



Proprietary Fault Support

- Heavy & Medium-Duty (Class 3-8) -

ANTI-LOCK BRAKES

BENDIX
FORD
GM
HALDEX
SPRINTER
WABASH
WABCO

WADCO
BODY & CHASSIS
BLUEBIRD
<u>FORD</u>
FREIGHTLINER
<u>GM</u>
INTERNATIONAL
KENWORTH
MACK
PETERBILT
<u>SPRINTER</u>
STERLING
THOMAS BUILT
<u>VOLVO</u>
WESTERN STAR

CTIS

DANA

DAS

BENDIX

ENGINES

CATERPILLAR (OFF-HIGHWAY)
CATERPILLAR (ON-HIGHWAY)
<u>CUMMINS</u>
DETROIT DIESEL
<u>FORD</u>
<u>GM</u>
HINO
<u>ISUZU</u>
INTERNATIONAL
MACK
<u>MERCEDES</u>
PACCAR MX
SPRINTER
VOLVO

TRANSMISSIONS

ALLISON
DETROIT
EATON
FORD
GM
MACK
SPRINTER
VOLVO
<u>ZF</u>

TPMS

BENDIX

Bi-Directional

- Parameter Tests, Functionality & Reporting -

HEAVY-DUTY

BENDIX
CATERPILLAR (OFF-HIGHWAY)
CATERPILLAR (ON-HIGHWAY)
CUMMINS
DANA
DETROIT
HINO
INTERNATIONAL
MACK
MERCEDES-BENZ
PACCAR
VOLVO
WABCO

MEDIUM-DUTY

GM	
FORD	
HINO	
<u>ISUZU</u>	
<u>SPRINTER</u>	

ENGINE SUPPORT

Heavy-Duty Support for Caterpillar (ON-HIGHWAY)

- Support reading proprietary diagnostic fault codes and event codes for all Caterpillar engines.
- Support for proprietary sensor data for all Caterpillar engines.

Bi-directional support for Caterpillar engines:

• Cruise Control Speed Limits

+ Low Cruise Control Speed Limit, High Cruise Control Speed limit

a 3126, C12, and C18 engines | C-15 pre-ACERT engines (before 2004) | **EPA 04:** C7, C13, and C15 ACERT engines | **EPA 07:** C7, C13, and C15 ACERT engines | Now supports **EPA 04:** C9 ACERT engines

• Cylinder Cut Out Tests

a 3126, C12, and C18 engines | C-15 pre-ACERT engines (before 2004) | **EPA 04:** C7, C13, and C15 ACERT engines | **EPA 07:** C7, C13, and C15 ACERT engines | Now supports **EPA 04:** C9 ACERT engines

Idle Shutdown

+ Idle Shutdown Time, Idle Shutdown Override

a 3126, C12, and C18 engines | C-15 pre-ACERT engines (before 2004) | **EPA 04:** C7, C13, and C15 ACERT engines | **EPA 07:** C7, C13, and C15 ACERT engines | Now supports **EPA 04:** C9 ACERT engines

• Injection Actuator Pressure Test

a Supported on 3126 engines | EPA 04: C7, C13, and C15 ACERT engines | Now supports EPA 04: C9 ACERT engines

• Injector Solenoid Test

a 3126, C12, and C18 engines | C-15 pre-ACERT engines (before 2004) | **EPA 04:** C7, C13, and C15 ACERT engines | **EPA 07:** C7, C13, and C15 ACERT engines | Now supports **EPA 04:** C9 ACERT engines

Injector Trim Calibration

a C-15 pre-ACERT engines (before 2004) | EPA 04: C7, C13, and C15 ACERT engines | Now supports EPA 04: C9 ACERT engines

Intake Valve Actuator Test

a EPA 04: C13 and C15 ACERT engines | EPA 07: C13 and C15 ACERT engines

Intake Valve Actuator Solenoid Test

EPA 04: C13 and C15 ACERT engines | **EPA 07:** C13 and C15 ACERT engines

Maximum Vehicle Speed Limit

+ Vehicle Speed Limit

a 3126, C12, and C18 engines | C-15 pre-ACERT engines (before 2004) | EPA 04: C7, C13, and C15 ACERT engines | EPA 07: C7, C13, and C15 ACERT engines

Parked DPF Service Regeneration

a EPA 07: C7, C13, and C15 ACERT engines

Heavy-Duty Support for Cummins

- Supports reading proprietary faults for: QSF3.8 CM2350 F119, QSB4.5 CM850(CM2850), QSB6.7 CM850(CM2850), QSX15 CM570
- Supports reading proprietary faults and data for: QSB4.5 CM2350 B106, QSB6.7 CM2250
- Support for reading proprietary NOx sensor data on all EPA 13 and newer Cummins engines.
- Supports Cummins CNG (compressed natural gas) engines including proprietary fault codes and sensor data.

• Bi-directional support for Cummins engines:

Aftertreatment Injector Flow Test

 $\,$ $\,$ EPA 07: all ISX (15L) | EPA 10: all ISX (12 & 15L) | EPA 13: all ISX (12 & 15L)

Aftertreatment Injector Leak Test

a EPA 07: all ISX (15L) | EPA 10: all ISX (12 & 15L) | EPA 13: all ISX (12 & 15L)

Aftertreatment Injector Shutoff Valve Test

□ EPA 07: all ISX (15L) | EPA 10: all ISX (12 & 15L) | EPA 13: all ISX (12 & 15L)

Aftertreatment Maintenance Reset

a EPA 07: all ISB, ISC, ISL, ISM, ISX, PX-6, and PX-8 | EPA 10: all ISB, ISC, ISL, ISX, PX-6, and PX-8 | EPA 13: all ISB, ISL, ISX, PX-7, and PX-9 | GHG17: all B6.7, L9, X15, PX-7, and PX-9 | GHG21: all B6.7, L9, X15, PX-7, and PX-9

Cylinder Cut Out

a EPA 02: all ISB, ISC, ISL, ISM, and ISX | EPA 07: all ISB, ISC, ISL, ISM, ISX, PX-6, and PX-8 | EPA 10: all ISB, ISC, ISL, ISX, PX-6, and PX-8 | EPA 13: all ISB, ISC, ISL, ISX, PX-7, and PX-9 | GHG17: all B6.7, L9, X15, PX-7, and PX-9 | GHG21: all B6.7, L9, X15, PX-7, and PX-9

Cylinder Misfire Monitor Tests

a CNG: All ISX 12G and ISX12N

DEF Doser Pump Override Test

EPA 10: all ISB, ISC, ISL, ISX, PX-6 and PX-8 | EPA 13: all ISB, ISL, ISX (12L and 15L), PX-7 | GHG17: all B6.7, L9, X15, PX-7, and PX-9 | GHG21: all B6.7, L9, X15, PX-7, and PX-9

DEF System Heater Test

EPA 10: all ISB, ISC, ISL, ISX, PX-6 and PX-8 | EPA 13: all ISB, ISL, ISX (12L and 15L), PX-7 | GHG17: all B6.7, L9, X15, PX-7, and PX-9 | GHG21: all B6.7, L9, X15, PX-7, and PX-9

• DEF System Leak Test

a EPA 10: all ISB, ISC, ISL, ISX, PX-6, and PX-8 | EPA 13: all ISB, ISL, ISX (12L and 15L), PX-7, and PX-9 | GHG17: NEW! all B6.7, L9, X12, X15 | GHG21: all B6.7, L9, X15, PX-7, and PX-9

• DPF Service Regen

a EPA 07: all ISB, ISC, ISL, ISM, ISX, PX-6, and PX-8 | EPA 10: all ISB, ISC, ISL, ISX, PX-6, and PX-8 | EPA 13: all ISB, ISL, ISX, PX-7, and PX-9 | GHG17: all B6.7, L9, X15, PX-7, and PX-9 | GHG21: all B6.7, L9, X15, PX-7, and PX-9

• Engine Protection Parameters

- + Limited Restart, Shutdown, and Shutdown Manual Override
 - a EPA 07: all ISX (15L) | EPA 10: all ISX (12 & 15L) | EPA 13: all ISX (12 & 15L) | GHG17: all B6.7, L9, X15, PX-7, and PX-9 | CNG: All ISX 12G and ISX12N GHG21: all B6.7, L9, X15, PX-7, and PX-9
 - **NOTE:** Access to this can be removed. Contact Noregon support for more information.

• Fuel Injector Calibration

a EPA 07: all ISC, ISL, ISX (12L and 15L), and PX-8 with Common Rail Fuel Systems | EPA 10: all ISC, ISL, ISX (12L and 15L), and PX-8 with Common Rail Fuel Systems

• Fuel Injector Performance Test

p EPA10: All ISX (12 & 15L) | EPA13: All ISX (12 & 15L) | GHG17: All L9, X12, and X15 | GHG21: all 2019-2020 L9, X12, and X15

• Fuel Injector Reset

a EPA 13: all ISB, ISL, ISX, PX-7, and PX-9 | GHG17: all B6.7, L9, X15, PX-7, and PX-9 | GHG21: all B6.7, L9, X15, PX-7, and PX-9

• Fuel Leakage Test

a **EPA 10:** all ISB, ISC, ISL, ISX (12L and 15L), PX-6, and PX-8 with Common Rail Fuel Systems | **EPA 13:** all ISB, ISL, ISX (12L and 15L), PX-7, and PX-9 with Common Rail Fuel Systems | **GHG17:** all B6.7, L9, X15, PX-7, and PX-9 with Common Rail Fuel Systems

Fuel System Table Reset

a CNG: All ISX 12G and ISX12N

Idle Shutdown

+ Idle Shutdown Status, Idle Shutdown Time

EPA 07: all ISB, ISC, ISL, ISM, ISX, PX-6, and PX-8 | EPA 10: all ISB, ISC, ISL, ISX, PX-6, and PX-8 | EPA 13: all ISB, ISL, ISX, PX-7, and PX-9 | GHG17: all B6.7, L9, X15, PX-7, and PX-9 | CNG: all ISX 12G and ISX12N | GHG21: all B6.7, L9, X15, PX-7, and PX-9

PTO Parameters

- + PTO: Enable/Disable, Additional Switch Pedal, Maximum Engine Load, Maximum Speed, Minimum Speed, Maximum Vehicle Speed, Ramp Rate, Resume Switch Speed, Set Switch Speed | ACCELERATOR PEDAL OR LEVER OVERRIDE: Enable/Disable, and Maximum Engine Speed
 - a EPA 07: all ISB, ISC, ISL, ISM, ISX, PX-6, and PX-8 | EPA 10: all ISB, ISC, ISL, ISX, PX-6, and PX-8 | EPA 13: all ISB, ISL, ISX, PX-7, and PX-9 | GHG17: all B6.7, L9, X15, PX-7, and PX-9 | CNG: all ISX 12G and ISX12N | GHG21: all B6.7, L9, X15, PX-7, and PX-9
 - **NOTE:** Access to this can be removed. Contact Noregon support for more information.

