is not intended for use with the TIREMAAX TPMS sensor.



Figure 2: TIREMAAX TPMS sensor Hubcap (TIREMAAX PRO-LB version shown)

Note that the "A" and "B" ports shown in Figure 2 are important for proper tire location tracing on

the system. It is recommended for consistency that port "A" is used for the outer tire in a dual tire scenario, or is the port used in a super single scenario.

PHYSICAL INSTALLATION

Installation of the TIREMAAX TPMS SENSOR system can be done on new or existing TIREMAAX PRO & PRO-LB systems. For application and installation questions, contact Hendrickson – see page 3 and page 4 for contact information.

Before starting TIREMAAX TPMS SENSOR installation, ensure the trailer is already equipped with a TIREMAAX PRO or TIREMAAX PRO-LB control system. Refer to T51002 (Technical Procedure – TIREMAAX PRO and CP Tire Inflation Systems) or T51006 (Technical Procedure – TIREMAAX PRO-LB).

For new installations of the TIREMAAX TPMS SENSOR system, the scope of work will include:

- Install TIREMAAX TPMS SENSOR Hubcaps
- Activate TIREMAAX TPMS sensor using Watchman Service APP
- Assign Wheel End location using Watchman Service APP
- Assign Tire Type(Dual/SS) using Watchman Service APP
- If applicable, connect TIREMAAX TPMS sensors to Wireless Gateway Module(Not Supplied by Hendrickson)
 - Unique Bluetooth MAC address encoded in a QR code located on each TIREMAAX TPMS sensor
 - Gateway or Telematics supplier may require scanning the QR code

If retrofitting a trailer with an existing TIREMAAX PRO or TIREMAAX PRO-LB system, the scope of work will also include:

- Replace TIREMAAX system hubcaps with ones intended for TIREMAAX TPMS SENSOR.

Wheel-end

Tools Needed

- 3/8" & 7/16" wrench
- 1/2" socket w/ driver & torque wrench

Installation

IMPORTANT: Once installed, DO NOT remove hubcap. To protect warranty on Hendrickson dressed axles, skip to TIRE HOSE INSTALLATION on page 9.

CONTACT HENDRICKSON Technical Services on Page 3 and page 4 before removing any Hendrickson assembled wheel-end

components.

Three basic hubcap types are available. See table below. Hubcap installation is the same for each.

SPINDLE TYPE	HUBCAP
HN	HN
HP	HP
HP with castle nut system	HP extended

Table 2: Basic hubcap types

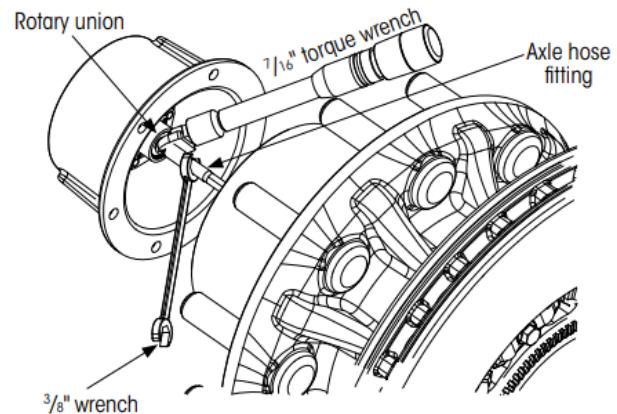


Figure 3: Hubcap to axle hose connection

INSTALLATION AND SERVICE PROCEDURES



To install the hubcap:

1. Draw just enough axle hose out from center of spindle to attach axle hose fitting to the rotary union inside the hubcap (Figure 3)
2. Place hubcap gasket over axle hose for later positioning.

NOTE: Shaft has pre-applied dry thread locker. Loctite® or other thread locking compound is not required.

3. Hand thread rotary union onto axle hose fitting. DO NOT rotate axle hose fitting.
4. Using a 3/8"-wrench to prevent rotation of the axle hose fitting, (Figure 3) tighten the rotary union shaft to 50 ± 5 in-lbs (5.7 ± 0.6 Nm) of torque

NOTE: "A" and "B" ports shown in Figure 4 are important for proper tire location tracing on the TIREMAAX TPMS SENSOR system. It is recommended for consistency that port "A" is used for the outer tire in a dual tire scenario, or is the port used in a super single scenario.

