

Heavy Duty Software Application Guide

Revised: April 2020

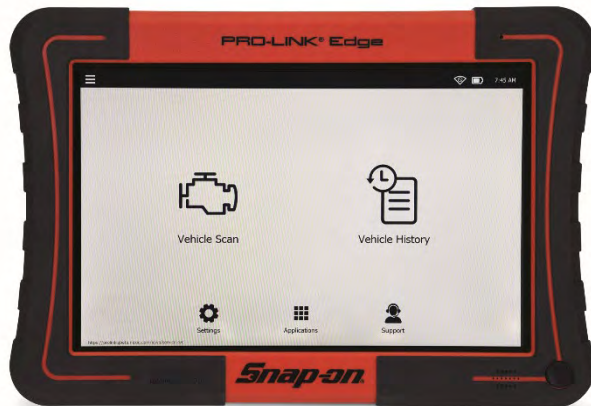


PRO-LINK[®] Edge

PRO-LINK® Edge

Software

PRO-LINK® Edge is available as a Starter Kit with optional software to customize coverage to your specific fleet. Or get the Master Kit with all available software kits, to diagnose virtually any commercial vehicle that comes into your shop, from Class 8 to light-duty diesels.



Master Kit

EEHD709004SW — Master Kit Software:

- EEHD849003 – Cummins® Engines v. 3.0
- EEHD849010 – International® Suite
 - International® Engines
 - Navistar® Body and Chassis
 - Navistar® MaxxForce®
- EEHD849015 – Detroit Diesel® Suite
 - DDEC II, III, IV, V
 - DDEC 6, 10, 13
 - MBE
- EEHD849024 – Caterpillar® Engines Suite
 - CAT® Engines with ACERT™ Technology
 - Caterpillar® Electronic Engines
- EEHD849025 – Hino® Engines v. 1.0
- EEHD849048 – LMT 2019
- EEHD849011 – Volvo®/Mack® v. 3.0
- EEHD849034 – PACCAR® Engines v. 1.0
- EEHD849021 – ABS Software Suite
 - Bendix® ABS
 - Eaton® ABS
 - Wabash® ABS
 - Haldex® ABS
 - WABCO® ABS(Air and Hydraulic)
- EEHD849005 – Allison Transmission® Suite

Starter Kit

EEHD189090SW — HDS Starter Kit Software:

- Heavy Duty Standard J1939 – 2001 - current
- Heavy Duty Standard J1708 – 1988 - current
- OBD II / EOBD (for light and medium-duty vehicles)

Introduction

This guide is designed to provide a comprehensive list of special tests and calibrations (i.e., programmable parameters) available for each application in the library of heavy-duty software applications. The information contained herein is accurate at the time of publication to the best of our ability; however, it is impossible to predetermine each vehicle system.

The heavy duty trucking industry, unlike the automotive industry, manufactures each vehicle to support an individual customer's needs and operating conditions. Therefore, it is impossible to determine the various components that make up a particular vehicle model. Typically, no two heavy duty vehicles are built with the same components. For example, a Peterbilt® chassis might have a Cummins® engine, an Allison® transmission, and either Bendix® or WABCO® brakes.

Some applications may not support all special tests and parameters when compared to OEM manufacturer applications; this is due to OEM mandated restrictions. In addition, parameter and test support may vary based on the software version of the ECUs on the vehicle.

Important

It is highly recommended that you connect the scan tool to your customer's vehicle, using your demo/loaner unit, to precisely identify the systems with which the vehicle is equipped. This will help to establish customer understanding of coverage and ensure satisfaction in the future.

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How to Use this Guide

The *Heavy Duty Software Application Guide* is divided into the following sections:

- Section 1: Engine Applications
- Section 2: Transmission Applications
- Section 3: Brake Applications
- Section 4: Body and Chassis Applications
- Section 5: Generic Applications
- Section 6: Light and Medium Truck Applications

Navigation

To navigate through the document, use the bookmarks on the left side of the display. A plus sign (+) next to a bookmark indicates that the bookmark can be expanded to display additional links. Click on the plus sign (+) to expand the bookmark and see more. Likewise, you can click on a minus sign (-) to collapse the bookmark and see less.

Each section has an overview page with links  to the various applications in that section. To go back to the overview page, use the Alt Key and the Back Arrow on your keyboard.

Each application has a summary page with information about the application, including the Snap-on part number, model years covered, and basic features. The application summary page is followed by tables listing two types of information for that application:

- Special Tests Supported
- Calibrations (i.e., Programmable Parameters) Supported

Please refer these tables for a complete run-down of available diagnostic coverage.

Engine Applications

DDEC Suite (DDEC 6, 10, 13) DDEC

Suite (DDEC II, III, IV, V) Detroit Diesel

Detroit Diesel MBE

CAT Engines w/ACERT Technology

Caterpillar Electronic Engines

Navistar MaxxForce v.3.0

International Engines

Cummins Engines v.3.0

Volvo/Mack v.3.0

Hino Engines v.1.0

PACCAR Engines v.1.0



DDEC Suite (DDEC 6, 10, 13)

Coverage: 2007 - 2013

The DDEC Suite (DDEC 6, 10, 13) provides reprogramming and diagnostic capability for DDEC 6, 10, and 13 electronic systems.

Supports

- Series 60™
- DD13™
- DD15™
- MBE

Basic Functions

- Read DDEC Proprietary Active and Inactive Fault Codes
- Clear Inactive Fault Codes
- Display Associated Parameters with Active Fault Codes
- View, Graph, and Record Engine Data

Disclaimer:

Product specifications and data are subject to change without notice to improve functionality, reliability, design, or otherwise. Availability of tests and configurable parameters is dependent on both the vehicle concerned and the module loaded.

DDEC Suite (DDEC 6, 10, 13)

Special Tests

Note: In the following tables the **red X** indicates that the test is dependent on the version of the software loaded on the vehicle. As a result, the test may, or may not, be available.

Special Tests	System Type							
	DD 15/14.8 L 2008 - 2009 Equipped w/ DDEC 6 Electronic Controls	DD 15/14.8 L 2010 - 2012 Equipped w/ DDEC 10 Electronic Controls	DD 15/14.8 L 2013 - 2016 Equipped w/ DDEC 13 Electronic Controls	DD 13/12.8 L 2009 Equipped w/ DDEC 6 Electronic Controls	DD 13/12.8 L 2010 - 2012 Equipped w/ DDEC 10 Electronic Controls	DD 13/12.8 L 2013 - 2016 Equipped w/ DDEC 13 Electronic Controls	DD 16/15.6 L 2010 - 2012 Equipped w/ DDEC 10 Electronic Controls	DD 16/15.6 L 2013 - 2016 Equipped w/ DDEC 13 Electronic Controls
Cylinder Cutout	X	X	X	X	X	X	X	X
Compression Test	X	X	X	X	X	X	X	X
Activate Digital Output Functions (CPC)	X	X	X	X	X	X	X	X
Activate Digital Output Pins (CPC)	X	X	X	X	X	X	X	X
Activate Analog Output Pins (CPC)	X	X	X	X	X	X	X	X
Activate Analog Output Functions (CPC)	X	X	X	X	X	X	X	X
Voltage Test	X	X	X	X	X	X	X	X
Intake Throttle Valve	X	X	X	X	X	X	X	X
DPF System (Perform Parked Regeneration)	X	X	X	X	X	X	X	X
DPF System (Purge Hydrocarbon Doser)	X	X	X	X	X	X	X	X
DPF System (Request Driving Regeneration)	X	X	X	X	X	X	X	X
Idle Speed Balance	X	X	X	X	X	X	X	X

Special Tests	System Type							
	DD 15/14.8 L 2008 - 2009 Equipped w/ DDEC 6 Electronic Controls	DD 15/14.8 L 2010 - 2012 Equipped w/ DDEC 10 Electronic Controls	DD 15/14.8 L 2013 - 2016 Equipped w/ DDEC 13 Electronic Controls	DD 13/12.8 L 2009 Equipped w/ DDEC 6 Electronic Controls	DD 13/12.8 L 2010 - 2012 Equipped w/ DDEC 10 Electronic Controls	DD 13/12.8 L 2013 - 2016 Equipped w/ DDEC 13 Electronic Controls	DD 16/15.6 L 2010 - 2012 Equipped w/ DDEC 10 Electronic Controls	DD 16/15.6 L 2013 - 2016 Equipped w/ DDEC 13 Electronic Controls
Activate Analog Output (MCM)		X	X		X	X	X	X
SCR System – Output Component	X	X	X	X	X	X	X	X
SCR System – Parked Efficiency	X	X	X	X	X	X	X	X
DPF Ash Accumulation	X	X	X	X	X	X	X	X
ATD Maximum Sensor Value Reset	X			X				
ATD Test Pipe Routine	X			X				
DEF Quantity Test		X	X		X	X	X	X
Metering Unit Flood Routine		X			X		X	
Engine Idle Shutdown		X	X		X	X	X	X
Real-Time Clock	X	X	X	X	X	X	X	X
SCR Replacement		X	X		X	X	X	X
EGR Valve Actuator Functional Check	X			X				
FIS Leak Detection	X	X	X	X	X	X	X	X
EGR DP Sensor Recalibration	X	X	X	X	X	X	X	X
PLV Change	X	X	X	X	X	X	X	X
Replace Quantity Control Valve	X			X				
EGR Actuator Slow Learn		X	X		X	X	X	X

Special Tests	System Type							
	DD 15/14.8 L 2008 - 2009 Equipped w/ DDEC 6 Electronic Controls	DD 15/14.8 L 2010 - 2012 Equipped w/ DDEC 10 Electronic Controls	DD 15/14.8 L 2013 - 2016 Equipped w/ DDEC 13 Electronic Controls	DD 13/12.8 L 2009 Equipped w/ DDEC 6 Electronic Controls	DD 13/12.8 L 2010 - 2012 Equipped w/ DDEC 10 Electronic Controls	DD 13/12.8 L 2013 - 2016 Equipped w/ DDEC 13 Electronic Controls	DD 16/15.6 L 2010 - 2012 Equipped w/ DDEC 10 Electronic Controls	DD 16/15.6 L 2013 - 2016 Equipped w/ DDEC 13 Electronic Controls
Lamps And Switches(Engine)	X	X	X	X	X	X	X	X
EGR Low Flow Test	X	X	X	X	X	X	X	X
Fuel System Integrity(Automatic)	X	X	X	X	X	X	X	X
Injector Code	X	X	X	X	X	X	X	X

DDEC Suite (DDEC 6, 10, 13)

Calibrations

Note: In the following tables the **red X** indicates that the parameter is dependent on the version of the software loaded on the vehicle.

As a result, the parameter may, or may not, be available.

Program Parameters	System Type							
	DD 15/14.8 L 2008 - 2009 Equipped w/ DDEC 6 Electronic Controls	DD 15/14.8 L 2010 - 2012 Equipped w/ DDEC 10 Electronic Controls	DD 15/14.8 L 2013 - 2016 Equipped w/ DDEC 13 Electronic Controls	DD 13/12.8 L 2009 Equipped w/ DDEC 6 Electronic Controls	DD 13/12.8 L 2010 - 2012 Equipped w/ DDEC 10 Electronic Controls	DD 13/12.8 L 2013 - 2016 Equipped w/ DDEC 13 Electronic Controls	DD 16/15.6 L 2010 - 2012 Equipped w/ DDEC 10 Electronic Controls	DD 16/15.6 L 2013 - 2016 Equipped w/ DDEC 13 Electronic Controls
Limiter0 min eng speed enabled	X			X				
Limiter0 max eng speed enabled	X			X				
Limiter0 max road spd enabled	X			X				
Limiter0 max eng trq enabled	X			X				
Limiter1 min eng speed enabled	X			X				
Limiter1 max eng speed enabled	X			X				
Limiter1 max road spd enabled	X			X				
Limiter1 max eng trq enabled	X			X				
Limiter0 max vehicle accel	X		X	X		X		X
Limiter1 max vehicle accel	X		X	X		X		X
FM alert update enable	X			X				
FM daily usage enable	X			X				
Fleet management enable	X			X				
FM incident update enable	X			X				
FM monthly trip enable	X			X				
FM serv interval update enable	X			X				

Program Parameters	System Type							
	DD 15/14.8 L 2008 - 2009 Equipped w/ DDEC 6 Electronic Controls	DD 15/14.8 L 2010 - 2012 Equipped w/ DDEC 10 Electronic Controls	DD 15/14.8 L 2013 - 2016 Equipped w/ DDEC 13 Electronic Controls	DD 13/12.8 L 2009 Equipped w/ DDEC 6 Electronic Controls	DD 13/12.8 L 2010 - 2012 Equipped w/ DDEC 10 Electronic Controls	DD 13/12.8 L 2013 - 2016 Equipped w/ DDEC 13 Electronic Controls	DD 16/15.6 L 2010 - 2012 Equipped w/ DDEC 10 Electronic Controls	DD 16/15.6 L 2013 - 2016 Equipped w/ DDEC 13 Electronic Controls
Service brk enable eng brakes	X			X				
Min road spd eng brk operation	X			X				
Low eng brk max cruise RSL spd	X			X				
Med eng brk max cruise RSL spd	X			X				
Hi eng brk max cruise RSL spd	X			X				
Low eng brk min cruise RSL spd	X			X				
Med eng brk min cruise RSL spd	X			X				
Hi eng brk min cruise RSL spd	X			X				
Cruise RSL eng brk mode select	X			X				
Scruise eng ret1 on thres spd	X			X				
Scruise eng ret2 on thres spd	X			X				
Scruise eng ret3 on thres spd	X			X				
Scruise eng ret1 off thres spd	X			X				
Scruise eng ret2 off thres spd	X			X				
Scruise eng ret3 off thres spd	X			X				
Cruise control enable eng brk	X			X				
Min cruise set speed	X			X				
Max cruise set speed	X			X				
Increment cruise set speed	X			X				
Decrement cruise set speed	X			X				
Enable cruise auto resume	X			X				
Cruise power	X			X				

Program Parameters	System Type							
	DD 15/14.8 L 2008 - 2009 Equipped w/ DDEC 6 Electronic Controls	DD 15/14.8 L 2010 - 2012 Equipped w/ DDEC 10 Electronic Controls	DD 15/14.8 L 2013 - 2016 Equipped w/ DDEC 13 Electronic Controls	DD 13/12.8 L 2009 Equipped w/ DDEC 6 Electronic Controls	DD 13/12.8 L 2010 - 2012 Equipped w/ DDEC 10 Electronic Controls	DD 13/12.8 L 2013 - 2016 Equipped w/ DDEC 13 Electronic Controls	DD 16/15.6 L 2010 - 2012 Equipped w/ DDEC 10 Electronic Controls	DD 16/15.6 L 2013 - 2016 Equipped w/ DDEC 13 Electronic Controls
Cruise V speed may exceed RSL	X			X				
Soft cruise enable	X			X				
PCC feature enable	X			X				
Top2 cruise control sw enable	X			X				
Cruise power			X			X		X
OI target engine RPM ae 0	X			X				
OI target engine RPM ae 1	X			X				
OI target engine RPM ae 2	X			X				
OI target engine RPM ae 3	X			X				
OI target engine RPM ae 4	X			X				
OI upper limit continuous run	X			X				
OI thermostat max time	X			X				
OI extended mode disable	X			X				
OI alternate battery run time	X			X				
OI continuous batt time enable	X			X				
OI variable volt thresh enable	X			X				
OI lower limit continuous run	X			X				
OI enable therm ext mode	X			X				
J1939 AMB rx timeout	X			X				
J1939 AMB source address	X			X				
EEC2 Cycle Time Selection			X			X		X
General password	X	X	X	X	X	X	X	X
Speed sensors	X	X	X	X	X	X	X	X
PTO and idle	X	X	X	X	X	X	X	X
System settings	X	X	X	X	X	X	X	X

Program Parameters	System Type							
	DD 15/14.8 L 2008 - 2009 Equipped w/ DDEC 6 Electronic Controls	DD 15/14.8 L 2010 - 2012 Equipped w/ DDEC 10 Electronic Controls	DD 15/14.8 L 2013 - 2016 Equipped w/ DDEC 13 Electronic Controls	DD 13/12.8 L 2009 Equipped w/ DDEC 6 Electronic Controls	DD 13/12.8 L 2010 - 2012 Equipped w/ DDEC 10 Electronic Controls	DD 13/12.8 L 2013 - 2016 Equipped w/ DDEC 13 Electronic Controls	DD 16/15.6 L 2010 - 2012 Equipped w/ DDEC 10 Electronic Controls	DD 16/15.6 L 2013 - 2016 Equipped w/ DDEC 13 Electronic Controls
Engine rating	X	X	X	X	X	X	X	X
Export group	X	X	X	X	X	X	X	X
Backdoor password	X	X	X	X	X	X	X	X
Enable Creep Mode			X			X		X
Enable Creep Mode (Detroit Transmission)			X			X		X
Max engine speed	X			X				
Max road speed	X			X				
Eng speed limit while veh stop	X			X				
Single step adjusted idle spd	X			X				
Ramp rate adjusted idle spd	X			X				
Max adjusted idle speed	X			X				
Adjusted idle configuration	X			X				
Fast idle spd air cond input	X			X				
PTO enable auto fan activation	X			X				
Adjusted idle configuration		X			X		X	
Eng speed limit while veh stop		X			X		X	
Max adjusted idle speed		X	X		X	X	X	X
Max engine speed		X	X		X	X	X	X
Max road speed		X	X		X	X	X	X
Ramp rate adjusted idle spd			X			X		X
Single step adjusted idle spd		X			X		X	
Idle Configuration for Limiter Inputs			X			X		X
Eng speed limit while veh stop			X			X		X

Program Parameters	System Type							
	DD 15/14.8 L 2008 - 2009 Equipped w/ DDEC 6 Electronic Controls	DD 15/14.8 L 2010 - 2012 Equipped w/ DDEC 10 Electronic Controls	DD 15/14.8 L 2013 - 2016 Equipped w/ DDEC 13 Electronic Controls	DD 13/12.8 L 2009 Equipped w/ DDEC 6 Electronic Controls	DD 13/12.8 L 2010 - 2012 Equipped w/ DDEC 10 Electronic Controls	DD 13/12.8 L 2013 - 2016 Equipped w/ DDEC 13 Electronic Controls	DD 16/15.6 L 2010 - 2012 Equipped w/ DDEC 10 Electronic Controls	DD 16/15.6 L 2013 - 2016 Equipped w/ DDEC 13 Electronic Controls
Single step adjusted idle spd			X			X		X
Coolant temp eng protect shtdn	X			X				
Cool level eng protect shtdn	X			X				
Oil press eng protect shtdn	X			X				
Oil level eng protect shtdn	X			X				
2 08 DI selection	X			X				
2 08 DI selection	X			X				
2 09 DI sw config	X			X				
Passmart enable	X			X				
Fuel economy incentive enable	X			X				
PS pass speed increment	X			X				
PS pass speed duration	X			X				
PS pass speed interval	X			X				
FEI max vehicle speed reward	X			X				
FEI minimum fuel economy	X			X				
FEI conversion factor	X			X				
FEI use trip mileage	X			X				
Progressive shift enable	X			X				
PS low gear 2 RPM limit	X			X				
PS low gear 1 max RPM limit	X			X				
PS low gear 1 max vehicle spd	X			X				
PS low gear 2 max RPM limit	X			X				
PS low gear 2 max vehicle spd	X			X				
PS high gear RPM limit	X			X				
PS high gear on vehicle spd	X			X				

