



## Proprietary Fault Support

– Heavy & Medium-Duty (Class 3-8) –

### ANTI-LOCK BRAKES

BENDIX

FORD

GM

HALDEX

SPRINTER

WABASH

WABCO

### BODY & CHASSIS

BLUEBIRD

FORD

FREIGHTLINER

GM

INTERNATIONAL

KENWORTH

MACK

PETERBILT

SPRINTER

STERLING

THOMAS BUILT

VOLVO

WESTERN STAR

### CTIS

DANA

### DAS

BENDIX

### ENGINES

CATERPILLAR (OFF-HIGHWAY)

CATERPILLAR (ON-HIGHWAY)

CUMMINS

DETROIT DIESEL

FORD

GM

HINO

ISUZU

INTERNATIONAL

MACK

MERCEDES

PACCAR MX

SPRINTER

VOLVO

### TRANSMISSIONS

ALLISON

DETROIT

EATON

FORD

GM

MACK

SPRINTER

VOLVO

ZF

### 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

FORD

GM

HINO

ISUZU

SPRINTER

# ENGINE SUPPORT

## Heavy-Duty Support for Caterpillar (ON-HIGHWAY)

- Support reading proprietary diagnostic fault codes and event codes for all Caterpillar engines.
- Supports 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**
      - 3126, C12, and C18 engines | C-15 pre-ACERT engines (before 2004) | **EPA 04:** C7, C9, C13, C15, and C18 ACERT engines | **EPA 07:** C7, C13, and C15 ACERT engines
  - **Cylinder Cut Out Tests**
    - 3126, C12, and C18 engines | C-15 pre-ACERT engines (before 2004) | **EPA 04:** C7, C9, C13, C15, and C18 ACERT engines | **EPA 07:** C7, C13, and C15 ACERT engines
  - **Idle Shutdown**
    - + **Idle Shutdown Time, Idle Shutdown Override**
      - 3126, C12, and C18 engines | C-15 pre-ACERT engines (before 2004) | **EPA 04:** C7, C9, C13, C15, and C18 ACERT engines | **EPA 07:** C7, C13, and C15 ACERT engines
  - **Injection Actuator Pressure Test**
    - Supported on 3126 engines | **EPA 04:** C7 and C9 ACERT engines
  - **Injector Solenoid Test**
    - 3126, C12, and C18 engines | C-15 pre-ACERT engines (before 2004) | **EPA 04:** C7, C9, C13, C15, and C18 ACERT engines | **EPA 07:** C7, C13, and C15 ACERT engines
  - **Injector Trim Calibration**
    - C-15 pre-ACERT engines (before 2004) | **EPA 04:** C7, C9, C13 and C15 ACERT engines
  - **Intake Valve Actuator Test**
    - **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**
      - 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**
    - **EPA 07:** C7, C13, and C15 ACERT engines

## Heavy-Duty Support for Cummins

- Supports reading Cummins Proprietary Fault Codes on all EPA 07 and newer Cummins engines.
- Supports proprietary sensor data on all EPA 07 and newer Cummins engines.
- Supports 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**
    - **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**
    - **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**
    - **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, 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**
    - **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**
  - **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**
  - **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**
    - **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**
  - **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**
  - **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**
  - **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**
  - **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 with Common Rail Fuel Systems
- **Fuel System Table Reset**
  - **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
    - **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
    - **NOTE:** Access to this can be removed. Contact Noregon support for more information.
- **SCR Performance and System Test**
  - **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**
    - **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**
  - **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 | **GHG21:** all B6.7, L9, X15, PX-7, and PX-9
- **VGT Hysteresis Test**
  - **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
    - **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

