



NGDV – Technical Bulletin

Title: Oshkosh Diagnostic Tool (OKDT) Release
11/13/2025

Number: NGDVTB006

Revision: A

Classification: Highly Restricted

Exceeding Customer Expectations through Continuous Improvement



NGDV Technical Bulletin

Oshkosh Diagnostic Tool (OKDT) Release Note

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INTRODUCTION

Initial Concern

A new version of the Oshkosh Diagnostic tool, 2.5.0, will be released on Thursday, November 13, 2025. This will contain new and modified functionality. This bulletin is to make users aware of these changes and new functionality.

Suspect Population

All ICE and BEV NGDV's

Procedure and Material List

See process outlined below.

Frequently Asked Questions

Q: What are the major changes associated with this release?

A: There are several changes to the OKDT 2.5.0 release that will be noticed by the user.

- Consolidation of ECU Replacement and ECU Reprogramming into ECU Reprogramming/Replacement
- Rewording of DTC status, from Active DTCs with Engine Light On, to Active DTCs with Warning Light On.
- Session report addition
- D-PDU interface addition as part of the OKDT installation package

REWORK TOOLS AND MATERIAL LIST

Tools

- No tools required

Consumables

- No consumables required

Personnel Requirements

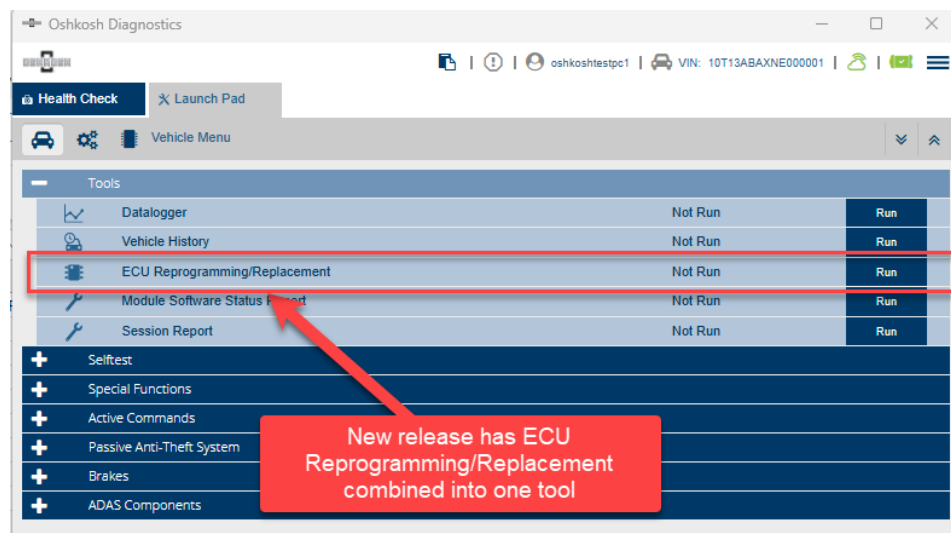
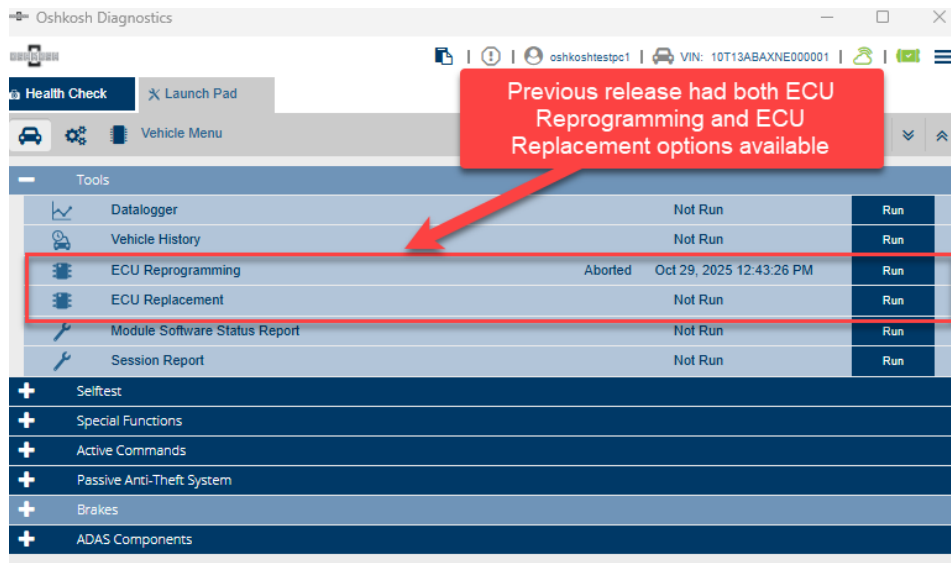
- None