Road & Cruise Speed Limits

- + Road Speed Governor: Maximum Vehicle Speed, Maximum Accelerator Vehicle Speed, Lower Droop, Upper Droop | Cruise Control: Maximum Cruise Control Speed | Gear Down Protection: Enable/Disable, Gear Down Maximum Vehicle Speed (Heavy Engine Load), Gear Down Maximum Vehicle Speed (Light Engine Load)
 - EPA 07: all ISB, ISC, ISL, ISM, ISX, PX-6, and PX-8 | EPA 10: all ISB, ISC, ISL, ISX, PX-6, and PX-8 | EPA 13: all ISB, ISL, ISX, PX-7, and PX-9 | GHG17: all B6.7, L9, X15, and Paccar branded PX-7, and PX-9 | CNG: all ISX 12G and ISX12N | GHG21: all B6.7, L9, X15, PX-7, and PX-9
 - a **NOTE:** Access to this can be removed. Contact Noregon support for more information.

• SCR Performance and System Test

a EPA 13: all ISB, ISL, ISX, PX-7, and PX-9 | GHG17: all B6.7, L9, X15, PX-7, and PX-9 | GHG21: all B6.7, L9, X15, PX-7, and PX-9

• Trip Information Parameters

+ Vehicle Overspeed 1, Vehicle Overspeed 2

- a EPA 07: all ISB, ISC, ISL, ISM, ISX, PX-6, and PX-8 | EPA 10: all ISB, ISC, ISL, ISX, PX-6, and PX-8 | EPA 13: all ISB, ISL, ISX, PX-7, and PX-9 | GHG17: all B6.7, L9, X15, and Paccar branded PX-7, and PX-9 | CNG: all ISX 12G and ISX12N | GHG21: all B6.7, L9, X15, PX-7, and PX-9
- **NOTE:** Access to this can be removed. Contact Noregon support for more information.

Trip Reset

EPA 07: all ISB, ISC, ISL, ISM, ISX, PX-6, and PX-8 | EPA 10: all ISB, ISC, ISL, ISX, PX-6, and PX-8 | EPA 13: all ISB, ISL, ISX, PX-7, and PX-9 | GHG17: all B6.7, L9, X15, and Paccar branded PX-7, and PX-9 | Now supports CNG: all ISX 12G and ISX12N | GHG21: all B6.7, L9, X15, PX-7, and PX-9

VGT Electronic Actuator Installation and Calibration

DEPA 07: all ISB, ISC, ISL, ISM, ISX, PX-6, and PX-8 | EPA 10: all ISB, ISC, ISL, ISX, PX-6, and PX-8 | EPA 13: all ISB, ISL, ISX, PX-7, and PX-9 | GHG17: all B6.7, L9, X15, and Paccar branded PX-7, and PX-9 | GHG21: all B6.7, L9, X15, PX-7, and PX-9

VGT Hysteresis Test

a EPA 10: all ISB, ISC, ISL, ISX (12L and 15L), PX-6, and PX-8 with Common Rail Fuel Systems | EPA 13: all ISB, ISL, ISX (12L and 15L), PX-7, and PX-9 with Common Rail Fuel Systems | GHG17: all B6.7, L9, X15, PX-7, and PX-9 with Common Rail Fuel Systems | GHG21: all B6.7, L9, X15, PX-7, and PX-9

VSS Parameters

- + Vehicle Speed Sensor Anti-Tampering Sensitivity: Tampering Sensitivity Level | Vehicle Speed Source: Maximum Engine Speed Without Vehicle Source, Number of Transmission Tailshaft Gear Teeth, Rear Axle Ratio, Vehicle Speed Sensor Type
 - a EPA 07: all ISB, ISC, ISL, ISM, ISX, PX-6, and PX-8 | EPA 10: all ISB, ISC, ISL, ISX, PX-6, and PX-8 | EPA 13: all ISB, ISL, ISX, PX-7, and PX-9 | GHG17: all B6.7, L9, X15, and Paccar branded PX-7, and PX-9 | CNG: all ISX 12G and ISX12N | GHG21: all B6.7, L9, X15, PX-7, and PX-9
 - **NOTE:** Access to this can be removed. Contact Noregon support for more information.
 - □ **NOTE:** PX Engines are Paccar Branded

Heavy-Duty Support for Detroit Diesel

- Support for proprietary sensor data on all 2000 model year and newer Detroit engines.
- DPF Ash Accumulator Reset test now requires the DPF serial number for installation of new or cleaned DPF.

• Bi-Directional support for Detroit Diesel engines:

a NOTE: JPRO must connect and identify the correct Detroit Diesel engine module software versions (CPC, MCM, and/or ACM) to enable bi-directional support. Tests are not available if the correct software versions are not identified.

Cruise Speed Limits

- + Max Cruise Set Speed, Min Cruise Set Speed
- a EPA 10 to EPA 13: all DD13, DD15 and DD16 | GHG17 with Engine Software version App_040B, App_040D and App_040E, App_0410, App_0411, App_2104, App_2105 and App_2107, App_2108, and App_2109
- a NOTE: Access to this can be removed. Contact Noregon support for more information

Cylinder Cut Out

2000 to 2017: all series 50, 55, 60, DD13, DD15 and DD16 | GHG17 and newer with engine software version: App_040B, App_040B, App_040B, App_040B, App_0410, App_0411, App_3105, App_3106, App_3107, App_2104, App_2105, App_2107, App_2108, App_2109 | GHG17 with MCM Software Version: mcm_0x06DB, mcm_0x06DB, mcm_0x06F2, mcm_0x06ED, mcm_0x06EF

DEF Coolant Valve Control Test

a EPA 10 to EPA 13: all DD13, DD15 and DD16 | GHG17 with software version: App_040B, App_040D, App_040E, App_0410, App_0411, App_2104, App_2105, App_2107, App_2108, and App_2109 | GHG17 with MCM software version: mcm_0x06DB, mcm_0x06DE, mcm_0x06ED, mcm_0x06EF, and mcm_0x06F2 | ACM Software Version: acm_0x232, acm_0x236, acm_0x024E, acm_0x023E, acm_0x0250

DEF Quantity Test

a EPA 10 to EPA 13: all DD13, DD15 and DD16 | GHG17 with software version: App_040B, App_040B and App_040E, App_0410, App_0411, App_3105, App_3106, App_3107, App_2104, App_2105, App_2108, App_2109 | GHG17 with ACM Software Version: acm_0x232, acm_0x236, acm_0x24E, acm_0x023E, acm_0x0250

DOC Face Plug Cleaning

a EPA 10 to EPA 13: all DD13, DD15 and DD16 | GHG17 with software version:: App_040B, App_040D, App_040E, App_0410, App_0411 | GHG17 with MCM software version:: mcm_0x06DB, mcm_0x06DB, mcm_0x06DE, mcm_0x06F2

DPF Ash Accumulator Reset

a EPA 07: series 60 and DD15 | EPA 10 to EPA 13: for all DD13, DD15, and DD16 | GHG17 and newer DD5, DD8, DD13, DD15, and DD16 with Engine Software Version: App_040B, App_2104, App_040D, App_2105, App_040E, App_2107, App_0410, App_2108, App_0411, App_2109 | GHG17 and newer DD5, DD8, DD13, DD15, and DD16 with MCM Software Version: mcm_0x06DB, mcm_0x06ED, mcm_0x06DE, mcm_0x06EF, mcm_0x06F2 | GHG17 and newer DD5, DD8, DD13, DD15, and DD16 with ACM Software Version: acm_0x0232, acm_0x023E, acm_0x0236, acm_0x0250, acm_0x024E

DPF Service Regen

EPA 10 to EPA 13: all DD13, DD15 and DD16 | GHG17 with software version: App_040B, App_040B, App_040E, App_0410, App_0411, App_3105, App_3106, App_3107, App_2104, App_2105, App_2108, App_2109

Hydrocarbon Doser Purge

EPA 10 to EPA 13: all DD13, DD15 and DD16 | GHG17 with software version: App_040B, App_040D, App_040E, App_0410, App_0411, App_2104, App_2105, App_2107, App_2108, App_2108, App_2109 | GHG17 with MCM software version: mcm_0x06DB, mcm_0x06DB, mcm_0x06F2, mcm_0x06ED and mcm_0x06EF

• Idle Shutdown

- + Idle Shutdown Status, Idle Shutdown Time
- a **EPA 10 to EPA 13:** all DD13, DD15 and DD16 | **GHG17 with software version:** App_040B, App_040E, App_040E, App_410, App_0411, App_2104, App_2105, App_2107, App_2108, and App_2109

• Intake Throttle Valve Test

a EPA 10 to EPA 13: all DD13, DD15 and DD16

• Metering Unit Flood Routine

a EPA 10: all DD13, DD15 and DD16

Parked SCR Efficiency Test

a EPA 10 to EPA 13: all DD13, DD15 and DD16 | GHG17 and newer with engine software version: App_040B, App_040B, App_040E, App_0410, App_0411, App_2104, App_2105, App_2105, App_2107, App_2108, and App_2109 | GHG17 with ACM software version: acm_0x0232, acm_0x0236, acm_0x024E, acm_0x023E, acm_0x0250

Performance Check Low Temp ATD

EPA 10 to EPA 13: all DD13, DD15 and DD16 | GHG17 and newer with engine software version: App_040B, App_040B, App_040E, App_0410, App_0411, App_2104, App_2105, App_2107, App_2108, and App_2109 | GHG17 and newer with MCM software version: mcm_0x06DB, mcm_0x06DB, mcm_0x06F2, mcm_0x06ED, mcm_0x06ED, mcm_0x06EF

PTO Parameters

+ General PTO (Config PTO Speed control, PTO Remote Throt Override Mode, Throttle Override Max Eng Speed, PTO Dropout Serv Brk Prk Brk, PTO Dropout on Clutch Enabled, Max Road Speed in PTO Mode, PTO Ramp Rate, PTO Cab Switches Mode, PTO Accel Pedal Override Mode, RPM Increment) | Cab PTO (Min PTO Spd Set Coast Sw, Max PTO Spd Resume Accel Sw, Set Coast Switch PTO Speed, Resume Accel Switch PTO Speed) | Remote PTO (Remote PTO Spd Selection Mod, No of Speeds Via Remote PTO, Spd 1 Via Remote PTO, Spd 2 Via Remote PTO, Spd 3 Via Remote PTO) | Inputs (2 08 DI Selection, 2 09 DI Sw Config (EPA 10 Only), 2 09 DI Selection (EPA 13 only), Remote Accelerator Enable)

a EPA 10 to EPA 13: all DD13, DD15 and DD16

Road Speed Limits

- + Maximum Road Speed Limits
 - a EPA 10 to EPA 13: all DD13, DD15 and DD16 engines | GHG17 and newer with engine software version: App_040B, App_040D, App_040E, App_0410, App_0411, App_2104, App_2105, App_2107, App_2108, and App_2109
 - a **NOTE:** Access to this can be removed. Contact Noregon support for more information