- Supports proprietary sensor data on all 2000 model year and newer Detroit engines.
- **Bi-Directional support for Detroit Diesel engines:**
  - **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**
  - **EPA 10 to EPA 13:** all DD13, DD15 and DD16 | **GHG17 DD5, DD8, DD13, DD15, and DD16 with Engine Software version:** App\_040B, App\_040D and App\_040E, App\_0410, App\_0411, App\_2104, App\_2105, App\_2107, App\_2108, App\_2109; **NEW!** App\_3105, App\_3106, App\_3107, App\_3108
  - **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 DD5, DD8, DD13, DD15, and DD16 with Engine Software Version:** App\_040B, App\_040D and App\_040E, App\_0410, App\_0411, App\_3105, App\_3106, App\_3107, App\_2104, App\_2105, App\_2107, App\_2108, App\_2109, App\_3105, App\_3106, App\_3107, **NEW!** App\_3108 | **GHG17 and newer DD5, DD8, DD13, DD15, and DD16 with MCM Software Version:** mcm\_0x06DB, mcm\_0x06DE, mcm\_0x06F2, mcm\_0x06ED, mcm\_0x06EF, **NEW!** mcm\_0x06F6
- **DEF Coolant Valve Control Test**
  - **EPA 10 to EPA 13:** all DD13, DD15 and DD16 | **GHG17 and newer DD5, DD8, DD13, DD15, and DD16 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 | **GHG17 DD5, DD8, DD13, DD15, and DD16 with MCM Software Version:** mcm\_0x06DB, mcm\_0x06DE, mcm\_0x06ED, mcm\_0x06EF, and mcm\_0x06F2, **NEW!** mcm\_0x06F6 | **GHG17 and newer DD5, DD8, DD13, DD15, and DD16 with ACM Software Version:** acm\_0x232, acm\_0x236, acm\_0x024E, acm\_0x023E, acm\_0x0250
- **DEF Quantity Test**
  - **EPA 10 to EPA 13:** all DD13, DD15 and DD16 | **GHG17 and newer DD5, DD8, DD13, DD15, and DD16 with Engine Software Version:** App\_040B, App\_040D and App\_040E, App\_0410, App\_0411, App\_3105, App\_3106, App\_3107, App\_2104, App\_2105, App\_2107, App\_2108, App\_2109 | **GHG17 and newer DD5, DD8, DD13, DD15, and DD16 with ACM Software Version:** acm\_0x232, acm\_0x236, acm\_0x024E, acm\_0x023E, acm\_0x0250
- **DOC Face Plug Cleaning**
  - **EPA 10 to EPA 13:** all DD13, DD15 and DD16 | **GHG17 DD5, DD8, DD13, DD15, and DD16 with Engine Software version:** App\_040B, App\_040D, App\_040E, App\_0410, App\_0411 | **GHG17 DD5, DD8, DD13, DD15, and DD16 with MCM Software Version:** mcm\_0x06DB, mcm\_0x06ED, mcm\_0x06DE, mcm\_0x06F2, **NEW!** mcm\_0x06F6
- **DPF Ash Accumulator Reset**
  - **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, **NEW!** mcm\_0x06F6 | **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 and newer DD5, DD8, DD13, DD15, and DD16 with Engine Software Version:** App\_040B, App\_040D, App\_040E, App\_0410, App\_0411, App\_3105, App\_3106, App\_3107, App\_2104, App\_2105, App\_2107, App\_2108, App\_2109, **NEW!** App\_3105, App\_3106, App\_3107, App\_3108 | **NEW!** Now supports **GHG17 and newer DD5, DD8, DD13, DD15, and DD16 with ACM Software Version:** acm\_0x0211, acm\_0x0213, acm\_0x0221, acm\_0x232, acm\_0x236, acm\_0x024E, acm\_0x023E, acm\_0x0250, acm\_0x0354, acm\_0x0359
- **Hydrocarbon Doser Purge**
  - **EPA 10 to EPA 13:** all DD13, DD15 and DD16 | **GHG17 and newer DD5, DD8, DD13, DD15, and DD16 with Engine Software Version:** App\_040B, App\_040D, App\_040E, App\_0410, App\_0411, App\_2104, App\_2105, App\_2107, App\_2108, App\_2109 | **GHG17 and newer DD5, DD8, DD13, DD15, and DD16 with MCM Software Version:** mcm\_0x06DB, mcm\_0x06DE, mcm\_0x06F2, mcm\_0x06ED and mcm\_0x06EF, **NEW!** mcm\_0x06F6
- **Idle Shutdown**
  - + **Idle Shutdown Status, Idle Shutdown Time**
  - **EPA 10 to EPA 13:** all DD13, DD15 and DD16 | **GHG17 DD5, DD8, DD13, DD15, and DD16 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, **NEW!** App\_3105, App\_3106, App\_3107, App\_3108
- **Intake Throttle Valve Test**
  - **EPA 10 to EPA 13:** all DD13, DD15 and DD16
- **Metering Unit Flood Routine**
  - **EPA 10:** all DD13, DD15 and DD16
- **Parked SCR Efficiency Test**
  - **EPA 10 to EPA 13:** all DD13, DD15 and DD16 | **GHG17 and newer DD5, DD8, DD13, DD15, and DD16 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 | **GHG17 and newer DD5, DD8, DD13, DD15, and DD16 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 DD5, DD8, DD13, DD15, and DD16 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 | **GHG17 and newer DD5, DD8, DD13, DD15, and DD16 with MCM Software Version:** mcm\_0x06DB, mcm\_0x06DE, mcm\_0x06F2, mcm\_0x06ED, mcm\_0x06EF, **NEW!** mcm\_0x06F6
- **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)

- **EPA 10 to EPA 13:** all DD13, DD15 and DD16 | **NEW!** Now supports **GHG17 DD5, DD8, DD13, DD15, and DD16 with Engine Software version:** App\_3105, App\_3106, App\_3107, App\_3108
- **Road Speed Limits**
  - + **Maximum Road Speed Limits**
    - **EPA 10 to EPA 13:** all DD13, DD15 and DD16 engines | **GHG17 DD5, DD8, DD13, DD15, and DD16 with Engine Software version:** App\_040B, App\_040D, App\_040E, App\_0410, App\_0411, App\_2104, App\_2105, App\_2107, App\_2108, App\_2109, **NEW!** App\_3105, App\_3106, App\_3107, App\_3108
    - **NOTE:** Access to this can be removed. Contact Noregon support for more information.
- **SCR Air Pressure System Check**
  - **EPA 10:** all DD13, DD15 and DD16 engines
- **SCR Airless Doser System (ADS) Self Check**
  - **EPA 13:** all DD13, DD15 and DD16 engines | **GHG17 and newer DD5, DD8, DD13, DD15, and DD16 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 | **GHG17 and newer DD5, DD8, DD13, DD15, and DD16 with ACM Software Version:** acm\_0x0232, acm\_0x0236, acm\_0x024E, acm\_0x023E, acm\_0x0250
- **SCR Output Component test**
  - **EPA 10 to EPA 13:** all DD13, DD15 and DD16 engines | **GHG17 and newer DD5, DD8, DD13, DD15, and DD16 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 | **GHG17 and newer DD5, DD8, DD13, DD15, and DD16 with MCM Software Version:** mcm\_0x06DB, mcm\_0x06DE, mcm\_0x06F2, mcm\_0x06ED, mcm\_0x06EF, **NEW!** mcm\_0x06F6 | **GHG17 and newer DD5, DD8, DD13, DD15, and DD16 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)*
    - **EPA 10 to EPA 13:** all DD13, DD15 and DD16 | **NEW!** Now supports **GHG17 DD5, DD8, DD13, DD15, and DD16 with Engine Software version:** App\_3105, App\_3106, App\_3107, App\_3108
    - **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

