

AGENDA ITEM FOR ADMINISTRATIVE MEETING

() Discussion only
(X) Action

FROM (DEPT/ DIVISION): Public Works
PROGRAM: Non Capitol equipment Tech
SUBJECT: Diagnostic software and hardware

<p>Background: The Public Works Department is requesting authority to purchase a diagnostic system for all of the computerized equipment public works utilizes in our day to day work. This package includes almost all of the equipment we currently use. This is not simply a code reader. This program will give our shop the ability to change and upgrade our onboard computers as well as diagnose issues with our equipment. Currently we have to call out a service technician or take our equipment to a vendor for diagnosis at a great expense. This investment will give our shop the tools needed to improve our ability to maintain and operate our current equipment inventory. After the purchase there will be an annual renewal fee of \$2,199.00. The first year fee is included in the price</p>	<p><u>ACTION REQUESTED:</u> Authorization to Purchase the diagnostic program from NOREGON Systems LLC. In the amount of \$6,230.92</p>
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ATTACHMENTS: information from NOREGON
Date: (8/11/23) Submitted By: (Tom Fellows)

*****For Internal Use Only*****

Checkoffs:

- () Exec. Asst.
- () Dept. Head (copy)
- () Human Resources (copy)
- () Budget (copy)
- () Fiscal
- () Legal (copy)
- () (Other - List)

To be notified of Meeting:

Needed at Meeting:

PLEASE RETURN THIS FORM AND ATTACHMENTS TO Executive Assistant

Scheduled for meeting on: August 16, 2023

Action taken:

Quote

Noregon Systems, LLC
 (855) 889-5776
 7823 National Service Rd
 Greensboro, NC 27409
 United States

Quote #: 48416
 Date: 8/10/2023

Bill To:
Umatilla County Public Works Department 3920 Westgate Pendleton, OR 97801 United States

Ship To:
Umatilla County Public Works Department 3920 Westgate Pendleton, OR 97801 United States

Expires	Sales Rep
8/30/2023	Joe Norris

Qty	Item	Description	License Key(s)	Unit Price	Amount
1	264450	JPRO Professional with Fault Guidance & NextStep Repair Toolbox		\$7,324.00	\$7,324.00
	Promotion Discount	Promotion Discount		-20%	(\$1,464.80)
1	121721	6-pin Heavy-Duty DLA+ 2.0 Cable		\$199.00	\$199.00
	Promotion Discount	Promotion Discount		-20%	(\$39.80)
1	121661	OBD-II Type-B DLA+ 2.0 Cable for Ford		\$199.00	\$199.00
	Promotion Discount	Promotion Discount		-20%	(\$39.80)
				Subtotal	\$6,177.60
				Shipping	\$53.32
				Sales Tax Total	\$0.00
				Total	\$6,230.92

Notes
*** 20% PROMO APPLIED *** JPRO with Fault Guidance and NS REPAIR software Price includes first year of service. Annual Renewal is \$2199 - Thank you for your business!



COMPLETE IN-SHOP SOLUTION

Given the impact trucking has on our country, **maximizing uptime** is a top priority.

Noregon offers the most comprehensive suite of products to take technicians from intake to completed repair.

The Noregon suite of products and services provide the following benefits:



INTAKE

Rapid connection during intake provides complete vehicle details.



DIAGNOSTICS

Comprehensive scan of all components and faults for fast and effective diagnosis using vehicle data and bi-directional tests.



TROUBLESHOOTING

Guided diagnostics efficiently assist with troubleshooting vehicle issues.



REPAIR

Access detailed maintenance guides for safe and accurate repairs.



MASTER TECH SUPPORT

Noregon's master technicians help solve difficult diagnoses or repairs.



CALL CENTER SUPPORT

Our U.S. based call center provides quick resolution of software or connectivity issues.

INTAKE / DIAGNOSTICS / TROUBLESHOOTING

REPAIR



#1 INTAKE, DIAGNOSTIC & REPAIR TOOL

JPRO® is the #1 all makes, all models, in-shop diagnostic and troubleshooting application for facilitating all maintenance steps, from the time the vehicle arrives until it leaves the bay.

INTUITIVE USER INTERFACE

JPRO's intuitive, user-friendly design and educational features empower technicians to perform the work of seasoned veterans, while equipping master mechanics with the tools they need to perform complex jobs.