Program Parameters	System Type							
	DD 15/14.8 L 2008 - 2009 Equipped w/ DDEC 6 Electronic Controls	DD 15/14.8 L 2010 - 2012 Equipped w/ DDEC 10 Electronic Controls	DD 15/14.8 L 2013 - 2016 Equipped w/ DDEC 13 Electronic Controls	DD 13/12.8 L 2009 Equipped w/ DDEC 6 Electronic Controls	DD 13/12.8 L 2010 - 2012 Equipped w/ DDEC 10 Electronic Controls	DD 13/12.8 L 2013 - 2016 Equipped w/ DDEC 13 Electronic Controls	DD 16/15.6 L 2010 - 2012 Equipped w/ DDEC 10 Electronic Controls	DD 16/15.6 L 2013 - 2016 Equipped w/ DDEC 13 Electronic Controls
PS low gear 1 RPM limit	X			X				
CDR mode	X			X				
CDR reset frequency	X			X				
Top gear max CDR incentive	X			X				
Max CDR incentive for CC	X			X				
Config PTO speed control			X			X		X
Max PTO spd resume accel sw		X			X		X	
Max road speed in PTO mode		X			X		X	
Min PTO spd set coast sw		X			X		X	
No of speeds via remote PTO			X			X		X
PTO dropout on clutch enabled			X			X		X
PTO dropout serv brk prk brk			X			X		X
PTO ramp rate		X			X		X	
PTO throttle override enable		X			X		X	
PTO Remote Throt Override Mode			X			X		X
Resume accel sw PTO set spd		X			X		X	
RPM increment			X			X		X
Set coast switch PTO set speed		X			X		X	
Spd 1 via remote PTO		X			X		X	
Spd 2 via remote PTO		X			X		X	
Spd 3 via remote PTO		X			X		X	
Throttle override max eng spd		X			X		X	
PTO Accel Pedal Override Mode		X			X		X	
PTO Cab Switches Mode			X			X		X

Program Parameters	System Type							
	DD 15/14.8 L 2008 - 2009 Equipped w/ DDEC 6 Electronic Controls	DD 15/14.8 L 2010 - 2012 Equipped w/ DDEC 10 Electronic Controls	DD 15/14.8 L 2013 - 2016 Equipped w/ DDEC 13 Electronic Controls	DD 13/12.8 L 2009 Equipped w/ DDEC 6 Electronic Controls	DD 13/12.8 L 2010 - 2012 Equipped w/ DDEC 10 Electronic Controls	DD 13/12.8 L 2013 - 2016 Equipped w/ DDEC 13 Electronic Controls	DD 16/15.6 L 2010 - 2012 Equipped w/ DDEC 10 Electronic Controls	DD 16/15.6 L 2013 - 2016 Equipped w/ DDEC 13 Electronic Controls
Max PTO spd resume accel sw			X			X		X
Max road speed in PTO mode			X			X		X
Min PTO spd set coast sw			X			X		X
PTO ramp rate			X			X		X
Resume accel sw PTO set spd			X			X		X
Set coast switch PTO set speed			X			X		X
Spd 1 via remote PTO			X			X		X
Spd 2 via remote PTO			X			X		X
Spd 3 via remote PTO			X			X		X
Throttle override max eng spd			X			X		X
Anti tamper			X			X		X
Axle ratio		X	X		X	X	X	X
Number of output shaft teeth			X			X		X
Second highest gear ratio		X	X		X	X	X	X
Tire revs per unit distance			X			X		X
Top gear ratio		X	X		X	X	X	X
Two spd axle second axle ratio		X	X		X	X	X	X
Vehicle speed sensor		X	X		X	X	X	X
Vss absolute diagnostic limit		X	X		X	X	X	X
Vss driving diagnostic limit		X	X		X	X	X	X
Wheel Revs Front Axle Nr			X			X		X
Extended idle auto RPM elevate		X			X		X	
DPF zone turn on regen switch		X			X		X	
Limiter0 max eng speed enabled		X			X		X	

Program Parameters	System Type							
	DD 15/14.8 L 2008 - 2009 Equipped w/ DDEC 6 Electronic Controls	DD 15/14.8 L 2010 - 2012 Equipped w/ DDEC 10 Electronic Controls	DD 15/14.8 L 2013 - 2016 Equipped w/ DDEC 13 Electronic Controls	DD 13/12.8 L 2009 Equipped w/ DDEC 6 Electronic Controls	DD 13/12.8 L 2010 - 2012 Equipped w/ DDEC 10 Electronic Controls	DD 13/12.8 L 2013 - 2016 Equipped w/ DDEC 13 Electronic Controls	DD 16/15.6 L 2010 - 2012 Equipped w/ DDEC 10 Electronic Controls	DD 16/15.6 L 2013 - 2016 Equipped w/ DDEC 13 Electronic Controls
Limiter0 max eng trq enabled			X			X		X
Limiter0 max road spd enabled		X			X		X	
Limiter0 max vehicle accel		X			X		X	
Limiter0 min eng speed enabled		X			X		X	
Limiter1 max eng speed enabled		X			X		X	
Limiter1 max eng trq enabled			X			X		X
Limiter1 max road spd enabled		X			X		X	
Limiter1 max vehicle accel		X			X		X	
Limiter1 min eng speed enabled		X			X		X	
Limiter0 max eng speed enabled			X			X		X
Limiter0 max road spd enabled			X			X		X
Limiter0 max vehicle accel			X			X		X
Limiter0 min eng speed enabled			X			X		X
Limiter1 max eng speed enabled			X			X		X
Limiter1 max road spd enabled			X			X		X
Limiter1 max vehicle accel			X			X		X
Limiter1 min eng speed enabled								
DPF zone turn on regen switch	X		X	X		X		X
Extended idle auto RPM elevate	X			X				
Extended idle auto RPM elevate	X		X	X		X		X
Cruise control enable eng brk			X			X		X

Program Parameters	System Type							
	DD 15/14.8 L 2008 - 2009 Equipped w/ DDEC 6 Electronic Controls	DD 15/14.8 L 2010 - 2012 Equipped w/ DDEC 10 Electronic Controls	DD 15/14.8 L 2013 - 2016 Equipped w/ DDEC 13 Electronic Controls	DD 13/12.8 L 2009 Equipped w/ DDEC 6 Electronic Controls	DD 13/12.8 L 2010 - 2012 Equipped w/ DDEC 10 Electronic Controls	DD 13/12.8 L 2013 - 2016 Equipped w/ DDEC 13 Electronic Controls	DD 16/15.6 L 2010 - 2012 Equipped w/ DDEC 10 Electronic Controls	DD 16/15.6 L 2013 - 2016 Equipped w/ DDEC 13 Electronic Controls
Hi eng brk max cruise RSL spd		X			X		X	
Hi eng brk min cruise RSL spd		X			X		X	
Low eng brk max cruise RSL spd		X			X		X	
Low eng brk min cruise RSL spd		X			X		X	
Med eng brk max cruise RSL spd		X			X		X	
Med eng brk min cruise RSL spd		X			X		X	
Min road spd eng brk operation		X			X		X	
Service brk enable eng brakes		X			X		X	
Eng Brake Activation Del Time		X			X		X	
Eng Brk Stage on Service Brake		X			X		X	
J1939 Steps Engine Brake			X			X		X
Min road spd eng brk operation			X			X		X
Service brk enable eng brakes			X			X		X
Low eng brk min cruise RSL spd			X			X		X
Low eng brk max cruise RSL spd			X			X		X
Med eng brk min cruise RSL spd			X			X		X
Med eng brk max cruise RSL spd			X			X		X
Hi eng brk min cruise RSL spd			X			X		X
Hi eng brk max cruise RSL spd			X			X		X
Eng Brk Stage on Service Brake			X			X		X

Program Parameters	System Type							
	DD 15/14.8 L 2008 - 2009 Equipped w/ DDEC 6 Electronic Controls	DD 15/14.8 L 2010 - 2012 Equipped w/ DDEC 10 Electronic Controls	DD 15/14.8 L 2013 - 2016 Equipped w/ DDEC 13 Electronic Controls	DD 13/12.8 L 2009 Equipped w/ DDEC 6 Electronic Controls	DD 13/12.8 L 2010 - 2012 Equipped w/ DDEC 10 Electronic Controls	DD 13/12.8 L 2013 - 2016 Equipped w/ DDEC 13 Electronic Controls	DD 16/15.6 L 2010 - 2012 Equipped w/ DDEC 10 Electronic Controls	DD 16/15.6 L 2013 - 2016 Equipped w/ DDEC 13 Electronic Controls
Eng Brake Activation Del Time			X			X		X
Soft Cruise Alt Eng Brk Thres			X			X		X
Soft Cruise Alt Eng Brk Thres			X			X		X
Scruise eng ret1 off thres spd			X			X		X
Scruise eng ret1 on thres spd			X			X		X
Scruise eng ret2 off thres spd			X			X		X
Scruise eng ret2 on thres spd			X			X		X
Scruise eng ret3 off thres spd			X			X		X
Scruise eng ret3 on thres spd			X			X		X
Fast idle spd air cond input		X			X		X	
Fast idle spd air cond input			X			X		X
Dyn FAN brake enable		X			X		X	
Dyn FAN brake enable			X			X		X
OI alternate battery run time			X			X		X
OI continuous batt time enable			X			X		X
OI extended mode disable			X			X		X
OI lower limit continuous run		X			X		X	
OI target engine RPM ae 0		X	X		X	X	X	X
OI target engine RPM ae 1		X	X		X	X	X	X
OI target engine RPM ae 2		X	X		X	X	X	X
OI target engine RPM ae 3		X	X		X	X	X	X
OI target engine RPM ae 4		X	X		X	X	X	X
OI thermostat max time			X			X		X
OI upper limit continuous run		X			X		X	
OI variable volt thresh enable			X			X		X

Program Parameters	System Type							
	DD 15/14.8 L 2008 - 2009 Equipped w/ DDEC 6 Electronic Controls	DD 15/14.8 L 2010 - 2012 Equipped w/ DDEC 10 Electronic Controls	DD 15/14.8 L 2013 - 2016 Equipped w/ DDEC 13 Electronic Controls	DD 13/12.8 L 2009 Equipped w/ DDEC 6 Electronic Controls	DD 13/12.8 L 2010 - 2012 Equipped w/ DDEC 10 Electronic Controls	DD 13/12.8 L 2013 - 2016 Equipped w/ DDEC 13 Electronic Controls	DD 16/15.6 L 2010 - 2012 Equipped w/ DDEC 10 Electronic Controls	DD 16/15.6 L 2013 - 2016 Equipped w/ DDEC 13 Electronic Controls
Ol enable therm ext mode			X			X		X
Ol lower limit continuous run			X			X		X
Ol upper limit continuous run			X			X		X
2 08 DI selection			X			X		X
2 09 DI sw config		X			X		X	
2 09 DI Selection			X			X		X
2 09 DI Selection			X			X		X
CC mode selection		X			X		X	
Cruise power		X			X		X	
Cruise V speed may exceed RSL		X			X		X	
Decrement cruise set speed		X			X		X	
Enable cruise auto resume		X			X		X	
Increment cruise set speed		X			X		X	
Max cruise set speed		X			X		X	
Min cruise set speed		X			X		X	
Cruise power			X			X		X
Cruise V speed may exceed RSL			X			X		X
Cruise V speed may exceed RSL			X			X		X
Enable cruise auto resume			X			X		X
Max cruise set speed			X			X		X
Min Cruise Set Speed Low			X			X		X
Set-speed Increment Mode			X			X		X
Set-speed Increment Mode			X			X		X
Norm Hyst Vspeed			X			X		X
Min Hyst Vspeed			X			X		X

Program Parameters	System Type							
	DD 15/14.8 L 2008 - 2009 Equipped w/ DDEC 6 Electronic Controls	DD 15/14.8 L 2010 - 2012 Equipped w/ DDEC 10 Electronic Controls	DD 15/14.8 L 2013 - 2016 Equipped w/ DDEC 13 Electronic Controls	DD 13/12.8 L 2009 Equipped w/ DDEC 6 Electronic Controls	DD 13/12.8 L 2010 - 2012 Equipped w/ DDEC 10 Electronic Controls	DD 13/12.8 L 2013 - 2016 Equipped w/ DDEC 13 Electronic Controls	DD 16/15.6 L 2010 - 2012 Equipped w/ DDEC 10 Electronic Controls	DD 16/15.6 L 2013 - 2016 Equipped w/ DDEC 13 Electronic Controls
Max Hyst Vspeed			X			X		X
CC Regular Increment Mode			X			X		X
CC Regular Increment Mode			X			X		X
Min Hyst High Vspeed			X			X		X
Enable idle PTO shtdn override			X			X		X
Enable idle shutdown			X			X		X
Enable PTO shutdown			X			X		X
Hi amb air override temp		X			X		X	
Idle shutdown auto override			X			X		X
Idle shutdown time			X			X		X
Lo amb air override temp		X			X		X	
Min coolant temp		X			X		X	
PTO shutdown time			X			X		X
Lo Amb Air Temp Idle Time			X			X		X
Hi Amb Air Temp Idle Time			X			X		X
Hi amb air override temp			X			X		X
Lo amb air override temp			X			X		X
Min coolant temp			X			X		X
Enable idle shutdown	X			X				
Idle shutdown time	X			X				
Min coolant temp	X			X				
Lo amb air override temp	X			X				
Hi amb air override temp	X			X				
Idle shutdown auto override	X			X				
PTO enable auto fan activation			X			X		X

Program Parameters	System Type							
	DD 15/14.8 L 2008 - 2009 Equipped w/ DDEC 6 Electronic Controls	DD 15/14.8 L 2010 - 2012 Equipped w/ DDEC 10 Electronic Controls	DD 15/14.8 L 2013 - 2016 Equipped w/ DDEC 13 Electronic Controls	DD 13/12.8 L 2009 Equipped w/ DDEC 6 Electronic Controls	DD 13/12.8 L 2010 - 2012 Equipped w/ DDEC 10 Electronic Controls	DD 13/12.8 L 2013 - 2016 Equipped w/ DDEC 13 Electronic Controls	DD 16/15.6 L 2010 - 2012 Equipped w/ DDEC 10 Electronic Controls	DD 16/15.6 L 2013 - 2016 Equipped w/ DDEC 13 Electronic Controls
Air condition enable auto fan			X			X		X
Remote accelerator enable	X		X	X		X		X
CDR mode		X			X		X	
CDR reset frequency			X			X		X
FEI conversion factor		X			X		X	
FEI max vehicle speed reward		X			X		X	
FEI minimum fuel economy		X			X		X	
FEI use trip mileage			X			X		X
Fuel economy incentive enable			X			X		X
Low gear trq limiting enable		X			X		X	
Max CDR incentive for CC		X			X		X	
Passmart enable			X			X		X
Progressive shift enable			X			X		X
PS high gear on vehicle spd		X			X		X	
PS high gear RPM limit		X			X		X	
PS low gear 1 max RPM limit		X	X		X	X	X	X
PS low gear 1 max vehicle spd		X	X		X	X	X	X
PS low gear 1 RPM limit		X	X		X	X	X	X
PS low gear 2 max RPM limit		X	X		X	X	X	X
PS low gear 2 max vehicle spd		X	X		X	X	X	X
PS low gear 2 RPM limit		X	X		X	X	X	X
PS pass speed duration			X			X		X
PS pass speed increment		X	X		X	X	X	X
PS pass speed interval			X			X		X
Top gear max CDR incentive		X	X		X	X	X	X

Program Parameters	System Type							
	DD 15/14.8 L 2008 - 2009 Equipped w/ DDEC 6 Electronic Controls	DD 15/14.8 L 2010 - 2012 Equipped w/ DDEC 10 Electronic Controls	DD 15/14.8 L 2013 - 2016 Equipped w/ DDEC 13 Electronic Controls	DD 13/12.8 L 2009 Equipped w/ DDEC 6 Electronic Controls	DD 13/12.8 L 2010 - 2012 Equipped w/ DDEC 10 Electronic Controls	DD 13/12.8 L 2013 - 2016 Equipped w/ DDEC 13 Electronic Controls	DD 16/15.6 L 2010 - 2012 Equipped w/ DDEC 10 Electronic Controls	DD 16/15.6 L 2013 - 2016 Equipped w/ DDEC 13 Electronic Controls
Absolute max vspeed	X	X	X	X	X	X	X	X
CDR mode			X			X		X
FEI conversion factor			X			X		X
FEI max vehicle speed reward			X			X		X
FEI minimum fuel economy			X			X		X
Max CDR incentive for CC			X			X		X
PS high gear on vehicle spd			X			X		X
PS high gear RPM limit			X			X		X
Max CDR Incentive Idle Time			X			X		X
Cool level eng protect shtdn		X			X		X	
Coolant temp eng protect shtdn		X			X		X	
Oil press eng protect shtdn		X			X		X	
Water in Fuel Shutdown Enable		X			X		X	
Cool level eng protect shtdn			X			X		X
Coolant temp eng protect shtdn			X			X		X
Oil press eng protect shtdn			X			X		X
Water in Fuel Shutdown Enable			X			X		X
Fleet management enable			X			X		X
FM alert update enable			X			X		X
FM daily usage enable			X			X		X
FM incident update enable			X			X		X
FM monthly trip enable			X			X		X
FM serv interval update enable			X			X		X
Ambient air temp sensor enable	X		X	X		X		X