- Supports 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**
      - **EPA 10:** Maxxforce 11 and 13 engines
    - + **Engine Throttle Valve (ETV) Position**
      - **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**
      - **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**
    - **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 - Preset Engine Speed 3, AESC - Present 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 Selection, Cruise Control Set/Coast Switch Input Selection, Cruise Control Resume/Accelerate Switch Input Selection, Remote Accelerator Switch Input Selection, Auxiliary Engine Shutdown Switch Input Selection, Remote AESC Programmed Speed Switch Input Selection, Remote AESC Variable Speed Switch Input Selection, Remote Accelerator Pedal Input Selection)

- **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**
  - N9, N10, 2013 N13, and 2015 N13 engines
- **DOC/DPF replacement reset**
  - N9, N10, 2013 N13, and 2015 N13 engines | **A26** engines
- **DPF Service Regen**
  - **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**
  - **EPA 07:** Maxxforce 7, DT, 9, and 10 engines | **EPA 10:** Maxxforce DT, 9, and 10 engines | N9 and N10 engines
- **KOEO Standard Test**
  - **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**
  - **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**
  - **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 Limit, Road Speed Limiting Control Module*
    - **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**
  - 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*
    - **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
    - **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.
- Supports proprietary sensor data on all EPA 07 and newer Mack/Volvo engines.
- Supports 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
  - **NOTE:** Reports only available on Mack EPA07 and newer vehicles with the DataMax parameter enabled.
  - **NOTE:** Reports only available on Volvo 2012 and newer with the DataMax parameter enabled.
- **Bi-Directional support for Mack & Volvo engines:**
  - **Aftertreatment Injector Activation for Flow Test**
    - **EPA 07** 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
      - **NOTE:** Access to this can be removed. Contact Noregon support for more information.
  - **Cylinder Cut Out Tests**
    - **EPA 07** engines to **GHG17** engines
  - **DEF Dosing Valve Test**
    - **EPA 10** engines to **GHG17** engines
  - **DEF Pressure System Test**
    - **EPA 10** engines to **GHG17** engines

- **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**
  - EPA 07 engines to GHG17 engines
- **Enable or Disable Cruise Control**
  - EPA 07 engines to GHG17 engines
- **Exit Inducement Test**
  - + EPA 10 for SPN 4094 and SPN 52466 | EPA 13 to GHG17 for P208E and P103B
  - EPA 10 engines to GHG17 engines
- **Fan Activation Test**
  - EPA 07 engines to EPA 10 engines
- **Fuel Shut-off Valve Test**
  - EPA 07 engines to EPA 10 engines
- **Hydrocarbon Dosing Control Valve Test**
  - EPA 10 engines
- **Idle Shut Down Times**
  - + Idle Shutdown Time
  - EPA 07 engines to GHG17 engines
  - **NOTE:** Access to this can be removed. Contact Noregon support for more information.
- **Learned Data Reset**
  - EPA 07 engines to GHG17 engines
- **NOx Conversion Monitor Test**
  - EPA 13 engines to GHG17 engines
- **Purge Air Valve Test**
  - EPA 10 engines
- **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.
- **SCR Regeneration**
  - EPA 13 engines to GHG17 engines
- **Trip Reset**
  - MACK EPA 07 and newer vehicles with the DataMax parameter enabled | VOLVO 2012 and newer vehicles with the DataMax parameter enabled
- **VGT Electronic Actuator Installation and Calibration**
  - EPA 13 engines to GHG17 engines
- **VGT Function Test**
  - EPA 07 engines to GHG17 engines
- **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.

## Heavy-Duty Support for Mercedes-Benz

- Supports 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**
    - EPA 07 engines

## Heavy-Duty Support for Paccar

- Supports 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 all MX engines.
- Supports reading proprietary data on all EPA 10 to GHG17 all MX engines.
- **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**
    - 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**
  - EPA 10 engines to GHG17 all MX engines
  - **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**
  - 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

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### 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**
    - 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**
    - 1000/2000 and 3000/4000 4th Gen, 1000/2000 and 3000/4000 5th Gen
  - **Reset Oil Life Monitor**
    - 1000/2000 and 3000/4000 4th Gen, 1000/2000 and 3000/4000 5th Gen
  - **Service Indicator Lamp Test**
    - 1000/2000 and 3000/4000 4th Gen, 1000/2000 and 3000/4000 5th Gen
  - **Transmission Fault Lamp Test**
    - 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
- **NEW! Bi-directional support for Detroit Diesel transmissions:**
  - **NEW! Transmission Learn Procedure Test**
    - DT12 TCM01T transmissions

### 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.
- Ability to install and/or update ACom Legacy from within ACom PRO.
- Bendix DTC Report support for overall health report of all Bendix components.
- Clear Faults functionality supports clearing all faults, or only faults from a selected Bendix component.