- SCR Air Pressure System Check
 - a EPA 10: all DD13, DD15 and DD16 engines
- SCR Airless Doser System (ADS) Self Check
 - a **EPA 13:** all DD13, DD15 and DD16 engines | **GHG17 and newer with engine software version:** App_040B, App_040B, App_040E, App_0410, App_0411, App_2104, App_2105, App_2105, App_2107, App_2108, and App_2109 | **GHG17 with ACM software version:** acm_0x0232, acm_0x0236, acm__0x024E, acm_0x023E, acm_0x0250
- SCR System Output Component test
 - a EPA 10 to EPA 13: all DD13, DD15 and DD16 engines | GHG17 and newer with engine software version: App_040B, App_040B, App_040E, App_0410, App_0411, App_2104, App_2105, App_2107, App_2108, and App_2109 | GHG17 with MCM Software Version: mcm_0x06DB, mcm_0x06DE, mcm_0x06ED, mcm_0x06EF | GHG17 with ACM software version: acm_0x0232, acm_0x0236, acm__0x024E, acm_0x023E, acm_0x0250
- VSS Parameters
 - + Vehicle Speed Sensor, Axle Ratio, Tire Revs Per Unit Distance, Top Gear Ratio, Second Highest Gear Ratio, Number of Output Shaft Teeth, Anti Tamper, VSS Absolute Diagnostics Limit (EPA 13 only), VSS Driving Diagnostic Limit (EPA 13 only), Wheel Revs Front Axle NR (EPA 13 only)
 - a EPA 10 to EPA 13: all DD13, DD15 and DD16
 - **note:** Access to this can be removed. Contact Noregon support for more information
 - **NOTE:** To see the software version, select the engine and look in the bottom left of JPRO

Heavy-Duty Support for International

- Support for proprietary sensor data on all EPA 07 and newer International engines
- Bi-Directional support for International engines:
 - Actuator Tests
 - + Aftertreatment (AFT) Fuel Shutoff Valve
 - **EPA 10:** Maxxforce 11 and 13 engines | **A26 engines**
 - + Aftertreatment (AFT) Fuel Doser
 - a EPA 10: Maxxforce 11 and 13 engines
 - + Engine Throttle Valve (ETV) Position
 - a EPA 10: Maxxforce 11 and 13 engines | 2013: N13 engines | A26 engines
 - + Exhaust Gas Recirculation (EGR) Valve Position
 - **EPA 10:** Maxxforce 11 and 13 engines | **2013:** N13 engines | **A26 engines**
 - + Exhaust Back Pressure Valve
 - a EPA 10: Maxxforce 11 and 13 engines | 2013: N13 engines
 - Aftertreatment Fuel Enable Actuator Leak Test
 - A26 Engines
 - Aftertreatment Hydrocarbon Doser Leak Test
 - A26 Engines
 - Aftertreatment Hydrocarbon Dosing System Test
 - A26 Engines
 - Aftertreatment Reset
 - a EPA 07 and EPA 10: Maxxforce 11 and 13 engines
 - Auxiliary Engine Speed Control (PTO) Parameters
 - General (AESC Mode, AESC Maximum Vehicle Speed, AESC In Cab Mode Preset, AESC In Cab Operator Interface, AESC Ramp Rate, AESC Maximum Engine Speed, AESC Engine Speed Limit with VSS Fault, AESC Vehicle Speed, AESC Maximum Engine Load, AESC Minimum Engine Speed, AESC Maximum engine Load Time) | Enable/Disable (AESC Remote Pedal Enable, AESC Disable with Clutch, AESC Disable with Brake, AESC IDisable with APS, AESC Disable ATC with Service Brake, AESC Disable AESC with Parking Brake Released, AESC Disable AESC with Driveline Status, AESC Disable AESC with In-Cab Controls, AESC Disable AESC with Vehicle Speed, AESC SPDT Enable, AESC Disable RP with Service Brake, AESC Disable RP with Parking Brake Released, AESC Disable RP with Driveline Status, AESC Disable RP with In-Cab Controls, AESC Disable RP with Vehicle Speed, AESC Disable with Parking Brake), Preset (AESC Preset Engine Speed 1 (Set), AESC Preset Engine Speed 2 (Resume), AESC Disable RP with Vehicle Speed, AESC Disable with Parking Brake), Preset Engine Speed 5, AESC Preset Engine Speed 6, AESC Engine Speed 1 (Set), AESC Preset Engine Speed 2 (Resume), AESC Preset Engine Speed 3, AESC Preset Engine Speed 4, AESC Preset Engine Speed 5, AESC Preset Engine Speed 6, AESC Engine Speed Throttle Down Ramp Rate, AESC Bump Up / Down Step, Remote AESC Preset Engine Speed Select), Advanced Configuration (AESC Return to 0, Interrupt DPF Regeneration when AESC Activated, Load Threshold for Loaded AESC Applications, Force Fan on with AESC Active, Master Switch for Setting Source Addresses), Configuration Parameters (Remote Pedal Mode, AESC Enable RP Overrides, AESC Enable AESC Overrides, AESC Speed Controlled to Engine Load, Auxiliary Engine Speed Control Switch Mode, Transfer Case Switch Signal Source, Vehicle Speed Signal Mode, Transfer Case Input Mode Select, Remote Accelerator Enable Switch, Disable CAP with AESC is Enabled, Cruise Control/AESC On/Off Switch Input
 - a EPA 07 Maxxforce 7, DT, 9, 10, 11, and 13 Engines | EPA 10 Maxxforce 7, 9, DT, 10, 11, 13 and 15 Engines | N9, N10, 2013 N13, 2015 N13, and A26 engines NOTE: Access to this can be removed. Contact Noregon support for more information.
 - CDPF Reset
 - **EPA 07 and EPA 10:** Maxxforce 7, DT, 9 and 10 engines
 - Cylinder Cut Out
 - **EPA 07:** Maxxforce 7, DT, 9, 10, 11, and 13 engines | **EPA 10:** Maxxforce 9, DT, 10, 11, and 13 engines | N9, N10, 2013 N13, 2015 N13 | **A26** engines
 - DEF Doser Pump Override Test
 - a N9, N10, 2013 N13, and 2015 N13 engines
 - DOC/DPF replacement reset
 - a N9, N10, 2013 N13, and 2015 N13 engines | A26 engines

• DPF Service Regen

- a EPA 07: Maxxforce 7, DT, 9, 10, 11, and 13 engines | EPA 10: Maxxforce 7, DT, 9, 10, 11, and 13 engines | N9, N10, 2013 N13, 2015 N13 and A26 engines
- **NOTE:** Can be started from either the Bi-directional test selection or the Aftertreatment Diagnostics screen

Fuel Pressure Adaptive Reset

EPA 07: Maxxforce 7 engines | **EPA 13:** Maxxforce 7 engines

• Idle Shutdown Time

- + Idle Shutdown Timer Mode, Engine Idle Shutdown Time, Idle Shutdown Time No parking Brake Set, Idle Shutdown Time with Park Brake
 - EPA 07: 7, DT, 9, and 10 engines | EPA 13: DT, 9, 10, 11, 13 and 15 engines | EPA 13 Maxxforce 7, 9, DT, 10, 11, and 13 engines | N9, N10, N13, and A26 engines

KOEO Injector Test

a EPA 07: Maxxforce 7, DT, 9, and 10 engines | EPA 10: Maxxforce DT, 9, and 10 engines | N9 and N10 engines

KOEO Standard Test

a EPA 07: Maxxforce 7, DT, 9, and 10 engines | EPA 10: Maxxforce 7, DT, 9, and 10 engines | N9, N10, and 2015 N13 engines

KOER Air Management Test

a EPA 07: Maxxforce 7, DT, 9, and 10 engines | EPA 10: Maxxforce 7, DT, 9, 10, 11 and 13 engines | EPA 13: Maxxforce 7 engines | N9, N10, and 2015 N13 | A26 engines

• KOER Standard Test

a EPA 07 to EPA 13: Maxxforce 7, 9, and 10 engines | N9 and N10 engines

Road & Cruise Speed Limits

- + Max vehicle Speed, Cruise Control Mode, Cruise Control Vehicle Speed Low Limit, Cruise Control Vehicle Speed High Limit, Max Vehicle Speed with Road Speed Limiting On, Max Vehicle Speed with Cruise Control, Road Speed Limiting Vehicle Speed Limiting Control Module
 - a **EPA 07:** Maxxforce 7, DT, 9, and 10 engines | **EPA 10:** Maxxforce DT, 9, 10, 11, 13 and 15 engines | **EPA 13 Maxxforce** 7, 9, DT, 10, 11, and 13 engines | N9, N10, N13, and A26 engines
 - **NOTE:** Access to this can be removed. Contact Noregon support for more information.

SCR Fault Reset

a N9, N10, and 2013 N13 engines | A26 engines

VSS Parameters

- + Vehicle Speed Anti-Tampering Enabled, Tire Revs Per Mile, Rear Axle Ratio Low, Rear Axle Ratio High, Transmission Top Gear Ratio, Transmission Tailshaft Gear Teeth, Vehicle Speed Signal Mode, Vehicle Speed Source Selection When Split Shaft is Active
 - a EPA 07: Maxxforce 7, DT, 9, 10, and 13 engines | EPA 10: Maxxforce 7, 9, DT, 10, 11, 13 and 15 engines | N9, N10, 2013 N13, 2015 N13, and A26 engines
 - a NOTE: Access to this can be removed. Contact Noregon support for more information.

Heavy-Duty Support for Mack & Volvo

- Supports all Mack, Volvo and Prevost vehicles.
- Displays all standard and proprietary fault codes for all components.
- Ability to resolve partial Chassis ID to full VINs on Mack/Volvo vehicles.
- Improved powertrain fault readings on EPA 13 Mack/Volvo vehicles.
- Support for proprietary sensor data on all EPA 07 and newer Mack/Volvo engines.
- Support for reading proprietary NOx sensor data on all EPA 13 and newer Mack/Volvo engines.
- Mack and Volvo Specific Reports including: Trip Report and Life of Vehicle Report
 - no NOTE: Reports only available on Mack EPA07 and newer vehicles with the DataMax parameter enabled.
 - a NOTE: Reports only available on Volvo 2012 and newer with the DataMax parameter enabled.
- Exit Inducement test was separated from the DEF Dosing Valve Test as is now its own test for ease of use.

• Bi-Directional support for Mack & Volvo engines:

• Aftertreatment Injector Activation for Flow Test

p EPA 07 engines

Cylinder Cut Out Tests

EPA 07 engines to **GHG17** engines

DEF Dosing Valve Test

pa EPA 10 engines to GHG17 engines

• DEF Pressure System Test

EPA 13 engines to **GHG17** engines | Now supports **EPA 10**

• DPF Service Regen

- **EPA 07** engines to **GHG17** engines
- Now available from the Aftertreatment Diagnostics window for Mack and Volvo Engines.

• DPF System Reset

EPA 07 engines to **GHG17** engines

EGR Function Test

a Now supports **EPA 07** and **EPA 10** all major software versions

Enable or Disable Cruise Control

© EPA 07 engines to GHG17 engines

Fan Activation Test

a Now supports EPA 07 and EPA 10 all major software versions

• Fuel Shut-off Valve Test

a Now supports EPA 07 and EPA 10 all major software versions

Hydrocarbon Dosing Control Valve Test

Now supports EPA 10 all major software versions

Learned Data Reset

EPA 07 engines to GHG17 engines

NOx Conversion Monitor Test

EPA 13 engines to GHG17 engines

Purge Air Valve Test

a Now supports **EPA 10** all major software versions

SCR Regeneration

EPA 13 engines to GHG17 engines

Cruise Max and Min Speeds

- + Cruise Max Set Speed, Cruise Min Set Speed, Cruise Control Min Speed to Resume, Road Speed Limit for Cruise Control
- **EPA 07** engines to **GHG17** engines
- a NOTE: Access to this can be removed. Contact Noregon support for more information.