GUIDED TROUBLESHOOTING

With JPRO, you get access to guided troubleshooting procedures, wiring diagrams, bi-directional tests, standard and proprietary vehicle data and more.



SCAN TO VIEW JPRO COVERAGE
OR CLICK HERE



Diagnostic Tool Management (DTM)

Need help managing all aspects of your diagnostic technology?
Ask how we can help!



SCAN TO LEARN MORE
OR CLICK HERE



NEXTSTEP REPAIR

Reduce errors in the repair process with NextStep® Repair, an interactive maintenance guide for all makes and models featuring step-by-step repair instructions — even when no fault is present.

SEE THE DETAILS

Leave nothing to chance by following repair procedures that offer step-by-step instructions, detailed images and cautionary warnings to adhere to during the repair process.

SAVE TIME & MONEY

With its all makes and models coverage, save time and money by not buying a variety of OEM solutions or thumbing through repair manuals searching for a procedure.



SCAN TO VIEW SAMPLE REPAIRS
OR CLICK HERE





TECHNICIAN AS A SERVICE

UNLIMITED REMOTE SUPPORT

TaaS provides your team with unlimited remote support from master technicians. Whether an entry-level technician needs some assistance, or the shop lead is stumped by a tricky diagnosis, our experts have the knowledge, certifications and resources to find a resolution.

COVERAGE

If JPRO covers it, our team covers it! This includes:

- Engine Assistance
- Diagnostics and troubleshooting
- Aftertreatment problems
- Electrical issues
- *and much more*

MASTER TECH SUPPORT



SCAN TO LEARN MORE
OR CLICK HERE

Featured Products

**Includes a 1 year annual software subscription
Additional purchase options available, call 855-889-5776 for details.*



COMPLETE DIAGNOSTIC KITS

Diagnostic Service Kit with software, new Panasonic laptop, DLA+ 2.0 adapter, cables & storage case*

| JPRO, NEXTSTEP REPAIR, & TAAS: **264425-TAAS**

| JPRO & NEXTSTEP REPAIR: **264425**

| JPRO & TAAS: **263025-TAAS**

| JPRO: **263025-NS**



SOFTWARE AND ADAPTER KITS

Software, DLA+ 2.0 adapter, cables & storage case.*

| JPRO & NEXTSTEP REPAIR: **234425**

| JPRO: **232125-NS**

Questions?

Contact your Noregon sales professional or call (855) 889-5776

Learn more: www.noregon.com | Shop online: shop.noregon.com

REPAIRS AND SYMPTOMS

Manufacturer: Cummins | Component: Engine | Model: EPA 10 | Series: ISB 6.7L | Filter by System/Subsystem

- Symptom: 211 topics
- > Aftertreatment System: (33 topics)
 - > Air Compressor (Brake Air): (41 topics)
 - Air Compressor Pumping Excess Lubricating Oil into the Air System - Air Compressor Pumping Excess Lubricating Oil into the Air System
 - Air Compressor Noise is Excessive - Air Compressor Noise
 - Air Compressor Will Not Pump Air - Air Compressor Will Not Pump Air
 - Air Compressor Air Leak Noise - Air Compressor Air Leak Noise
 - Air Compressor Continuous Operation Frequent Cycling - Air Compressor Continuous Operation Frequent Cycling
 - Air Compressor Pumping Coolant - Air Compressor Pumping Coolant
 - > Base Engine: (2 topics)
 - > Cooling System: (11 topics)
 - > Cylinder Head: (5 topics)

SYMPTOM BASED REPAIRS MADE EASY.

NextStep Repair gives you the ability to repair problems that diagnostic tools can't detect.

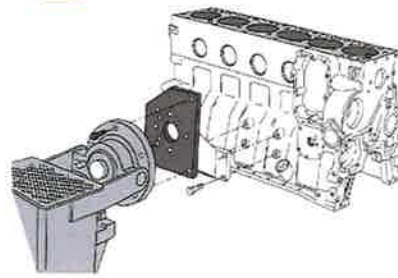
Because not all malfunctions trigger a fault code, it is imperative that technicians have the capability to repair symptom-based issues.