□ **NOTE:** Access to this can be removed. Contact Noregon support for more information.

### Bendix Tractor Brakes

- Supports reading and clearing Bendix Proprietary Fault Codes on all EC-60 and EC-80 braking systems.
- Supports proprietary sensor data on all EC-60 and EC-80 braking system and ADB Wear Sensing, and **NEW!** ADB Continuous Wear Sensing ECUs.
- Supports reading fault codes and sensor data for Bendix EC-80 EAC (Electronic Air Control) components.
- Path-Type codes replace Blink Codes in Look Codes for EC-80.
- Supports reading and clearing Bendix proprietary fault codes and data for Intellipark.
- Supports reading and clearing Event History records on all EC-60 and EC-80 braking systems.
- Event History supports reading:
  - Event Counters for EC-80 braking systems.
  - ESP Counters for EC-60 and EC-80 braking systems.
- **NEW!** Supports proprietary sensor data on ADB Continuous Wear Sensing ECUs.
- **NEW!** Displays percentage of estimated brake wear life (pads plus rotor) remaining on the ADB Continuous Wear Sensing key data points window.
- **NEW!** Displays reported pad wear life status on the ABD Wear Sensing key data points window.
- ABS Monitor provides an at-a-glance assessment of the braking system's health by monitoring related electrical and pneumatic components
- CPC Configuration Layout displays Central Pressure Controller diagram for the reported EC-80 CPC.
- **Bi-Directional support for Bendix Tractor brakes:**
  - **ABS Air Bag Pressure Test**
    - **EC-60** Advanced braking systems | **EC-80** ESP/ESP+ braking systems
  - **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 209 ABS Control Status (Trailer), J2497: PID 49 ABS Control Status, J2497: PID 84 Road Speed Information, J2497: PID 151 ATC Control Status, J2497: PID 168 Battery Potential (Voltage), J2497: PID 194 Diagnostics Data Requests (Faults), J2497: PID 209 ABS Control Status (Trailer), J2497: PID 237 VIN (Trailer), J2497: PID 245 Odometer (Trailer))
      - **EC-60** braking systems | **EC-80** braking systems
  - **ABS Engine Limiting Test**
    - **EC-60** Advanced braking systems | **EC-80** ATC or ESP braking systems
  - **ABS Pressure Test**
    - **EC-60** braking systems | **EC-80** ESP/ESP+ braking systems
  - **ABS Self-Config Test**
    - **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**
    - **EC-60** braking systems | **EC-80** braking systems
  - **Braking System Switches Test**
    - **EC-60** braking systems | **EC-80** braking systems
  - **Cartridge Lifetime Prediction Reset Test**
    - **EC-80** EAC braking systems
  - **Dashboard Lamp Tests**
    - **EC-60** braking systems | **EC-80** braking systems
  - **Drag Torque Test**
    - **EC-60** Premium or Advanced braking Systems | **EC-80** ATC or ESP braking systems

- **ECU Reset**
  - EC-60 and EC-80 braking systems
- **ESP Lamp Test**
  - EC-80 ESP/ESP+ braking systems
- **Maintenance Mode**
  - Intellipark Systems
- **Modulator Valve (Chuff) Tests**
  - EC-60 braking systems | EC-80 braking systems | CPC support on EC-80 braking systems
- **Steering Angle Test and Calibration**
  - EC-60 Advanced braking systems | EC-80 ESP/ESP+ braking systems | EC-80 ABS or ATC braking systems
- **Wheel Speed Chart Test**
  - All braking systems reporting wheel speed values
- **Wheel Speed Window Test**
  - All braking systems reporting wheel speed values
- **Wiggle Test/Performance Issue Monitoring**
  - 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 and clearing proprietary fault codes and SAE sensor data for the following:
  - TABS-6™ Advanced Single-Channel (SC) Trailer ABS
  - TABS-6™ Advanced Multi-Channel (MC) Trailer ABS
  - TABS-8™ Trailer ABS
- **NEW!** Bendix Trailer DTC Report provides comprehensive reporting for trailer connections.
- Supports trailer diagnostics over CAN for trailer ABS modules using the Bendix 4-pin to 9-pin diagnostics extension cable for:
  - **NEW!** TABS-6™ Advanced Single-Channel Trailer ABS
  - TABS-8™ Trailer ABS
- **NEW!** The EOL (End of Line) Test provides a suite of tests used to validate if the trailer ABS and its sensors are installed and functioning properly, and are available for:
  - TABS-6™ Advanced Single-Channel Trailer ABS
  - TABS-8™ Trailer ABS
  - Individual EOL tests are also available from the bi-directional test menu.
  - Custom report generation provides general information for unit under test, test results, and information gathered by individual tests.
- **Bi-Directional support for Bendix Trailers:**
  - **ABS Indicator Lamp Test**
    - **NEW!** TABS-6™ Advanced Single-Channel Trailer ABS
    - TABS-8® Trailer ABS
  - **Axle Load Test**
    - **NEW!** TABS-6™ Advanced Single-Channel Trailer ABS
    - TABS-8® Trailer ABS
  - **Battery Voltage Test**
    - **NEW!** TABS-6™ Advanced Single-Channel Trailer ABS
    - TABS-8® Trailer ABS
  - **NEW! Chuff Test**
    - **NEW!** TABS-8® Trailer ABS
  - **Door Switch Test**
    - **NEW!** TABS-6™ Advanced Single-Channel Trailer ABS
    - TABS-8® Trailer ABS
  - **ECU Information Test\***
    - **NEW!** TABS-6™ Advanced Single-Channel Trailer ABS
    - TABS-8® Trailer ABS
  - **General Output Functions Test**
    - **NEW!** TABS-6™ Advanced Single-Channel Trailer ABS
    - TABS-8® Trailer ABS
  - **Installation Angle Test**
    - **NEW!** TABS-6™ Advanced Single-Channel Trailer ABS
    - TABS-8® Trailer ABS
  - **Installation Configuration Test**
    - **NEW!** TABS-6™ Advanced Single-Channel Trailer ABS
    - TABS-8® Trailer ABS
  - **Lift Axle Control Test**
    - **NEW!** TABS-6™ Advanced Single-Channel Trailer ABS
    - TABS-8® Trailer ABS
  - **Lift Lower Test**
    - **NEW!** TABS-6™ Advanced Single-Channel Trailer ABS
    - TABS-8® Trailer ABS