5. Place two opposing bolts in hubcap and align gasket to bolts
6. Orient hubcap for proper tire hose routing. Aligning the tire hose port so they are BETWEEN two wheel mounting studs will generally provide the best tire hose routing – Figure 5.
 - A. Ensure hubcap is clocked to aim tire hose ports between wheel studs
 - B. Clock wheels to align valve stem with hubcap tire hose port(s). If duals, align inner wheel (straight hose) first
7. Install all hubcap bolts and hand tighten
8. Tighten hubcap bolts in the order shown in Figure 4 to 15 ± 3 ft-lbs (20 ± 4 Nm) of torque
9. Repeat procedure for each wheel-end

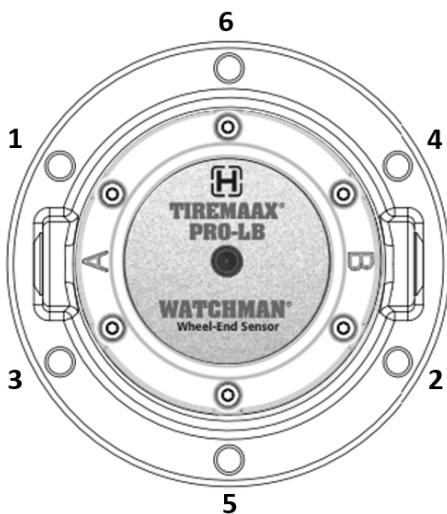


Figure 4: Hubcap torque pattern

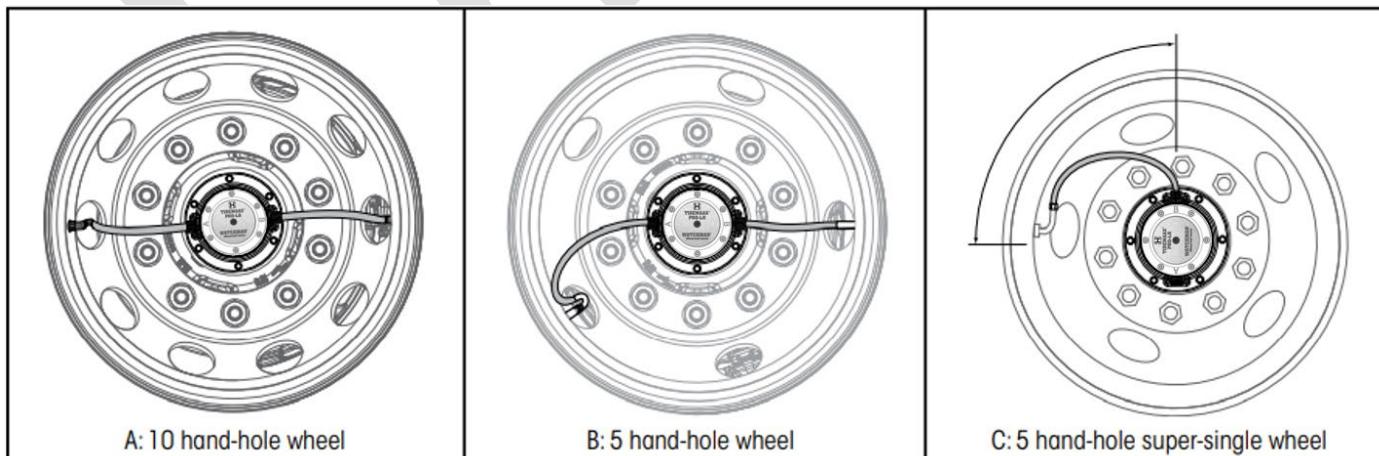


Figure 5: Properly clocking hubcap to wheels

Tire Hose Installation

Tire hoses connect the hubcap to the valve stem on the tire.

NOTICE During installation and operation, NO PART OF THE TIRE HOSE CAN EXTEND LATERALLY BEYOND THE HUBCAP.