Warning: The weight of the component or assembly is more than 50 lbs (23 kg). Use appropriate lifting equipment or request assistance while lifting this component or assembly to prevent serious personal injury.

5. Remove the block from the engine stand.

Figure 7: Removing engine block

Click mouse and drag to view zoomed image.



DECREASED SHOP LIABILITY WITH IMPROVED REPAIR SAFETY.

When necessary, NextStep Repair alerts users to safety concerns associated with that particular job, before repair work begins.

Warning: Follow the manufacturer's recommendations at time of using solvents, acids, or alkaline materials for cleaning. Reduce chances of personal injury by wearing goggles and protective clothing.

CAUTION:

• Ensure to use a cleaning solution which will not cause camshaft bushings damage.

6. Cleaning tank according manufacturer instruction.

7. Use the solvent properly.

NOTICE: Note: No specific cleaning solution is recommended by the OEM. Using a cleaning solution which can be heated from 176-203°F (80-95°C) has proved to be yielding the best results. The best results will be evident when a cleaning tank is used, which will mix and filter the cleaning solution.

B. Clean the cylinder block inside the cleaning tank.

ELEVATE ENTRY-LEVEL TECHNICIANS

NextStep Repair's step-by-step instructions are like having a master mechanic in your shop quickly guiding technicians of all skill levels to the optimal repair procedures.

Preparation

Warning: During regeneration, temperature of exhaust gas can become 1500°F (800 °C) and the temperature of exhaust system (700°C). These temperatures are hot enough for igniting or melting common materials, and can also lead to serious personal injury stopped moving, the exhaust components and exhaust can remain hot. Prior to beginning this procedure or repair, let the exhaust avoid the risk of fire, property damage, burns or other serious personal injury. Ensure that no combustible materials are placed with hot exhaust components or exhaust.

CAUTION:

1. In order to check the system for leaks, do not use the flow test portion of JPRO® or OEM Service Tool DEF doser pump override the exhaust system, at temperatures which are too low to evaporate, eventually causing deposits to form in the exhaust system.

NOTICE: Note: It is possible that DEF deposits could be left over from an earlier DEF spill or repair. Prior to any component replace

1. Check the region in vicinity of the DEF line connection location at the aftertreatment DEF dosing valve.
2. Check for any indication of leaks and/or white deposits.
3. A DEF leak in this region may be from:
 - The aftertreatment DEF dosing valve and the DEF line connection.
 - NOTICE:** Note: The DEF dosing valve is not a serviceable part; do not remove it from the assembly.
 - The DEF dosing valve joints between the valve assembly body and the valve.
 - NOTICE:** Note: It may be essential to remove the deposits and clean the region using warm water because of deposit build-up source of the leak.
 - **NOTICE:** Note: Till the correct SCR temperatures are attained, the aftertreatment DEF dosing system will not prime.
4. Raise the SCR system temperature by performing road test on the vehicle for at least 15 minutes, and then inspect for source
 - Go to Component Inspection after finding the source of DEF leaks and/or deposits.

Figure 3: DEF Dosing Valve

Click mouse and drag to view zoomed image.



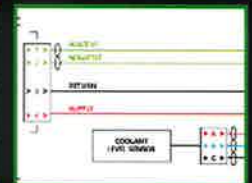
Looking for the best all-in-one solution?

Pair NextStep Repair with JPRO Professional and get everything you need to diagnose and repair all makes and models, including:

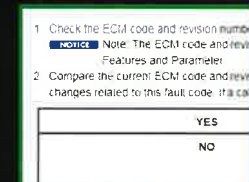
- Enhanced OEM fault descriptions
- Full-color wiring diagrams
- Testing steps and procedures
- Live vehicle data & bi-directional



Enhanced OEM fault descriptions



Full-color wiring diagrams



Testing steps and procedures



Live vehicle data & bi-directional tests*

*Requires integration with JPRO Professional



Browse by manufacturer and component Quick search by system or subsystem

REPAIRS AND SYMPTOMS

Manufacturer: Cummins Component: Engine Model: EPA 13 ISX 15 Series: ISX 15L Aftertreatment

▼ Aftertreatment System (30 topics)

- Aftertreatment Adapter Pipe
- Aftertreatment Configurations
- Aftertreatment Diesel Exhaust Fluid Dosing Unit
- Aftertreatment Diesel Exhaust Fluid Dosing Unit
- Aftertreatment Diesel Exhaust Fluid Dosing Unit

EASY TO NAVIGATE.