- **List Axle Sensing Test**
  - **NEW!** TABS-6™ Advanced Single-Channel Trailer ABS
  - TABS-8® Trailer ABS
- **Low Pressure Warning Emergency Test**
  - **NEW!** TABS-6™ Advanced Single-Channel Trailer ABS
  - TABS-8® Trailer ABS
- **Low Pressure Warning Service Test**
  - **NEW!** TABS-6™ Advanced Single-Channel Trailer ABS
  - TABS-8® Trailer ABS
- **P-21 Modulator Test**
  - **NEW!** TABS-6™ Advanced Single-Channel Trailer ABS
  - TABS-8® Trailer ABS
- **Pad Wear Test**
  - **NEW!** TABS-6™ Advanced Single-Channel Trailer ABS
  - TABS-8® Trailer ABS
- **Pressure Sensor Test**
  - **NEW!** TABS-6™ Advanced Single-Channel Trailer ABS
  - TABS-8® Trailer ABS
- **S-C and S-D Sensor Tests**
  - **NEW!** TABS-6™ Advanced Single-Channel Trailer ABS
  - TABS-8® Trailer ABS
- **Scratchpad Test\***
  - **NEW!** TABS-6™ Advanced Single-Channel Trailer ABS
  - TABS-8® Trailer ABS
- **Tire Inflation System Test**
  - **NEW!** TABS-6™ Advanced Single-Channel Trailer ABS
  - TABS-8® Trailer ABS
- **NEW! Wheel Speed Chart Test**
  - All braking systems reporting wheel speed values
- **NEW! Wheel Speed Window Test**
  - All braking systems reporting wheel speed values
  - **\*Test only displayed within the EOL 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, **NEW!** AutoVue® FLC25™ Camera, Wingman FLR20™/21™ Radar, Blindspotter® Radar, Vorad VS500 Radar, Driver Interface Unit (DIU), Active Steering by Bendix CVS
- Supports reading and clearing Event History records on all FLR21™ ECUs.
- **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
    - **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
    - **Blindspotter**® Radar
    - **(NOTE: only available if the Bendix OE Parameters license attribute is enabled).**
  - **Camera Snapshot Test**
    - **AutoVue**® FLC20™ Camera
  - **Clear Stored Events and Videos**
    - **AutoVue**® 3G LDW System | **SafetyDirect**® Web Portal Processor (3G and 5G)
  - **Coil Polarity Check**
    - **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
  - **Indicator Component Tests**
    - **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**
    - **AutoVue**® 3G LDW System | **SafetyDirect**® Web Portal Processor (3G and 5G)
  - **Pressure Trimming & Coil Polarity Test**
    - **Bendix CVS** Active Steering

- **Radar Service Alignment**
  - **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 Limit, Severe Vehicle Overspeed Limit Threshold, Speeding Trigger, Severe Speeding Trigger) | **SD Min Speeds** (Braking Trigger Minimum Speed, Excessive Turning Trigger Minimum Speed, Following Distance Minimum Speed)
    - **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)
    - **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**
    - Updated parameters for **SafetyDirect®** Web Portal Processor (3G and 5G)
- **Speaker Volume Configuration**
  - **AutoVue®** 3G LDW System | **SafetyDirect®** Web Portal Processor (3G and 5G)
- **SPTAC Calibration**
  - **AutoVue®** FLC20™ Camera
- **Startup Chirp Volume Setting**
  - **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**
    - **AutoVue®** FLC20™ Camera
- **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)
    - **Wingman®** FLR20™ /21™ Radar | **NEW! Wingman®** FLR25™ Radar | **Vorad** VS500 Radar
- **Wingman Fusion Blindness Adjustment**
  - **Wingman®** FLR21™ Radar