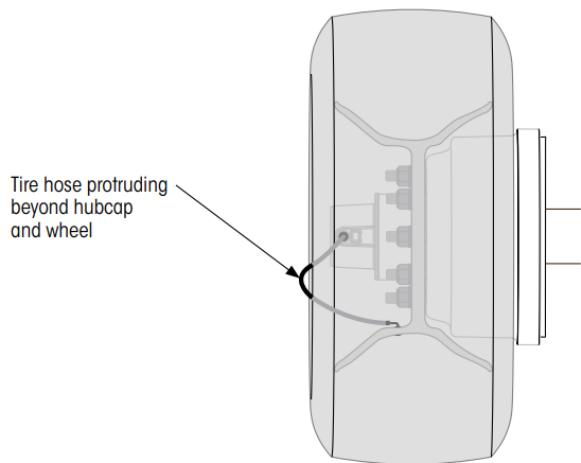


Figure 6: Improper tire hose installation (super single shown)

This procedure applies to both dual and super single installations and assumes the wheel is off during the WES hubcap installation. If wheel is on and properly clocked, go to Step 2.

1. Using two lug nuts, mount wheel on hub with the rotation clocked for best tire hose placement (Figure 5 on page 8).

NOTICE The wheel must be properly “clocked” to the hubcap to prevent the hoses from rubbing on the wheel and extending beyond hubcap and wheel.

2. Remove nylon port plugs from hubcap tire hose ports using a Torx T45 driver and discard. For single tire applications remove one plug. For dual tire applications, remove both plugs.
3. Attach the tire hose(s) directly to the tire valve stem(s). DO NOT use valve stem extenders.
4. Tighten the tire hose / valve stem connection finger tight (Figure 7).

5. Using a 7/16" wrench, tighten the tire hose / valve stem connection an additional on-half turn (Figure 7). DO NOT overtighten this connection.

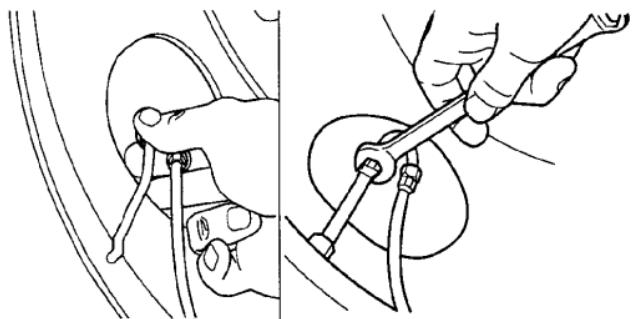


Figure 7: Attaching tire hoses to tire valve stem

NOTE: If using a torque wrench, tighten to 28 ± 2 in-lbs (3 ± 0 Nm) of torque.

6. Ensure hose connections are tight enough that when moving the hose back and forth, it does not cause the connection to move.

IMPORTANT: When starting nut, hold tire hose with free hand to prevent side loading and avoid cross threading. The knurled nut should easily turn 3 to 4 rotations by hand. Any drag before 3 turns suggests cross threading.

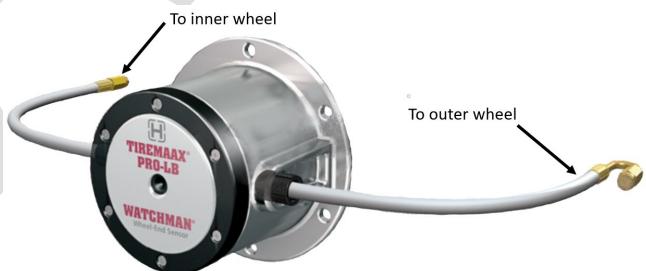


Figure 8: Dual tire hose to hubcap connection(s)



Figure 9: Super-single tire hose to hubcap connection

7. Loosely connect other end of tire hose(s) (Figure 8 and 9 on page 9) to the outlet port of the hubcap and check to ensure hose(s) do not rub on the wheel or extend beyond the hubcap and wheel.

If not:

- A. Disconnect tire hose(s) at hubcap only
 - B. Remove lug nuts and wheel
 - C. Adjust clocking of wheel, then repeat Step 1 through Step 5 on page 9 as needed.
8. Once properly clocked, install remaining lug nuts and tighten all to manufacturer's specifications.
 9. Hand-tighten hubcap connection(s) from Step 7. Using pliers, carefully and gently verify the hose connection is tight.