Program Parameters	System Type							
	DD 15/14.8 L 2008 - 2009 Equipped w/ DDEC 6 Electronic Controls	DD 15/14.8 L 2010 - 2012 Equipped w/ DDEC 10 Electronic Controls	DD 15/14.8 L 2013 - 2016 Equipped w/ DDEC 13 Electronic Controls	DD 13/12.8 L 2009 Equipped w/ DDEC 6 Electronic Controls	DD 13/12.8 L 2010 - 2012 Equipped w/ DDEC 10 Electronic Controls	DD 13/12.8 L 2013 - 2016 Equipped w/ DDEC 13 Electronic Controls	DD 16/15.6 L 2010 - 2012 Equipped w/ DDEC 10 Electronic Controls	DD 16/15.6 L 2013 - 2016 Equipped w/ DDEC 13 Electronic Controls
Top2 cruise control sw enable			X			X		X
Manual Cruise Enable			X			X		X
Enbl MANUAL Gear Sel Mode (Detroit Transmission)			X			X		X
Enable Manual Gear Sel Mode (Detroit Transmission)								
PCC Eng Brake Mode			X			X		X
PCC Lower Veh Spd Limit			X			X		X
PCC RSL mode	X			X				
Config PTO speed control	X			X				
Max PTO spd resume accel sw	X			X				
Min PTO spd set coast sw	X			X				
PTO throttle override enable	X			X				
Throttle override max eng spd	X			X				
PTO dropout serv brk prk brk	X			X				
PTO dropout on clutch enabled	X			X				
Max road speed in PTO mode	X			X				
Set coast switch PTO set speed	X			X				
Set coast max PTO torque	X			X				
Resume accel sw PTO set spd	X			X				
Resume accel max PTO torque	X			X				
PTO ramp rate	X			X				
No of speeds via remote PTO	X			X				
Spd 1 via remote PTO	X			X				
Spd 1 max eng trq remote PTO	X			X				

Program Parameters	System Type							
	DD 15/14.8 L 2008 - 2009 Equipped w/ DDEC 6 Electronic Controls	DD 15/14.8 L 2010 - 2012 Equipped w/ DDEC 10 Electronic Controls	DD 15/14.8 L 2013 - 2016 Equipped w/ DDEC 13 Electronic Controls	DD 13/12.8 L 2009 Equipped w/ DDEC 6 Electronic Controls	DD 13/12.8 L 2010 - 2012 Equipped w/ DDEC 10 Electronic Controls	DD 13/12.8 L 2013 - 2016 Equipped w/ DDEC 13 Electronic Controls	DD 16/15.6 L 2010 - 2012 Equipped w/ DDEC 10 Electronic Controls	DD 16/15.6 L 2013 - 2016 Equipped w/ DDEC 13 Electronic Controls
Spd 2 via remote PTO	X			X				
Spd 2 max eng trq remote PTO	X			X				
Spd 3 via remote PTO	X			X				
Spd 3 max eng trq remote PTO	X			X				
Remote PTO spd selection mode	X			X				
RPM increment	X			X				
Enable PTO shutdown	X			X				
PTO shutdown time	X			X				
Enable idle PTO shtdn override	X			X				
Config PTO speed control			X			X		X
Trans ret min eng spd			X			X		X
Trans Ret Hysteresis Min Speed			X			X		X
Trans Ret Min Vspeed			X			X		X
Trans Ret 4 Min Ovs Vspeed			X			X		X
Trans Ret 4 Max Ovs Vspeed			X			X		X
Trans Ret 5 Min Ovs Vspeed			X			X		X
Trans Ret 5 Max Ovs Vspeed			X			X		X
Vehicle speed sensor	X			X				
Vehicle speed sensor	X			X				
Axle ratio	X			X				
Number of output shaft teeth	X			X				
Tire revs per unit distance	X			X				
Top gear ratio	X			X				
Second highest gear ratio	X			X				

Program Parameters	System Type							
	DD 15/14.8 L 2008 - 2009 Equipped w/ DDEC 6 Electronic Controls	DD 15/14.8 L 2010 - 2012 Equipped w/ DDEC 10 Electronic Controls	DD 15/14.8 L 2013 - 2016 Equipped w/ DDEC 13 Electronic Controls	DD 13/12.8 L 2009 Equipped w/ DDEC 6 Electronic Controls	DD 13/12.8 L 2010 - 2012 Equipped w/ DDEC 10 Electronic Controls	DD 13/12.8 L 2013 - 2016 Equipped w/ DDEC 13 Electronic Controls	DD 16/15.6 L 2010 - 2012 Equipped w/ DDEC 10 Electronic Controls	DD 16/15.6 L 2013 - 2016 Equipped w/ DDEC 13 Electronic Controls
Two spd axle second axle ratio	X			X				
Anti tamper	X			X				
Vss driving diagnostic limit	X			X				
Vss absolute diagnostic limit	X			X				

DDEC Suite (DDEC II, III, IV, V)

Coverage: 1987 - 2006

The DDEC Suite (DDEC II, III, IV, and V) provides reprogramming and diagnostic capability for DDEC II, III, IV, and V engines.

Supports

- Includes multi ECU support for DDEC II
- Supports CNG Engines

Basic Functions

- Read DDEC Proprietary Active and Inactive Fault Codes
- Clear Inactive Fault Codes
- Displays Associated Parameters with Active Fault Codes
- View Engine Data
- View, Graph, and Record Engine Data

Disclaimer:

Product specifications and data are subject to change without notice to improve functionality, reliability, design, or otherwise. Availability of tests and configurable parameters is dependent on both the vehicle concerned and the module loaded.

DDEC Suite (DDEC II, III, IV, and V)

Special Tests

Note: In the following tables X = Support for Engine ECU 128; XX = Support for Engine ECU 128, and 175; and XXX = Support for Engine ECU 128, 175, and 183.

Special Tests	System Type							
	Series 60 11.1 Liter 1987 - 1991 DDEC - II	Series 60 12.7 Liter 1987 - 1991 DDEC - II	Series 60 11.1 Liter 1992 - 1996 DDEC - III	Series 60 12.7 Liter 1992 - 1996 DDEC - III	Series 60 11.1 Liter 1997 - 1998 DDEC - IV	Series 60 12.7 Liter 1997 - 2004 DDEC - IV	Series 60 12.7 Liter 2004 - 2007 DDEC - V	Series 60 14.0 Liter 2004 - 2007 DDEC - V
Enable/Disable Page 2 Unique IDs							X	X
Cylinder Cutout	X	X	XXX	XXX	XXX	XXX	X	X
Particulate Filter De-green Reset			X	X	X	X	X	X
Reset Trip Info	X	X	X	X	X	X	X	X
Recalibrate EGR Differential Pressure Sensor			X	X	X	X	X	X
Activate Digital Outputs			XXX	XXX	XXX	XXX		
ECM Outputs			XXX	XXX	XXX	XXX		
ECM Inputs			XXX	XXX	XXX	XXX		
Activate PWM Outputs			XXX	XXX	XXX	XXX		
Reset AFR Learn Table			X	X	X	X	X	X
Reset Oil Filter			X	X	X	X	X	X
Reset Air Filter			X	X	X	X	X	X
Reset Fuel Filter			X	X	X	X	X	X
Reset Oil			X	X	X	X	X	X
Reset Coolant Inhibitor			X	X	X	X	X	X
Clear Maintenance Codes			X	X	X	X	X	X
ECM Inputs							X	X
Frequency Inputs							X	X
ECM Outputs							X	X

Special Tests	System Type							
	Series 60 11.1 Liter 1987 - 1991 DDEC - II	Series 60 12.7 Liter 1987 - 1991 DDEC - II	Series 60 11.1 Liter 1992 - 1996 DDEC - III	Series 60 12.7 Liter 1992 - 1996 DDEC - III	Series 60 11.1 Liter 1997 - 1998 DDEC - IV	Series 60 12.7 Liter 1997 - 2004 DDEC - IV	Series 60 12.7 Liter 2004 - 2007 DDEC - V	Series 60 14.0 Liter 2004 - 2007 DDEC - V
Activate Digital Outputs							X	X
Activate PWM Outputs							X	X

DDEC Suite (DDEC II, III, IV, and V)

Calibrations

Note: In the following tables X = Support for Engine ECU 128; XX = Support for Engine ECU 128, and 175; and XXX = Support for Engine ECU 128, 175, and 183.

Program Parameters	System Type							
	Series 60 11.1 Liter 1987 - 1991 DDEC - II	Series 60 12.7 Liter 1987 - 1991 DDEC - II	Series 60 11.1 Liter 1992 - 1996 DDEC - III	Series 60 12.7 Liter 1992 - 1996 DDEC - III	Series 60 11.1 Liter 1997 - 1998 DDEC - IV	Series 60 12.7 Liter 1997 - 2004 DDEC - IV	Series 60 12.7 Liter 2004 - 2007 DDEC - V	Series 60 14.0 Liter 2004 - 2007 DDEC - V
Idle Shutdown			X	X	X	X	X	X
Vehicle Speed Governor			X	X	X	X	X	X
Engine Protection			X	X	X	X	X	X
Cruise Control			X	X	X	X	X	X
Progressive Shift			X	X	X	X	X	X
Engine/Vehicle Options			X	X	X	X	X	X
Engine Droop			X	X	X	X	X	X
Air Compressor			X	X	X	X	X	X
Transmission			X	X	X	X	X	X
Maintenance Alert System			X	X	X	X	X	X
Unit Number			X	X	X	X	X	X
Vehicle Identification Number			X	X	X	X	X	X
Idle Speed Adjustment			XXX	XXX	XXX	XXX	X	X
Dynamic Brake Enabled			X	X	X	X	X	X
Engine Brake Configured			X	X	X	X	X	X
Engine Brake Minimum Speed			X	X	X	X	X	X
Half Engine Mode			X	X	X	X	X	X
Low Gear Torque Limit			X	X	X	X	X	X
Low Gear Torque Limiting Threshold			X	X	X	X	X	X

Program Parameters	System Type							
	Series 60 11.1 Liter 1987 - 1991 DDEC - II	Series 60 12.7 Liter 1987 - 1991 DDEC - II	Series 60 11.1 Liter 1992 - 1996 DDEC - III	Series 60 12.7 Liter 1992 - 1996 DDEC - III	Series 60 11.1 Liter 1997 - 1998 DDEC - IV	Series 60 12.7 Liter 1997 - 2004 DDEC - IV	Series 60 12.7 Liter 2004 - 2007 DDEC - V	Series 60 14.0 Liter 2004 - 2007 DDEC - V
Low Gear Torque Limiting Set Speed			X	X	X	X	X	X
Minimum Fuel Economy Threshold			X	X	X	X	X	X
Maximum Vehicle Speed Adjustment			X	X	X	X	X	X
Minimum Fuel Economy for Max Speed			X	X	X	X	X	X
Calculation Type			X	X	X	X	X	X
Idle Method			X	X	X	X	X	X
Load Limit			X	X	X	X	X	X
RPM Limit			X	X	X	X	X	X
Idle Options Enabled			X	X	X	X	X	X
Shutdown Time			X	X	X	X	X	X
Idle Override Enabled			X	X	X	X	X	X
Auto Override Enabled			X	X	X	X	X	X
Enabled on Vehicle Speed Governor			X	X	X	X	X	X
Ambient Temperature Lower Limit			X	X	X	X	X	X
Ambient Temperature Upper Limit			X	X	X	X	X	X
Continuous Run High Temperature							X	X
Continuous Run Low Temperature							X	X
Thermostat Extended Run Disable							X	X
Restart Min Battery Time							X	X

Program Parameters	System Type							
	Series 60 11.1 Liter 1987 - 1991 DDEC - II	Series 60 12.7 Liter 1987 - 1991 DDEC - II	Series 60 11.1 Liter 1992 - 1996 DDEC - III	Series 60 12.7 Liter 1992 - 1996 DDEC - III	Series 60 11.1 Liter 1997 - 1998 DDEC - IV	Series 60 12.7 Liter 1997 - 2004 DDEC - IV	Series 60 12.7 Liter 2004 - 2007 DDEC - V	Series 60 14.0 Liter 2004 - 2007 DDEC - V
Alt Battery Run Time							X	X
Continuous Battery Run Enabled							X	X
Ambient Air Temperature Voltage Threshold							X	X
Thermostat Mode Max Time							X	X
Target RPM							X	X
UID_241_INJECTOR_CALIB_CYL_1			XXX	XXX	XXX	XXX	X	X
UID_241_INJECTOR_CALIB_CYL_2			XXX	XXX	XXX	XXX	X	X
UID_241_INJECTOR_CALIB_CYL_3			XXX	XXX	XXX	XXX	X	X
UID_241_INJECTOR_CALIB_CYL_4			XXX	XXX	XXX	XXX	X	X
UID_241_INJECTOR_CALIB_CYL_5			XXX	XXX	XXX	XXX	X	X
UID_241_INJECTOR_CALIB_CYL_6			XXX	XXX	XXX	XXX	X	X
UID_241_INJECTOR_CALIB_CYL_7			XXX	XXX	XXX	XXX	X	X
UID_241_INJECTOR_CALIB_CYL_8			XXX	XXX	XXX	XXX	X	X
PTO Minimum Speed			XXX	XXX	XXX	XXX	X	X
PTO Maximum Speed			XXX	XXX	XXX	XXX	X	X
PTO Alternate Minimum Speed			XXX	XXX	XXX	XXX	X	X
Second Axle Ratio			X	X	X	X	X	X
Oil Temperature			X	X	X	X	X	X
Coolant Temperature			X	X	X	X	X	X
Intercooler Temperature			X	X	X	X	X	X
Oil Pressure			X	X	X	X	X	X
Crankcase Pressure			X	X	X	X	X	X
Coolant Pressure			XX	XX	XX	XX	X	X
Coolant Level			X	X	X	X	X	X
Oil Level			X	X	X	X	X	X

Program Parameters	System Type							
	Series 60 11.1 Liter 1987 - 1991 DDEC - II	Series 60 12.7 Liter 1987 - 1991 DDEC - II	Series 60 11.1 Liter 1992 - 1996 DDEC - III	Series 60 12.7 Liter 1992 - 1996 DDEC - III	Series 60 11.1 Liter 1997 - 1998 DDEC - IV	Series 60 12.7 Liter 1997 - 2004 DDEC - IV	Series 60 12.7 Liter 2004 - 2007 DDEC - V	Series 60 14.0 Liter 2004 - 2007 DDEC - V
Auxiliary Shutdown 1			X	X	X	X	X	X
Auxiliary Shutdown 2			X	X	X	X	X	X
Idle Override Enabled	X	X						
Vehicle Speed Sensor Enabled			X	X	X	X	X	X
VSS Enabled	X	X						
Vehicle Speed Limit Enabled	X	X						
Vehicle Speed Sensor Type			X	X	X	X	X	X
Vehicle Speed Limit	X	X						
Vehicle Speed Sensor Teeth			X	X	X	X	X	X
Vehicle Speed Sensor Signal			X	X	X	X	X	X
Cruise Control Enabled	X	X						
Maximum Cruise Speed	X	X						
Tire Revs Per Mile			X	X	X	X	X	X
Cruise Switch VSG Enabled	X	X						
Axle Ratio			X	X	X	X	X	X
Initial RPM	X	X						
Top Gear Ratio			X	X	X	X	X	X
Vehicle Speed Limit Enabled			X	X	X	X	X	X
Vehicle Speed Limit			X	X	X	X	X	X
Speed Sensor Anti-Tamper Enabled			X	X	X	X	X	X
Cruise Control Enabled			X	X	X	X	X	X
Adaptive Cruise Control Enabled			X	X	X	X	X	X
Minimum Cruise Speed			X	X	X	X	X	X
Maximum Cruise Speed			X	X	X	X	X	X
Auto Resume Enabled			X	X	X	X	X	X
Cruise Switch VSG Enabled			X	X	X	X	X	X

Program Parameters	System Type							
	Series 60 11.1 Liter 1987 - 1991 DDEC - II	Series 60 12.7 Liter 1987 - 1991 DDEC - II	Series 60 11.1 Liter 1992 - 1996 DDEC - III	Series 60 12.7 Liter 1992 - 1996 DDEC - III	Series 60 11.1 Liter 1997 - 1998 DDEC - IV	Series 60 12.7 Liter 1997 - 2004 DDEC - IV	Series 60 12.7 Liter 2004 - 2007 DDEC - V	Series 60 14.0 Liter 2004 - 2007 DDEC - V
Initial RPM			X	X	X	X	X	X
RPM Increment			X	X	X	X	X	X
Allow Engine Brake During Cruise			X	X	X	X	X	X
Cruise Engine Brake Speed			X	X	X	X	X	X
Cruise Engine Brake Speed Increment			X	X	X	X	X	X
Maximum Overspeed Limit			X	X	X	X	X	X
Maximum Speed - No Fuel			X	X	X	X	X	X
Passing Speed Duration			X	X	X	X	X	X
Passing Speed Reset			X	X	X	X	X	X
Passing Speed Increment			X	X	X	X	X	X
Progressive Shift Enabled			X	X	X	X	X	X
Low Gear 1 - Turn Off Speed			X	X	X	X	X	X
Low Gear 1 - RPM Limit			X	X	X	X	X	X
Low Gear 2 - Turn Off Speed							X	X
Low Gear 1 - Max Limit			X	X	X	X	X	X
High Gear - Turn On Speed							X	X
Low Gear 2 - Turn Off Speed			X	X	X	X		
Low Gear 2 - RPM Limit			X	X	X	X	X	X
Low Gear 2 - Max Limit			X	X	X	X	X	X
High Gear - Turn On Speed			X	X	X	X		
High Gear - RPM Limit							X	X
High Gear - RPM Limit			X	X	X	X		
Low Speed Governor RPM Droop	X	X						
Vehicle Speed Governor Droop RPM			XXX	XXX	XXX	XXX	X	X

Program Parameters	System Type							
	Series 60 11.1 Liter 1987 - 1991 DDEC - II	Series 60 12.7 Liter 1987 - 1991 DDEC - II	Series 60 11.1 Liter 1992 - 1996 DDEC - III	Series 60 12.7 Liter 1992 - 1996 DDEC - III	Series 60 11.1 Liter 1997 - 1998 DDEC - IV	Series 60 12.7 Liter 1997 - 2004 DDEC - IV	Series 60 12.7 Liter 2004 - 2007 DDEC - V	Series 60 14.0 Liter 2004 - 2007 DDEC - V
PTO Maximum Speed	X	X						
Low Speed Governor RPM Droop			XXX	XXX	XXX	XXX	X	X
Vehicle Speed Governor Droop RPM	X	X						
Engine Rating			XXX	XXX	XXX	XXX	X	X
Load Pressure			X	X	X	X	X	X
Unload Pressure			X	X	X	X	X	X
Maximum pressure 0 set point			X	X	X	X	X	X
Minimum pressure 0 set point			X	X	X	X	X	X
Maximum pressure 1 set point			X	X	X	X	X	X
Minimum pressure 1 set point			X	X	X	X	X	X
Maximum pressure 2 set point			X	X	X	X	X	X
Minimum pressure 2 set point			X	X	X	X	X	X
Late Change			X	X	X	X		
Second Chance			X	X	X	X		
Engine Brake Shift			X	X	X	X		
Skip Shift			X	X	X	X		
Top 2 Cruise Switch			X	X	X	X	X	X
Check Engine Light Filter Mode			X	X	X	X	X	X
Check Engine Light Levels Mode			X	X	X	X	X	X
Calibrations Password			XXX	XXX	XXX	XXX	X	X
Engine Rating Password			XXX	XXX	XXX	XXX	X	X
Function Lockout Password			X	X	X	X	X	X
Injector Calibrations Password			X	X	X	X	X	X
Backdoor Password							X	X
PPM	X	X						
Ratio RPM/MPH	X	X						

Program Parameters	System Type							
	Series 60 11.1 Liter 1987 - 1991 DDEC - II	Series 60 12.7 Liter 1987 - 1991 DDEC - II	Series 60 11.1 Liter 1992 - 1996 DDEC - III	Series 60 12.7 Liter 1992 - 1996 DDEC - III	Series 60 11.1 Liter 1997 - 1998 DDEC - IV	Series 60 12.7 Liter 1997 - 2004 DDEC - IV	Series 60 12.7 Liter 2004 - 2007 DDEC - V	Series 60 14.0 Liter 2004 - 2007 DDEC - V
Time (min)	X	X						
Throttle Inhibit	X	X						
Idle Shutdown	X	X						
Cruise Switch VSG Enabled	X	X						
Port Used	X	X						
Engine Shutdown	X	X						
Auxiliary Power Control	X	X						

Detroit Diesel MBE

Coverage: 2001 - 2006

The Detroit Diesel MBE software application provides reprogramming and diagnostic capability for pre-EPA '07 Detroit Diesel MBE electronic systems.

