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RAIL

SERVICE BULLETIN MAINTENANCE OF WAY EQUIPMENT

DATE: 4-2017

BULLETIN NO: 17-005

TITLE: Wheel Modification Groups with Schrader EZ-Sensor TPMS

RATING:

<input type="checkbox"/>	DIRECTIVE (Action Is Required)	<input type="checkbox"/>	ALERT (Potential Problem)
<input type="checkbox"/>	INFORMATION (Action Is Optional)	<input checked="" type="checkbox"/>	PRODUCT IMPROVEMENT (Enhance Product)

PRODUCT SERIES / MODEL: Wheel Modifications for HY-RAIL® Equipment

SERIAL NO: N/A

SUMMARY: Harsco Rail has begun using Schrader EZ-Sensor Model 33500 Tire Pressure Monitoring Sensor (TPMS) in our Wheel Modification Groups for HY-RAIL® Equipment. This sensor is a programmable / re-programmable TPMS that will work with various vehicle models. Because of this, the sensor must be programmed prior to installation and use. If not programmed, the vehicle will not register the TPMS properly.

Harsco Rail is making users aware via this Service Bulletin of the new sensor being supplied in HY-RAIL® equipment wheel modification kits and replacement parts. Information is provided on the proper TPMS tool required to program and activate the sensors. Also included is information regarding where to take the sensors if the customer is not able to program the sensors themselves.

OPERATIONAL IMPACT: If the TPMS are not programmed correctly, they will not properly sync with the vehicle TPMS system.

ACTION: Harsco Rail recommends that approved HY-RAIL® guide wheel equipment repair facilities obtain and keep up to date TPMS programming tools per this bulletin or use a tire shop that utilizes a like tool capable of properly programming Schrader EZ Sensors.

CONTACT: If you have any questions or if we can be of any service, please contact:
HY-RAIL® Parts Sales: (507) 235-7143
HY-RAIL® Service: (507) 235-7137

SAFETY INFORMATION

- **FOLLOW APPLICABLE RAILROAD LOCKOUT - TAGOUT PROCEDURES TO DISABLE ENERGY SOURCES WHEN PERFORMING MAINTENANCE, MAKING ADJUSTMENTS OR REPAIRS TO THE VEHICLE OR EQUIPMENT. FAILURE TO HEED THIS WARNING COULD RESULT IN SEVERE BODILY INJURY.**

Service Bulletin Instructions - See Figures 1, 2 and 3

1. The Schrader EZ-Sensor TPMS can be programmed for use on several vehicle models. Because of this, the sensor must first be programmed for the correct vehicle model utilizing a TPMS Programming tool (compatible tools are shown in Figure 3).
2. Harsco Rail recommends using the Barteq Tech400Pro or Ateq VT-56 model programming tools. These tools are the most complete for programming, installing, and diagnosing TPMS issues. They also are the most commonly updated for the latest vehicles.
3. If the vehicle has Aluminum Weld Racing rims, the standard 0.453" rubber valve stem provided will work.
4. If the vehicle has Steel Accuride rims, the valve stem must be replaced with the 0.625" metal valve stem provided. Remove the T-10 screw and the rubber valve stem. Install the 0.625" metal valve stem in place of the rubber stem and tighten the screw to 11.5 in-lbs, being careful to not damage the sensor.
5. While the sensor could be programmed or re-programmed after the tire is installed on the rim, it is recommended to program the sensor before installing. Utilizing the proper TPMS Program tool, place the sensor in front of the programming end of the program tool. Go to the EZ-Sensor programming section of the tool and follow the on-screen instructions to program the sensors for your vehicle.
6. If you do not have and are unable to obtain the proper TPMS Program tool, Harsco Rail recommends taking the sensors to a tire shop that is capable of programming the sensor. Discount Tire has nationwide facilities that are capable of programming the EZ-Sensor.
7. Schrader has instructional videos located on the below link for many of the approved tools:
<https://www.youtube.com/user/SchraderInnovation/videos>
8. Once the sensor has been programmed, install the TPMS sensor into the rim. Then mount and balance the tires to the rims. Next follow the OEM specified Re-Learn procedure for the vehicle to sync the new TPMS sensors (The Tech400Pro and VT-56 have these procedures provided within the tool).

Service Bulletin Instructions

FIGURE 1
SCHRADER EZ-SENSOR 33500
WITH 0.453" RUBBER VALVE STEM
HARSCO RAIL # 5070172
SENSOR AND VALVE STEM AS SHOWN IS
USED WITH ALUMINUM WELD RACING RIMS



FIGURE 2
0.625" METAL VALVE STEM
HARSCO RAIL # 5070171
METAL STEM REPLACES RUBBER STEM
AS SHOWN IN FIGURE 1 ABOVE
USED WITH STEEL ACCURIDE RIMS



FIGURE 3
EZ-SENSOR TOOL COMPATIBILITY

▶▶ PROGRAM EZ-SENSOR WITH ANY OF THESE TPMS TOOLS

- * Not updateable to program 33500
- ** Ask your tool supplier for 33500 programming capability



COMPLETE COVERAGE

CUSTOMER SERVICE & ORDERS	ATEQ t//704.999.3839 e//tpms@atequsa.com	BARTEC t//1.855.877.9732 e//help@BartecUSA.com	SCHRADER t//1.800.288.1804 e//aftermarketserviceNA@schraderintl.com
TECHNICAL SUPPORT	ATEQ (8AM-11PM, 7 days a week) t//1.888.621.TPMS (8767) e//tpms@atequsa.com	BARTEC (M-F, 8AM-8PM EST) t//1.855.407.TPMS (8767) e//sales@bartecusa.com	SCHRADER (M-F, 8AM-8PM EST) t//1.800.288.1804 e//aftermarketsupportNA@schraderintl.com
TRAINING	For more information and to schedule a TPMS training session with one of our TIA ATS certified trainers: Training@SchraderIntl.com		
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306 West 4th Street
Fairmont, MN
56031-1837
Tel: (507) 235-7376
Fax: (507) 235-7372

401 Edmund Road, Box 20
Cayce-West Columbia, SC
29171-0020
Tel: (803) 822-9160
Fax: (803) 822-7403

200 South Jackson Road
Ludington, MI
49431
Tel: (231) 843-3431
Fax: (231) 843-1644

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