Not only are the repair manuals easy to follow, they're also easy to find. With the ability to browse, filter, and search, technicians can spend less time looking and more time repairing.

CONSISTENT COVERAGE ENHANCEMENTS

NextStep Repair covers the most common components in heavy-duty trucks, and coverage is consistently added to ensure you can keep repairing the vehicles you work on daily.

CURRENT COVERAGE INCLUDES:

CUMMINS
EPA 07: ISM11, ISX15 | EPA 10: ISB 6.7, ISC 8.3, ISL9, ISX12, ISX15 | EPA 13: ISB 6.7, ISL9, ISX12, ISX15 | **GHG17:** X15 - Performance | **NATURAL GAS:** ISL, ISX 12

DETROIT
EPA 07: DD13, DD15, DD16, Series 60 | EPA 10: DD13, DD15, DD16 | **GHG14:** DD13, DD15, DD16 | **GHG17:** DD13, DD15, DD16

INTERNATIONAL
2013: N13 | 2015: N13 | **A26** | EPA 07: Maxforce 11/13, 7, DT, 9, 10 | EPA 10: Maxforce 11/13, 7, DT, 9, 10 | DT466E (Non-EGR) | DT530E (Non-EGR) | EPA04 VT365

MACK
EPA 07: MP7, MP8, MP10 | EPA 10: MP7, MP8, MP10 | EPA 13: MP7, MP8, MP10

PACCAR
EPA 10: MX13, PX6, PX8 | EPA 13: MX11, MX13, PX7, PX9 | EPA 17: MX11, MX13

VOLVO
EPA 07: D11, D13, D16 | EPA 10: D11, D13, D16 | EPA 13: D11, D13, D16

EATON
Advantage | Gen II AutoShift / UltraShift ASW & DM | Gen III AutoShift / UltraShift | Gen III UltraShift PLUS

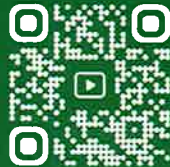
MERCEDES
EPA 07: 4000, 900

WABCO
Hydraulic Power Brake (HPB) System

Available procedures vary for each make and engine model.

For full coverage scan the QR code

or visit www.noregon.com/nextstep-repair



NEXTSTEP REPAIR PRODUCT LISTING:

- 264425-TAAS ... JPRO Professional with NextStep Repair & TaaS Diagnostic Service Kit
- 264425 ... JPRO Professional with NextStep Repair Diagnostic Service Kit
- 234425 ... JPRO Professional with NextStep Repair Adapter Kit
- 213200 ... JPRO Professional with NextStep Repair (Software & Modules only)
- 111201 ... NextStep Repair (Module only)



Questions? (855) 889-5776

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NEXTSTEP REPAIR



REPAIR GUIDANCE AT YOUR FINGERTIPS.

NextStep® Repair is an interactive maintenance guide that offers the step-by-step instructions and guidance that technicians need to repair issues even when no fault information is present.



User-friendly design and interactive features earned NextStep Repair a Top 20 Product Award from HDT Magazine.