## Bendix Tire Pressure Monitoring System (TPMS)

- Support reading and clearing Bendix proprietary fault codes on all SmarTire™ TPMS solutions.
- Supports 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 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 reading Event History information and saving to a local file.
- **NEW!** TPMS Configuration test provides data reset warning for Learn All Sensors function.
- **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**
    - **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 ID) | **Antenna Configuration** (Internal Antenna)
      - All **SmarTire™** TPMS solutions
  - **TPMS Scratchpad**
    - **SmarTire™** NextGen TPMS solutions
  - **TPMS Signal Strength Test**
    - 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

### Wabco Brakes

- Supports 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**
    - All braking systems except the mBSP
  - **Enable/Disable ATC (Automatic Traction Control)**
    - Wabco HPB brakes and all Wabco pneumatic braking systems
  - **Memorized Components Reset**
    - All pneumatic braking systems where J1587 communications are available
  - **Modulator Valve (Chuff) Test**
    - All Wabco pneumatic braking systems
  - **Wheel Speed Chart Test**
    - All braking systems reporting wheel speed values
  - **Wheel Speed Window Test**
    - All braking systems reporting wheel speed values

### Wabco Advanced Driver Assistance Systems (ADAS)

- **NEW!** Supports SAE faults and proprietary sensor data for OnGuard™ Forward Looking Radar.

## Heavy-Duty Support for Wabash

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

# AUXILIARY COMPONENT SUPPORT

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## 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**
    - Agility Blue iQ® Fuel System Control Module.

## Heavy-Duty Support for Alexander Dennis

- Supports reading SAE faults and data for Alexander Dennis auxiliary components.

## 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**
    - **Dana CTIS** where J1939 communications are available
  - **CTIS Supply Tank Pressure Test**
    - **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.**
    - **NOTE:** Access to this can be removed. Contact Noregon support for more information.
  - **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

- Supports the following Paccar Body Controllers including clearing faults: CECU3, CECU3 500, VECU
  - **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 Prevost

- Support reading and clearing faults from all Prevost auxiliary components.

## 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 Van Hool

- Supports reading SAE faults and data for Van Hool auxiliary components.

## Heavy-Duty Support for Western Star

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

# OFF-HIGHWAY FEATURES

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- Off-Highway supports Caterpillar Off-Highway vehicles.
  - **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 SAE faults and sensor data.
- 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
  - **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 ACERT T4i & T4 engines.

# MEDIUM-DUTY FEATURES

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- 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.

## 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
- Supports the medium duty ISO 15765 and ISO 14229 messages.
- Gives users the ability to read and clear faults, read freeze frames, read sensor data, and display emission test results.
  - **NOTE:** Access to clear faults can be removed. Contact Noregon support for more information.
- Fixed issue causing Freightliner vehicles with GM engines to mis-identify the engine.
- **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**
    - all supported engines
  - **KOER Glow Plug Monitor Self-Test**
    - all supported diesel engines
  - **KOER Injector Buzz Test**
    - all supported engines
  - **KOER On Demand Self-Test**
    - all supported engines
  - **KOER Switch Test**
    - **2004 - 2018** 6.0L diesel engines
  - **Misfire Monitor Test**
    - **2008 - 2021** All supported gasoline engines
  - **Misfire Profile Correction Learn Test**
    - 6.8L V-10 Gasoline Engines
  - **Power Balance Test**
    - **2008 to 2018** 6.4L diesel engines | **EPA 2011 to 2018** 6.7L diesel engines | 6.8L V-10 Gasoline Engines

- **Relative Compression Test**
  - **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**
  - **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)                      | + Front Control/Display Interface Module (FCDIM) | + Instrument Cluster (IC or IPC)                  | + Seat Control Module E (SCME)                          |
| + Accessory Protocol Interface Module (APIM)     | + Front Controls Interface Module (FCIM)         | + Interior Lighting Control Module (ILCM)         | + Side Obstacle Detection Control Module – Left (SODL)  |
| + Audio Control Module (ACM)                     | + Front Display Interface Module (FDIM)          | + Occupant Classification System Module (OCS)     | + Side Obstacle Detection Control Module – Right (SODR) |
| + (Audio) Digital Signal Processing Module (DSP) | + Generic Electronic Module (GEM)                | + Parking Aid Module (PAM)                        | + Smart Junction Box (SJB)                              |
| + Body Control Module (BdyCM)                    | + Global Positioning System Module (GPSM)        | + Passenger Front Door Module (PDM)               | + Steering Angle Sensor Module (SASM)                   |
| + Circuit Deactivation Ignition Module (CDIM)    | + Headlamp Control Module (HCM)                  | + Power Running Board (PRB)                       | + Steering Column Control Module (SCCM)                 |
| + Cruise-Control Module (C-CM)                   | + Heads Up Display (HUD)                         | + Power Steering Control Module (PSCM)            | + Trailer Brake Control Module (TBC)                    |
| + DC to DC Converter Control Module (DCDC)       | + Heated Steering Wheel Module (HSWM)            | + Rear Seat Entertainment Module (RETM)           | + Trailer Module (TRM)                                  |
| + Digital Audio Control Module (DACMC)           | + Heating Ventilation Air Conditioning (HVAC)    | + Reductant Control Module (DCU)                  | + Transfer Case Control Module (TCCM)                   |
| + Driver Front Seat Module (DSM)                 | + Image Processing Module A (IPMA)               | + Restraint Control Module (RCM)                  | + Vehicle Security Module (VSM)                         |
| + Driver/Dual Climate-Control Seat Module (DCSM) | + Image Processing Module B (IPMB)               | + Running Board Control Module (RBM)              |   |
| + Drivers Door Module (DDM)                      | + Information Center Module (ICM)                | + Satellite Digital Audio Receiver System (SDARS) |   |