Set Road Speed Limit

- + Customer Road Speed Limit, Road Speed Limit Pedal Driving, Road Speed Limit Mandated by Law
 - □ EPA 07 engines to GHG17 engines
- NOTE: Access to this can be removed. Contact Noregon support for more information.

• Idle Shut Down Times

- + Idle Shutdown Time
- pa EPA 07 engines to GHG17 engines
- **NOTE:** Access to this can be removed. Contact Noregon support for more information.

Trip Reset

a MACK EPA 07 and Newer Vehicles with DataMax parameter enabled | VOLVO 2012 and Newer Vehicles with DataMax parameter enabled

VGT Electronic Actuator Installation and Calibration

a EPA13 to GHG17

VGT Function Test

a Now supports EPA 07 and EPA 10 all major software versions

VGT Monitor Test

EPA 13 engines to **GHG17** engines

Warm Hold Function Test

- **EPA 07** engines to EPA 10 engines
- NOTE: Mack and Volvo coverage requires Internet access at least once a month. Failure to provide Internet access will result in the application limiting use and eventually shutting off the features.
- NOTE: Mack and Volvo coverage only supports the following adapters: Noregon DLA+ 2.0, DLA+ 2.0 Wireless, DLA+, DLA+ Wireless, DLA+ PLC, Vocom 88890300m, NEXIQ USB-Link™ and NEXIQ USB Link™ 2

Heavy-Duty Support for Mercedes-Benz

- Support for proprietary sensor data on MBE 900 and 4000 engines.
- Bi-Directional support for EPA 07 to EPA 13 engines:
 - Cylinder Cut Out
 - **EPA 07** engines
 - DPF Parked Regeneration
 - p EPA 07 engines

Heavy-Duty Support for Paccar

- Support for all PACCAR Body Controllers and engines including clearing faults.
 - a NOTE: Paccar Body Controller faults are only supported on 2007 and newer Kenworth and Peterbilt trucks.
 - □ NOTE: Paccar Body Controller faults on the KWP2000 protocol can only be read when using the JPRO® DLA+, DLA+ Wireless, DLA+ 2.0 or DLA+ 2.0 Wireless adapter. If using the JPRO® DLA+ or JPRO® DLA+ Wireless adapter, please ensure the label on the back of the adapter indicates it is 'Rev P Compatible'.
- Support for 2016 Peterbilt and Kenworth trucks with or without the PACCAR Y-cable (PACCAR P/N: 42-02848) available from the PACCAR dealer network.
- Supports reading and clearing proprietary fault codes on all EPA 10 to GHG17 MX engines.
- Supports reading proprietary diagnostic fault codes for CECU3 500 and VECU controllers.
- Bi-Directional support for Paccar engines:
 - Automated Cylinder Performance test
 - **EPA 10** engines to **EPA 13** all MX engines
 - Check Internal DEF Pump Module Heater
 - **EPA 13** all MX engines
 - Cylinder Cut-Out
 - a GHG17 all MX engines
 - DEF Doser Pump Test
 - **EPA 10** engines to **GHG17** all MX engines
 - DEF Heater Test
 - **EPA 10** engines to **GHG17** all MX engines

- DPF Service Regen
 - a EPA 10 engines to GHG17 all MX engines
 - a NOTE: Can be started from either the Bi-Directional test selection or the Aftertreatment Diagnostics screen.
- Enable Regeneration After Aftertreatment System Repair
 - □ EPA 10 engines to EPA 13 all MX engines | Contact Noregon Support to help verify this test on GHG17 MX engines.
- Evaluate NOx Sensors Test
 - a EPA 13 all MX engines
- Install a New or Cleaned DPF
 - EPA 13 all MX engines | Contact Noregon Support to help verify this test on GHG17 MX engines.
- Reset the Soot Level
 - □ EPA 10 engines to EPA 13 all MX engines | Contact Noregon Support to help verify this test on GHG17 MX engines.
- Turbo Actuator Effort Test
 - EPA 10 engines to EPA 13 all MX engines | Contact Noregon Support to help verify this test on GHG17 MX engines.

NOTE: For PX-6, PX-7, PX-8 or PX-9 engine bi-directional test support, please see the Cummins features

TRANSMISSION SUPPORT

Heavy-Duty Support for Allison

- Supports reading and clearing faults on: 1000/2000 Pre-4th Gen | WTEC II | WTEC III | 1000/2000 4th Gen | 3000/4000 4th Gen | 1000/2000 5th Gen | 3000/4000 5th Gen | TC10
- Supports reading and displaying the Check Transmission Lamp and Service Indicator Lamp on Allison 5th Gen transmissions
- Bi-Directional support for Allison Transmissions:
 - Reset Fast Adaptive Shifts
 - a Supported on 1000/2000 Pre-4th Gen, 1000/2000 and 3000/4000 4th Gen, 1000/2000 and 3000/4000 5th Gen
 - Reset Filter Life Monitor
 - a 1000/2000 and 3000/4000 4th Gen, 1000/2000 and 3000/4000 5th Gen
 - Reset Oil Life Monitor
 - a 1000/2000 and 3000/4000 4th Gen, 1000/2000 and 3000/4000 5th Gen
 - Service Indicator Lamp Test
 - a 1000/2000 and 3000/4000 4th Gen,1000/2000 and 3000/4000 5th Gen
 - Transmission Fault Lamp Test
 - a 1000/2000 and 3000/4000 4th Gen,1000/2000 and 3000/4000 5th Gen

Heavy-Duty Support for Detroit Deisel

• Supports reading SAE faults and data for: DT12

Heavy-Duty Support for Eaton

Supports reading SAE faults and data for: Gen i AutoSelect / AutoShift, Gen II AutoShift / UltraShift ASW / UltraShift DM, Lightning, Gen III
 Ultrashift PLUS, Advantage Series, Gen III AutoShift / UltraShift Hybrid Electric, Procision Series, Endurant Series, Gen III AutoShift / UltraShift
 / Ultrashift PLUS, VORAD 300, VORAD 400 FLR, Hybrid Drive System Controller

Heavy-Duty Support for Mack and Volvo Transmissions

Displays standard and proprietary fault codes for all Mack and Volvo Transmissions

Heavy-Duty Support for ZF Meritor Transmissions

• Supports reading SAE faults and data for: SureShift, FreedomLine

BRAKE MANUFACTURER SUPPORT

Heavy-Duty Support for Bendix

- Supports identification of all Bendix components.
- Includes ACom® Legacy to support older Bendix ECUs not currently supported by JPRO® Commercial Vehicle Diagnostics.

- Bendix DTC Report support for overall health report of all Bendix components.
- Bendix Sheppard Active Steering component data and faults support added.
- Supports reading Fault Codes and sensor data for Bendix EC-80 EAC.
- Bendix proprietary fault codes will include the SAE SPN or SID, and FMI in the displayed fault description.
- Bendix DTC Report updated to include Event Counters, ESP Counters, and VINs/Chassis Ids from all components that report it.
- Bendix Data Reporting (BDR) file is now generated for EC-80 braking systems when the DTC report is printed or submitted.
- Supports faults, data, and tests for EC-80 ROM 4.1 and ROM4+ braking systems.
- Supports reading fault codes and sensor data for Bendix EC-80 EAC (Electronic Air Controller) components.
- Bendix DTC Report has been enhanced for better performance and layout.
- Trailer Brake Key Data Points now support all Bendix dynamic MIDs and display the MID for clarity.

Bendix Tractor Brakes

- Support reading and clearing Bendix Proprietary Fault Codes on all EC-60 and EC-80 braking systems.
- Support reading data and fault codes from the Intellipark™ Electronic Park Brake System.
- Support for proprietary sensor data on all EC-60 and EC-80 braking system and ADB Wear Sensing.
- Event History supports reading:
 - a Event Counters for EC-80 braking systems.
 - a ESP Counters forEC-60 and EC-80 braking systems.
- Supports reading and clearing Event History records on all EC-60 and EC-80 braking systems.
- ABS Monitor provides an at-a-glance assessment of the braking system's health by monitoring related electrical and pneumatic components
- Event History supports reading Event Counters and ESP Counters for EC-80 braking systems.
- CPC Configuration Layout displays Central Pressure Controller diagram for the reported EC-80 CPC.
- Supports reading and clearing proprietary fault codes for Intellipark.
- **NEW!** Lookup Codes replace blink codes for path-type faults for the EC-80.
- NEW! Support added for EAC Solenoid State (Compressor State) SAE parameter.
- **NEW!** Users will be automatically prompted to run the ABS ECU Recovery test when required, based on the configuration of the EC-80 ABS ECU.
- Bi-Directional support for Bendix Tractor brakes:
 - ABS Configuration
 - + ABS (Configuration Additional Axle, Engine Retarder Control, Rail Mode) | Tire Size (Tire Size RPM) | ATC (ATC Control, Traction Control Switch) | ESP (Yaw Control, RSP, Steering Angle Sensor Orientation, Lateral Acceleration Sensor Orientation, Yaw Rate Sensor Orientation, Trailer Modulator, Air Bag) | Broadcast (High Resolution Wheel Speed, Wheel Speed Information, Electronic Brake Controller, Cruise Control/Wheel Speed, Brake Message, J1939: High Resolution Wheel Speed, J1939: Wheel Speed Information, J1939: Electronic Brake Control, J1939: Cruise Control/Wheel Speed, J1587: PID 49 ABS Control Status, J1587: PID 84 Road Speed Information, J1587: PID 151 ATC Control Status, J1587: PID 168 Battery Potential (Voltage), J1587: PID 194 Diagnostics Data Requests (Faults), J1587: PID 168 Battery Potential (Voltage), J2497: PID 194 Diagnostics Data Requests (Faults), J2497: PID 209 ABS Control Status (Trailer), J2497: PID 245 Odometer (Trailer))
 - a EC-60 braking systems | EC-80 braking systems | J1939 Broadcast Parameter Configuration for EC-80 braking systems and all EC-60 braking systems
 - ABS Engine Limiting Test
 - a EC-60 Advanced braking systems | EC-80 ATC or ESP braking systems
 - ABS Pressure Test
 - a **EC-60** braking systems | **EC-80** ESP/ESP+ braking systems
 - ABS Self-Config Test
 - a EC-60 braking systems | EC-80 ABS or ATC braking systems
 - ATC Configuration
 - + ATC Control, Traction Control Switch
 - **EC-80** ATC or ESP braking systems
 - Battery Voltage Test
 - a EC-60 braking systems | EC-80 braking systems
 - Braking System Switches Test
 - a EC-60 braking systems | EC-80 braking systems
 - Cartridge Lifetime Prediction Reset Test
 - a EC-80 EAC braking systems
 - Dashboard Lamp Tests
 - a EC-60 braking systems | EC-80 braking systems
 - Drag Torque Test
 - a EC-60 Premium or Advanced braking Systems | EC-80 ATC or ESP braking systems
 - ECU Reset
 - a EC-60 and EC-80 braking systems
 - ESP Lamp Test
 - a EC-80 ESP/ESP+ braking systems