PROCEDURE

Changes to Oshkosh Diagnostic Tool Version 2.5.0

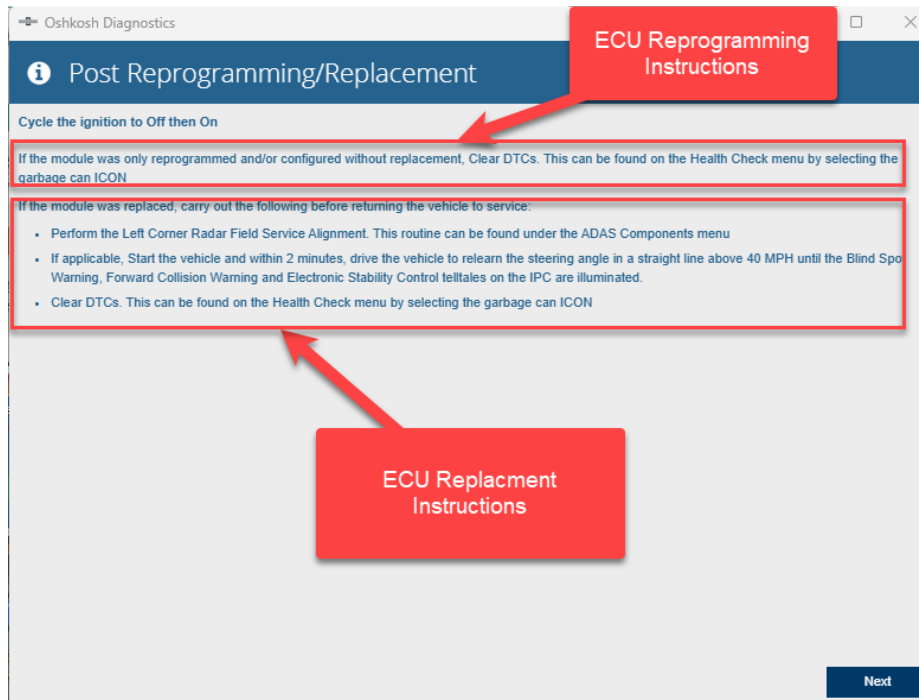
ECU Reprogramming/Replacement

Previously ECU Replacement and ECU Reprogramming were separate menu items under the Tools menu. With this release, these menu items have been consolidated into one tool to eliminate confusion when to run one tool or the other.



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In addition to the combination of ECU Reprogramming/Replacement into one tool, post reprogramming/replacement screens have been modified to identify what additional steps should be taken depending on which action is taken - ECU reprogramming only or ECU replacement.



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Health Check display of Active DTCs

Active DTCs that enable a warning message or telltale on the instrument cluster will now display in the Health Check status column as “Active DTCs with Warning Light On”. Previously this was displayed as “Active DTCs with Check Engine Light On”.



