



Countries: CANADA, UNITED STATES
Availability: ISIS, FleetISIS, Body Builder, IsSIR
Major System: CAB / SLEEPER / HOOD
Current Language: English
Other Languages: NONE
Viewed: 3724

Document ID: IK1600260
Revision: 8
Created: 11/30/2020
Last Modified: 11/16/2023
Author: Sean McGannon

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Coding Information

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Title: 16VLS, 16VUY, 16VVA, 16VVM and 16VUZ Tire Pressure Monitoring System (TPMS)

Applies To: LT, RH, Lonestar, HV, HX, and MV models with features 16VLS, 16VUY, 16VVA, 16VUZ, or 16VVM

CHANGE LOG

Please refer to the change log text box below for recent changes to this article:

11/16/2023 - Edited title and applies to section to include all features and models with Navistar TPMS system.
04/24/2023 - Added auto learn information.
01/13/2023 - Removed Gen 2 note now that DLB programming is available. Fixed formatting in tools list.
07/07/2022 - Updated article title
06/10/2022 - Added feature 16VVM to Gen 2 note.

DESCRIPTION

The 16VLS, 16VUY, 16VVA, 16VVM, and 16VUZ Tire Pressure Monitor Systems provide warnings when the tire pressure is out of the desired range or the tire temperature is too high.

The system monitors the temperature compensated tire pressure of each wheel.

Tire pressure information is displayed, in the Cluster LCD display, for 4x2, 6x4, 6x6, and Super Single axle Configurations.

Does Not Include monitoring for lift axles, spare wheels, or trailer wheels.

All system programming is accomplished using the TPMS Programming selection found, under the Tool Tab, in the Diamond Logic Builder (DLB) software.

If more than one TPMS sensor or repeater is replaced the new sensor IDs will have to be programmed to the correct location using DLB. If a wheel/TPMS sensor changes position on the truck you will have to use DLB to move the sensor ID to the new location for the TPMS information in the cluster to be accurate.

If only one sensor is replaced the system can automatically learn the new sensor ID and its location after driving the truck over 20MPH for at least 10 minutes.

Use the [TPMS Service Information](#) link under the PROCEDURE title header to access the [TPMS Service Information](#). This information is also available in the technician manual for the applicable vehicle models.

SYMPTOM(s)

Diagnostic Trouble Code(s) & Dashboard Indicator Light(s):

DTC/Light	Description
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51-SPN 2000 FMI 9	Loss of Data Link from ECM
51-SPN 2051 FMI 12	Failure of NVM
51-SPN 241 FMI 17	Low Tire Pressure
51-SPN 241 FMI 18	Extremely Low Tire Pressure
51-SPN 241 FMI 15	High Tire Pressure
51-SPN 242 FMI 15	High Tire Temperature

Customer Observations or Concerns:

Warning Indication in Cluster

Audible Alarm from Cluster

SPECIAL TOOL(s) / SOFTWARE

Tool Description	Tool Number	Comments	Instructions
Diamond Logic® Builder		EZ-Tech Software	
J1939 Interface Cable		RP1210A Compliant Interface	

[Tools Resource Center](#)

SERVICE PARTS INFORMATION

Please refer to the parts catalog

PROCEDURE

Use the link below to open the service information guide:

[TPMS Service Information](#)

WARRANTY INFORMATION

Warranty Claim Coding:

Refer to the [Warranty Coding Manual](#) for Group and Noun Codes.

Standard Repair Time(s):

Refer to the [SRT Manual](#) for Repair Times

OTHER RESOURCES

[Master Service Information Site](#)



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