Maintenance Mode

a Intellipark Systems

Modulator Valve (Chuff) Tests

a EC-60 braking systems | EC-80 braking systems | CPC support on EC-80 braking systems

Steering Angle Test and Calibration

a **EC-60** Advanced braking systems | **EC-80** ESP/ESP+ braking systems | **EC-80** ABS or ATC braking systems

Wheel Speed Chart Test

a All braking systems reporting wheel speed values

Wheel Speed Window Test

a All braking systems reporting wheel speed values

Wiggle Test/Performance Issue Monitoring

a EC-60 braking systems | EC-80 braking systems

Yaw Rate and Lateral Accel. Test and Calibration

EC-60 Advanced braking systems | EC-80 ESP/ESP+ braking systems

Bendix Trailer Brakes

- Supports reading proprietary fault codes and SAE sensor data for Bendix® TABS-8® Trailer ABS module.
- Supports reading proprietary fault codes and SAE sensor data for Bendix® TABS-6® Single Channel (SC) and Multi-Channel (MC) Trailer
 ABS modules.
- Supports trailer diagnostic over CAN for Bendix® TABS-8® Trailer ABS Module using Bendix 4-pin to 9-pin extended diagnostics cable.
- **NEW!** Updated Service Data sheets for Intellipark and TABS8.
- NEW! The Installation Test provides a suite of tests used to validate if the TABS-8® Trailer ABS and its sensors are installed and
 functioning properly.
 - a Installation Test report provides general ECU information, test results, and information gathered by individual tests.
 - a Individual installation tests are also available from the bi-directional test menu.

• NEW! Bi-Directional support for Bendix Trailers:

NEW! ABS Indicator Lamp Test

a TABS-8® Trailer ABS

NEW! Axle Load Test

a TABS-8® Trailer ABS

NEW! Battery Voltage Test

a TABS-8® Trailer ABS

NEW! Door Switch Test

a TABS-8® Trailer ABS

• NEW! ECU Information Test*

a TABS-8® Trailer ABS

NEW! General Output Functions Test

a TABS-8® Trailer ABS

• **NEW!** Installation Angle Test

a TABS-8® Trailer ABS

• NEW! Installation Configuration Test

a TABS-8® Trailer ABS

• NEW! Lift Axle Control Testt

a TABS-8® Trailer ABS

NEW! Lift Lower Test

a TABS-8® Trailer ABS

NEW! List Axle Sensing Test

a TABS-8® Trailer ABS

NEW! Low Pressure Warning Emergency Test

a TABS-8® Trailer ABS

NEW! Low Pressure Warning Service Test

a TABS-8® Trailer ABS

NEW! P-21 Modulator Test

a TABS-8® Trailer ABS

NEW! Pad Wear Test

a TABS-8® Trailer ABS

NEW! Pressure Sensor Test

a TABS-8® Trailer ABS

NEW! S-C and S-D Sensor Tests

a TABS-8® Trailer ABS

NEW! Scratchpad Test*

a TABS-8® Trailer ABS

• NEW! Tire Inflation System Test

a TABS-8® Trailer ABS

^{*}Test only displayed within the Installation Test dialog.

Bendix Driver Assistance Systems (DAS)

- Support reading and clearing Bendix Fault Codes and reading sensor data on: AutoVue® 3G LDW System, SafetyDirect® Web Portal Processor (3G and 5G), AutoVue® FLC20 Camera, Wingman FLR20/21 Radar, Blindspotter® Radar, Vorad VS500 Radar, Driver Interface Unit (DIU)
- Supports reading and clearing Event History records on all FLR 21 ECUs.
- Wingman FLR Configuration test now defines Following Distance Alerts configuration numbers.
- Safety Direct Event Reporting parameter is configurable in AutoVue® 3D Configuration and SDP3/SDP5 Configuration.
- Enhanced handling of clearing faults when the FLC20 Image Processor Calibration Error is present.
- SPTAC Calibration test has updated SPC Parameters support.
- TSR Configuration now supports configuration of SA for Country Select and TSR Enable/Disable parameters.
- Sheppard Active Steering component data and faults support added.
- SDP Configuration test now supports updating shared parameters to EC-80 braking systems as well as the FLC20.
- SDP3/SDP5 Configuration test now supports updating shared parameters to EC-80 braking systems as well as the
- SafetyDirect® Web Portal Processor (3G and 5G).
- Support reading and clearing Fault Codes and reading sensor data for the Wingman FLR25.
- SPTAC Calibration Far Calibration step provides target distance from the vehicle in addition to distance from camera for more
 precise calibration.

• Bi-Directional support for Bendix Driver Assistance Systems:

• AutoVue 3G Configuration

- + Enable Startup Chirps, Enable Radio Mute Discrete Output, Allow Driver Volume Control, LDW Warning Alert Type, LDW Minimum Operating Speed, TPMS Sampling Interval
 - a AutoVue® 3G LDW System

• Blindspotter Configuration

- + Enable Auto Baud Rate, Set J1939 Baud Rate, Legacy Mode, Hazard Lamp Suppression, Fixed CCVS Acceptance Address, Sensor Location, Extra CAN Target Messages, FOV Speed Threshold, J1939 Base Source Address, Suppress Side Object Display BIST
 - a Blindspotter® Radar
 - o (NOTE: only available if the Bendix OE Parameters license attribute is enabled).

• Camera Snapshot Test

a AutoVue® FLC20 Camera

Clear Stored Events and Videos

a AutoVue® 3G LDW System | SafetyDirect® Web Portal Processor (3G and 5G)

Coil Polarity Check

a Sheppard Active Steering components

• DIU Configuration

 Minimum Volume Percentage, Minimum Volume Retained, Power-Up Tone, 2 Second Alert Tone, 1 Second Alert Tone, Headway Alerts when Breaking, Collision Alert when Braking, Wingman Advanced Alerts, Left Speaker Diagnostics, LDW Audio Support, Right Speaker Diagnostics, Blackout Mode
 Driver Interface Unit

• FLC Camera Configuration

a AutoVue® FLC20 Camera

Indicator Component Tests

a AutoVue® 3G LDW System | SafetyDirect® Web Portal Processor (5G)

• Lamp Component Test

AutoVue® 3G LDW System | SafetyDirect® Web Portal Processor (5G)

LDW Configuration

+ LDW, LDW Minimum Operating Speed, LDW Sensitivity (Left Side), LDW Sensitivity (Right Side), LDW + Blindspotter 2 Integration

• AutoVue® FLC20 Camera

Output Component Tests

a AutoVue® 3G LDW System | SafetyDirect® Web Portal Processor (3G and 5G)

Pressure Trimming & Coil Polarity Test

Bendix Active Steering

Radar Service Alignment

a Wingman FLR25 Radar

Safety Direct Event Configuration

+ SD Event Collection (Safety Direct Event Reporting, Record Time Before Event Trigger, Record Time After Event Trigger, SD Manual Event Video Length, SD Overspeed Grace Threshold, SD Overspeed Video Snapshots OTA) | SD Event Triggers (Hard Braking Force, Severe Hard Braking Force, Excessive Turning Force, Severe Excessive Turning Force, Following Distance Time, Following Distance Duration, Severe Following Distance Duration, SD Severe Lane Mark No. Track Time, Vehicle Overspeed Limit Threshold, Vehicle Speeding Trigger)

SD Min Speeds (Braking Trigger Minimum Speed, Excessive Turning Trigger Minimum Speed, Following Distance Minimum Speed)

a AutoVue® 3G LDW System | SafetyDirect® Web Portal Processor (3G and 5G)

Safety Direct Event Selection Configuration

- Notification Beep (Excessive Curve Speed, Excessive Braking, Distance Alert, Forward Collision Warning, Collision Mitigation Braking, ESC, RSC, Over Speed Limit, Vehicle Speeding) | Video Recording (Excessive Curve Speed, Excessive Braking, Distance Alert, Forward Collision Warning, Collision Mitigation Braking, ESC, RSC, Over Speed Limit, Vehicle Speeding)
 - a AutoVue® 3G LDW System | SafetyDirect® Web Portal Processor (3G and 5G)

• SDP3/SDP5 Configuration

- + Enable Startup Chirps, Enable Radio Mute Discrete Output, LDW Driver Disable Switch Type, Alert Type, Audio Sound Type, TPMS Sample Interval, SD Cellular Enable, DVR Options, Video Input Camera Type, Cellular Enable, FLC Camera, DFC Camera, MPC2 Camera, CTP OBC, Private CAN, Backup Battery, Use Only CTP for Data Offloading, TPMS Sampling Interval)
 - a Updated parameters for **SafetyDirect®** Web Portal Processor (3G and 5G)

• Speaker Volume Configuration

a AutoVue® 3G LDW System | SafetyDirect® Web Portal Processor (3G and 5G)

SPTAC Calibration

a AutoVue® 3G LDW System

Startup Chirp Volume Setting

a SafetyDirect® Web Portal Processor (3G and 5G)

TSR Configuration

+ Traffic Sign Recognition, TSR OverSpeed Alert, TSR OverSpeed Alert and Action, Source Address for the Country Select Message

a AutoVue® 3G LDW System

Wingman FLR Configuration

+ General Settings (ACC Lateral Mounting Offset, Stationary Object Warning, Direct TSC1 Control, Highway Departure Braking, ACC Type, Multi-Lane AEB, ACC Type Engine Mismatch) | DFA ALerts/Following Distance Settings (Following Distance Alert Table, Momentary FDA)

a Wingman FLR20/21 Radar | Vorad VS500 Radar

Bendix Tire Pressure Monitoring System (TPMS)

- Support reading and clearing Bendix proprietary fault codes on all SmarTire™ TPMS solutions.
- Support for proprietary sensor data on all SmarTire™ TPMS solutions.
- Supports reading and clearing mileage accumulation statistics and sensor fault occurrences on all SmarTire™ NextGen TPMS solutions.
- TPMS Diagnostics provides an at-a-glance assessment of the Bendix TPMS system's health by monitoring related data.
- TPMS Signal Strength Test now supports saving all received signal strength information to a file that can be sent to Bendix engineering for analysis.
- TPMS Parameters now supports changing vehicle type and vehicle ID for NextGen TPMS controllers.
- TPMS key data points screen displays tire pressure and temperature data for configured sensor ID's, and ECU selection for multiple TPMS ECUs
 on the same connection.
- Supports saving TPMS Info Events to a local file

Bi-Directional support for Bendix TPMS:

• TPMS Ambient Sensor Configuration

+ Global Settings (Altitude Compensation) | Ambient Application Configuration (Ambient Sensor ID Code, Ambient Condition Enable, Ambient Pressure From Sensor, Ambient Pressure Enable, Ambient Sensor Fault Enable)