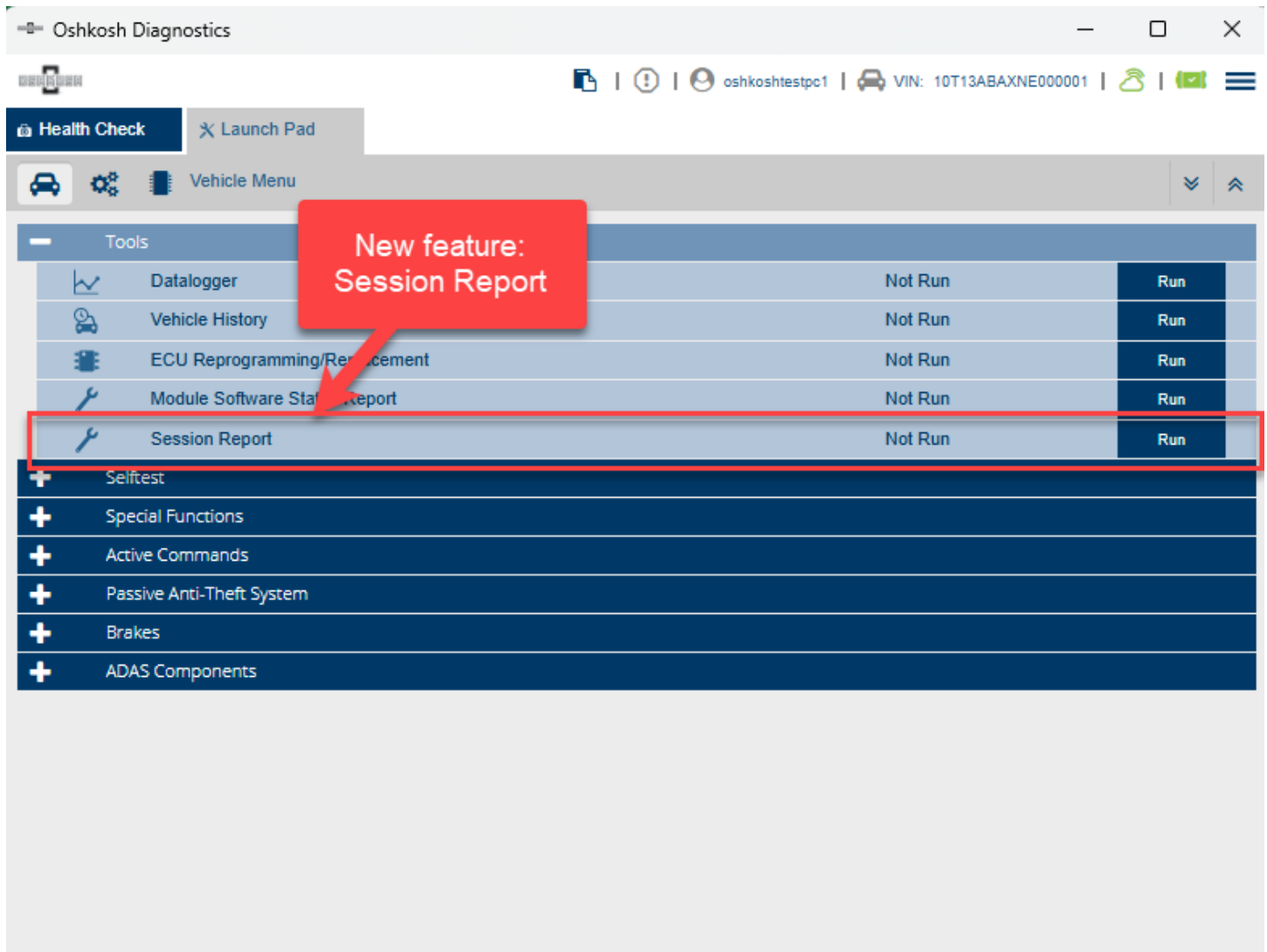
Module	Code	Description	Status
BCM	U0151-87	Lost Communication With Restraints Control Module - Missing Message	Active DTCs with Warning Light On
BCM	U0155-87	Lost Communication With Instrument Panel Cluster (IPC) Control Module - Missing Message	Historic
BCM	U0212-87	Lost Communication With Steering Column Control Module - Missing Message	Historic
BCM	U2100-00	Initial Configuration Not Complete	Active DTCs with Warning Light On
BCM	U2101-00	Control Module Configuration Incompatible	Active DTCs
DCDC	U1507-F3	Error Frame Cluster_Info - Frame Time Out Error	Active DTCs
DCDC	U150C-F3	Global Time Out Error - Frame Time Out Error	Active DTCs with Warning Light On
GSM	P166B-00	Drivers Door Status Correlation	Active DTCs
GSM	U0100-00	Lost Communication With ECM/PCM "A"	Active DTCs with Warning Light On
GSM	U0100-87	Lost Communication With ECM/PCM "A" - Missing Message	Historic
GSM	U0140-00	Lost Communication With Body Control Module	Active DTCs
GSM	U0155-00	Lost Communication With Instrument Panel Cluster (IPC) Control Module	Active DTCs
PSCM	U2100-00	Initial Configuration Not Complete	Active DTCs
PSCM	U3001-68	Control Module Improper Shutdown Performance - Event Information	Historic