NOTICE DO NOT overtighten the knurled tire hose nut or damage knurled finish. Doing so will make tire hose removal extremely difficult for service requirements

10. Repeat procedure for remaining wheel-ends

Tire Hose Installation Tips

1. Route tire hoses inside rim area.
2. To further restrain tire hoses within rim area and take up slack, "clock" wheel rotation relative to hubcap position.
3. Properly orient valve stem to ensure tire hoses do not contact wheel during operation.
4. For dual wheel configurations, proper clocking is particularly important since the two wheels (inner and outer) must be properly oriented, with valve stems on opposite sides, for proper installation.
5. Super single wheels require only one tire hose. Positioning the hubcap port 90° from the valve stem provides optimum fit. The unused port will remain plugged.

REPLACEMENT PROCEDURES

This procedure applies to the physical replacement of TIREMAAX TPMS SENSOR components.

Potential Tools Needed

- 3/8" & 7/16" wrench
- 1/2" socket w/ driver & torque wrench

WES Replacement (Figure 26)

NOTICE TIREMAAX system will need to be turned off before starting the below steps

1. Remove the (6) IP20 torx screws from the top of the WES
2. Remove old WES puck from hubcap
3. Remove (2) O-rings within hubcap
4. Remove old WES gasket - WES gasket may stick to hubcap. Gasket MUST be fully removed from the hubcap surface

NOTICE Any old gasket remanence must be carefully removed from the top hubcap surface. Ensure not to scratch or mar this surface in the removal process. This is all important to ensure new WES and gasket seal adequately.

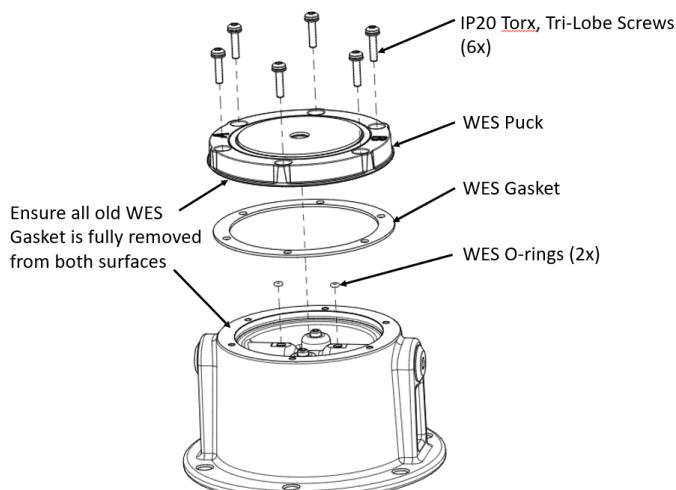


Figure 26: Hubcap WES components replacement

5. Install (2) new O-rings within hubcap

NOTE: It is recommended that a SMALL FILM of grease is applied to the O-rings to help ensure they don't fall out of the gland during install

6. Install new gasket and WES puck – orient WES as shown in Figure 27



Figure 27: WES Port A & B orientation to hubcap

NOTE: "A" and "B" ports shown in Figure 26 are important for proper tire location tracing on the TIREMAAX TPMS SENSOR system. It is recommended for consistency that port "A" is used for the outer tire in a dual tire scenario, or is the port used in a super single scenario.