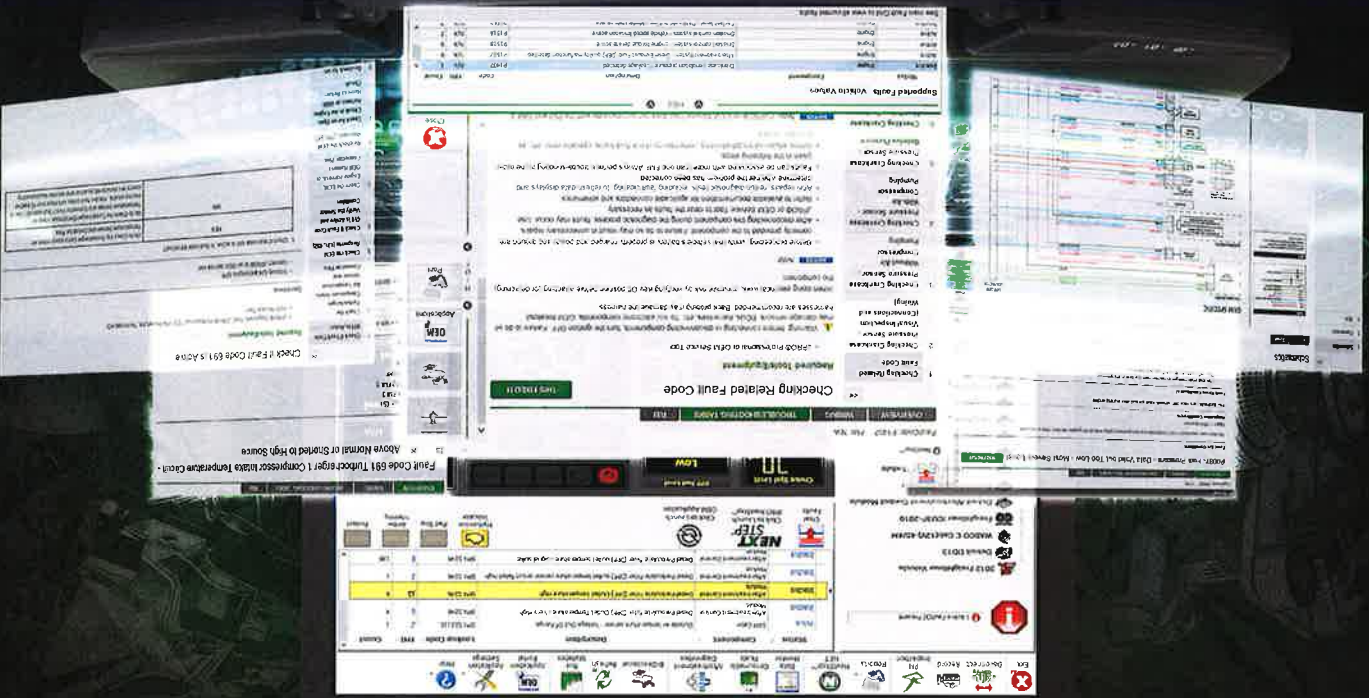
NextStep Repair turns complex repair jobs into easy-to-follow instructions that improve technician efficiency – regardless of skill level. The portal's intuitive design empowers technicians to quickly find the correct repair manual to improve repair accuracy and shorten the amount of time required to go from discovery to completed repair. With a database created and maintained by some of the top ASE-certified technicians in the industry, you can feel comfortable that your technicians will make correct, thorough repairs the first time.



JPRO
PROFESSIONAL

**FAULT
GUIDANCE**

Ease the **TROUBLESHOOTING & REPAIR PROCESS** and get trucks back on the road – **FASTER THAN EVER!**



NextStep® troubleshooting is now Fault Guidance - a standard feature within JPRO.

Fault Guidance walks users through troubleshooting steps and provides critical information like wiring diagrams and component locations.

NOTE: NextStep Repair is a separate application that provides comprehensive repair information.

- ✓ All Makes & Models (Class 3-8)
- ✓ View Live Vehicle Data
- ✓ Component Based Coverage
- ✓ No VIN Required!
- ✓ Integrated with JPRO Professional

The screenshot shows a diagnostic software interface with a top toolbar containing icons for 'Exit', 'Disconnect', 'Record', 'Inspections & Reports', 'Fault Guidance', 'Next Step Repair', 'Data Monitor', 'Aftertreatment Diagnostics', 'Bi-Directional', 'Refresh', 'Submit Warranty', 'Application Portal', 'Education Portal', 'Application Settings', and 'Help'. A 'No Active Issues Found' message is displayed with a green checkmark and a 'Repair Mentor' button. A sidebar lists vehicle components like '2012 Freightliner Vehicle', 'Cummins 15 DL ISX1', 'WABCO E Cab(12V) 48V', 'Freightliner ICU4M-2010', 'Freightliner CGW', 'Freightliner HVAC Front', 'Freightliner HVAC Rear', 'Freightliner Modular Switch Field', 'Freightliner SAM Cabin', and 'Freightliner SAM Chassis'. A 'Fault Guidance' window is open, showing a magnifying glass icon and the text 'Fault Guidance'. Below it, a digital dashboard displays 'Road Speed Limit 63 mph', 'Total Avg Fuel Eco 68', 'Total Engine Hrs 155957 hrs', and 'Odometer 4756689 mi'. A table of faults is visible, with one entry highlighted: 'Blower motor - protection mode (speed mismatch or blocked rotor)' with FMI 2 and Count 15.