Supports

- Supports MBE 900 and 4000

Basic Functions

- Read Fault Codes
- Clear Inactive Fault Codes

Disclaimer:

Product specifications and data are subject to change without notice to improve functionality, reliability, design, or otherwise. Availability of tests and configurable parameters is dependent on both the vehicle concerned and the module loaded.

Detroit Diesel MBE

Special Tests

Special Tests	System Type		
	MBE 904 / 924 PLD Versions 4 thru 29 VCU Versions 150 thru 156	MBE 906 PLD Versions 4 thru 29 VCU Versions 150 thru 156	MBE 4000 PLD Versions 4 thru 29 VCU Versions 150 thru 156
"View Voltages" Boost Pressure Sensor	X	X	X
"View Voltages" Ambient Pressure Sensor	X	X	X
"View Voltages" Oil Pressure Sensor	X	X	X
"View Voltages" Fuel Pressure Sensor	X	X	X
"View Voltages" Oil Level Sensor	X	X	X
"View Voltages" Boost Temperature Sensor	X	X	X
"View Voltages" Coolant Temperature Sensor	X	X	X
"View Voltages" Fuel Temperature Sensor	X	X	X
"View Voltages" Air Mass Sensor	X	X	X
"View Voltages" Sensor Supply Voltage	X	X	X
"View Voltages" Oil Pressure (Active) Sensor	X	X	X
Injector Cutout	X	X	X
Relative Compression	X	X	X

Detroit Diesel MBE

Calibrations

Program Parameters	System Type		
	MBE 904 / 924 PLD Versions 4 thru 29 VCU Versions 150 thru 156	MBE 906 PLD Versions 4 thru 29 VCU Versions 150 thru 156	MBE 4000 PLD Versions 4 thru 29 VCU Versions 150 thru 156
Enable Starter Lockout	X	X	X
Enable Idle Shutdown	X	X	X
Idle Shutdown Time	X	X	X
Enable PTO Shutdown	X	X	X
PTO Shutdown Time	X	X	X
Enable Idle/PTO Shutdown Override	X	X	X
Maximum Engine Load for PTO Shutdown	X	X	X
Time for CEL Before Idle/PTO Shutdown	X	X	X
Time for SEL Before Idle/PTO Shutdown	X	X	X
Minimum Coolant Temperature for Idle Shutdown	X	X	X
Enable Shutdown on Coolant Temp	X	X	X
Enable Shutdown on Coolant Level	X	X	X
Enable Shutdown on Oil Pressure	X	X	X
Enable Shutdown on Oil Level	X	X	X
Shutdown Time	X	X	X
Shutdown Time on Oil Pressure	X	X	X
Shutdown Override Counts	X	X	X
Time for CEL Before Shutdown	X	X	X
Time for SEL Before Shutdown	X	X	X
Enable Limiting Torque Ramp Increment	X	X	X
Limiting Torque Ramp Increment	X	X	X
Ramp up Rate	X	X	X
Minimum Engine Torque	X	X	X

Program Parameters	System Type		
	MBE 904 / 924 PLD Versions 4 thru 29 VCU Versions 150 thru 156	MBE 906 PLD Versions 4 thru 29 VCU Versions 150 thru 156	MBE 4000 PLD Versions 4 thru 29 VCU Versions 150 thru 156
Minimum Engine Speed for Engine Brake	X	X	X
Maximum Throttle Position for Engine Brake	X	X	X
Enable Engine Brakes on Service Brakes	X	X	X
Minimum Engine Brakes Road Speed Limit	X	X	X
Enable Engine Brakes on Cruise Control	X	X	X
Maximum Cruise Control Over-Speed for Engine Brake Low	X	X	X
Minimum Cruise Control Over-Speed for Engine Brake Low	X	X	X
Maximum Cruise Control Over-Speed for Engine Brake High	X	X	X
Minimum Cruise Control Over-Speed for Engine Brake High	X	X	X
Road Speed Limit Over-Speed for Automatic Engine Brake	X	X	X
Engine Brake Configuration	X	X	X
Engine Brake Stage 1 Mask	X	X	X
Engine Brake Stage 1 Factor	X	X	X
Engine Brake Stage 2 Mask	X	X	X
Engine Brake Stage 2 Factor	X	X	X
Engine Brake Stage 3 Mask	X	X	X
Engine Brake Stage 3 Factor	X	X	X
Engine Brake Transmission Mask	X	X	X
Engine Brake Transmission Factor	X	X	X
ABS/ATC Type	X	X	X
Minimum Road Speed for Cruise Speed	X	X	X
Maximum Set Speed for Cruise Speed	X	X	X
Enable Cruise Auto Resume	X	X	X
Road Speed Limit	X	X	X
Second Road Speed Limit	X	X	X
Torque Factor Gear Down Protection	X	X	X
Gear Ration for Gear Down Protection	X	X	X

Program Parameters	System Type		
	MBE 904 / 924 PLD Versions 4 thru 29 VCU Versions 150 thru 156	MBE 906 PLD Versions 4 thru 29 VCU Versions 150 thru 156	MBE 4000 PLD Versions 4 thru 29 VCU Versions 150 thru 156
Torque Factor for High Gear Power	X	X	X
Gear Ratio for High Gear Power	X	X	X
Torque Factor for Cruise Power	X	X	X
Maximum Engine Speed for Progressive Shifting	X	X	X
Gears up to Gear Ratio for which Max Engine Speed Applies	X	X	X
Enable Fan on Engine Brake	X	X	X
Enable Fan on Air Conditioner	X	X	X
Enable Fan on PTO	X	X	X
Cool Temp Limit to Enable Fan	X	X	X
Cool Temp Limit to Disable Fan	X	X	X
Enable Fast Idle on Air Condition Input	X	X	X
Fast Idle Speed	X	X	X
Maximum Road Speed for Idle Increment/Decrement	X	X	X
Engine Speed Limit at Vehicle Standstill	X	X	X
Low Idle Speed	X	X	X
Engine Speed Max	X	X	X
Enable PTO Function	X	X	X
Maximum PTO Engine Speed	X	X	X
Minimum PTO Engine Speed	X	X	X
Enable PTO Throttle Override	X	X	X
Maximum Engine Speed for Throttle Override	X	X	X
Enable PTO Dropout on Service Brake	X	X	X
Enable PTO Dropout on Clutch	X	X	X
Maximum Road Speed in PTO	X	X	X
PTO Set Speed with Cruise Set Switch	X	X	X
PTO Maximum Engine Torque	X	X	X
PTO Set Speed with Resume Switch	X	X	X

Program Parameters	System Type		
	MBE 904 / 924 PLD Versions 4 thru 29 VCU Versions 150 thru 156	MBE 906 PLD Versions 4 thru 29 VCU Versions 150 thru 156	MBE 4000 PLD Versions 4 thru 29 VCU Versions 150 thru 156
Resume PTO Maximum Engine Torque	X	X	X
PTO Ramp Rate	X	X	X
Number of Remote PTO Speeds	X	X	X
PTO Speed 1	X	X	X
PTO Speed 1 Maximum Engine Torque	X	X	X
PTO Speed 2	X	X	X
PTO Speed 2 Maximum Engine Torque	X	X	X
PTO Speed 3	X	X	X
Speed 3 Maximum Engine Torque	X	X	X
Transmission Type	X	X	X
Enable Droop Control Mode	X	X	X
Droop Maximum Engine Torque	X	X	X
Enable Park Brake with PTO	X	X	X
Enable Park Brake Logic PTO	X	X	X
Idle Validation Switch Limp Home Engine Speed	X	X	X
Remote Accelerator Pedal Idle Position	X	X	X
Remote Accelerator Pedal Wide Open Pos	X	X	X
VSS Input Configuration	X	X	X
Axle Ratio	X	X	X
Two Speed – Second Axle Ratio	X	X	X
Number of Output Shaft Teeth	X	X	X
Tire Revolutions / Unit Distance	X	X	X
Top Gear Ratio	X	X	X
Enable Remote Accelerator Input	X	X	X
Enable Coolant Level Input	X	X	X
Enable Air Conditioning Input	X	X	X
Enable Air Filter Input	X	X	X

Program Parameters	System Type		
	MBE 904 / 924 PLD Versions 4 thru 29 VCU Versions 150 thru 156	MBE 906 PLD Versions 4 thru 29 VCU Versions 150 thru 156	MBE 4000 PLD Versions 4 thru 29 VCU Versions 150 thru 156
Enable Service Brake Input	X	X	X
Enable Transmission Neutral Input	X	X	X
Enable Park Brake Input	X	X	X
Cruise Switch Configuration	X	X	X
Cruise Set/Resume Configuration	X	X	X
Cruise Pause Configuration	X	X	X
Service Brake Configuration	X	X	X
Park Brake Configuration	X	X	X
Clutch Configuration	X	X	X
2 Speed Axle Configuration	X	X	X
Engine Brake Configuration	X	X	X
Enable Fleet Management	X	X	X
Second Highest Gear Ratio	X	X	X
Fuel Density	X	X	X
Cold Start Configuration	X	X	X
Transmission Type	X	X	X
ABS/ATC Type	X	X	X
Grid Heater	X	X	X
Minimum Engine Speed	X	X	X
Maximum Engine Speed	X	X	X
Maximum Road Speed	X	X	X
Limit Torque Ramp	X	X	X
Limit Torque Ramp Increment	X	X	X
Engine Speed Limit While Vehicle Stop	X	X	X
Minimum Engine Speed LIM0 Enabled	X	X	X
Maximum Engine Speed LIM0 Enabled	X	X	X
Maximum Road Speed LIM0 Enabled	X	X	X

Program Parameters	System Type		
	MBE 904 / 924 PLD Versions 4 thru 29 VCU Versions 150 thru 156	MBE 906 PLD Versions 4 thru 29 VCU Versions 150 thru 156	MBE 4000 PLD Versions 4 thru 29 VCU Versions 150 thru 156
Maximum Engine Torque LIM0 Enabled	X	X	X
Minimum Engine Speed LIM1 Enabled	X	X	X
Maximum Engine Speed LIM1 Enabled	X	X	X
Maximum Road Speed LIM1 Enabled	X	X	X
Maximum Engine Torque LIM1 Enabled	X	X	X
Enable Fast Idle on Air Conditioner Input	X	X	X
Fast Idle Speed on Air Conditioning	X	X	X
Configuration PTO Speed Control	X	X	X
Maximum PTO Speed CC+ Switch	X	X	X
Minimum PTO Speed CC- Switch	X	X	X
PTO Throttle Override Enable	X	X	X
Maximum Engine Speed for Throttle Override	X	X	X
PTO Dropout On Service Brake or Park Brake Enabled	X	X	X
PTO Dropout on Clutch Enabled	X	X	X
Maximum Road Speed in PTO Mode	X	X	X
PTO Set Speed with CC+ Switch	X	X	X
PTO Set Speed CC- Switch	X	X	X
PTO Speed Governor Type with CC+ Switch	X	X	X
PTO Speed Governor Type with CC- Switch	X	X	X
Maximum PTO Torque with CC+ Switch	X	X	X
Maximum PTO Torque with CC- Switch	X	X	X
PTO Ramp Rate	X	X	X
Number of Speeds via Remote PTO (Pin 18/10)	X	X	X
PTO Speed 1	X	X	X
PTO Speed 1 Governor Type	X	X	X
PTO Speed 1 Maximum Engine Torque	X	X	X
PTO Speed 2	X	X	X

Program Parameters	System Type		
	MBE 904 / 924 PLD Versions 4 thru 29 VCU Versions 150 thru 156	MBE 906 PLD Versions 4 thru 29 VCU Versions 150 thru 156	MBE 4000 PLD Versions 4 thru 29 VCU Versions 150 thru 156
PTO Speed 2 Governor Type	X	X	X
PTO Speed 2 Maximum Engine Torque	X	X	X
PTO Speed 3	X	X	X
PTO Speed 3 Governor Type	X	X	X
PTO Speed 3 Maximum Engine Torque	X	X	X
Vehicle Speed Sensor	X	X	X
Axle Ratio	X	X	X
Two Speed Axle – Second Axle Ratio	X	X	X
Number of Output Shaft Teeth	X	X	X
Tire Revolutions / Unit Distance	X	X	X
Top Gear Ratio	X	X	X
Second Highest Gear Ratio	X	X	X
Gear Ratio Tolerance	X	X	X
Anti Tamper	X	X	X
Minimum Engine Speed for Engine Brakes	X	X	X
Maximum Engine Throttle Position for Engine Brakes	X	X	X
Enable Engine Brakes on Service Brake	X	X	X
Minimum Road Speed for Engine Brakes	X	X	X
Enable Engine Brake on Road Speed Limiter	X	X	X
Enable Engine Brakes on Cruise Control	X	X	X
CC Engine Brake 1 On	X	X	X
CC Engine Brake 1 Off	X	X	X
CC Engine Brake 2 On	X	X	X
CC Engine Brake 2 Off	X	X	X
Engine Brake Configuration	X	X	X
Engine Brake Stage 1 Mask	X	X	X
Engine Brake Stage 1 Factor	X	X	X

Program Parameters	System Type		
	MBE 904 / 924 PLD Versions 4 thru 29 VCU Versions 150 thru 156	MBE 906 PLD Versions 4 thru 29 VCU Versions 150 thru 156	MBE 4000 PLD Versions 4 thru 29 VCU Versions 150 thru 156
Engine Brake Stage 2 Mask	X	X	X
Engine Brake Stage 2 Factor	X	X	X
Engine Brake Stage 3 Mask	X	X	X
Engine Brake Stage 3 Factor	X	X	X
Engine Brake Transmission Mask	X	X	X
Engine Brake Transmission Factor	X	X	X
Maintenance Alert System	X	X	X
Check/Stop Engine Lamp (CEL/SEL) Delay After Ignition	X	X	X
Level Fault Check/Stop Engine Lamp (CEL/SEL) Flash Mode	X	X	X
Filter Fault Check/Stop Engine Lamp (CEL/SEL) Flash Mode	X	X	X
Optimized Idle	X	X	X
Coolant Level Sensor Input (KW_SE)	X	X	X
Enable Air Filter Sensor Input	X	X	X
Enable Service Brake Input	X	X	X
Service Brake Switch Configuration	X	X	X
Enable Transmission Neutral Input (NE)	X	X	X
Enable Park Brake Input	X	X	X
Park Brake Switch Configuration	X	X	X
CC Switch On/Off Configuration	X	X	X
CC Switch Set/Coast & Resume/Accel Configuration	X	X	X
CC Pause Configuration	X	X	X
2 Axle Speed Switch Configuration	X	X	X
Clutch Configuration	X	X	X
Engine Brake Switch Configuration	X	X	X
Minimum Road Speed for Cruise Speed	X	X	X
Maximum Set Speed for Cruise Speed	X	X	X
Enable Cruise Auto Resume	X	X	X

Program Parameters	System Type		
	MBE 904 / 924 PLD Versions 4 thru 29 VCU Versions 150 thru 156	MBE 906 PLD Versions 4 thru 29 VCU Versions 150 thru 156	MBE 4000 PLD Versions 4 thru 29 VCU Versions 150 thru 156
Cruise Power	X	X	X
Output Relay 1/Starter Lockout	X	X	X
Enable Idle Shutdown	X	X	X
Idle Shutdown Time	X	X	X
Enable PTO Shutdown	X	X	X
PTO Shutdown Time	X	X	X
Maximum Engine Load for PTO Shutdown	X	X	X
PTO Check Engine Lamp (CEL) Time	X	X	X
PTO Stop Engine Lamp (SEL) Time	X	X	X
Minimum Coolant Temp	X	X	X
Enable Idle/PTO Shutdown Override	X	X	X
Enable Shutdown on Coolant Temp	X	X	X
Enable Shutdown on Coolant Level	X	X	X
Enable Shutdown on Oil Pressure	X	X	X
Enable Shutdown on Oil Level	X	X	X
Shutdown Time	X	X	X
Shutdown Time on Oil Pressure	X	X	X
Shutdown Override Counts	X	X	X
Time for Check Engine Lamp (CEL) Before Shutdown	X	X	X
Time for Stop Engine Lamp (SEL) Before Shutdown	X	X	X
Enable Fan on Engine Brake	X	X	X
Enable Fan on Air Conditioner	X	X	X
Enable Fan on PTO	X	X	X
Cool Temp @ 0% Fan	X	X	X
Cool Temp @ 100% Fan	X	X	X
Enable Remote Accelerator Pedal Input	X	X	X
Remote Accelerator Pedal Idle Position	X	X	X

Program Parameters	System Type		
	MBE 904 / 924 PLD Versions 4 thru 29 VCU Versions 150 thru 156	MBE 906 PLD Versions 4 thru 29 VCU Versions 150 thru 156	MBE 4000 PLD Versions 4 thru 29 VCU Versions 150 thru 156
Remote Accelerator Pedal Wide Open Position	X	X	X
Droop Control Mode	X	X	X
Droop Control Governor Type	X	X	X
Droop Maximum Engine Torque	X	X	X
Enable Passing Speed (PS)	X	X	X
Passing Speed Adder	X	X	X
Passing Speed Duration	X	X	X
Passing Speed Ramp Down Time	X	X	X
Passing Speed Reset Interval	X	X	X
Enable Fuel Economy Incentive (FEI)	X	X	X
FEI Maximum Vehicle Speed Reward	X	X	X
FEI Minimum Fuel Economy	X	X	X
FEI Conversion Factor	X	X	X
FEI Use Trip Mileage	X	X	X
Maximum Engine Speed for Progressive Shifting	X	X	X
Gear Ratio for Progressive Shifting	X	X	X
Torque Factor Gear Down Protection	X	X	X
Gear Ratio for Gear Down Protection	X	X	X
Torque Factor High Gear Power	X	X	X
Gear Ratio for High Gear Power	X	X	X
Torque Factor for Cruise Power	X	X	X
Acceleration Limiter Ramp up Rate	X	X	X
Acceleration Limiter Minimum Engine Torque	X	X	X
Acceleration Limiter Conditions	X	X	X
Enable Fleet Management	X	X	X
Fuel Density	X	X	X
Password Level 1	X	X	X

Program Parameters	System Type		
	MBE 904 / 924 PLD Versions 4 thru 29 VCU Versions 150 thru 156	MBE 906 PLD Versions 4 thru 29 VCU Versions 150 thru 156	MBE 4000 PLD Versions 4 thru 29 VCU Versions 150 thru 156
Password Level 2	X	X	X
Password Level 3	X	X	X
Password Level 4	X	X	X
Password Level 5	X	X	X
Password Level 6	X	X	X
Password Level 7	X	X	X
Backdoor Password	X	X	X
PWM 1	X	X	X
PWM 2	X	X	X
PWM 3	X	X	X
PWM 4	X	X	X
Proportional Valve 1	X	X	X
Proportional Valve 2	X	X	X
Proportional Valve 3	X	X	X
Proportional Valve 4	X	X	X
Proportional Valve 5	X	X	X
Proportional Valve 6	X	X	X
Proportional Valve 1	X	X	X
Proportional Valve 2	X	X	X
Proportional Valve 3	X	X	X
Proportional Valve 4	X	X	X
Proportional Valve 5	X	X	X
Proportional Valve 6	X	X	X
Injector 1	X	X	X
Injector 2	X	X	X
Injector 3	X	X	X
Injector 4	X	X	X

Program Parameters	System Type		
	MBE 904 / 924 PLD Versions 4 thru 29 VCU Versions 150 thru 156	MBE 906 PLD Versions 4 thru 29 VCU Versions 150 thru 156	MBE 4000 PLD Versions 4 thru 29 VCU Versions 150 thru 156
Injector 5	X	X	X
Injector 6	X	X	X

CAT Engines with ACERT

Coverage: 2003 - 2009

The CAT® Engines with ACERT™ Technology software application provides reprogramming and diagnostic capability for CAT® ACERT™ electronic systems.