7. Torque all (6) IP20 torx screws to 45 in-lbs in sequence shown in Figure 28 on page 18

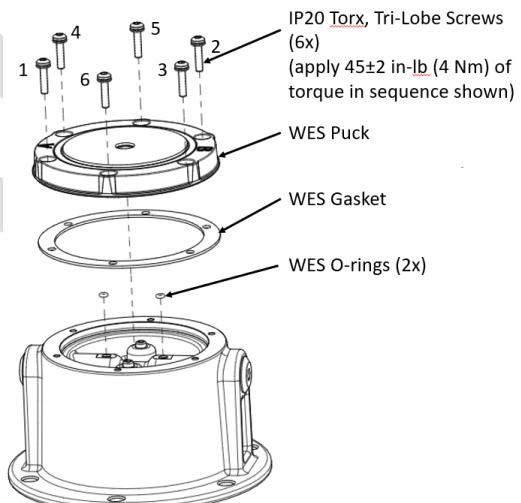


Figure 28: Hubcap WES components installation

8. Perform leak check on replaced WES unit by activating TIREMAAX system to pressurize the hubcaps. Ensure no audible sound of air is coming from the replaced WES and no air is escaping from axle vent. Also, will want to verify proper function through the Watchman Service APP after following the procedures of commissioning and pairing the system on page 18

INSTALLATION AND SERVICE PROCEDURES



WES with Hubcap Replacement (Figure 30)

1. Take note of the old hubcap clocking in relation to the wheel valve stems before starting hubcap removal – this is important for proper tire hose fit after reinstalling
2. Remove tire hoses
3. Remove the (6) $\frac{1}{2}$ " hex hubcap bolts from the old hubcap

NOTE: Removing the hubcap from the hub may require a $\frac{1}{4}$ " Allen to unthread tamper-resistance bolt

4. Unthread rotary union from axle hose

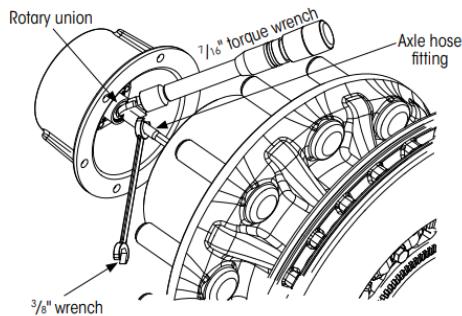


Figure 29: Hubcap to axle hose connection

5. Remove hubcap gasket and any remanence from the top hub surface

NOTICE Any old gasket remanence must be carefully removed from the top hub surface. Ensure not to scratch or mar this surface in the removal process. This is all important to ensure new hubcap and gasket seal adequately. Refer to Figure 26 on page 16.

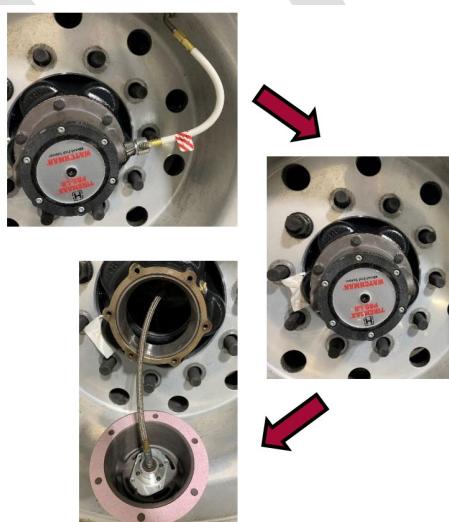


Figure 30: Hubcap removal steps

6. Repeat steps 1-9 from Hubcap Installation page 8
7. Repeat the steps and tips listed for tire hose installation on page 9 and page 10
8. Perform leak check on replaced hubcap unit by activating TIREMAAX system to pressurize the hubcaps. Ensure no audible sound of air is coming from the replaced hubcap and no air is escaping from axle vent. Also, will want to verify proper function through the Watchman Service APP after following the procedures of commissioning and pairing the system on page 18 or page 19

SETTING UP / USING THE SYSTEM

This procedure applies to the general software set-up for TIREMAAX TPMS SENSOR component new and replacement scenarios.

Tools Needed – Android phone or iPhone device (not provided by [H]) required for use with Watchman Service App. Requires latest OS version or previous 2 releases.

NFC (NEAR FIELD COMMUNICATION) capability required.