This screenshot shows a detailed troubleshooting guide for a 'Differential Pressure Sensor Related Fault Codes' (FaultCode 1922, FMI N/A). The guide includes a 'Check for Active Aftertreatment DPF' step with a 'THIS FIXED IT' button. It lists 'Required Tools/Equipment' as 'JPRO® Professional or an OEM Service Tool' and 'Conditions' as 'With key ON and engine OFF' and 'Connect JPRO® or an OEM service tool'. A list of fault codes is provided: 1879, 1881, 1883, 3133, and 3134. A 'Vehicle Faults' table at the bottom shows the active fault: 'Left Rear Wheel Sensor Open' (Code 5303, FMI 5, Count 1) and 'Aftertreatment Diesel Particulate Filter Differential Pressure - Data Valid But Above Normal Operating Range - Most Severe Level. The soot load of the aftertreatment Diesel Particulate Filter has exceeded the recommended limit. Engine protection default is enabled.' (Code 1922, FMI N/A, Count 1).

DID YOU KNOW?
 On average, Fault Guidance users **reduce OEM application usage by 35%.** **Save time and money** by remaining resident in a single application.

WHAT DOES FAULT GUIDANCE PROVIDE?

Fault Guidance includes vital repair information and troubleshooting guides, all in one centralized location.

Users have access to the following:

- Enhanced OEM fault descriptions, plus corresponding SAE data
- Full-color wiring diagrams
- Technician guided repair information
- Testing steps and procedures
- Removal and installation guides
- Access from anywhere you have an internet connection — *not just the shop*
- Weekly updates
- Quickly access fault data, live vehicle data and bi-directional tests
- Assistance from Noregon's US-based product experts

The screenshot shows a 'Service Data' window for a 'Bendix EC-40® ABS / ATC'. It features a 'Suggested Tools' section listing items like 'Air Ouzes', 'Vol/Ohm Meter', 'PC-based Service Tool', 'ServiceTrac 3', 'Comca Baton 1', 'SNR Lever Tester', 'Eaton Service Parts 1', 'Eaton Test Adapter Kit', 'SPZ / Kam-More 1', '6-Pin Deutsch Diagnostic', 'SPZ / Kam-More 1', '6-Pin Deutsch Diagnostic', 'SPZ / Kam-More 1', 'Vehicle Link Adapters', and 'PP 110A Compatible'. A 'J481 Schematic Basic' diagram is also visible, showing electrical connections. The window includes a 'MERITOR WABCO' logo and a page number '114'.

TROUBLESHOOTING MANUALS FOR TRANSMISSIONS & ABS

WIRING DIAGRAMS

TROUBLESHOOTING & REPAIR TASKS

“THIS FIXED IT!” BUTTON

Did these steps solve your issue?

Click the “Fixed It” button to contribute to stats in the system that will inform other techs, like you, that the troubleshooting steps resolved the problem!

Supported Faults	Vehicle Values
Engine Turbocharger 1 Compressor Inlet Pressure	8.29
Sensor Supply 2	5.00
System ID and Dataplate - ECM Code	0290013.15
Turbocharger Compressor Intake Air Temperature	76.99
Turbocharger Compressor Intake Air Temperature Sensor Signal Voltage	5.00

THIS FIXED IT

Vehicle Faults

Status	Component	Description	Code	FMI	Count
Active	Brakes	Left Rear Wheel Sensor Open	SID 3	5	1
Active	Engine	Aftertreatment Diesel Particulate Filter Differential Pressure - Data Valid But Above Normal Operating Range - Most Severe Level. The soot load of the aftertreatment diesel particulate filter has exceeded the recommended limits. Engine protection derate is enabled.	1922	N/A	1

- CLEAR FAULTS
- ACCESS BI-DIRECTIONAL TESTS
- OEM APPLICATIONS
- INDUSTRY TERMS

VIEW LIVE VEHICLE DATA

Quickly access pre-selected, relevant data (i.e., fault status & vehicle values) pertaining to troubleshooting steps for any fault to decrease troubleshooting times and increase technician efficiency.