Basic Functions

- Read Fault Codes
- Clear Fault Codes
- View/Reset Trip Data
- View Engine Data
- View, Graph, and Record Engine Data

Advanced Features

- Histogram
 - o Engine RPM vs. Time (%)
 - o MPH vs. Time (%)

Disclaimer:

Product specifications and data are subject to change without notice to improve functionality, reliability, design, or otherwise. Availability of tests and configurable parameters is dependent on both the vehicle concerned and the module loaded.

CAT Engines with ACERT Technology

Special Tests

Note: In the following tables the **red X** indicates that the test is dependent on the version of the software loaded on the vehicle. As a result, the test may, or may not, be available. GMT = General Motors Truck.

Special Tests	System Type																
	C7 Truck	C7 Truck Post 2007	C9 Truck	C9 Post 2007	C11	C11 Post 2007	C13	C13 Post 2007	C15 Indus- trial	C15	C15 Post 2007	C18 Indus- trial	C18	C7 GMT 530/540	C9 GMT 530/540	C7 GMT 560	C9 GMT 560
System Troubleshooting Setting: Cooling Fan	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
System Troubleshooting Setting: Dyno Mode					X	X	X	X	X	X	X	X	X				
System Troubleshooting Setting: Fuel Temp Correction	X		X		X		X		X	X		X	X	X	X	X	X
System Troubleshooting Setting: Idle Shutdown Timer	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
System Troubleshooting Setting: Powertrain Data Link	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Boost Calibration	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Timing Calibration	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Monitor Throttle Position Sensor	X		X											X	X	X	X

Special Tests	System Type																
	C7 Truck	C7 Truck Post 2007	C9 Truck	C9 Post 2007	C11	C11 Post 2007	C13	C13 Post 2007	C15 Indus- trial	C15	C15 Post 2007	C18 Indus- trial	C18	C7 GMT 530/540	C9 GMT 530/540	C7 GMT 560	C9 GMT 560
PTO Throttle Position Sensor	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Injector Solenoid Test		X		X	X	X	X	X	X	X	X	X	X				
Injector Cutout	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Injector Actuation Pressure Test		X		X	X	X	X	X	X	X	X	X	X				
Engine Shutdown Output	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Retarder/Exhaust Brake		X		X	X	X	X	X	X	X	X	X	X				
Inlet Air Heater Enable		X		X	X	X	X	X	X	X	X	X	X				
AT/MT/HT Transmission Interface		X		X	X	X	X	X	X	X	X	X	X				
Low Coolant Level Lamp	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Fast Idle Enabled Lamp	X	X	X	X		X		X			X					X	X
High Coolant Temperature Lamp	X	X	X	X	X	X	X	X	X	X	X	X	X				
Wait To Start Lamp	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Change Oil Lamp	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
PTO Active Output	X		X											X	X	X	X
Low Oil Pressure Lamp	X		X											X	X	X	X
Tachometer Circuit		X		X	X	X	X	X	X	X	X	X	X				
PTO Switch On Lamp	X	X	X	X	X	X	X	X	X	X	X	X	X				
On/Off Cooling Fan	X	X	X	X	X	X	X	X	X	X	X	X	X				
Engine Running Output	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		

Special Tests	System Type																
	C7 Truck	C7 Truck Post 2007	C9 Truck	C9 Post 2007	C11	C11 Post 2007	C13	C13 Post 2007	C15 Indus- trial	C15	C15 Post 2007	C18 Indus- trial	C18	C7 GMT 530/540	C9 GMT 530/540	C7 GMT 560	C9 GMT 560
Turbo Wastegate Solenoid	X		X														
55 MPH VSP/Speedometer	X		X											X	X	X	X
Starting Aid Output	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Injection Actuation Pressure Driver	X		X											X	X	X	X
Histogram: MPH vs. Time (%)					X		X		X	X		X	X				
Histogram: Engine RPM vs. Time (%)		X		X	X	X	X	X	X	X	X	X	X				
ECU Date/Time	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Reset Driver Trip Info		X		X	X	X	X	X	X	X	X	X	X				
Reset Fleet Trip Info					X		X			X			X				
Intake Valve Actuation Solenoid Test	X	X	X	X	X		X		X	X		X	X	X	X	X	X
Warning Lamp	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Auxiliary Brake	X	X		X	X	X	X	X	X	X	X	X	X				
Three Speed Fan Slip Output	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Lockout Solenoid	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Shift Solenoid	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Three Speed Fan Brake	X		X											X	X	X	X
J1939 Dash Cluster																X	X
Intake Valve Actuation Pressure Solenoid	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Coolant Diverter Valve	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

Special Tests	System Type																
	C7 Truck	C7 Truck Post 2007	C9 Truck	C9 Post 2007	C11	C11 Post 2007	C13	C13 Post 2007	C15 Indus- trial	C15	C15 Post 2007	C18 Indus- trial	C18	C7 GMT 530/540	C9 GMT 530/540	C7 GMT 560	C9 GMT 560
Air Inlet Shutoff System Control		X		X		X		X			X						
Air Inlet Shutoff Relay Output		X		X		X		X			X						
ARD Diesel Particulate Filter Lamp		X		X		X		X			X						
ARD Exhaust System High Temperature Lamp		X		X		X		X			X						
ARD Disabled Lamp		X		X		X		X			X						

CAT Engines with ACERT Technology

Calibrations

Note: In the following tables the **red X** indicates that the parameter is dependent on the version of the software loaded on the vehicle.

As a result, the parameter may, or may not, be available. GMT = General Motors Truck.

Program Parameters	System Type																
	C7 Truck	C7 Truck Post 2007	C9 Truck	C9 Post 2007	C11	C11 Post 2007	C13	C13 Post 2007	C15 Industrial	C15	C15 Post 2007	C18 Industrial	C18	C7 GMT 530/540	C9 GMT 530/540	C7 GMT 560	C9 GMT 560
Change ECU Rating	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Parameter Lockout List	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Unprogrammed Parameters	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
VIN	X	X	X	X		X		X			X			X	X	X	X
Engine Serial Number	X	X	X	X		X		X			X			X	X	X	X
ECU Serial Number	X		X											X	X	X	X
ECU Personality Module	X	X	X	X		X		X			X			X	X	X	X
ECU Release Date	X	X	X	X		X		X			X			X	X	X	X
Total Tattletale	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Last Tool To Change Customer Parameters	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Last Tool To Change System Parameters	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Vehicle Speed Calibration	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Vehicle Speed Cal (J1939 - Trans)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

Program Parameters	System Type																
	C7 Truck	C7 Truck Post 2007	C9 Truck	C9 Post 2007	C11	C11 Post 2007	C13	C13 Post 2007	C15 Industrial	C15	C15 Post 2007	C18 Industrial	C18	C7 GMT 530/540	C9 GMT 530/540	C7 GMT 560	C9 GMT 560
Vehicle Speed Cal (J1939 - ABS)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Vehicle Speed Limit	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
VSL Protection	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Tachometer Calibration	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Soft Vehicle Speed Limit	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Low Speed Range Axle Ratio	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
High Speed Range Axle Ratio	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Program Preventative Maintenance 1 Indicator	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Engine Oil Capacity	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Customer Password #1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Customer Password #2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Powertrain Data Link	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Personality Module Code	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Full Load Setting	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Full Torque Setting	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Idle Vehicle Speed Limit	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Idle RPM Limit	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

Program Parameters	System Type																
	C7 Truck	C7 Truck Post 2007	C9 Truck	C9 Post 2007	C11	C11 Post 2007	C13	C13 Post 2007	C15 Industrial	C15	C15 Post 2007	C18 Industrial	C18	C7 GMT 530/540	C9 GMT 530/540	C7 GMT 560	C9 GMT 560
Idle/PTO RPM Ramp Rate	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Fast Idle RPM # 1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Idle/PTO Bump RPM	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Warm Up Mode Idle Speed	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Fast Idle RPM #2 (0=Off)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Rating Number	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Rating Type	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Advertised Power	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Governed Speed	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Rated Peak Torque	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Rated Peak Torque at RPM	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Top Engine Speed Maximum	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Top Engine Speed Minimum	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Test Spec	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Test Spec with Brake Saver	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Multi-Torque Ratio	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Advertised Power	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Governed Speed	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Rated Peak Torque	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

Program Parameters	System Type																
	C7 Truck	C7 Truck Post 2007	C9 Truck	C9 Post 2007	C11	C11 Post 2007	C13	C13 Post 2007	C15 Industrial	C15	C15 Post 2007	C18 Industrial	C18	C7 GMT 530/540	C9 GMT 530/540	C7 GMT 560	C9 GMT 560
Rated Peak Torque at RPM	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Top Engine Speed Maximum	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Top Engine Speed Minimum	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Test Spec	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Test Spec with Brake Saver	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Multi-Torque Ratio	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Cruise/Idle/PTO Switch Configuration	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
SoftCruise Control														X	X	X	X
Engine Retarder	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Auto Retarder In Cruise (0=Off)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Low Cruise Control Speed Set Limit	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
High Cruise Control Speed Set Limit	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Engine Retarder Minimum VSL Type	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Engine Retarder Minimum Vehicle Speed Limit	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Auto Retarder In Cruise Increment	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

Program Parameters	System Type																
	C7 Truck	C7 Truck Post 2007	C9 Truck	C9 Post 2007	C11	C11 Post 2007	C13	C13 Post 2007	C15 Industrial	C15	C15 Post 2007	C18 Industrial	C18	C7 GMT 530/540	C9 GMT 530/540	C7 GMT 560	C9 GMT 560
Adaptive Cruise Control Enable		X		X	X	X	X	X	X	X	X	X	X				
PTO Top Engine Limit	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
PTO Engine RPM Set Speed (0=Off)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
PTO Configuration	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
PTO Cab Throttle RPM Limit	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
PTO Activates Cooling Fan	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
PTO To Set Speed														X	X		
Torque Limit	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
PTO Shutdown Time (0=Off)																X	X
PTO Kickout Vehicle Speed Limit	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
PTO Engine RPM Set Speed A (0=Off)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
PTO Engine RPM Set Speed B (0=Off)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Maximum PTO Enable Speed	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Max PTO Vehicle Speed	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Exhaust Brake/Warm Up Enable	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

Program Parameters	System Type																
	C7 Truck	C7 Truck Post 2007	C9 Truck	C9 Post 2007	C11	C11 Post 2007	C13	C13 Post 2007	C15 Industrial	C15	C15 Post 2007	C18 Industrial	C18	C7 GMT 530/540	C9 GMT 530/540	C7 GMT 560	C9 GMT 560
Battery Monitor and Engine Control Voltage	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Battery Monitor Low Idle Engine Speed	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Dash - Change Fuel Correction Factor	X													X	X		
Dash - PM1 Reset					X		X			X			X			X	X
Quick Stop Rate					X											X	X
Dash - Fleet Trip Reset	X		X											X	X		
Dash - State Selection		X		X			X		X	X		X	X				
Fuel Correction Factor	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Minimum Idle Time	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Vehicle Overspeed Threshold	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Idle Shutdown Time (0=Off)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Idle Shutdown Timer Maximum RPM	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Fan With Exhaust Brake On	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Allow Idle Shutdown Override	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

Program Parameters	System Type																
	C7 Truck	C7 Truck Post 2007	C9 Truck	C9 Post 2007	C11	C11 Post 2007	C13	C13 Post 2007	C15 Industrial	C15	C15 Post 2007	C18 Industrial	C18	C7 GMT 530/540	C9 GMT 530/540	C7 GMT 560	C9 GMT 560
Minimum Idle Shutdown Outside Temperature	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Maximum Idle Shutdown Outside Temperature	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
A/C Switch Fan On-Time (0=Off)					X		X		X	X		X	X				
Engine Retarder Delay	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Engine Monitoring Mode	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Engine Monitoring Lamps	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Coolant Level Sensor	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Intermediate Gears Engine RPM Limit	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Lower Gears Engine RPM Limit	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Intermediate Gears Turn Off Speed	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Gear Down Protection RPM Limit	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Gear Down Protection Turn On Speed	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Low Idle Engine RPM	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Transmission Style	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

Program Parameters	System Type																
	C7 Truck	C7 Truck Post 2007	C9 Truck	C9 Post 2007	C11	C11 Post 2007	C13	C13 Post 2007	C15 Industrial	C15	C15 Post 2007	C18 Industrial	C18	C7 GMT 530/540	C9 GMT 530/540	C7 GMT 560	C9 GMT 560
Lower Gears Turn Off Speed	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Top Gear Minus One Ratio	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Eaton Top 2 Override with Cruise Switch	X*	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Top Gear Minus Two Ratio	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Governor Type	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Top Gear Ratio	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Secondary Fuel Tank Capacity	X		X		X		X		X	X		X	X	X	X	X	X
Primary Tank Capacity	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Fan Control Type	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Allow Idle Shutdown Override	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Top Engine Limit	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Transmission Style	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
AT/MT/HT Part Throttle Shift Speed	X		X											X	X	X	X
Starting Aid Output Mode	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Transmission Style	X	X	X	X		X		X			X			X	X	X	X
Engine Oil Pressure Sensor					X		X		X	X		X	X				
Coolant Level Sensor		X		X	X	X	X	X	X	X	X	X	X				

Program Parameters	System Type																
	C7 Truck	C7 Truck Post 2007	C9 Truck	C9 Post 2007	C11	C11 Post 2007	C13	C13 Post 2007	C15 Industrial	C15	C15 Post 2007	C18 Industrial	C18	C7 GMT 530/540	C9 GMT 530/540	C7 GMT 560	C9 GMT 560
Engine Monitoring Mode		X		X	X	X	X	X	X	X	X	X	X				
Engine Monitoring Lamps	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Coolant Level Sensor	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Fuel Pressure Sensor Installed	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Customer Password #1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Customer Password #2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Multi-Torque Ratio	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
PTO Shutdown Timer Maximum RPM	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
PTO Low Idle Shutdown Load Percentage Threshold	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Transmission Style	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
PTO Governor Maximum Integral Gain Multiplier	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
PTO Governor Minimum Integral Gain Multiplier	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
PTO Governor Proportional Gain Multiplier	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

Program Parameters	System Type																
	C7 Truck	C7 Truck Post 2007	C9 Truck	C9 Post 2007	C11	C11 Post 2007	C13	C13 Post 2007	C15 Industrial	C15	C15 Post 2007	C18 Industrial	C18	C7 GMT 530/540	C9 GMT 530/540	C7 GMT 560	C9 GMT 560
Cold Mode Idle Shutdown Timer Enable Status	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Engine Idle Shutdown Timer Reset Enable Status		X		X													
Idle Shutdown Timer Neutral Switch Ignore Configuration	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Coolant Level Sensor	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Dash - Change Customer Parameters	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Fan Pulley Ratio	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Number of Cooling Fan Blades Configuration	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Cooling Fan Diameter Configuration	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Fan Control Type		X		X		X		X			X						
Minimum Fan Speed						X		X			X						
Maximum Fan Speed		X		X		X		X			X						
Maximum Fan Speed Ratio Multiplier		X		X		X		X			X						

Caterpillar Electronic Engines

Coverage: 1990 - 2003

The Caterpillar® Electronic Engines application provides reprogramming and diagnostic capability for Caterpillar electronic systems.

Supports

- 3116
- 3126
- 3176
- 3406
- C-9
- C-10
- C-12
- C-15
- C-16

Basic Functions

- Read Active Fault Codes
- Read and Clear Inactive Fault Codes
- View and Reset Trip Data
- View Engine Data
- View, Graph, and Record Engine Data

Disclaimer:

Product specifications and data are subject to change without notice to improve functionality, reliability, design, or otherwise. Availability of tests and configurable parameters is dependent on both the vehicle concerned and the module loaded.

Caterpillar Electronic Engines

Special Tests

Note: In the following tables the **red X** indicates that the test is dependent on the version of the software loaded on the vehicle. As a result, the test may, or may not, be available.