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Addition of Session Report

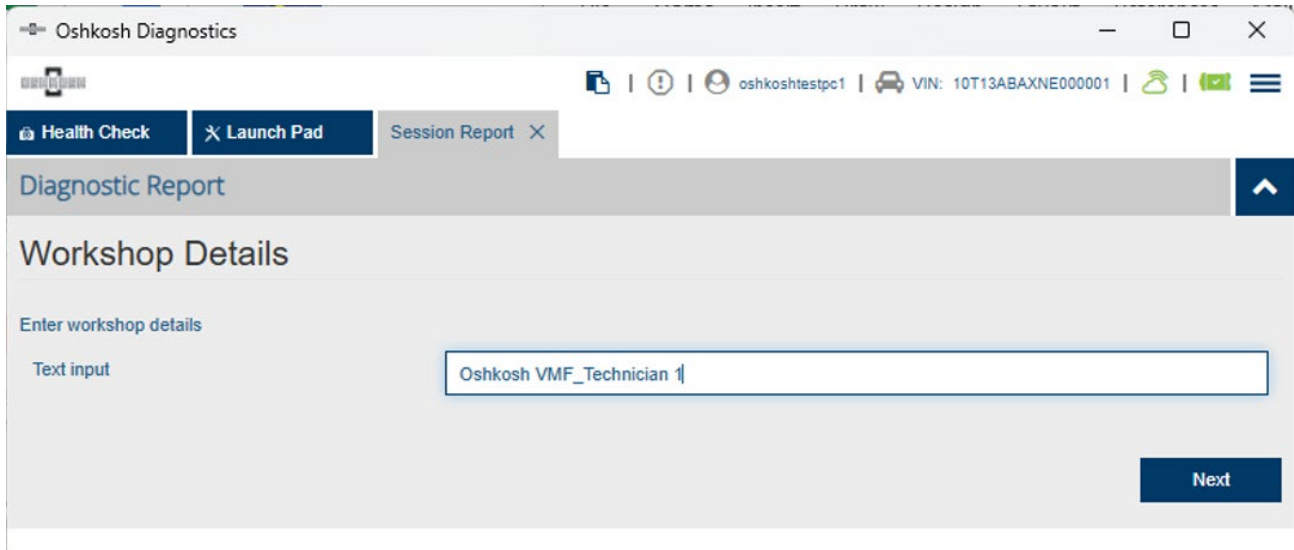
A session report has been added to the Tools section. This feature will allow a technician to review/save/print the session information from the current vehicle session for use with warranty claims, vehicle history, or remote diagnostic sessions. This report will retain all vehicle diagnostic state information along with steps taken by a technician while using the tool.