Supported Faults	Vehicle Values
Engine Turbocharger 1 Compressor Inlet Pressure	8.29
Sensor Supply 2	5.00
System ID and Dataplate - ECM Code	0290013.15
Turbocharger Compressor Intake Air Temperature	76.99
Turbocharger Compressor Intake Air Temperature Sensor Signal Voltage	5.00

UNIQUE FAULT GUIDANCE BENEFITS



Component-based coverage:

Many competitors make you wait for the addition of new vehicles to their system before you can view repair information — this often takes more than a year.

Not JPRO's Fault Guidance!

Fault Guidance provides information based on the components within the vehicle. Most new vehicles utilize components with existing coverage; Fault Guidance allows techs to service the newest vehicles without having to wait until a VIN or Model Year is supported.

HEAVY-DUTY COMPONENT COVERAGE INCLUDES:

ENGINES:

Cummins, International, PACCAR, Mack/Volvo (2007 & newer), Ford F-650/750 with CAT, Cummins, International Engines, and GM 4500-8500 with CAT engines (2000-2009), Mercedes-Benz (1998-2008), CAT 3406E, C-7, C-9, C-10, C-11, C-12, C-13, C-15 C-16 and C-18 On-highway Engines; Includes locator images for all heavy-duty Engines

BRAKES:

Bendix EC-30, EC-60, Gen4/5 ABS, MC-30 Trailer, EC-80, Wingman® FLR20/FLR21, SmarTire, SafetyDirect® Web Portal, AutoVue® FLC20, AutoVue® Lane Departure, IntelliPark®, TABS-6 Trailer, BlindSpotter® SLR, WABCO Brakes (Trailer ABS - Enhanced Easy Stop, Tractor ABS Cab/Frame Mount, Tractor Hydraulic ABS Cab/Frame Mount, OnGuard® Display Unit, Hydraulic Power Brake (HPB) System

TRANSMISSION:

Eaton Transmission (Gen II & III AutoShift/UltraShift/Ultrashift PLUS, and Advantage)

MEDIUM-DUTY COMPONENT COVERAGE INCLUDES:

ENGINES:

Ford (2004-2018) F250 - 750 and Econoline, GM (2005-2018) Express/Savana, Kodiak/Topkick, Sierra and Silverado



Data related to fault repair:

Because Fault Guidance integrates directly with JPRO, users eliminate the burden of switching between applications to view fault data. With Fault Guidance you can reduce your dependency on tools such as a DVOM or OEM applications.

With 57% of engine faults requiring verification of various live vehicle data (i.e., faults & vehicle values), Fault Guidance simplifies the troubleshooting process by providing all pertinent data related to any selected issue in the Live Vehicle Data section of the Fault Guidance window.



Access to bi-directional controls:

Fault Guidance performs bi-directional tests without having to open a different tool, such as OEM-specific programs. Once you have completed repairs, Fault Guidance offers the ability to clear fault codes.

NEXTSTEP® NET

NextStep NET is an online portal providing access to JPRO Fault Guidance's comprehensive database of troubleshooting guidance and detailed fault information. Available from any internet connected PC, NextStep NET's searchable database is available as an a la carte solution, or provided to JPRO customers, free-of-charge.

JPRO FAULT GUIDANCE PRODUCT LISTING

P/N: 263025-NS	JPRO Professional with Fault Guidance Diagnostic Toolbox
P/N: 264425	JPRO Professional with Fault Guidance and NextStep Repair Diagnostic Toolbox
P/N: 232125-NS	JPRO Professional with Fault Guidance Diagnostic Software and Adapter Kit
P/N: 234425	JPRO Professional with Fault Guidance and NextStep Repair Diagnostic Software and Adapter Kit
P/N: 212100-NS	JPRO Professional with Fault Guidance Software (<i>Software only</i>)
P/N: 213200	JPRO Professional with Fault Guidance and NextStep Repair Software (<i>Software only</i>)
P/N: 11125-A	NextStep Net Service Information (<i>Online Portal only; Integrated JPRO features not included.</i>)