Commission/Pairing System for First Time

Ensure all TIREMAAX TPMS sensor hubcaps are installed onto each of the proper wheel locations. Once the physical installation is verified, follow the general steps listed below. **Refer to the WATCHMAN Service App User Guide for more detailed steps.**

1. Open Watchman Service APP (User Account required to change settings)
2. From TPMS menu, select “Configure a Sensor”
3. NFC scan each TIREMAAX TPMS sensor to connect and configure it (See Figure 32)
Note: An NFC scan activates the sensor and takes it out of “Shipping” mode
4. Assign wheel location while connected to each TIREMAAX TPMS sensor
5. Assign Tire Type (Dual/SS) for port A/B settings
6. Wait until each sensor shows as “Connected-Online”

NOTICE Refer to the Troubleshooting guide starting on Page 15 if have issues with any of the above steps

7. If applicable, connect TIREMAAX TPMS sensors to Wireless Gateway Module(Not Supplied by Hendrickson)
 - a. Unique Bluetooth MAC address encoded in a QR code located on each TIREMAAX TPMS sensor
 - b. Gateway or Telematics supplier may require scanning the QR code on each TPMS Sensor
8. Perform system final check following System Final Check / Validation section on page 20

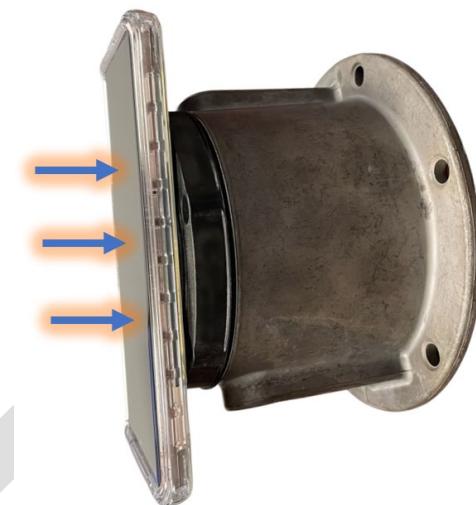


Figure 32: NFC Scan – place phone fully against WES as shown until App shows successful scan

INSTALLATION AND SERVICE PROCEDURES

TIREMAAX TPMS sensor (Replacement)

Ensure all TIREMAAX TPMS sensor hubcaps are installed onto each of the proper wheel locations. Once the physical installation is verified, follow the general steps listed below based on the appropriate scenario

Sensor Replacement

1. Open Watchman Service App (User Account required to change settings)
2. From TPMS menu, select "Configure a Sensor"
3. NFC scan each TIREMAAX TPMS sensor to connect and configure it (See Figure 32)
Note: An NFC scan activates the sensor and takes it out of "Shipping" mode
4. Assign wheel location while connected to each TIREMAAX TPMS sensor
5. Assign Tire Type (Dual/SS) for port A/B settings
6. Wait until each sensor shows as "Connected-Online"

Note: Wireless Gateway Module (Not by Hendrickson) may require configuration changes for replacement

TIREMAAX TPMS sensor

SYSTEM FINAL CHECK / VALIDATION

Verify WATCHMAN Service App Connection to TIREMAAX TPMS sensors

1. Refer to Service App User Guide for detailed APP usage
2. Health Check to verify TIREMAAX TPMS sensor communication
 - a. Log-in to the APP
 - b. From top TPMS menu, select 'Health Check'
 - c. Select saved Trailer/Asset
 - d. Verify all boxes within the menu are green and are displaying values - if values are not displayed or there's a system issue, the problem box will be red
3. If issues occur during the health check steps listed above, refer to the Troubleshooting section starting on page 22

TROUBLESHOOTING

Symptom: User is unable to Log in to Hendrickson WATCHMAN Service App

Probable Cause(s):

1. Device running WATCHMAN Service App does not have an Internet connection
2. User Does not have WATCHMAN Service App login/password setup
3. User has WATCHMAN Service App account but unable to login

Troubleshooting Steps:

1. Ensure device has internet service
2. Ensure Hendrickson WATCHMAN Service App is downloaded from the Play Store App or APP Store
3. Create User Account
4. Verify correct login information (reset password if required)
5. Close App, retry login
6. Ensure latest version of the APP is installed
7. Contact Hendrickson Service (contact information shown in APP)

Symptom: Unable to connect to TIREMAAX TPMS Sensor (NFC)

Probable Cause(s):

1. Incorrect Phone Settings (NFC not turned on)
2. No NFC response from TPMS sensor (distance)
3. TIREMAAX TPMS sensor battery is dead
4. TIREMAAX TPMS sensor NFC function has failed