□ All SmarTire™ TPMS solutions

• TPMS Configuration

☐ All **SmarTire™** TPMS solutions

• TPMS Lamp Display Configuration

a **SmarTire™** Standard and NextGen TPMS solutions

TPMS Parameters

+ Global Settings (First Alert Level, Temperature Compensate FAL, Second Alert Level, Temperature Compensate SAL, High Temperature, Auto Learn Setting, Tire Condition Pressure Mode) | Sensor Fault Time Programming (Sensor Fault Time Rolling Mode, Custom Stationary Sensor Fault Time, Sensor Fault time Stationary Mode, Custom Ambient Sensor Fault Time, Sensor Fault Time for Ambient Sensor) | Programming Restrictions (Gauge Units Menu, Gauge Parameters Menu, Gauge Axle Menu, Gauge Altitude Menu, Gauge Learn Menu, Gauge Profile Menu, Gauge Password Menu, PIN Code to Unlock Display) | Dual Tire Imbalance (Dual Tire Imbalance Enable, Dual Tire Imbalance Pressure Limit) | Low Power Mode (Vehicle Battery Check Interval, Minimum Vehicle Battery, Maximum Sensor Data Age) | Low Power Mode Stage 1 (Stage One Sleep Time, Stage One Repetitions) | Low Power Mode Stage 2 (Stage Two Sleep Time, Stage Two Repetitions) | Low Power Mode Stage 3 (Stage Three Sleep Time) | Vehicle and Trailer Settings (Vehicle Type, Vehicle ID, Trailer Learn, Exclusive Trailer, Exclusive Trailer, Exclusive Trailer ID) | Antenna Configuration (Internal Antenna)

TPMS Scratchpad

□ SmarTire™ NextGen TPMS solutions

• TPMS Signal Strength Test

a All **SmarTire™** TPMS solutions (except for Standard TPMS models 200.0213, 200.0216, and 200.0219)

• TPMS Service Replacement

□ All SmarTire™ TPMS solutions

TPMS Statistics

□ SmarTire™ NextGen TPMS solutions

BENDIX AUXILIARY COMPONENTS

Supports reading Bendix Proprietary Fault Codes and data for the PLC Relay.

Heavy-Duty Support for Haldex

- Support proprietary identification for Haldex Trailer Braking systems.
- Supports reading proprietary faults for all Haldex Trailer Braking systems.
- Reads and displays trailer odometer and trip distance for all Haldex Trailer Braking systems.

Heavy-Duty Support for Wabco

- Support proprietary identification for HABS ABS, HPB (Hydraulic Power Brake) System, C Series ABS, D Series ABS, TCS II trailer braking system, E Series ABS including the E8, mBSP Modular Braking System Platform
- Supports reading and clearing SAE J1587 and J1939 faults for all Wabco tractor and trailer braking systems.
- Supports reading all SAE data for all Wabco tractor and trailer braking systems.
- Supports reading proprietary wheel speed data where J1587 communications are available.
- Bi-Directional support for Wabco brakes:
 - Dashboard Lamp Tests
 - a All braking systems where J1587 communications are available | Now supports the E8
 - Enable/Disable ATC Automatic Traction Control
 - a HPB brakes and all pneumatic braking systems where J1587 communications are available | Now supports the E8 and mBSP

Heavy-Duty Support for Wabash

• Supports reading SAE faults and data for Wabash trailer brakes.

AUXILIARY COMPONENT SUPPORT

Heavy-Duty Support for Agility

- Supports reading proprietary faults and data for Agility Blue iQ® Fuel System Control Module.
- Bi-Directional support for Agility Blue IQ® Fuel System Control Module:
 - Wiggle Test/Performance Issue Monitoring
 - a Agility Blue iQ® Fuel System Control Module

Heavy-Duty Support for Bluebird

• Supports reading SAE faults and data for Bluebird auxiliary components.

Heavy-Duty Support for Dana

- Support reading and clearing proprietary fault and data on Dana CTIS (Central Tire Inflation System) where J1939 communications
 are available.
- Bi-Directional support for Dana CTIS systems:
 - CTIS Pressure Tests
 - a Dana CTIS where J1939 communications are available
 - CTIS Supply Tank Pressure Test
 - a Dana CTIS where J1939 communications are available

Heavy-Duty Support for Freightliner

Support reading and clearing faults from all Freightliner auxiliary components.

Heavy-Duty Support for Fuso

- Support for Fuso FE Gas Series trucks (Models FEC7TS, FEC7TW, FEC9TS and FECZTS) through a heavy duty 9 pin connection:
 Read and clear faults from all vehicle components.
- $^{
 m o}$ Alerts for out of date software for the PSI engine and Fuso SSAM, ABS and ICUC components.

Heavy-Duty Support for International

• Supports reading SAE faults and data for International auxiliary components.

Heavy-Duty Support for Paccar Body Controllers

- Support for the following Paccar Body Controller including clearing faults: CECU3, CECU3 500, VECU
 - a NOTE: Paccar Body Controller faults are only supported on 2007 and newer Kenworth and Peterbilt trucks.
 - NOTE: Paccar Body Controller faults on the KWP2000 protocol can only be read when using the Noregon DLA+, DLA+ Wireless, DLA+ 2.0 or DLA+ 2.0 Wireless adapter. If using the Noregon DLA+ or DLA+ Wireless adapter, please ensure the label on the back of the adapter indicates it is 'Rev P Compatible'.

Heavy-Duty Support for Sterling

Supports reading SAE faults and data for Sterling auxiliary components.

Heavy-Duty Support for Thomas Built

• Supports reading SAE faults and data for Thomas Built auxiliary components

Heavy-Duty Support for Mack and Volvo Auxiliary Components

• Displays all standard and proprietary fault codes for all Mack and Volvo components.

Heavy-Duty Support for Western Star

Supports reading SAE faults and data for Western Star auxiliary components.

OFF-HIGHWAY FEATURES

- Off-Highway supports Caterpillar Off-Highway vehicles.
 - a NOTE: Off-Highway specific cables are required, combined with a Noregon DLA+ 2.0 or DLA+ 2.0 Wireless.
- Supports SAE J1939 messages.
- Ability to save and playback log files for Off-Highway specific connections.
 - NOTE: Playing back log files from Off-Highway connections is not supported in JPRO® versions prior to 2021 v1.

Off-Highway Support for Caterpillar

- Supports reading proprietary diagnostic fault codes, event codes, and data for the following Caterpillar engines on Off-Highway vehicles: C4.4, C6.6, C7.1, C9.3, C9.3B, C13
 - D NOTE: CAT 9 or 14 pin Off-Highway cables are required.
- Bi-Directional support for Caterpillar engines:
- Cylinder Cut-Out

 C4.4, C6.6, C7.1, C9.3, C9.3B, and C13 engines

MEDIUM-DUTY FEATURES

- Medium Duty supports reading emissions faults and data from all standard US OBD vehicles since 2007.
- Supports the medium-duty ISO 15765, ISO 14229, J1850, GMLAN (CAN-based) and KWP2000 (CAN-based) messages.
- Enhanced connection support with greater diagnostic capabilities for newer Medium-Duty vehicles outside of the supported year range.
- Supports continuous refresh of selected data in the Data Monitor window.
- View Emissions on-board test results in the Emissions Test Results window.
- Cylinder Cut Out test updated with animated pistons and injector controls...

Medium-Duty Support for Ford

- Supports the following Ford Models:
 - F-series: 2004 2021 | F-650 & F-750: 2004 2022 | Econoline E-Series: 2004 2022 | Ford Motorhome/Incomplete Chassis (F-59/F-53): 2015 2021 | Transit Connect: 2004 2018 | Transit Vehicles: 2004 2021
- Gives users the ability to read and clear faults, read freeze frames, read sensor data, and display emission test results
- Bi-Directional Support for Ford Engines:
 - **DPF** Regeneration
 - 2008 to 2018 6.4L diesel engines | EPA 2011 to 2018 6.7L diesel engines
 - KAM (Keep Alive Memory) Reset
 all supported engines
 - KOEO On Demand Self-Test
 all supported engines
 - KOER On Demand Self-Test
 a all supported engines

- KOER Glow Plug Monitor Self-Test
 - a all supported diesel engines
- KOER Injector Buzz Test

a all supported engines

- KOER On Demand Self-Test
 - all supported engines
- KOER Switch Test
 - a 2004 2018 6.0L diesel engines
- Misfire Monitor Test
 - a 2008 2021 All supported gasoline engines
- Misfire Profile Correction Learn Test
- a 6.8L V-10 Gasoline EnginesPower Balance Test
- a 2008 to 2018 6.4L diesel engines | EPA 2011 to 2018 6.7L diesel engines | 6.8L V-10 Gasoline Engines
- Relative Compression Test
 - a 2008 2021 All Supported Engines (except for 2009 6.4L Diesel)
- Set EGR Position
 - **EPA 2011 to 2018** 6.7L diesel engines
- Set EGR Throttle
 - a **EPA 2011 to 2018** 6.7L diesel engines
- Bi-Directional Support for Ford 2004-2018 Transmissions:
 - KOEO On Demand Self-Test
 - KOER On Demand Self-Test
- Bi-Directional Support for Ford 2004-2018 Brakes:
 - G-Sensor Calibration Test
 - On Demand Self-Test
 - Sensor Initialization
- Bi-Directional Support for Ford Auxiliary Components:
 - On Demand Self-Test
 - + 4x4 Control Module (4x4m)
 - + Accessory Protocol Interface Module (APIM)
 - + Audio Control Module (ACM)
 - + (Audio) Digital Signal Processing Module (DSP)
 - + Body Control Module (BdyCM)
 - + Circuit Deactivation Ignition Module (CDIM)
 - + Cruise-Control Module (C-CM)
 - + DC to DC Converter Control Module (DCDC)

Wiper Washer Rear Test

- + Digital Audio Control Module (DACMC)
- + Driver Front Seat Module (DSM)
- + Driver/Dual Climate-Control Seat Module (DCSM)
- + Drivers Door Module (DDM)• Wiper Control Test

- + Front Control/Display Interface Module (FCDIM)
- + Front Controls Interface Module (FCIM)
- + Front Display Interface Module (FDIM)
- + Generic Electronic Module (GEM)
- + Global Positioning System Module (GPSM)
- + Headlamp Control Module (HCM)
- + Heads Up Display (HUD)
- + Heated Steering Wheel Module (HSWM)
- + Heating Ventilation Air Conditioning (HVAC)
- + Image Processing Module A (IPMA)
- + Image Processing Module B (IPMB)
- + Information Center Module (ICM)

- + Instrument Cluster (IC or IPC)
- + Interior Lighting Control Module (ILCM)
- + Occupant Classification System Module (OCS)
- + Parking Aid Module (PAM)
- ♣ Passenger Front Door Module (PDM)
- + Power Running Board (PRB)
- + Power Steering Control Module (PSCM)
- **★** Rear Seat Entertainment Module (RETM)
- ♣ Reductant Control Module (DCU)
- + Restraint Control Module (RCM)
- + Running Board Control Module (RBM)
- + Satellite Digital Audio Receiver System (SDARS)