1. Click the Session Report option under “Tools” in the Quick Start Menu.

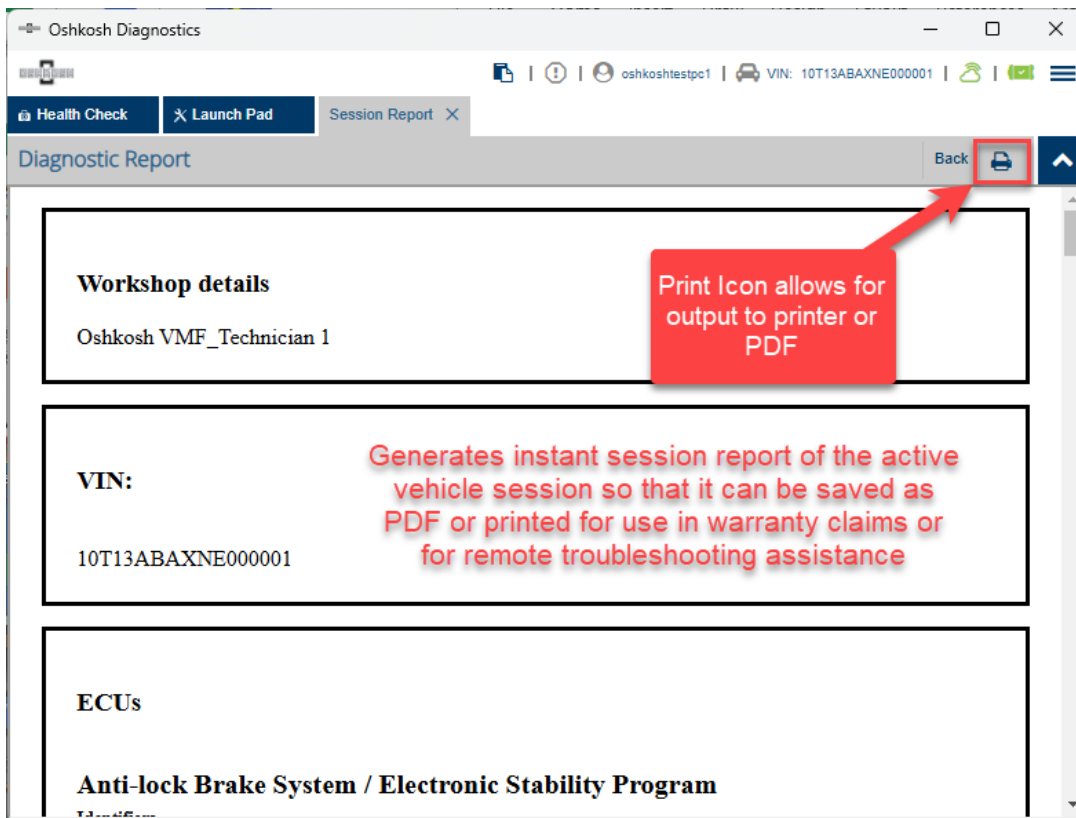


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2. This view will appear. Enter Relevant Text in the Text Input Field and hit Next.



3. To export the Session Report to a PDF, click the Printer Icon.

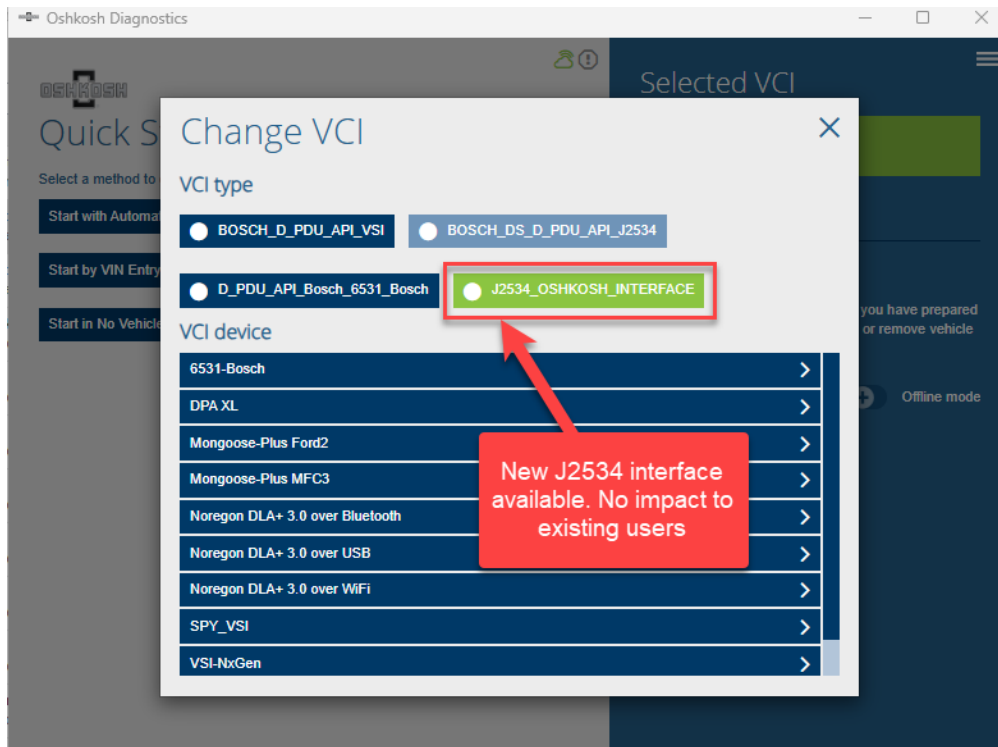


4. A sample report example will be included with this Technical Bulletin at the very end.

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Addition of the D-PDU interface to OKDT Installation

- There is a new version of the J2534 D-PDU interface included with the release of this new software.
- This will be visible if the user selects the Change VCI on the Quick Start page.
- This selection option will have no impact to existing users as the current Bosch_DS_D_PDU_API_J2534 interface still functions.
- New users will only see the J2534_OSHKOSH_INTERFACE and will no longer need to download the separate interface.