Troubleshooting Steps:

1. Ensure device settings are configured per below:
 - a. Device has Internet service
 - b. NFC is Enabled
- 2.
3. Move the device around so a different area of the device is contacting the sensor
 - a. It may be necessary to try multiple device positions depending on NFC antenna location
4. If APP indicates TIREMAAX TPMS sensor not responsive, replace TIREMAAX TPMS sensor

INSTALLATION AND SERVICE PROCEDURES



Symptom: Unable to monitor TIREMAAX TPMS sensor

Probable Cause(s):

1. Incorrect Phone Settings
2. User not logged in with an authenticated account
3. TIREMAAX TPMS sensor not activated via NFC(see previous page)
4. Low or no signal from TIREMAAX TPMS sensor (distance or interference)
5. TIREMAAX TPMS sensor battery is dead

Troubleshooting Steps:

1. Ensure device settings are configured per below:
 - a. Device has Internet service
 - b. Bluetooth is enabled
2. Login to WATCHMAN Service App using authenticated user account
3. Maintain close distance to TIREMAAX TPMS sensor
4. If APP indicates TIREMAAX TPMS sensor not responsive, replace TIREMAAX TPMS sensor

Symptom: Unable to change TIREMAAX TPMS sensor wheel end position

Probable Cause(s):

1. Incorrect Phone Settings (NFC not turned on)
2. User not logged in with an authenticated account
3. Low or no signal from TIREMAAX TPMS sensor (distance or interference)
4. TIREMAAX TPMS sensor battery is dead
5. TIREMAAX TPMS sensor NFC function has failed

Troubleshooting Steps:

1. Ensure device settings are configured per below:
 - a. Device has Internet service
 - b. NFC is Enabled
2. Login to WATCHMAN Service App using authenticated user account
3. Maintain close distance to TIREMAAX TPMS sensor
4. If APP indicates TIREMAAX TPMS sensor not responsive, replace TIREMAAX TPMS sensor



Symptom: Unable to change port setting (disable port for Super Single tire)

Probable Cause(s):

1. Incorrect Phone Settings (NFC not turned on)
2. User not logged in with an authenticated account
3. Low or no signal from TIREMAAX TPMS sensor (distance or interference)
4. TIREMAAX TPMS sensor battery is dead
5. TIREMAAX TPMS sensor NFC function has failed

Troubleshooting Steps:

1. Ensure device settings are configured per below:
 1. Device has Internet service
 2. NFC is Enabled
2. Login to WATCHMAN Service App using authenticated user account
3. Maintain close distance to TIREMAAX TPMS sensor
4. If APP indicates TIREMAAX TPMS sensor not responsive, replace TIREMAAX TPMS sensor

Symptom: User interface (Telematics Dashboard) shows no data from TIREMAAX TPMS sensor

Probable Cause(s):

1. TIREMAAX TPMS sensor not configured using WATCHMAN Service APP
2. TIREMAAX TPMS sensor battery is dead
3. Telematics device or gateway module (Not by Hendrickson) not communicating

Troubleshooting Steps:

1. Follow steps for configuring/enabling TIREMAAX TPMS sensor using Watchman Service APP
2. If APP indicates TIREMAAX TPMS sensor not responsive, replace TIREMAAX TPMS sensor
3. If all TIREMAAX TPMS sensors are shown good in the Mobile APP, then contact Telematics provider



INSTALLATION AND SERVICE

NOTES: _____

FCC and Canada ISED Statements

NOTICE:

This device complies with Part 15 of the FCC Rules and contains license-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS standard(s).

Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence.

L'exploitation est autorisée aux deux conditions suivantes:

- (1) l'appareil ne doit pas produire de brouillage, et
- (2) l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Radiofrequency radiation exposure Information:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance of 20 cm (8 in.) between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

NOTICE:

Changes or modifications made to this equipment not expressly approved by Hendrickson may void the FCC authorization to operate this equipment.



Actual product performance may vary depending upon vehicle configuration, operation, service and other factors.

Call Hendrickson at *866.RIDEAIR (743.3247)* for additional information.



www.hendrickson-intl.com

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