- **Wiper Control Test**
  - Generic Electronic Module (GEM) | Smart Junction Box (SJB)
- **Wiper Washer Rear Test**
  - Generic Electronic Module (GEM) | Smart Junction Box (SJB)

## Medium-Duty Support for GM

- Supports the following vehicles 2002-2022 GMC and Chevy Full Sized Trucks 1500, 2500 and 3500; 2002-2022 GMC Express and Chevy Savana; 2002-2010 GM Medium Duty; 2014-2022 GMC Canyon and Chevy Colorado; 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
  - **NOTE:** Access to clear faults can be removed. Contact Noregon support for more information.
- **NEW!** Fixed issue causing Freightliner vehicles with GM engines to misidentify the engine.
- **Bi-Directional Support for GM Engines:**
  - **A/C Relay**
    - **2010 to 2021** GMC and Chevy Full Sized Trucks 1500, 2500, and 3500 with 6.0L Gas engine | **2010 to 2021** GMC Express and Chevy Savana 6.0L Gas engines | **2011** GMC Canyon and Chevy Colorado with 6.0L Gas engine
  - **CMP Actuator Solenoid**
    - **2010 to 2021** GMC and Chevy Full Sized Trucks 1500, 2500, and 3500 with 6.0L Gas engine | **2010 to 2021** GMC Express and Chevy Savana 6.0L Gas engines | **2011** GMC Canyon and Chevy Colorado with 6.0L Gas engine
  - **Crankshaft Position Variation Learn**
    - **2010 to 2021** GMC and Chevy Full Sized Trucks 1500, 2500, and 3500 with 6.0L Gas engine | **2010 to 2021** GMC Express and Chevy Savana 6.0L Gas engines | **2011** GMC Canyon and Chevy Colorado with 6.0L Gas engine
  - **Cylinder Cut Out**
    - **2002 to NEW! 2022** all diesel and gasoline engines (except GM vehicles with CAT engines)
  - **DPF Catalyst Reset**
    - **2010 to NEW! 2022** vehicles with a Duramax 6.6L diesel engine | **2016** GMC Canyon and Chevy Colorado with 2.8L Diesel engine | **2017 to NEW! 2022** GMC Savana or Canyon and Chevy Express or Colorado with a 2.8L Diesel engine
  - **DPF Pressure Sensor Reset**
    - **2010 to NEW! 2022** vehicles with a Duramax 6.6L diesel engine | **2016** GMC Canyon and Chevy Colorado with 2.8L Diesel engine | **2017 to NEW! 2022** GMC Savana or Canyon and Chevy Express or Colorado with a 2.8L Diesel engine
  - **DPF Service Regen**
    - **2010 to NEW! 2022** vehicles with a Duramax 6.6L diesel engine | **2016** GMC Canyon and Chevy Colorado with 2.8L Diesel engine | **2017 to NEW! 2022** GMC Savana or Canyon and Chevy Express or Colorado with a 2.8L Diesel engine
  - **Engine Controls Ignition Relay**
    - **2010 to 2021** GMC and Chevy Full Sized Trucks 1500, 2500, and 3500 with 6.0L Gas engines | **2010 to 2017** GMC Express and Chevy Savana with 6.0L Gas engine | **2011** GMC Canyon and Chevy Colorado with 6.0L Gas engine
  - **Engine Speed Control Information**
    - **2010 to 2021** GMC and Chevy Full Sized Trucks 1500, 2500, and 3500 with 6.0L Gas engines | **2010 to 2017** GMC Express and Chevy Savana 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**
    - **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**
    - **Transmissions in a 2010 to 2012** GMC Express and Chevy Savana 6.0L Gas engines
  - **PC Solenoid 3**
    - **Transmissions in a 2010 to 2012** GMC Express and Chevy Savana 6.0L Gas engines
  - **PC Solenoid 4**
    - **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**
    - **Transmissions in a 2010 to 2012** GMC Express and Chevy Savana 6.0L Gas engines
  - **Reset Transmission Oil Life**
    - **Transmissions in a 2010 to 2012** GMC Express and Chevy Savana 6.0L Gas engines
  - **Shift Transmission**
    - **Transmissions in a 2010 to 2012** GMC Express and Chevy Savana 6.0L Gas engines
  - **TCC Control Solenoid**
    - **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**
    - **Brakes in a 2010 to 2012** GMC Express and Chevy Savana 6.0L Gas engines
  - **Automated Brake Bleed**
    - **Brakes in a 2010 to 2012** GMC Express and Chevy Savana 6.0L Gas engines
  - **LF Inlet Valve Solenoid**
    - **Brakes in a 2010 to 2012** GMC Express and Chevy Savana 6.0L Gas engines
  - **LF Outlet Valve Solenoid**
    - **Brakes in a 2010 to 2012** GMC Express and Chevy Savana 6.0L Gas engines
  - **Rear Inlet Valve Solenoid**
    - **Brakes in a 2010 to 2012** GMC Express and Chevy Savana 6.0L Gas engines
  - **Rear Outlet Valve Solenoid**
    - **Brakes in a 2010 to 2012** GMC Express and Chevy Savana 6.0L Gas engines
  - **RF Inlet Valve Solenoid**
    - **Brakes in a 2010 to 2012** GMC Express and Chevy Savana 6.0L Gas engines
  - **RF Outlet Valve Solenoid**
    - **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**
    - **Body Controllers in a 2010 to 2012** GMC Express and Chevy Savana 6.0L Gas engines
  - **DRL**
    - **Body Controllers in a 2010 to 2012** GMC Express and Chevy Savana 6.0L Gas engines
  - **Fog Lamps**
    - **Body Controllers in a 2010 to 2012** GMC Express and Chevy Savana 6.0L Gas engines
  - **High Beams**
    - **Body Controllers in a 2010 to 2012** GMC Express and Chevy Savana 6.0L Gas engines
  - **Horn**
    - **Body Controllers in a 2010 to 2012** GMC Express and Chevy Savana 6.0L Gas engines
  - **Incandescent Dimming**
    - **Body Controllers in a 2010 to 2012** GMC Express and Chevy Savana 6.0L Gas engines
  - **LED Dimming**
    - **Body Controllers in a 2010 to 2012** GMC Express and Chevy Savana 6.0L Gas engines
  - **LF Turn Signal**
    - **Body Controllers in a 2010 to 2012** GMC Express and Chevy Savana 6.0L Gas engines
  - **LR Turn Signal**
    - **Body Controllers in a 2010 to 2012** GMC Express and Chevy Savana 6.0L Gas engines
  - **Low Beams**
    - **Body Controllers in a 2010 to 2012** GMC Express and Chevy Savana 6.0L Gas engines
  - **Parking Lamps**
    - **Body Controllers in a 2010 to 2012** GMC Express and Chevy Savana 6.0L Gas engines
  - **RF Turn Signal**
    - **Body Controllers in a 2010 to 2012** GMC Express and Chevy Savana 6.0L Gas engines
  - **RR Turn Signal**
    - **Body Controllers in a 2010 to 2012** GMC Express and Chevy Savana 6.0L Gas engines