Revision	Date	Description	Requestor

Contact Information

NGDV Product Support Line - 1 (800) 830-3554

Workshop details

Oshkosh VMF_Technician 1

Sample Session Report

VIN:

10T13ABAXNE000001

ECUs

Anti-lock Brake System / Electronic Stability Program

Identifiers

- ECU Serial Number: ABCDEFGHIJKLMNOP
- ECU HW Number: ABCDEFGHIJKLMNOPQRSTUVWXYZAB
- Year: 2024
- Month: 08
- Day: 23
- ECU SW number: ABCDEFGHIJKLMNOPQRSTUVWXYZAB
- Oshkosh Assembly PN: ABCDEFGHIJKLMNOPQRST

No DTCs

Acoustic Vehicle Alerting System

Identifiers

- Vehicle Manufacturer ECU Software Number: ABCDEFGHIJKLMNOPQRSTUVWXYZ
- ECU Core Assembly Number: ABCDEFGHIJKLMNOPQRSTUVWXYZ
- ECU Serial Number: ABCDEFGHIJKLMNOP

No DTCs

Battery Monitor System

Identifiers

- HardwarePartNumber: ABCDEFGH
- Hardware_Version: 65
- SoftwarePartNumber: ABCDEFGH
- Oshkosh Assembly PN: ABCDEFGH

No DTCs

Central Gateway Module

Identifiers

- ECU SW number: ABCDEFGHIJKLMNOPQRSTUVWXYZAB
- ECU Serial Number: ABCDEFGHIJKLMNO
- ECU HW Number: ABCDEFGHIJKLMNOPQRSTUVWXYZAB
- Year: 2024
- Month: 8
- Day: 23
- Oshkosh Assembly PN: ABCDEFGHIJKLMNOPQRST

No DTCs

Body Control Module

Identifiers

- Vehicle Identification Number: 10T13ABAXNE000001
- ECU Core Assembly Number: NU5T-14F141-JAA
- ECU Delivery Assembly Number: NU5T-14B476-JAE
- ECU Serial Number: 22046190180
- ECU SW number: NU5T-14C184-AAE

DTCs

- P0230-14 - Fuel Pump Primary Circuit - Circuit Short to Ground or Open _ Historic DTCs with Engine Light On
- C1A56-51 - Left Front Tire Pressure Sensor and Transmitter Assembly - Not Programmed _ Historic
- C1A58-51 - Right Front Tire Pressure Sensor and Transmitter Assembly - Not Programmed _ Historic
- B109B-15 - License Plate Light - Circuit Short to Battery or Open _ Active DTCs
- B10DA-51 - PATS Target Identifier - Not Programmed _ Active DTCs
- B1182-55 - Tire Pressure Monitoring System - Not Configured _ Active DTCs with Warning Light On
- B11D8-01 - Restraint Event Notification - General Circuit/Electrical Failure _ Active DTCs with Warning Light On
- B1254-51 - Right Rear (Outside on Dual Wheel) Tire Pressure Sensor and Transmitter Assembly - Not Programmed _ Historic
- B1255-51 - Left Rear (Outside On Dual Wheel) Tire Pressure Sensor and Transmitter Assembly - Not Programmed _ Historic
- B1256-51 - Inner Right Rear (IRR) (Only On Dual Wheel) Tire Pressure Sensor and Transmitter Assembly - Not Programmed _ Historic
- B1257-51 - Inner Left Rear (ILR) (Only On Dual Wheel) Tire Pressure Sensor and Transmitter Assembly - Not Programmed _ Historic
- B1434-51 - PATS Target #2 Identifier - Not Programmed _ Active DTCs
- B14B8-15 - Sounder - Circuit Short to Battery or Open _ Active DTCs
- B1588-13 - Double Lock Output - Circuit Open _ Historic
- B15D6-13 - Rear Power Sliding Door Unlock - Circuit Open _ Historic
- U0100-87 - Lost Communication With ECM/PCM "A" - Missing Message _ Historic
- U0102-87 - Lost Communication with Transfer Case Control Module - Missing Message _ Active DTCs
- U0121-87 - Lost Communication With Anti-Lock Brake System (ABS/ESP) Control Module "A" - Missing Message _ Historic
- U0131-87 - Lost Communication With Power Steering Control Module "A" - Missing Message _ Historic
- U0151-87 - Lost Communication With Restraints Control Module - Missing Message _ Active DTCs with Warning Light On
- U0155-87 - Lost Communication With Instrument Panel Cluster (IPC) Control Module - Missing Message _ Historic
- U0212-87 - Lost Communication With Steering Column Control Module - Missing Message _ Historic
- U2100-00 - Initial Configuration Not Complete _ Active DTCs with Warning Light On
- U2101-00 - Control Module Configuration Incompatible _ Active DTCs