Special Tests	System Type										
	C9	C10	C12	C15	C16	PEEC 3406B, 3406C, and 3406E	SUP 3406E	GMMD	EUI 3176, and 3176B	CEUI	HEUI 3116, 3126, 3126B, 3126B Basic, and 3126B Full
Histogram: MPH vs. Time (%)	X	X	X	X	X	X	X	X	X	X	X
Histogram: RPM vs. Time (%)	X	X	X	X	X	X	X	X	X	X	X
Retarder/Exhaust	X	X	X	X	X	X	X	X	X	X	X
Shutoff Solenoid						X					
Rack BTM Sweep						X					
Timing BTM Sweep						X					
Injector Cutout	X	X	X	X	X	X	X	X	X	X	X
Cooling Fan/Output #4 Driver Test	X	X	X	X	X	X	X	X	X	X	X
55 MPH VSP/Speedometer Test	X	X	X	X	X	X	X	X	X	X	X
Tachometer Circuit Test	X	X	X	X	X	X	X	X	X	X	X
Injector Solenoid Test	X	X	X	X	X	X	X	X	X	X	X
Injection Actuator Pressure Driver Test								X		X	X
Injector Actuation Pressure Test								X		X	X
Inlet Air Heater								X		X	X
MT/AT Transmission								X		X	X
Multi-Function Output #2 Test	X	X	X	X	X	X	X		X		
Multi-Function Output #3 Test	X	X	X	X	X	X	X		X		
ECU Date/Time	X	X	X	X	X	X	X		X		
Multi-Function Output #1 Test	X	X	X	X	X	X	X		X		

Special Tests	System Type										
	C9	C10	C12	C15	C16	PEEC 3406B, 3406C, and 3406E	SUP 3406E	GMMD	EUI 3176, and 3176B	CEUI	HEUI 3116, 3126, 3126B, 3126B Basic, and 3126B Full
Timing Sensor Calibration	X	X	X	X	X	X	X	X	X	X	X
Boost Calibration	X	X	X	X	X	X	X	X	X	X	X
Rack Sensor Calibration						X					
Throttle Sensor Duty Cycle	X	X	X	X	X	X	X	X	X	X	X
Timing Calibration	X	X	X	X	X	X	X	X	X	X	X
PTO Throttle Sensor Duty Cycle	X	X	X	X	X	X	X	X	X	X	X
System Troubleshooting Setting: Fuel Temperature Correction	X	X	X	X	X	X	X	X	X	X	X
System Troubleshooting Setting: Idle Shutdown Timer	X	X	X	X	X	X	X	X	X	X	X
System Troubleshooting Setting: Powertrain Data Link	X	X	X	X	X	X	X	X	X	X	X
System Troubleshooting Setting: Cooling Fan	X	X	X	X	X	X	X	X	X	X	X
Reset Driver Trip Info	X	X	X	X	X	X	X	X	X	X	X
Reset Fleet Trip Info	X	X	X	X	X	X	X	X	X	X	X

Caterpillar Electronic Engines

Calibrations

Note: In the following tables the **red X** indicates that the parameter is dependent on the version of the software loaded on the vehicle.

As a result, the parameter may, or may not, be available.

Program Parameters	System Type										
	C9	C10	C12	C15	C16	PEEC (3406B, 3406C, 3406E)	SUP (3406E)	GMMD	EUI (3176, 3176B)	CEUI	HEUI (3116, 3126, 3126B, 3126B Basic, 3126B Full)
A/C Switch Fan On-Time	X	X	X	X	X	X	X	X	X	X	X
Advertised Power	X	X	X	X	X	X	X	X	X	X	X
Allow Idle Shutdown Override	X	X	X	X	X	X	X	X	X	X	X
AT/HT/MT Part Throttle Shift Speed								X		X	X
Auto Retarder in Cruise	X	X	X	X	X	X	X		X		
Auto Retarder in Cruise Increment	X	X	X	X	X	X	X		X		
Change ECU Rating	X	X	X	X	X	X	X	X	X	X	X
Coolant Level Sensor Enable/Disable	X	X	X	X	X	X	X	X	X	X	X
Cruise/Idle/PTO Switch Configuration	X	X	X	X	X	X	X	X	X	X	X
Customer Password #1	X	X	X	X	X	X	X	X	X	X	X
Customer Password #2	X	X	X	X	X	X	X	X	X	X	X
Dash - Adjust Customer Specified Parameters									X	X	X
Dash - Fleet Trip Reset	X	X	X	X	X	X	X		X		
Dash - Fuel Correction Factor	X	X	X	X	X	X	X		X		
Dash - PM1 Reset	X	X	X	X	X	X	X	X	X	X	X
Dash - State Selection	X	X	X	X	X	X	X		X		
Driver Incentive Enable	X	X	X	X	X	X	X	X	X	X	X
Eaton Top 2 Override with Cruise Switch	X	X	X	X	X	X	X		X		
ECU Personality Module	X	X	X	X	X	X	X	X	X	X	X

Program Parameters	System Type										
	C9	C10	C12	C15	C16	PEEC (3406B, 3406C, 3406E)	SUP (3406E)	GMMD	EUI (3176, 3176B)	CEUI	HEUI (3116, 3126, 3126B, 3126B Basic, 3126B Full)
ECU Release Date	X	X	X	X	X	X	X	X	X	X	X
ECU Serial Number	X	X	X	X	X	X	X	X	X	X	X
Engine Monitoring Mode	X	X	X	X	X	X	X	X	X	X	X
Engine Oil Capacity	X	X	X	X	X	X	X		X		
Engine Oil Pressure Sensor								X		X	X
Engine Retarder Delay	X	X	X	X	X	X	X	X	X	X	X
Engine Retarder Minimum Vehicle Speed	X	X	X	X	X	X	X		X		
Engine Retarder Minimum VSL Type	X	X	X	X	X	X	X		X		
Engine Retarder/Brake Mode	X	X	X	X	X	X	X	X	X	X	X
Engine Serial Number	X	X	X	X	X	X	X	X	X	X	X
Fan Control Type	X	X	X	X	X	X	X	X	X	X	X
Fan with Engine Retarder in High Mode (Fan with Engine Brake On)	X	X	X	X	X	X	X	X	X	X	X
Fast Idle #1 Speed								X		X	X
Fast Idle #2 Speed								X		X	X
Fuel Correction Factor	X	X	X	X	X	X	X		X		
Full Load Setting	X	X	X	X	X	X	X	X	X	X	X
Full Torque Setting	X	X	X	X	X	X	X	X	X	X	X
Gear Down Protection RPM Limit	X	X	X	X	X	X	X	X	X	X	X
Gear Down Protection Turn On Speed	X	X	X	X	X	X	X	X	X	X	X
Governed Speed	X	X	X	X	X	X	X	X	X	X	X
High Cruise Control Speed Set Limit	X	X	X	X	X	X	X	X	X	X	X
High Speed Range Axle Ratio	X	X	X	X	X	X	X		X		
Idle Quality Calibration								X		X	X
Idle RPM Limit	X	X	X	X	X	X	X	X	X	X	X
Idle Shutdown Time (0 = Off)	X	X	X	X	X	X	X	X	X	X	X

Program Parameters	System Type										
	C9	C10	C12	C15	C16	PEEC (3406B, 3406C, 3406E)	SUP (3406E)	GMMD	EUI (3176, 3176B)	CEUI	HEUI (3116, 3126, 3126B, 3126B Basic, 3126B Full)
Idle/PTO Bump RPM	X	X	X	X	X	X	X	X	X	X	X
Idle/PTO RPM Ramp Rate	X	X	X	X	X	X	X	X	X	X	X
Idle/PTO Vehicle Speed Limit	X	X	X	X	X	X	X	X	X	X	X
Intermediate Gears Engine RPM Limit	X	X	X	X	X	X	X	X	X	X	X
Intermediate Gears Turn Off Speed	X	X	X	X	X	X	X	X	X	X	X
Low Cruise Control Speed Set Limit	X	X	X	X	X	X	X	X	X	X	X
Low Idle Engine RPM	X	X	x	X	X	X	X	X	X	X	X
Low Speed Range Axle Ratio	X	X	X	X	X	X	X		X		
Lower Gears Engine RPM Limit	X	X	X	X	X	X	X	X	X	X	X
Lower Gears Turn Off Speed	X	X	X	X	X	X	X	X	X	X	X
Maximum Idle Shutdown Temperature	X	X	X	X	X	X	X	X	X	X	X
Minimum Idle Shutdown Temperature	X	X	X	X	X	X	X	X	X	X	X
Multi-Function Output #3	X	X	X	X	X	X	X	X	X		
Multi-Function Output #4	X	X	X	X	X	X	X	X	X		
Multi-Function Output #2	X	X	X	X	X	X	X	X	X		
Powertrain Data Link		X	X			X		X	X	X	X
Program Preventative Maintenance 1 Indicator	X	X	X	X	X	X	X		X		
PTO Activates Cooling Fan	X	X	X	X	X	X	X	X	X	X	X
PTO Cab Throttle RPM Limit	X	X	X	X	X		X	X		X	X
PTO Configuration	X	X	X	X	X		X	X		X	X
PTO Engine RPM Set Speed	X	X	X	X	X	X	X	X	X	X	X
PTO Engine RPM Set Speed A	X	X	X	X	X	X	X	X	X	X	X
PTO Engine RPM Set Speed B	X	X	X	X	X	X	X	X	X	X	X
PTO Goes to Set Speed	X	X	X	X	X		X	X		X	X
PTO Shutdown Time	X	X	X	X	X	X	X	X	X	X	X
PTO Top Engine Limit	X	X	X	X	X		X	X		X	X

Program Parameters	System Type										
	C9	C10	C12	C15	C16	PEEC (3406B, 3406C, 3406E)	SUP (3406E)	GMMD	EUI (3176, 3176B)	CEUI	HEUI (3116, 3126, 3126B, 3126B Basic, 3126B Full)
PTO Torque Limit	X	X	X	X	X		X	X		X	X
PTO Vehicle Speed Limit	X	X	X	X	X		X	X		X	X
Quick Stop Rate Deceleration Limit	X	X	X	X	X	X	X	X	X	X	X
Rated Peak Torque	X	X	X	X	X	X	X	X	X	X	X
Rated Peak Torque at RPM	X	X	X	X	X	X	X	X	X	X	X
Rating Number	X	X	X	X	X	X	X	X	X	X	X
Rating Type	X	X	X	X	X	X	X	X	X	X	X
Soft Cruise Control Enable/Disable	X	X	X	X	X	X	X	X	X	X	X
Soft Vehicle Speed Limit Enable/Disable	X	X	X	X	X	X	X	X	X	X	X
Tachometer Calibration	X	X	X	X	X	X	X	X	X	X	X
Test Spec	X	X	X	X	X	X	X	X	X	X	X
Test Spec with Brake Saver	X	X	X	X	X	X	X	X	X	X	X
Top Engine Limit	X	X	X	X	X	X	X	X	X	X	X
Top Engine Limit with Droop	X	X	X	X	X	X	X		X		
Top Engine Speed Max	X	X	X	X	X	X	X	X	X	X	X
Top Engine Speed Min	X	X	X	X	X	X	X	X	X	X	X
Top Gear -1 Ratio	X	X	X	X	X	X	X		X		
Top Gear -2 Ratio	X	X	X	X	X	X	X		X		
Top Gear Ratio	X	X	X	X	X	X	X		X		
Transmission Style	X	X	X	X	X	X	X	X	X	X	
Vehicle Speed Calibration	X	X	X	X	X	X	X	X	X	X	X
Vehicle Speed Limit	X	X	X	X	X	X	X	X	X	X	X
VSL Protection	X	X	X	X	X	X	X	X	X	X	X
Maintenance Interval - Distance	X	X	X	X	X	X	X		X		
Maintenance Interval - Time	X	X	X	X	X	X	X		X		

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Navistar® MaxxForce®

Coverage: 2007 - 2015

The Navistar® MaxxForce® software application v.3.0 provides reprogramming and diagnostic capability for NAVISTAR MaxxForce electronic engines.

Supports

- All EPA '07 and EPA '10 medium and heavy duty MaxxForce electronic engines
- MaxxForce Big Bore engines

Basic Functions

- Read Active Fault Codes
- Read and Clear Inactive Fault Codes
- View Engine Data
- View, Graph, and Record Engine Data

Disclaimer:

Product specifications and data are subject to change without notice to improve functionality, reliability, design, or otherwise. Availability of tests and configurable parameters is dependent on both the vehicle concerned and the module loaded.

NAVISTAR MaxxForce

Special Tests: MaxxForce Engines

Note: In the following tables the **red X** indicates that the test is dependent on the version of the software loaded on the vehicle. As a result, the test may, or may not, be available.

Special Tests	System Type										
	MaxxForce N13 SCR 2013-2015	MaxxForce 13 2013	MaxxForce DT/9/10 2007-2009	MaxxForce DT/9/10 2010-2012	MaxxForce DT/9/10 2013 -	MaxxForce N9/N10 SCR 2014 -	MaxxForce 11/13 2008-2009	MaxxForce 11/13/15 2010-2012	MaxxForce 7 2007-2009	MaxxForce 7 2010-2013	MaxxForce 5 2007-2009
Output State Intake Air Heater			X	X	X	X			X	X	X
Relative Compression Test			X	X	X	X			X	X	X
Continuous Monitor Test	X	X	X	X	X	X	X	X	X	X	X
KOER Standard Test	X	X	X	X	X	X	X	X	X	X	X
Cylinder Cutout Test			X	X	X	X			X	X	X
Air Management Test			X	X	X	X			X	X	X
VGT Output State Low					X	X			X		
VGT Output State Medium			X	X						X	X
VGT Output State High	X	X	X	X	X	X		X	X	X	X
KOER Injector Test			X	X	X	X			X		
Actuator - AFT Fuel Shutoff Valve			X	X	X	X			X		
Actuator - DEF Return Valve			X	X	X	X			X		
DEF Line Heater Test	X	X	X	X	X	X		X	X	X	X
DEF System Leak			X	X	X	X			X		X
DPF Regeneration	X	X						X			

Special Tests: Cummins and CAT Engines Rebranded for Navistar Distribution

Note: In the following tables the red X indicates that the test is dependent on the version of the software loaded on the vehicle. As a result, the test may, or may not, be available.

Special Tests	System Type				
	Cummins 6.7L "ECM = CM2350"	Cummins 15.0L "ECM = CM2350, CM2250"	CAT CT 11/13 (2010 - 2012)	CAT CT 15	CAT CT 13 (2013)
KOEO Standard Test	X	X			
Actuator Test	X	X			
KOEO Injector Test	X	X			
Output State High	X	X			
Output State Low	X	X			
Output State Glow Plug	X	X			
KOER Standard Test			X	X	X

NAVISTAR MaxxForce

Calibrations: MaxxForce Engines

Note: In the following tables the **red X** indicates that the parameter is dependent on the version of the software loaded on the vehicle.

As a result, the parameter may, or may not, be available.

Program Parameters	System Type										
	MaxxForce N13 SCR 2013-2017	MaxxForce 13 2013 -	MaxxForce DT/9/10 2007-2009	MaxxForce DT/9/10 2010-2012	MaxxForce DT/9/10 2013 -	MaxxForce N9/N10 SCR 2014 -	MaxxForce 11/13 2008-2009	MaxxForce 11/13/15 2010-2012	MaxxForce 7 2007-2009	MaxxForce 7 2010-2013	MaxxForce 5 2007-2009
Idle Shutdown Timer (Engine Stop)							X				
Maximum Vehicle Speed	X	X						X			
Two Speed Axle Switch - Enable/Disable							X				
Rear Axle Ratio 2	X	X						X			
Transmission Tailshaft Gear Teeth							X				
Tire Revolution per meter	X	X						X			
Rear Axle Ratio 1							X				
PRV valve open duration	X	X						X			
Rear Axle Ratio 1 - Low Gear							X				
Rear Axle Ratio 2 - High Gear	X	X						X			
Transmission Tailshaft Gear Teeth							X				
Total AFT Regen requested by distance based since last regen	X	X						X			
Trip AFT Regen requested by distance based since last regen							X				
Maximum Vehicle Speed	X	X						X			
Rear Axle Ratio 1 - Low Gear							X				

Program Parameters	System Type										
	MaxxForce N13 SCR 2013-2017	MaxxForce 13 2013 -	MaxxForce DT/9/10 2007-2009	MaxxForce DT/9/10 2010-2012	MaxxForce DT/9/10 2013 -	MaxxForce N9/N10 SCR 2014 -	MaxxForce 11/13 2008-2009	MaxxForce 11/13/15 2010-2012	MaxxForce 7 2007-2009	MaxxForce 7 2010-2013	MaxxForce 5 2007-2009
Rear Axle Ratio 2 - Low Gear	X	X						X			
Rear Axle Ratio 2 - High Gear							X				
Operating time of the engine	X	X						X			
Total Engine revolutions							X				
Air conditioning Actuator	X	X						X			
Boost Pressure Actuator							X				
Low-idle governor setpoint	X	X						X			
EEPROM adjustment value for starting torque							X				
Air control set point adjustment value							X				
EEPROM adjustment factor to correct limitation torque							X				
Adjustment value for calculation of A/C torque demand							X				
Vehicle information							X				
ZFC adjustment values	X	X						X			
Number of times of PRV opened	X	X						X			
Idle Shutdown Timer (Engine Stop)	X	X						X			
Cold Ambient Protection Switch	X	X						X			
Duration of PRV opened	X	X						X			
Total distance counter	X	X						X			
Maximum overspeed fault recorded	X	X						X			
Engine Hours at Coolant Level Fault 1	X	X						X			

Program Parameters	System Type										
	MaxxForce N13 SCR 2013-2017	MaxxForce 13 2013 -	MaxxForce DT/9/10 2007-2009	MaxxForce DT/9/10 2010-2012	MaxxForce DT/9/10 2013 -	MaxxForce N9/N10 SCR 2014 -	MaxxForce 11/13 2008-2009	MaxxForce 11/13/15 2010-2012	MaxxForce 7 2007-2009	MaxxForce 7 2010-2013	MaxxForce 5 2007-2009
Fuel Economy factor	X	X						X			
Number of times PRV opened	X	X						X			
ECM operating time	X	X						X			
PTO Switch - Enable/Disable	X	X						X			
Tire Revolutions Per Meter	X	X						X			
Idle Shutdown Switch	X	X						X			
Shop Code	X	X						X			
Maximum ambient temperature threshold	X	X						X			
Minimum ambient temperature threshold	X	X						X			
PRV valve number of times open	X	X						X			
Torque Limiting factor for Gear group 1	X	X						X			
Torque Limiting factor for Gear group 2	X	X						X			
Torque Limiting factor for Gear group 3							X				
Torque Limiting factor for Gear group 4				X	X	X					
Torque Limiting factor for Gear group 5		X						X			
Torque Limiting factor for Gear group 6				X	X	X					
Programming Date		X						X			
Mode 2: Time factor for coking accumulation				X	X	X					
Mode 3: Time factor for coking accumulation		X						X			