QUESTIONS? (855) 889-5776
www.noregon.com/fault-guidance

BUSINESS INFORMATION

Email this form to your Noregon representative or to: credit@noregon.com

BUSINESS CONTACT INFORMATION			
Title:			
Company name:			
Phone:	Fax:	E-mail:	
Registered company address:			
City:	State:	ZIP code:	
Accounts payable contact:		Email:	
Billing address:		Phone:	
City:	State:	Zip code:	
Date business commenced:			
Sole proprietorship: <input type="radio"/>	Partnership: <input type="radio"/>	Corporation: <input type="radio"/>	Other: <input type="radio"/>
AGREEMENT			
<ol style="list-style-type: none"> 1. All invoices are to be paid 30 days from the date of the invoice. 2. By submitting this application, you authorize Noregon Systems, LLC. to make inquiries into the banking and business/trade references that you have supplied. 			
SIGNATURE			
Title:		Date: DD/MM/YYYY	

Request for Taxpayer Identification Number and Certification

**Give Form to the
requester. Do not
send to the IRS.**

▶ Go to www.irs.gov/FormW9 for instructions and the latest information.

Print or type.
See Specific Instructions on page 3.

1 Name (as shown on your income tax return). Name is required on this line; do not leave this line blank. Noregon Systems LLC	
2 Business name/disregarded entity name, if different from above	
3 Check appropriate box for federal tax classification of the person whose name is entered on line 1. Check only one of the following seven boxes.	4 Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3): Exempt payee code (if any) _____ Exemption from FATCA reporting code (if any) _____ <i>(Applies to accounts maintained outside the U.S.)</i>
<input type="checkbox"/> Individual/sole proprietor or single-member LLC <input type="checkbox"/> C Corporation <input type="checkbox"/> S Corporation <input type="checkbox"/> Partnership <input type="checkbox"/> Trust/estate <input checked="" type="checkbox"/> Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=Partnership) ▶ <u> P </u> Note: Check the appropriate box in the line above for the tax classification of the single-member owner. Do not check LLC if the LLC is classified as a single-member LLC that is disregarded from the owner unless the owner of the LLC is another LLC that is not disregarded from the owner for U.S. federal tax purposes. Otherwise, a single-member LLC that is disregarded from the owner should check the appropriate box for the tax classification of its owner. <input type="checkbox"/> Other (see instructions) ▶	
5 Address (number, street, and apt. or suite no.) See instructions. 7823 National Service Road	Requester's name and address (optional)
6 City, state, and ZIP code Greensboro NC 27409	
7 List account number(s) here (optional)	

Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the instructions for Part I, later. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN*, later.

Note: If the account is in more than one name, see the instructions for line 1. Also see *What Name and Number To Give the Requester* for guidelines on whose number to enter.

Social security number									
or									
Employer identification number									
5	6	-	1	8	3	3	3	5	5

Part II Certification

Under penalties of perjury, I certify that:

1. The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me); and
2. I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and
3. I am a U.S. citizen or other U.S. person (defined below); and
4. The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.

Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions for Part II, later.

Sign Here	Signature of U.S. person ▶ <i>Jamara Noy</i>	Date ▶ <i>1/4/23</i>
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General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

Future developments. For the latest information about developments related to Form W-9 and its instructions, such as legislation enacted after they were published, go to www.irs.gov/FormW9.

Purpose of Form

An individual or entity (Form W-9 requester) who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) which may be your social security number (SSN), individual taxpayer identification number (ITIN), adoption taxpayer identification number (ATIN), or employer identification number (EIN), to report on an information return the amount paid to you, or other amount reportable on an information return. Examples of information returns include, but are not limited to, the following.

- Form 1099-INT (interest earned or paid)

- Form 1099-DIV (dividends, including those from stocks or mutual funds)
- Form 1099-MISC (various types of income, prizes, awards, or gross proceeds)
- Form 1099-B (stock or mutual fund sales and certain other transactions by brokers)
- Form 1099-S (proceeds from real estate transactions)
- Form 1099-K (merchant card and third party network transactions)
- Form 1098 (home mortgage interest), 1098-E (student loan interest), 1098-T (tuition)
- Form 1099-C (canceled debt)
- Form 1099-A (acquisition or abandonment of secured property)

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN.

If you do not return Form W-9 to the requester with a TIN, you might be subject to backup withholding. See What is backup withholding, later.