Corner Radar - Rear Left

Identifiers

- ECU HW Number: ABCDEFGHIJKLMNOPQRSTUVWXYZAB
- ECU ASW Identification: BCDEFGHIJKLMNOPQRSTUVWXYZABC
- ECU SW number: ABCDEFGHIJKLMNOPQRSTUVWXYZAB
- ECU Serial Number: ABCDEFGHIJKLMNOPNO
- Year: 2025
- Month: 11
- Day: 10
- Oshkosh Assembly PN: D015A141
- Number Of Modules: 65

No DTCs

Corner Radar - Rear Right

Identifiers

- ECU HW Number: ABCDEFGHIJKLMNOPQRSTUVWXYZAB
- ECU ASW Identification: BCDEFGHIJKLMNOPQRSTUVWXYZABC
- ECU SW number: ABCDEFGHIJKLMNOPQRSTUVWXYZAB
- ECU Serial Number: ABCDEFGHIJKLMNOPNO
- Year: 2025
- Month: 11
- Day: 10
- Oshkosh Assembly PN: D015A141
- Number Of Modules: 65

No DTCs

eAxle Front

Identifiers

- ECU SW number: ABCDEFGHIJKLMNOPQRSTUVWXYZAB
- ECU HW Number: ABCDEFGHIJKLMNOPQRSTUVWXYZAB
- Oshkosh Assembly PN: ABCDEFGHIJKLMNOPQRST

No DTCs

DCDC

Identifiers

- ECU HW Number: -----
- ASW Identification: ABCDEFGHIJKLMNOPQRSTUVWXYZABC
- Oshkosh Assembly PN:

DTCs

- U1507-F3 - Error Frame Cluster_Info - Frame Time Out Error _ Active DTCs
- U150C-F3 - Global Time Out Error - Frame Time Out Error _ Active DTCs with Warning Light On

Head Unit

No DTCs

Gear Shift Module

Identifiers

- Vehicle Manufacturer ECU Software Number: NZ6P-14G395-AD
- ECU Core Assembly Number: LJ9P-14G400-AC
- ECU Serial Number: 06232022TN049901

DTCs

- P166B-00 - Drivers Door Status Correlation _ Active DTCs
- U0100-00 - Lost Communication With ECM/PCM "A" _ Active DTCs with Warning Light On
- U0100-87 - Lost Communication With ECM/PCM "A" - Missing Message _ Historic
- U0140-00 - Lost Communication With Body Control Module _ Active DTCs
- U0155-00 - Lost Communication With Instrument Panel Cluster (IPC) Control Module _ Active DTCs

HVAC Module

Identifiers

- ECU Core Assembly Number: ABCDEFGHIJKLMNOPQRSTUVWX
- ECU Serial Number: ABCDEFGHIJKLMNOP
- ECU SW number: ABCDEFGHIJKLMNOPQRSTUVWX

No DTCs

Instrument Panel Cluster

Identifiers

- Vehicle Manufacturer ECU Software Number: ABCDEFGHIJKLMNOPQRSTUVWX
- ECU Serial Number: ABCDEFGHIJKLMNOP
- ECU Core Assembly Number: ABCDEFGHIJKLMNOPQRSTUVWX

No DTCs

Camera - Front

Identifiers

- ECU HW Number: ABCDEFGHIJKLMNOPQRSTUVWXYZAB

- Year: 2025
- Month: 11
- Day: 10
- ASW Identification: BCDEFGHIJKLMNOPQRSTUVWXYZABC
- ECU SW number: ABCDEFGHIJKLMNOPQRSTUVWXYZAB
- Oshkosh Assembly PN: D014N014
- Number of Modules: 65