Program Parameters	System Type										
	MaxxForce N13 SCR 2013-2017	MaxxForce 13 2013 -	MaxxForce DT/9/10 2007-2009	MaxxForce DT/9/10 2010-2012	MaxxForce DT/9/10 2013 -	MaxxForce N9/N10 SCR 2014 -	MaxxForce 11/13 2008-2009	MaxxForce 11/13/15 2010-2012	MaxxForce 7 2007-2009	MaxxForce 7 2010-2013	MaxxForce 5 2007-2009
Total percentage coking accumulation- limited				X	X	X					
AFT_Filter_DeGreening_Enable		X						X			
AFT_Filter_DeGreening_Extensi on2_Enable		X						X			
AFT_Filter_DeGreening_Extensi on2_User_Selectable		X						X			
AFT Filter DeGreening User Selectable	X	X						X			
AFT Filter Installation Enable							X				
AFT Filter Installation User Selectable	X	X						X			
Aftertreatment Dosing Enable							X				
Aftertreatment Dosing User Selectable	X	X						X			
Aftertreatment Fuel Pressure Sensor Enable							X				
Aftertreatment Fuel Pressure Sensor User Selectable	X	X						X			
Aftertreatment History Enable							X				
Aftertreatment History Extension Enable	X	X						X			
Aftertreatment History Extension User Selectable							X				
Aftertreatment History User Selectable	X	X						X			
AFT DPF Exhaust Volumetric Flowrate Enable							X				
AFT DPF Exhaust Volumetric Flowrate User_electable							X				

Program Parameters	System Type										
	MaxxForce N13 SCR 2013-2017	MaxxForce 13 2013 -	MaxxForce DT/9/10 2007-2009	MaxxForce DT/9/10 2010-2012	MaxxForce DT/9/10 2013 -	MaxxForce N9/N10 SCR 2014 -	MaxxForce 11/13 2008-2009	MaxxForce 11/13/15 2010-2012	MaxxForce 7 2007-2009	MaxxForce 7 2010-2013	MaxxForce 5 2007-2009
AFT DPF Operating State Enable							X				
AFT DPF Operating State User Selectable							X				
AFT DPF Outlet Pressure Sensor Enable							X				
AFT DPF Outlet Pressure Sensor User Selectable							X				
AFT DPF Regen Stage Enable							X				
AFT DPF Regen Stage User Selectable							X				
AFT DPF Target Regen Temperature Enable							X				
AFT DPF Target Regen Temperature User Selectable							X				
AFT Intake NOx Sensor Monitor Enable							X				
AFT Intake NOx Sensor Monitor User Selectable							X				
AFT_Intake_O2							X				
AFT_Intake_O2_Reading_Stable							X				
AFT Operating Mode Enable							X				
AFT Operating Mode User Selectable							X				
AFT Maintenance Enable							X				
AFT Maintenance Extension Enable							X				
AFT Maintenance Extension User Selectable							X				

Program Parameters	System Type										
	MaxxForce N13 SCR 2013-2017	MaxxForce 13 2013 -	MaxxForce DT/9/10 2007-2009	MaxxForce DT/9/10 2010-2012	MaxxForce DT/9/10 2013 -	MaxxForce N9/N10 SCR 2014 -	MaxxForce 11/13 2008-2009	MaxxForce 11/13/15 2010-2012	MaxxForce 7 2007-2009	MaxxForce 7 2010-2013	MaxxForce 5 2007-2009
AFT Maintenance User Selectable							X				
AFT Outlet NOx Sensor Monitor Enable							X				
AFT Outlet NOx Sensor Monitor User Selectable							X				
AFT Part Filter Regen Enable							X				
AFT Part Filter Regen Extension Enable							X				
AFT Part Filter Regen Extension User Selectable							X				
AFT Part Filter Regen User Selectable							X				
AFT Particulate Matter Sensor Enable							X				
AFT Particulate Matter Sensor User Selectable							X				
AFT Regen Trigger State Enable							X				
AFT Regen Trigger State User Selectable							X				
AFT SCR Efficiency Enable							X				
AFT SCR Efficiency User Selectable							X				
AFT SCR EOL Status Monitor Enable							X				
AFT SCR EOL Status Monitor User Selectable							X				
AFT SCR EOL Test Active							X				
AFT SCR EOL Test Completion							X				

Program Parameters	System Type										
	MaxxForce N13 SCR 2013-2017	MaxxForce 13 2013 -	MaxxForce DT/9/10 2007-2009	MaxxForce DT/9/10 2010-2012	MaxxForce DT/9/10 2013 -	MaxxForce N9/N10 SCR 2014 -	MaxxForce 11/13 2008-2009	MaxxForce 11/13/15 2010-2012	MaxxForce 7 2007-2009	MaxxForce 7 2010-2013	MaxxForce 5 2007-2009
AFT SCR Performance Test Enable							X				
AFT SCR Performance Test Extension Enable							X				
AFT SCR Performance Test Extension User Selectable							X				
AFT SCR Performance Test User Selectable							X				
AFT Max Soot Level Per Regen History Enable							X				
AFT Max Soot Level Per Regen History User Selectable							X				
AFT Soot Fill Monitor Enable							X				
AFT Soot Fill Monitor User Selectable							X				
AFT Soot Load Estimate Enable							X				
AFT Soot Load Estimate User Selectable							X				
AFT TestRunInfo Errors Enable							X				
AFT TestRunInfo Errors User Selectable							X				
TI AFT Enable							X				
TI AFT Extension Enable							X				
TI AFT Extension User Selectable							X				
Total Number of Regenerations							X				
Total Aftertreatment Fuel Used							X				
Trip Number of Regenerations							X				
Trip Aftertreatment Fuel Used							X				

Program Parameters	System Type										
	MaxxForce N13 SCR 2013-2017	MaxxForce 13 2013 -	MaxxForce DT/9/10 2007-2009	MaxxForce DT/9/10 2010-2012	MaxxForce DT/9/10 2013 -	MaxxForce N9/N10 SCR 2014 -	MaxxForce 11/13 2008-2009	MaxxForce 11/13/15 2010-2012	MaxxForce 7 2007-2009	MaxxForce 7 2010-2013	MaxxForce 5 2007-2009
TI AFT User Selectable							X				
AFT DEF Dosing Prohibited Enable							X				
AFT DEF Dosing Prohibited User Selectable							X				
AFT DEF Dosing Rate Enable							X				
AFT DEF Dosing Rate User Selectable							X				
AFT Diesel Exhaust Fluid Quality Sensor Ver2 Enable							X				
AFT Diesel Exhaust Fluid Quality Sensor Ver2 Extension Enable							X				
AFT Diesel Exhaust Fluid Quality Sensor Ver2 Extension User Selectable							X				
AFT Diesel Exhaust Fluid Quality Sensor Ver2 User Selectable							X				
DPF Ash Load							X				
DPF Soot Load (Read Only - See ID 11290 for Soot programming)							X				
Total AFT Number of Critical soot level DPF warns							X				
Total AFT Number of Flashing DPF Lamps							X				
Total AFT Number of Solid DPF Lamps							X				
Total AFT Peak Detection of DPF Soot Load Quantity							X				
Total Engine Coolant Level Low Time							X				

Program Parameters	System Type										
	MaxxForce N13 SCR 2013-2017	MaxxForce 13 2013 -	MaxxForce DT/9/10 2007-2009	MaxxForce DT/9/10 2010-2012	MaxxForce DT/9/10 2013 -	MaxxForce N9/N10 SCR 2014 -	MaxxForce 11/13 2008-2009	MaxxForce 11/13/15 2010-2012	MaxxForce 7 2007-2009	MaxxForce 7 2010-2013	MaxxForce 5 2007-2009
Total Engine Coolant Temperature Critical Time							X				
Total Engine Coolant Temperature Warning Time							X				
Total Engine Hours until last service							X				
Total Engine Oil Level Critical Time							X				
Total Engine Oil Level Warning Time							X				
Total Engine Oil Pressure Critical Time							X				
Total Engine Oil Pressure Warning Time							X				
Total Engine Oil Temp Critical Time							X				
Total Engine Oil Temp Warning Time							X				
Pressure Build-Up [Speed1]							X				
Pressure Build-Up [Speed2]							X				
Pressure Build-Up [Speed3]							X				
Pressure Build-Up [Speed4]							X				
Pressure Drop [Speed1]							X				
Pressure Drop [Speed2]							X				
Pressure Drop [Speed3]							X				
Pressure Drop [Speed4]							X				
Total Distance with Fan On							X				
Total Fan Load Operation Time							X				
Total Fan On Time							X				

Program Parameters	System Type										
	MaxxForce N13 SCR 2013-2017	MaxxForce 13 2013 -	MaxxForce DT/9/10 2007-2009	MaxxForce DT/9/10 2010-2012	MaxxForce DT/9/10 2013 -	MaxxForce N9/N10 SCR 2014 -	MaxxForce 11/13 2008-2009	MaxxForce 11/13/15 2010-2012	MaxxForce 7 2007-2009	MaxxForce 7 2010-2013	MaxxForce 5 2007-2009
Total Fan On Time due to fault							X				
Total Fan On Time in AESC							X				
Total Fan Time at Maximum Fan Speed							X				
Total Fan Time Due to Air Conditioning Pressure Switch							X				
Total Fan Time Due to Engine Conditions							X				
Total Fan Time Due to Fan Control Switch							X				
Total Fan Time in On/Off Zone							X				
Total Fan Time in Slip Zone							X				
Total Fan Time With Vehicle Speed							X				
Total Fan Time Without Vehicle Speed							X				
Total Distance in OFR Mode							X				
Total Drive Time in OFR Mode							X				
Total Fuel Used in OFR Mode							X				
Trip Distance in OFR Mode							X				
Trip Fuel Used in OFR Mode							X				
Trip CAP Operation Time							X				
Trip Distance with Fan On							X				
Trip Fan On Time due to fault							X				
Trip Fan on Time in AESC							X				
Trip Fan Time at Maximum Fan Speed							X				
Trip Fan Time in On/Off Zone							X				

Program Parameters	System Type										
	MaxxForce N13 SCR 2013-2017	MaxxForce 13 2013 -	MaxxForce DT/9/10 2007-2009	MaxxForce DT/9/10 2010-2012	MaxxForce DT/9/10 2013 -	MaxxForce N9/N10 SCR 2014 -	MaxxForce 11/13 2008-2009	MaxxForce 11/13/15 2010-2012	MaxxForce 7 2007-2009	MaxxForce 7 2010-2013	MaxxForce 5 2007-2009
Trip Fan Time in Slip Zone							X				
Trip Firm Brake Instances							X				
Trip Fuel Used during Cold Start							X				
Trip Glowplug ON Time							X				
Trip Number of CAP Actuations							X				
Trip Number of Cold Start Actuations							X				
Trip Number of Complete Glow Plug Activations							X				
Trip Number of Glow plug activations without proper Glowplug tip temperature							X				
Trip Number of Incomplete Glow Plug Activations							X				
AFT Trip Information Reset Enable							X				
AFT Trip Information Reset User Selectable							X				
Trip AFT Active Regen Inhibit Request Time							X				
Trip AFT Active Regeneration Time							X				
Trip AFT Disabled Time							X				
Trip AFT Number of Active Regen Manual requests							X				
Trip AFT Number of Active Regens							X				
Trip AFT Number of Critical soot level DPF warns							X				

Program Parameters	System Type										
	MaxxForce N13 SCR 2013-2017	MaxxForce 13 2013 -	MaxxForce DT/9/10 2007-2009	MaxxForce DT/9/10 2010-2012	MaxxForce DT/9/10 2013 -	MaxxForce N9/N10 SCR 2014 -	MaxxForce 11/13 2008-2009	MaxxForce 11/13/15 2010-2012	MaxxForce 7 2007-2009	MaxxForce 7 2010-2013	MaxxForce 5 2007-2009
Trip AFT Number of Flashing DPF Lamps							X				
Trip AFT Number of Passive Regenerations							X				
Trip AFT Number of Solid DPF Lamps							X				
Trip AFT Passive Regeneration Time							X				
Trip AFT Peak Detection of DPF Soot Load Quantity							X				
Trip AFT Regen Fuel Used							X				
Trip AFT Regen inhibited due to minimum time between regen							X				
Tire Revs Per Meter							X				
Trip AFT Run Time At Average Soot							X				
Trip AFT Run Time At Max Soot							X				
Trip AFT time Regen inhibited due to minimum time between regen							X				
Trip Average Fuel Economy							X				
Trip Battery Voltage Accumulator 1							X				
Trip Battery Voltage Accumulator 2							X				
Trip distance based fuel consumption							X				
Trip Engine Coolant Level Low Time							X				

Program Parameters	System Type										
	MaxxForce N13 SCR 2013-2017	MaxxForce 13 2013 -	MaxxForce DT/9/10 2007-2009	MaxxForce DT/9/10 2010-2012	MaxxForce DT/9/10 2013 -	MaxxForce N9/N10 SCR 2014 -	MaxxForce 11/13 2008-2009	MaxxForce 11/13/15 2010-2012	MaxxForce 7 2007-2009	MaxxForce 7 2010-2013	MaxxForce 5 2007-2009
Trip Engine Coolant Temperature Critical Time							X				
Trip Engine Coolant Temperature Warning Time							X				
Trip Engine Oil Level Critical Time							X				
Trip Engine Oil Level Warning Time							X				
Trip Engine Oil Pressure Critical Time							X				
Trip Engine Oil Pressure Warning Time							X				
Trip Engine Oil Temp Critical Time							X				
Trip Engine Oil Temp Warning Time							X				
Trip Engine Run Time							X				
Trip Fuel Used							X				
Mass air flow adaptation conditions exit counters							X				
Trip Vehicle Distance							X				
EDC Serial Number							X				
EDC Software (Strategy) Version							X				
EDC S/W Calibration Version							X				
EDC Hardware Version							X				
Manufacturing Date							X				
Immobility Number							X				
Last Service Tool ID - Calibration							X				

Program Parameters	System Type										
	MaxxForce N13 SCR 2013-2017	MaxxForce 13 2013 -	MaxxForce DT/9/10 2007-2009	MaxxForce DT/9/10 2010-2012	MaxxForce DT/9/10 2013 -	MaxxForce N9/N10 SCR 2014 -	MaxxForce 11/13 2008-2009	MaxxForce 11/13/15 2010-2012	MaxxForce 7 2007-2009	MaxxForce 7 2010-2013	MaxxForce 5 2007-2009
Last Service Tool Date Programmed - Calibration (Year, Month, Day of Month, Hour)							X				
Last Service Tool ID - Strategy							X				
Last Service Tool Date Programmed - Strategy (Year, Month, Day of Month, Hour)							X				
Last Service Tool ID Programmable Parameters							X				
Last Service Tool ID Protective Area							X				
Last Service Tool Date Programmed Protective Area (Year, Month, Day of Month, Hour)							X				
Vehicle Identification Number (VIN)							X				
Engine Serial Number							X				
Total Tattletales							X				
Customer Password							X				
EDC Engine Family Rating Code							X				
Plausibility Check Number							X				
Dataset Part Number							X				
Vehicle Manufacturer EOL Info Code							X				
MANCATS Identification							X				
ECU Part Number							X				
ECU Hardware Number							X				
System Hardware Number							X				

Program Parameters	System Type										
	MaxxForce N13 SCR 2013-2017	MaxxForce 13 2013 -	MaxxForce DT/9/10 2007-2009	MaxxForce DT/9/10 2010-2012	MaxxForce DT/9/10 2013 -	MaxxForce N9/N10 SCR 2014 -	MaxxForce 11/13 2008-2009	MaxxForce 11/13/15 2010-2012	MaxxForce 7 2007-2009	MaxxForce 7 2010-2013	MaxxForce 5 2007-2009
Exhaust Regulation Type							X				
Approval Number							X				
System name or Engine Type							X				
Vehicle Manufacturer							X				
programming state							X				
Programming Date							X				
Motor Part Number							X				
Application Information							X				
Manufacturing ECU Hardware							X				
Number							X				
Manufacturing ECU Software							X				
Number							X				
Fuel Pressure Limiting Valve							X				
History Data Reset							X				
Fuel Pressure Limiting Valve							X				
Open Count							X				
Fuel Pressure Limiting Valve							X				
Open Total Duration							X				
Fuel Pressure Limiting Valve							X				
Open Event 1 Engine Speed							X				
Fuel Pressure Limiting Valve							X				
Open Event 2 Engine Speed							X				
Fuel Pressure Limiting Valve							X				
Open Event 3 Engine Speed							X				
Fuel Pressure Limiting Valve							X				
Open Event 4 Engine Speed							X				
Fuel Pressure Limiting Valve							X				
Open Event 5 Engine Speed							X				
Fuel Pressure Limiting Valve							X				
Open Event 6 Engine Speed							X				

Program Parameters	System Type										
	MaxxForce N13 SCR 2013-2017	MaxxForce 13 2013 -	MaxxForce DT/9/10 2007-2009	MaxxForce DT/9/10 2010-2012	MaxxForce DT/9/10 2013 -	MaxxForce N9/N10 SCR 2014 -	MaxxForce 11/13 2008-2009	MaxxForce 11/13/15 2010-2012	MaxxForce 7 2007-2009	MaxxForce 7 2010-2013	MaxxForce 5 2007-2009
Fuel Pressure Limiting Valve Open Event 7 Engine Speed							X				
Fuel Pressure Limiting Valve Open Event 8 Engine Speed							X				
Fuel Pressure Limiting Valve Open Event 9 Engine Speed							X				
Fuel Pressure Limiting Valve Open Event 10 Engine Speed							X				
Fuel Pressure Limiting Valve Open Event 11 Engine Speed							X				
Fuel Pressure Limiting Valve Open Event 12 Engine Speed							X				
Fuel Pressure Limiting Valve Open Event 13 Engine Speed							X				
Fuel Pressure Limiting Valve Open Event 14 Engine Speed							X				
Fuel Pressure Limiting Valve Open Event 15 Engine Speed							X				
Fuel Pressure Limiting Valve Open Event 16 Engine Speed							X				
Fuel Pressure Limiting Valve Open Event 17 Engine Speed							X				
Fuel Pressure Limiting Valve Open Event 18 Engine Speed							X				
Fuel Pressure Limiting Valve Open Event 19 Engine Speed							X				
Fuel Pressure Limiting Valve Open Event 20 Engine Speed							X				
Fuel Pressure Limiting Valve Open Event 21 Engine Speed							X				