- ◆ Seat Control Module E (SCME)
- Side Obstacle Detection Control Module Left (SODL)
- + Side Obstacle Detection Control Module Right (SODR)
- + Smart Junction Box (SJB)
- + Steering Angle Sensor Module (SASM)
- + Steering Column Control Module (SCCM)
- + Trailer Brake Control Module (TBC)
- + Trailer Module (TRM)
- + Transfer Case Control Module (TCCM)
- + Vehicle Security Module (VSM)

Medium-Duty Support for GM

a Generic Electronic Module (GEM) | Smart Junction Box (SJB)

a Generic Electronic Module (GEM) | Smart Junction Box (SJB)

- Supports the following vehicles 2002-2021 GMC and Chevy Full Sized Trucks 1500, 2500 and 3500; 2002-2021; GMC Express and Chevy Savana; 2002-2010 GM Medium Duty; 2014-2021 GMC Canyon and Chevy Colorado; NEW! Freightliner trucks with GM 6.0L (L96) engines.
 - □ NOTE: Only the powertrain components are supported on 2014 and newer GM Vehicles
- Supports the medium duty J1850 VPW and GMLAN messages
- Gives users the ability to read and clear faults, read freeze frames, read sensor data and display emission test results
- Now supports Freightliner trucks with GM 6.0L (L96) engine
- Bi-Directional Support for GM Engines:
 - A/C Relay
 - a 2010 to 2018 GMC Express and Chevy Savana 6.0L Gas engines | 2010 to NEW! 2021 GMC and Chevy Full Sized Trucks 1500, 2500, and 3500 with 6.0L Gas engine | 2011 GMC Canyon and Chevy Colorado with 6.0L Gas engine
 - CMP Actuator
 - a 2010 to 2012 GMC Express and Chevy Savana 6.0L Gas engines | 2010 to NEW! 2021 GMC and Chevy Full Sized Trucks 1500, 2500, and 3500 with 6.0L Gas engine | 2011 GMC Canyon and Chevy Colorado with 6.0L Gas engine
 - CMP Actuator Solenoid
 - a 2010 to 2012 GMC Express and Chevy Savana 6.0L Gas engines | 2010 to NEW! 2021 GMC and Chevy Full Sized Trucks 1500, 2500, and 3500 with 6.0L Gas engine | 2011 GMC Canyon and Chevy Colorado with 6.0L Gas engine
 - Crankshaft Position Variation Learn
 - 2010 to 2012 GMC Express and Chevy Savana 6.0L Gas engines | 2010 to NEW! 2021 GMC and Chevy Full Sized Trucks 1500, 2500, and 3500 with 6.0L Gas engine | 2011 GMC Canyon and Chevy Colorado with 6.0L Gas engine

Cylinder Cut Out

a 2002 to NEW! 2021 all diesel and gasoline engines (except GM vehicles with CAT engines)

DPF Catalyst Reset

a 2010 to NEW! 2021 vehicles with a Duramax 6.6L diesel engine | 2016 GMC Canyon and Chevy Express with 2.8L engine | 2010 to NEW! 2021 GMC Savana or Canyon and Chevy Express or Colorado with a 2.8L engine

• DPF Pressure Sensor Reset

a 2010 to NEW! 2021 vehicles with a Duramax 6.6L diesel engine | 2016 GMC Canyon and Chevy Express with 2.8L engine | 2010 to NEW! 2021 GMC Savana or Canyon and Chevy Express or Colorado with a 2.8L engine

DPF Service Reger

a 2010 to NEW! 2021 vehicles with a Duramax 6.6L diesel engine | 2010 to NEW! 2021 GMC Savana and Chevy Express with 2.8L diesel engine

Engine Controls Ignition Relay

a 2010 to 2012 GMC Express and Chevy Savana 6.0L Gas engines | 2010 to NEW! 2021 GMC and Chevy Full Sized Trucks 1500, 2500, and 3500 with 6.0L Gas engine | 2011 GMC Canyon and Chevy Colorado with 6.0L as engine

Engine Speed Control Information

a 2010 to 2012 GMC Express and Chevy Savana 6.0L Gas engines | 2010 to NEW! 2021 GMC and Chevy Full Sized Trucks 1500, 2500, and 3500 with 6.0L Gas engine | 2011 GMC Canyon and Chevy Colorado with 6.0L Gas engine

EVAP Purge/Seal Solenoid

a 2010 to 2012 GMC Express and Chevy Savana 6.0L Gas engines | 2010 to NEW! 2021 GMC and Chevy Full Sized Trucks 1500, 2500, and 3500 with 6.0L Gas engine | 2011 GMC Canyon and Chevy Colorado with 6.0L Gas engine

EVAP Purge Solenoid

2010 to 2012 GMC Express and Chevy Savana 6.0L Gas engines | 2010 to NEW! 2021 GMC and Chevy Full Sized Trucks 1500, 2500, and 3500 with 6.0L Gas engine | 2011 GMC Canyon and Chevy Colorado with 6.0L Gas engine

EVAP Vent Solenoid

a 2010 to 2012 GMC Express and Chevy Savana 6.0L Gas engines | 2010 to NEW! 2021 GMC and Chevy Full Sized Trucks 1500, 2500, and 3500 with 6.0L Gas engine | 2011 GMC Canyon and Chevy Colorado with 6.0L Gas engine

Fuel Closed Loop Status

a 2010 to 2012 GMC Express and Chevy Savana 6.0L Gas engines | 2010 to NEW! 2021 GMC and Chevy Full Sized Trucks 1500, 2500, and 3500 with 6.0L Gas engine | 2011 GMC Canyon and Chevy Colorado with 6.0L Gas engine

• Fuel Injector Balance

2010 to 2012 GMC Express and Chevy Savana 6.0L Gas engines | 2010 to NEW! 2021 GMC and Chevy Full Sized Trucks 1500, 2500, and 3500 with 6.0L Gas engine | 2011 GMC Canyon and Chevy Colorado with 6.0L Gas engine

Fuel Pump Relay

a 2010 to 2012 GMC Express and Chevy Savana 6.0L Gas engines | 2010 to NEW! 2021 GMC and Chevy Full Sized Trucks 1500, 2500, and 3500 with 6.0L Gas engine | 2011 GMC Canyon and Chevy Colorado with 6.0L Gas engine

Fuel Trim Enable

a 2010 to 2012 GMC Express and Chevy Savana 6.0L Gas engines | 2010 to NEW! 2021 GMC and Chevy Full Sized Trucks 1500, 2500, and 3500 with 6.0L Gas engine | 2011 GMC Canyon and Chevy Colorado with 6.0L Gas engine

Fuel Trim Reset

2010 to 2012 GMC Express and Chevy Savana 6.0L Gas engines | 2010 to NEW! 2021 GMC and Chevy Full Sized Trucks 1500, 2500, and 3500 with 6.0L Gas engine | 2011 GMC Canyon and Chevy Colorado with 6.0L Gas engine

Gen L-Terminal

2010 to 2012 GMC Express and Chevy Savana 6.0L Gas engines | 2010 to NEW! 2021 GMC and Chevy Full Sized Trucks 1500, 2500, and 3500 with 6.0L Gas engine | 2011 GMC Canyon and Chevy Colorado with 6.0L Gas engine

HO25 Bank 1 Sensor 1 Heater

a 2010 to 2012 GMC Express and Chevy Savana 6.0L Gas engines | 2010 to NEW! 2021 GMC and Chevy Full Sized Trucks 1500, 2500, and 3500 with 6.0L Gas engine | 2011 GMC Canyon and Chevy Colorado with 6.0L Gas engine

• HO2S Bank 1 Sensor 2 Heater

a 2010 to 2012 GMC Express and Chevy Savana 6.0L Gas engines | 2010 to NEW! 2021 GMC and Chevy Full Sized Trucks 1500, 2500, and 3500 with 6.0L Gas engine | 2011 GMC Canyon and Chevy Colorado with 6.0L Gas engine

HO2S Bank 2 Sensor 1 Heater

a 2010 to 2012 GMC Express and Chevy Savana 6.0L Gas engines | 2010 to NEW! 2021 GMC and Chevy Full Sized Trucks 1500, 2500, and 3500 with 6.0L Gas engine | 2011 GMC Canyon and Chevy Colorado with 6.0L Gas engine

HO25 Bank 2 Sensor 2 Heater

2010 to 2012 GMC Express and Chevy Savana 6.0L Gas engines | 2010 to NEW! 2021 GMC and Chevy Full Sized Trucks 1500, 2500, and 3500 with 6.0L Gas engine | 2011 GMC Canyon and Chevy Colorado with 6.0L Gas engine

HO25 Heater Learn

2010 to 2012 GMC Express and Chevy Savana 6.0L Gas engines
 2010 to NEW! 2021 GMC and Chevy Full Sized Trucks 1500, 2500, and 3500 with 6.0L Gas engine
 2011 GMC Canyon and Chevy Colorado with 6.0L Gas engine

Idle Spark

2010 to 2012 GMC Express and Chevy Savana 6.0L Gas engines
 2010 to NEW! 2021 GMC and Chevy Full Sized Trucks 1500, 2500, and 3500 with 6.0L Gas engine
 2011 GMC Canyon and Chevy Colorado with 6.0L Gas engine

Misfire Graphic

a 2010 to 2012 GMC Express and Chevy Savana 6.0L Gas engines | 2010 to NEW! 2021 GMC and Chevy Full Sized Trucks 1500, 2500, and 3500 with 6.0L Gas engine | 2011 GMC Canyon and Chevy Colorado with 6.0L Gas engine

• NOx Sensor 1 & NOx Sensor 2 Reset

a 2010 to 2018 vehicles with a Duramax 6.6L diesel engine | 2016 GMC Canyon and Chevy Express with 2.8L engine | 2017 and 2018 GMC Savana or Canyon and Chevy Express or Colorado with a 2.8L engine

• Reductant Heater 1, 2, and 3 Tests

a 2010 to 2018 vehicles with a Duramax 6.6L diesel engine | 2016 GMC Canyon and Chevy Express with 2.8L engine | 2017 and 2018 GMC Savana or Canyon and Chevy Express or Colorado with a 2.8L engine

Reductant System Leak Test

a 2010 to 2018 vehicles with a Duramax 6.6L diesel engine | 2016 GMC Canyon and Chevy Express with 2.8L engine | 2017 and 2018 GMC Savana or Canyon and Chevy Express or Colorado with a 2.8L engine

Reductant Tank Reset

a 2010 to 2018 vehicles with a Duramax 6.6L diesel engine | 2016 GMC Canyon and Chevy Express with 2.8L engine | 2017 and 2018 GMC Savana or Canyon and Chevy Express or Colorado with a 2.8L engine

Reset Oil Life

a 2010 to 2012 GMC Express and Chevy Savana 6.0L Gas engines

Reset RVS Disable History

a 2010 to 2012 GMC Express and Chevy Savana 6.0L Gas engines | 2013 to 2017 GMC and Chevy Full Sized Trucks 1500, 2500, and 3500 with 6.0L Gas engine 2011 GMC Canyon and Chevy Colorado with 6.0L Gas engine

Spark Retard

a 2010 to 2012 GMC Express and Chevy Savana 6.0L Gas engines | 2013 to 2017 GMC and Chevy Full Sized Trucks 1500, 2500, and 3500 with 6.0L Gas engine 2011 GMC Canyon and Chevy Colorado with 6.0L Gas engine