No DTCs

On-board Charger

Identifiers

- ECU HW Number: ABCDEFGHIJKLMNOPQRSTUVWXYZAB
- ECU Serial Number: ABCDEFGHIJKLMNOPQRSTUVWXYZABCDEF
- ECU SW number: ABCDEFGHIJKLMNOPQRSTUVWXYZAB
- Oshkosh Assembly PN: ABCDEFGHIJKLMNOPQRST

No DTCs

Park Aid Module

Identifiers

- ECU SerialNumber: ABCDEFGHIJKLMNOPNO
- Programming Date: 20251110
- ECU SW number: ABCDEFGHIJKLMNOPQRSTUVWXYZAB
- Oshkosh Assembly PN: D015A150

No DTCs

Power Steering Control Module

Identifiers

- Vehicle Identification Number: 10T13ABAXNE000001
- Vehicle Manufacturer ECU Software Number: KK21-14D003-AK
- ECU Core Assembly Number: KK21-14F079-AB

DTCs

- U2100-00 - Initial Configuration Not Complete _ Active DTCs
- U3001-68 - Control Module Improper Shutdown Performance - Event Information _ Historic

Restraint Control Module

Identifiers

- VIN: 10T13ABAXNE000001
- ECU HW Number: ABCDEFGHIJKLMNOP
- Calibration Identification: ABCDEFGHIJKLMNOPQRSTUVWXYZABC
- ECU SW number: ABCDEFGHIJKLMNOPQRSTUVWXYZAB
- ECU Serial Number: ABCDEFGHIJKLMNOPNO
- Oshkosh Assembly PN: D015A299

No DTCs

Radar Front

Identifiers

- ECU HW Number: ABCDEFGHIJKLMNOPQRSTUVWXYZAB
- ECU ASW Identification: BCDEFGHIJKLMNOPQRSTUVWXYZABC
- Year: 2025
- Month: 11
- Day: 10
- ECU SW number: ABCDEFGHIJKLMNOPQRSTUVWXYZAB

- ECU Serial Number: ABCDEFGHIJKLMNO
- Oshkosh Assembly PN: D015A127
- Number Of Modules: 65

No DTCs

Radio Transceiver Module

Identifiers

- ECU Serial Number: ABCDEFGHIJKLMNOP
- Vehicle Manufacturer ECU Software Number: ABCDEFGHIJKLMNQPQRSTUVWXYZ
- ECU Core Assembly Number: ABCDEFGHIJKLMNQPQRSTUVWXYZ

No DTCs

Steering Column Control Module

Identifiers

- Vehicle Manufacturer ECU Software Number: JK2T-14C579-AB
- ECU Core Assembly Number: KK3T-14F078-AA
- ECU Serial Number: 90298VAL0013D

DTCs

- U0140-00 - Lost Communication With Body Control Module _ Active DTCs
- U0146-00 - Lost Communication With Gateway "A" _ Active DTCs
- U0155-00 - Lost Communication With Instrument Panel Cluster (IPC) Control Module _ Active DTCs
- U2100-00 - Initial Configuration Not Complete _ Active DTCs

Trailer Module

Identifiers

- ECU Serial Number: ABCDEFGHIJKLMNOP
- ECU SW number: ABCDEFGHIJKLMNQPQRSTUVWXYZ
- ECU Core Assembly Number: ABCDEFGHIJKLMNQPQRSTUVWXYZ

No DTCs

Upfitter Interface Module

Identifiers

- Vehicle Manufacturer ECU Software Number: JK2T-14G451-AC
- ECU Core Assembly Number: HC3T-14G456-AE
- ECU Serial Number: G977A2204700777B

No DTCs

Vehicle Control Unit

Identifiers

- Year: 2024
- Month: 8
- Day: 23

No DTCs

ECU REPROGRAMMING

ECU Name	Old version	New version	Status
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ECU REPLACEMENT

ECU Name	Old version	New version	Status
Body Control Module			Failed/Aborted
Body Control Module	NU5T-14C184-AAE	-	SUCCESS

Was Datalogger Run?

No

Procedure Run

Procedure name	Status
Enter Park Brake Maintenance Mode	FAILURE
Enter Park Brake Maintenance Mode	FAILURE
Reset Low Voltage Battery Monitor System	Finished