- **Run/Crank Relay**
  - **Body Controllers in a 2010 to 2012** GMC Express and Chevy Savana 6.0L Gas engines
- **Shift Lock Solenoid**
  - **Body Controllers in a 2010 to 2012** GMC Express and Chevy Savana 6.0L Gas engines
- **Wiper High Speed Relay**
  - **Body Controllers in a 2010 to 2012** GMC Express and Chevy Savana 6.0L Gas engines
- **Wiper Relay**
  - **Body Controllers in a 2010 to 2012** GMC Express and Chevy Savana 6.0L Gas engines
- **Wiper Washer Motor**
  - **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 to 2019 Hino vehicles.
- Hino support gives users the ability to read and clear faults, read sensor data, and display emission test results.
  - **NOTE:** Access to clear faults can be removed. Contact Noregon support for more information.
- **Bi-Directional Support for Hino engines:**
  - **Cruise Speed Customization**
    - + **Max Cruise Set Speed**
      - All engines in Hino **2011-2019** vehicles
  - **Cylinder Cut Out**
    - All engines in Hino **2011-2019** vehicles
  - **DPF Manual Service Regen**
    - All engines in Hino **2011-2019** vehicles
  - **DPF Soot Load Customization**
    - All engines in Hino **2011-2019** vehicles
  - **Idle Shutdown Customization**
    - + **Idle Shutdown Setting Time**
      - All engines in Hino **2011-2019** vehicles
  - **SCR Related Memory Reset**
    - 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 users the ability to read and clear faults and read freeze frames
  - **NOTE:** Access to clear faults can be removed. Contact Noregon support for more information.
- Displays emission test results in North America
- **Bi-Directional Support for:**
  - **Cylinder Cut Out**
    - **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
  - **NOTE:** Access to clear faults can be removed. Contact Noregon support for more information.
- **Bi-Directional Support for Sprinter Engines:**
  - **Cylinder Cut Out**
    - **EPA 07** Diesel engines
  - **Compression Test**
    - **for EPA 07** Diesel engines
  - **Manual DPF Service Regen**
    - **for EPA 07** Diesel engines
  - **Injector Quantity Adjustment**
    - **for EPA 07** Diesel engines
  - **Initialize Rail Pressure**
    - **EPA 07** Diesel engines
- **Bi-Directional Support for Sprinter Instrument Clusters:**
  - **Oil Change Reset**
    - **2007 - 2015** Instrument Cluster

- **Display Dimmer Test Routine**
  - 2007 - 2015 Instrument Cluster
- **Gauge Sweep Test**
  - 2007 - 2015 Instrument Cluster
- **LCD Display Test Routine**
  - 2007 - 2015 Instrument Cluster
- **Speaker Test Routine**
  - 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:
  - **Windows 8 and 8.1 Pro** (both 32 and 64-bit versions) | **Windows 10** (both 32 and 64-bit versions)
  - **NEW! Windows 11**
  - **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 [jproslutions@noregon.com](mailto:jproslutions@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



**QUESTIONS? CALL: (855) 889- JPRO (5776)**  
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