Starter Relay

a 2010 to 2012 GMC Express and Chevy Savana 6.0L Gas engines | 2013 to 2017 GMC and Chevy Full Sized Trucks 1500, 2500, and 3500 with 6.0L Gas engine 2011 GMC Canyon and Chevy Colorado with 6.0L Gas engine

Throttle Position

a 2010 to 2012 GMC Express and Chevy Savana 6.0L Gas engines | 2013 to 2017 GMC and Chevy Full Sized Trucks 1500, 2500, and 3500 with 6.0L Gas engine 2011 GMC Canyon and Chevy Colorado with 6.0L Gas engine

Throttle Position Sweep

a 2010 to 2012 GMC Express and Chevy Savana 6.0L Gas engines | 2013 to 2017 GMC and Chevy Full Sized Trucks 1500, 2500, and 3500 with 6.0L Gas engine 2011 GMC Canyon and Chevy Colorado with 6.0L Gas engine

Bi-Directional Support for GM Transmissions:

High Side Driver 1

a Transmissions in a 2010 to 2012 GMC Express and Chevy Savana 6.0L Gas engines

Line PC Solenoid

Transmissions in a 2010 to 2012 GMC Express and Chevy Savana 6.0L Gas engines

PC Solenoid 2

a Transmissions in a 2010 to 2012 GMC Express and Chevy Savana 6.0L Gas engines

PC Solenoid 3

a Transmissions in a 2010 to 2012 GMC Express and Chevy Savana 6.0L Gas engines

PC Solenoid 4

a Transmissions in a 2010 to 2012 GMC Express and Chevy Savana 6.0L Gas engines

PC Solenoid 5

Transmissions in a 2010 to 2012 GMC Express and Chevy Savana 6.0L Gas engines

Reset Transmissions Adapts a Transmissions in a 2010 to 2012 GMC Express and Chevy Savana 6.0L Gas engines

Reset Transmission Oil Life

a Transmissions in a 2010 to 2012 GMC Express and Chevy Savana 6.0L Gas engines

Shift Transmission

a Transmissions in a 2010 to 2012 GMC Express and Chevy Savana 6.0L Gas engines

TCC Control Solenoid

a Transmissions in a 2010 to 2012 GMC Express and Chevy Savana 6.0L Gas engines

Bi-Directional Support for GM Brake Control Module

ABS Motor

a Brakes in a 2010 to 2012 GMC Express and Chevy Savana 6.0L Gas engines

Automated Brake Bleed

a Brakes in a 2010 to 2012 GMC Express and Chevy Savana 6.0L Gas engines

LF Inlet Valve Solenoid

a Brakes in a 2010 to 2012 GMC Express and Chevy Savana 6.0L Gas engines

LF Outlet Valve Solenoid

a Brakes in a 2010 to 2012 GMC Express and Chevy Savana 6.0L Gas engines

Rear Inlet Valve Solenoid

a Brakes in a 2010 to 2012 GMC Express and Chevy Savana 6.0L Gas engines

Rear Outlet Valve Solenoid

a Brakes in a 2010 to 2012 GMC Express and Chevy Savana 6.0L Gas engines

RF Inlet Valve Solenoid

a Brakes in a 2010 to 2012 GMC Express and Chevy Savana 6.0L Gas engines

RF Outlet Valve Solenoid

a Brakes in a 2010 to 2012 GMC Express and Chevy Savana 6.0L Gas engines

Bi-Directional Support for GM Body Controllers:

Accy/RAP Relay

Body Controllers in a 2010 to 2012 GMC Express and Chevy Savana 6.0L Gas engines

Backup Lamps

Body Controllers in a 2010 to 2012 GMC Express and Chevy Savana 6.0L Gas engines

Courtesy Lamp

a Body Controllers in a 2010 to 2012 GMC Express and Chevy Savana 6.0L Gas engines

DRL a Body Controllers in a 2010 to 2012 GMC Express and Chevy Savana 6.0L Gas engines

Foa Lamps

a Body Controllers in a 2010 to 2012 GMC Express and Chevy Savana 6.0L Gas engines

High Beams

a Body Controllers in a 2010 to 2012 GMC Express and Chevy Savana 6.0L Gas engines

Horn

a Body Controllers in a 2010 to 2012 GMC Express and Chevy Savana 6.0L Gas engines

Incandescent Dimming

a Body Controllers in a 2010 to 2012 GMC Express and Chevy Savana 6.0L Gas engines

LED Dimmina

a Body Controllers in a 2010 to 2012 GMC Express and Chevy Savana 6.0L Gas engines

- LF Turn Signal
 - a Body Controllers in a 2010 to 2012 GMC Express and Chevy Savana 6.0L Gas engines
- LR Turn Signal
 - a Body Controllers in a 2010 to 2012 GMC Express and Chevy Savana 6.0L Gas engines
- Low Beams
 - a Body Controllers in a 2010 to 2012 GMC Express and Chevy Savana 6.0L Gas engines
- Parking Lamps
 - a Body Controllers in a 2010 to 2012 GMC Express and Chevy Savana 6.0L Gas engines
- RF Turn Signal
 - a Body Controllers in a 2010 to 2012 GMC Express and Chevy Savana 6.0L Gas engines
- RR Turn Signal
 - a Body Controllers in a 2010 to 2012 GMC Express and Chevy Savana 6.0L Gas engines
- Run/Crank Relay
 - a Body Controllers in a 2010 to 2012 GMC Express and Chevy Savana 6.0L Gas engines
- Shift Lock Solenoid
 - a Body Controllers in a 2010 to 2012 GMC Express and Chevy Savana 6.0L Gas engines
- Wiper High Speed Relay
 - a Body Controllers in a 2010 to 2012 GMC Express and Chevy Savana 6.0L Gas engines
- Wiper Relay
 - a Body Controllers in a 2010 to 2012 GMC Express and Chevy Savana 6.0L Gas engines
- Wiper Washer Motor
 - a Body Controllers in a 2010 to 2012 GMC Express and Chevy Savana 6.0L Gas engines

Medium-Duty Support for Hino

- Supports reading faults and data from the engine in 2011 2019 Hino vehicles.
- Bi-Directional Support for Hino engines:
 - NEW! Cruise Speed Customization
 - + Maximum Set Cruise Speed
 - a All engines in Hino 2011-2019 vehicles
 - Cylinder Cut Out
 - a All engines in Hino 2011-2019 vehicles
 - DPF Manual Service Regen
 - a All engines in Hino 2011-2019 vehicles
 - DPF Soot Load Customization & DPF Soot Load
 - a All engines in Hino 2011-2019 vehicles
 - NEW! Idle Shutdown Customization
 - + Idle Shutdown Setting Time
 - a All engines in Hino 2011-2019 vehicles
 - NEW! SCR Related Memory Reset
 - a All engines in Hino 2011-2019 vehicles

Medium-Duty Support for Isuzu

- Supports the following vehicle models from 2008 2017 with either the 5.2L (4HK1) or 3.0L (4JJ1) engine in both North America and Australia for F-Series faults (engine and DEF only) and N-Series faults and data (engine, DEF, and transmission only)
- Supports the medium duty GMLAN messages
- Gives the users the ability to read and clear faults and read freeze frames
- Displays emission test results in North America
- Bi-Directional Support for:
 - Cylinder Cut Out
 - a 5.2L (4HK1) or 3.0L (4JJ1) engine in North America
 - DPF Service Regen
 - □ 5.2L (4HK1) or 3.0L (4JJ1) engine in North America

Medium-Duty Support for Sprinter

- Supports 2007 2015 Sprinter vehicles
- Sprinter support gives users the ability to read and clear faults, read sensor data and display emission test results
- Bi-Directional Support for Sprinter Engines:
 - Cylinder Cut Out
 - p EPA 07 Diesel engines
 - Compression Test
 - a for EPA 07 Diesel engines

- DPF Service Regen

 □ for EPA 07 Diesel engines
- Injector Quantity Adjustment
 p for EPA 07 Diesel engines
- Initialize Rail Pressure
 EPA 07 Diesel engines
- Bi-Directional Support for Sprinter Instrument Clusters:
 - Oil Change Reset
 2007 2015 Instrum
 - a 2007 2015 Instrument Cluster
 - Gauge Sweep Test
 - a 2007 2015 Instrument Cluster
 - LCD Display Test Routine
 - a 2007 2015 Instrument Cluster
 - Speaker Test Routine
 - a 2007 2015 Instrument Cluster
- Bi-Directional Support for Sprinter Tire Pressure Monitor ECU:
 - Tire Pressure Monitor Test
 - **2007 2015** TPM

HARDWARE / SOFTWARE CONFIGURATION

- The following operating systems are supported:
 - a Windows 8 and 8.1 Pro (both 32 and 64-bit versions) | Windows 10 (both 32 and 64-bit versions)
 - Note: Spanish operating systems are supported.

NOTES

- 1. Registration is required before the JPRO® Commercial Vehicle Diagnostics application can be used. Valid license key(s) will be required in order to register the application. Please ensure you have license key information available before you install. Registration over the internet is required; offline registration is not supported. A confirmation code may be required to complete registration. If this is the case, the confirmation code will be sent to the email address used during registration and must be provided to complete registration
- 2. The appropriate vehicle adapter driver must be installed in order to connect to a vehicle adapter device. This installation is separate and independent of the JPRO® Commercial Vehicle Diagnostics installation. Only the Noregon DLA+ 2.0, DLA+ 2.0 Wireless, Trailer Diagnostic Adapter, DLA+, DLA+ Wireless, and DLA+ PLC adapters are supported.
- 3. The Noregon DLA+ 2.0, DLA+, DLA+ 2.0 Wireless or DLA+ Wireless adapters are required in order to connect to the Ford, GM, Isuzu or Sprinter Medium Duty vehicles. Please ensure you have the latest driver and firmware loaded.
 - To connect to Ford, use the OBDII Cable for Ford (red).
 - To connect to GM, use the OBDII Cable for GM (yellow).
 - To connect to Sprinter, use the OBD Cable for Sprinter (blue for DLA+ adapter family) or gray for DLA+ 2.0 adapter family).
 - To connect to Hino or Isuzu, use the Generic OBD Cable (blue or gray)
- 4. The JPRO® Off-Highway Support for Caterpillar only supports the following adapters and cables:
 - Noregon DLA+ 2.0 or DLA+ 2.0 Wireless adapter.
 - CAT 9-pin Off-Highway cable.
 - CAT 14-pin Off-Highway cable.

To purchase CAT Off-Highway cable(s) for the DLA+ 2.0 or DLA+ 2.0 Wireless adapter, please email jprosolutions@noregon.com or call 855-889-JPRO (5776) toll-free.

- 5. Trailer diagnostic connections with the Universal J560 PLC Adapter must be combined with a Noregon DLA+ 2.0, DLA+, DLA+ 2.0 Wireless, DLA+ Wireless, or DLA+ PLC adapter.
- 6. Trailer diagnostic connections with the 4-pin to 9-pin extended diagnostic cable adapter combined with a Noregon DLA+ 2.0, DLA+, DLA+ 2.0 Wireless or DLA+ Wireless adapter







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