Program Parameters	System Type										
	MaxxForce N13 SCR 2013-2017	MaxxForce 13 2013 -	MaxxForce DT/9/10 2007-2009	MaxxForce DT/9/10 2010-2012	MaxxForce DT/9/10 2013 -	MaxxForce N9/N10 SCR 2014 -	MaxxForce 11/13 2008-2009	MaxxForce 11/13/15 2010-2012	MaxxForce 7 2007-2009	MaxxForce 7 2010-2013	MaxxForce 5 2007-2009
Fuel Pressure Limiting Valve Open Event 22 Engine Speed							X				
Fuel Pressure Limiting Valve Open Event 23 Engine Speed							X				
Fuel Pressure Limiting Valve Open Event 24 Engine Speed							X				
Fuel Pressure Limiting Valve Open Event 25 Engine Speed							X				
Fuel Pressure Limiting Valve Open Event 26 Engine Speed							X				
Fuel Pressure Limiting Valve Open Event 27 Engine Speed							X				
Fuel Pressure Limiting Valve Open Event 28 Engine Speed							X				
Fuel Pressure Limiting Valve Open Event 29 Engine Speed							X				
Fuel Pressure Limiting Valve Open Event 30 Engine Speed							X				
Fuel Pressure Limiting Valve Open Event 31 Engine Speed							X				
Fuel Pressure Limiting Valve Open Event 32 Engine Speed							X				
Fuel Pressure Limiting Valve Open Event 33 Engine Speed							X				
Fuel Pressure Limiting Valve Open Event 34 Engine Speed							X				
Fuel Pressure Limiting Valve Open Event 35 Engine Speed							X				
Fuel Pressure Limiting Valve Open Event 36 Engine Speed							X				

Program Parameters	System Type										
	MaxxForce N13 SCR 2013-2017	MaxxForce 13 2013 -	MaxxForce DT/9/10 2007-2009	MaxxForce DT/9/10 2010-2012	MaxxForce DT/9/10 2013 -	MaxxForce N9/N10 SCR 2014 -	MaxxForce 11/13 2008-2009	MaxxForce 11/13/15 2010-2012	MaxxForce 7 2007-2009	MaxxForce 7 2010-2013	MaxxForce 5 2007-2009
Fuel Pressure Limiting Valve Open Event 37 Engine Speed							X				
Fuel Pressure Limiting Valve Open Event 38 Engine Speed							X				
Fuel Pressure Limiting Valve Open Event 39 Engine Speed							X				
Fuel Pressure Limiting Valve Open Event 40 Engine Speed							X				
Fuel Pressure Limiting Valve Open Event 41 Engine Speed							X				
Fuel Pressure Limiting Valve Open Event 42 Engine Speed							X				
Fuel Pressure Limiting Valve Open Event 43 Engine Speed							X				
Fuel Pressure Limiting Valve Open Event 44 Engine Speed							X				
Fuel Pressure Limiting Valve Open Event 45 Engine Speed							X				
Fuel Pressure Limiting Valve Open Event 46 Engine Speed							X				
Fuel Pressure Limiting Valve Open Event 47 Engine Speed							X				
Fuel Pressure Limiting Valve Open Event 48 Engine Speed							X				
Fuel Pressure Limiting Valve Open Event 49 Engine Speed							X				
Fuel Pressure Limiting Valve Open Event 50 Engine Speed							X				
Fuel Pressure Limiting Valve Open Event 1 Peak Pressure							X				

Program Parameters	System Type										
	MaxxForce N13 SCR 2013-2017	MaxxForce 13 2013 -	MaxxForce DT/9/10 2007-2009	MaxxForce DT/9/10 2010-2012	MaxxForce DT/9/10 2013 -	MaxxForce N9/N10 SCR 2014 -	MaxxForce 11/13 2008-2009	MaxxForce 11/13/15 2010-2012	MaxxForce 7 2007-2009	MaxxForce 7 2010-2013	MaxxForce 5 2007-2009
Fuel Pressure Limiting Valve Open Event 2 Peak Pressure							X				
Fuel Pressure Limiting Valve Open Event 3 Peak Pressure							X				
Fuel Pressure Limiting Valve Open Event 4 Peak Pressure							X				
Fuel Pressure Limiting Valve Open Event 5 Peak Pressure							X				
Fuel Pressure Limiting Valve Open Event 6 Peak Pressure							X				
Fuel Pressure Limiting Valve Open Event 7 Peak Pressure							X				
Fuel Pressure Limiting Valve Open Event 8 Peak Pressure							X				
Fuel Pressure Limiting Valve Open Event 9 Peak Pressure							X				
Fuel Pressure Limiting Valve Open Event 10 Peak Pressure							X				
Fuel Pressure Limiting Valve Open Event 11 Peak Pressure							X				
Fuel Pressure Limiting Valve Open Event 12 Peak Pressure							X				
Fuel Pressure Limiting Valve Open Event 13 Peak Pressure							X				
Fuel Pressure Limiting Valve Open Event 14 Peak Pressure							X				
Fuel Pressure Limiting Valve Open Event 15 Peak Pressure							X				
Fuel Pressure Limiting Valve Open Event 16 Peak Pressure							X				

Program Parameters	System Type										
	MaxxForce N13 SCR 2013-2017	MaxxForce 13 2013 -	MaxxForce DT/9/10 2007-2009	MaxxForce DT/9/10 2010-2012	MaxxForce DT/9/10 2013 -	MaxxForce N9/N10 SCR 2014 -	MaxxForce 11/13 2008-2009	MaxxForce 11/13/15 2010-2012	MaxxForce 7 2007-2009	MaxxForce 7 2010-2013	MaxxForce 5 2007-2009
Fuel Pressure Limiting Valve Open Event 17 Peak Pressure							X				
Fuel Pressure Limiting Valve Open Event 18 Peak Pressure							X				
Fuel Pressure Limiting Valve Open Event 19 Peak Pressure							X				
Fuel Pressure Limiting Valve Open Event 20 Peak Pressure							X				
Fuel Pressure Limiting Valve Open Event 21 Peak Pressure							X				
Fuel Pressure Limiting Valve Open Event 22 Peak Pressure							X				
Fuel Pressure Limiting Valve Open Event 23 Peak Pressure							X				
Fuel Pressure Limiting Valve Open Event 24 Peak Pressure							X				
Fuel Pressure Limiting Valve Open Event 25 Peak Pressure							X				
Fuel Pressure Limiting Valve Open Event 26 Peak Pressure							X				
Fuel Pressure Limiting Valve Open Event 27 Peak Pressure							X				
Fuel Pressure Limiting Valve Open Event 28 Peak Pressure							X				
Fuel Pressure Limiting Valve Open Event 29 Peak Pressure							X				
Fuel Pressure Limiting Valve Open Event 30 Peak Pressure							X				
Fuel Pressure Limiting Valve Open Event 31 Peak Pressure							X				

Program Parameters	System Type										
	MaxxForce N13 SCR 2013-2017	MaxxForce 13 2013 -	MaxxForce DT/9/10 2007-2009	MaxxForce DT/9/10 2010-2012	MaxxForce DT/9/10 2013 -	MaxxForce N9/N10 SCR 2014 -	MaxxForce 11/13 2008-2009	MaxxForce 11/13/15 2010-2012	MaxxForce 7 2007-2009	MaxxForce 7 2010-2013	MaxxForce 5 2007-2009
Fuel Pressure Limiting Valve Open Event 32 Peak Pressure							X				
Fuel Pressure Limiting Valve Open Event 33 Peak Pressure							X				
Fuel Pressure Limiting Valve Open Event 34 Peak Pressure							X				
Fuel Pressure Limiting Valve Open Event 35 Peak Pressure							X				
Fuel Pressure Limiting Valve Open Event 36 Peak Pressure							X				
Fuel Pressure Limiting Valve Open Event 37 Peak Pressure							X				
Fuel Pressure Limiting Valve Open Event 38 Peak Pressure							X				
Fuel Pressure Limiting Valve Open Event 39 Peak Pressure							X				
Fuel Pressure Limiting Valve Open Event 40 Peak Pressure							X				
Fuel Pressure Limiting Valve Open Event 41 Peak Pressure							X				
Fuel Pressure Limiting Valve Open Event 42 Peak Pressure							X				
Fuel Pressure Limiting Valve Open Event 43 Peak Pressure							X				
Fuel Pressure Limiting Valve Open Event 44 Peak Pressure							X				
Fuel Pressure Limiting Valve Open Event 45 Peak Pressure							X				
Fuel Pressure Limiting Valve Open Event 46 Peak Pressure							X				

Program Parameters	System Type										
	MaxxForce N13 SCR 2013-2017	MaxxForce 13 2013 -	MaxxForce DT/9/10 2007-2009	MaxxForce DT/9/10 2010-2012	MaxxForce DT/9/10 2013 -	MaxxForce N9/N10 SCR 2014 -	MaxxForce 11/13 2008-2009	MaxxForce 11/13/15 2010-2012	MaxxForce 7 2007-2009	MaxxForce 7 2010-2013	MaxxForce 5 2007-2009
Fuel Pressure Limiting Valve Open Event 47 Peak Pressure							X				
Fuel Pressure Limiting Valve Open Event 48 Peak Pressure							X				
Fuel Pressure Limiting Valve Open Event 49 Peak Pressure							X				
Fuel Pressure Limiting Valve Open Event 50 Peak Pressure							X				
Fuel Pressure Limiting Valve Open Event 1 Vehicle Distance							X				
Fuel Pressure Limiting Valve Open Event 2 Vehicle Distance							X				
Fuel Pressure Limiting Valve Open Event 3 Vehicle Distance							X				
Fuel Pressure Limiting Valve Open Event 4 Vehicle Distance							X				
Fuel Pressure Limiting Valve Open Event 5 Vehicle Distance							X				
Fuel Pressure Limiting Valve Open Event 6 Vehicle Distance							X				
Fuel Pressure Limiting Valve Open Event 7 Vehicle Distance							X				
Fuel Pressure Limiting Valve Open Event 8 Vehicle Distance							X				
Fuel Pressure Limiting Valve Open Event 9 Vehicle Distance							X				
Fuel Pressure Limiting Valve Open Event 10 Vehicle Distance							X				
Fuel Pressure Limiting Valve Open Event 11 Vehicle Distance							X				

Program Parameters	System Type										
	MaxxForce N13 SCR 2013-2017	MaxxForce 13 2013 -	MaxxForce DT/9/10 2007-2009	MaxxForce DT/9/10 2010-2012	MaxxForce DT/9/10 2013 -	MaxxForce N9/N10 SCR 2014 -	MaxxForce 11/13 2008-2009	MaxxForce 11/13/15 2010-2012	MaxxForce 7 2007-2009	MaxxForce 7 2010-2013	MaxxForce 5 2007-2009
Fuel Pressure Limiting Valve Open Event 12 Vehicle Distance							X				
Fuel Pressure Limiting Valve Open Event 13 Vehicle Distance							X				
Fuel Pressure Limiting Valve Open Event 14 Vehicle Distance							X				
Fuel Pressure Limiting Valve Open Event 15 Vehicle Distance							X				
Fuel Pressure Limiting Valve Open Event 16 Vehicle Distance							X				
Fuel Pressure Limiting Valve Open Event 17 Vehicle Distance							X				
Fuel Pressure Limiting Valve Open Event 18 Vehicle Distance							X				
Fuel Pressure Limiting Valve Open Event 19 Vehicle Distance							X				
Fuel Pressure Limiting Valve Open Event 20 Vehicle Distance							X				
Fuel Pressure Limiting Valve Open Event 21 Vehicle Distance							X				
Fuel Pressure Limiting Valve Open Event 22 Vehicle Distance							X				
Fuel Pressure Limiting Valve Open Event 23 Vehicle Distance							X				
Fuel Pressure Limiting Valve Open Event 24 Vehicle Distance							X				
Fuel Pressure Limiting Valve Open Event 25 Vehicle Distance							X				
Fuel Pressure Limiting Valve Open Event 26 Vehicle Distance							X				

Program Parameters	System Type										
	MaxxForce N13 SCR 2013-2017	MaxxForce 13 2013 -	MaxxForce DT/9/10 2007-2009	MaxxForce DT/9/10 2010-2012	MaxxForce DT/9/10 2013 -	MaxxForce N9/N10 SCR 2014 -	MaxxForce 11/13 2008-2009	MaxxForce 11/13/15 2010-2012	MaxxForce 7 2007-2009	MaxxForce 7 2010-2013	MaxxForce 5 2007-2009
Fuel Pressure Limiting Valve Open Event 27 Vehicle Distance							X				
Fuel Pressure Limiting Valve Open Event 28 Vehicle Distance							X				
Fuel Pressure Limiting Valve Open Event 29 Vehicle Distance							X				
Fuel Pressure Limiting Valve Open Event 30 Vehicle Distance							X				
Fuel Pressure Limiting Valve Open Event 31 Vehicle Distance							X				
Fuel Pressure Limiting Valve Open Event 32 Vehicle Distance							X				
Fuel Pressure Limiting Valve Open Event 33 Vehicle Distance							X				
Fuel Pressure Limiting Valve Open Event 34 Vehicle Distance							X				
Fuel Pressure Limiting Valve Open Event 35 Vehicle Distance							X				
Fuel Pressure Limiting Valve Open Event 36 Vehicle Distance							X				
Fuel Pressure Limiting Valve Open Event 37 Vehicle Distance							X				
Fuel Pressure Limiting Valve Open Event 38 Vehicle Distance							X				
Fuel Pressure Limiting Valve Open Event 39 Vehicle Distance							X				
Fuel Pressure Limiting Valve Open Event 40 Vehicle Distance							X				
Fuel Pressure Limiting Valve Open Event 41 Vehicle Distance							X				

Program Parameters	System Type										
	MaxxForce N13 SCR 2013-2017	MaxxForce 13 2013 -	MaxxForce DT/9/10 2007-2009	MaxxForce DT/9/10 2010-2012	MaxxForce DT/9/10 2013 -	MaxxForce N9/N10 SCR 2014 -	MaxxForce 11/13 2008-2009	MaxxForce 11/13/15 2010-2012	MaxxForce 7 2007-2009	MaxxForce 7 2010-2013	MaxxForce 5 2007-2009
Fuel Pressure Limiting Valve Open Event 42 Vehicle Distance							X				
Fuel Pressure Limiting Valve Open Event 43 Vehicle Distance							X				
Fuel Pressure Limiting Valve Open Event 44 Vehicle Distance							X				
Fuel Pressure Limiting Valve Open Event 45 Vehicle Distance							X				
Fuel Pressure Limiting Valve Open Event 46 Vehicle Distance							X				
Fuel Pressure Limiting Valve Open Event 47 Vehicle Distance							X				
Fuel Pressure Limiting Valve Open Event 48 Vehicle Distance							X				
Fuel Pressure Limiting Valve Open Event 49 Vehicle Distance							X				
Fuel Pressure Limiting Valve Open Event 50 Vehicle Distance							X				
Fuel Pressure Limiting Valve Open Event 1 Timestamp							X				
Fuel Pressure Limiting Valve Open Event 2 Timestamp							X				
Fuel Pressure Limiting Valve Open Event 3 Timestamp							X				
Fuel Pressure Limiting Valve Open Event 4 Timestamp							X				
Fuel Pressure Limiting Valve Open Event 5 Timestamp							X				
Fuel Pressure Limiting Valve Open Event 6 Timestamp							X				

Program Parameters	System Type										
	MaxxForce N13 SCR 2013-2017	MaxxForce 13 2013 -	MaxxForce DT/9/10 2007-2009	MaxxForce DT/9/10 2010-2012	MaxxForce DT/9/10 2013 -	MaxxForce N9/N10 SCR 2014 -	MaxxForce 11/13 2008-2009	MaxxForce 11/13/15 2010-2012	MaxxForce 7 2007-2009	MaxxForce 7 2010-2013	MaxxForce 5 2007-2009
Fuel Pressure Limiting Valve Open Event 7 Timestamp							X				
Fuel Pressure Limiting Valve Open Event 8 Timestamp							X				
Fuel Pressure Limiting Valve Open Event 9 Timestamp							X				
Fuel Pressure Limiting Valve Open Event 10 Timestamp							X				
Fuel Pressure Limiting Valve Open Event 11 Timestamp							X				
Fuel Pressure Limiting Valve Open Event 12 Timestamp							X				
Fuel Pressure Limiting Valve Open Event 13 Timestamp							X				
Fuel Pressure Limiting Valve Open Event 14 Timestamp							X				
Fuel Pressure Limiting Valve Open Event 15 Timestamp							X				
Fuel Pressure Limiting Valve Open Event 16 Timestamp							X				
Fuel Pressure Limiting Valve Open Event 17 Timestamp							X				
Fuel Pressure Limiting Valve Open Event 18 Timestamp							X				
Fuel Pressure Limiting Valve Open Event 19 Timestamp							X				
Fuel Pressure Limiting Valve Open Event 20 Timestamp							X				
Fuel Pressure Limiting Valve Open Event 21 Timestamp							X				

Program Parameters	System Type										
	MaxxForce N13 SCR 2013-2017	MaxxForce 13 2013 -	MaxxForce DT/9/10 2007-2009	MaxxForce DT/9/10 2010-2012	MaxxForce DT/9/10 2013 -	MaxxForce N9/N10 SCR 2014 -	MaxxForce 11/13 2008-2009	MaxxForce 11/13/15 2010-2012	MaxxForce 7 2007-2009	MaxxForce 7 2010-2013	MaxxForce 5 2007-2009
Fuel Pressure Limiting Valve Open Event 22 Timestamp							X				
Fuel Pressure Limiting Valve Open Event 23 Timestamp							X				
Fuel Pressure Limiting Valve Open Event 24 Timestamp							X				
Fuel Pressure Limiting Valve Open Event 25 Timestamp							X				
Fuel Pressure Limiting Valve Open Event 26 Timestamp							X				
Fuel Pressure Limiting Valve Open Event 27 Timestamp							X				
Fuel Pressure Limiting Valve Open Event 28 Timestamp							X				
Fuel Pressure Limiting Valve Open Event 29 Timestamp							X				
Fuel Pressure Limiting Valve Open Event 30 Timestamp							X				
Fuel Pressure Limiting Valve Open Event 31 Timestamp							X				
Fuel Pressure Limiting Valve Open Event 32 Timestamp							X				
Fuel Pressure Limiting Valve Open Event 33 Timestamp							X				
Fuel Pressure Limiting Valve Open Event 34 Timestamp	X	X						X			
Fuel Pressure Limiting Valve Open Event 35 Timestamp	X	X						X			
Fuel Pressure Limiting Valve Open Event 36 Timestamp	X	X						X			

Program Parameters	System Type										
	MaxxForce N13 SCR 2013-2017	MaxxForce 13 2013 -	MaxxForce DT/9/10 2007-2009	MaxxForce DT/9/10 2010-2012	MaxxForce DT/9/10 2013 -	MaxxForce N9/N10 SCR 2014 -	MaxxForce 11/13 2008-2009	MaxxForce 11/13/15 2010-2012	MaxxForce 7 2007-2009	MaxxForce 7 2010-2013	MaxxForce 5 2007-2009
Fuel Pressure Limiting Valve Open Event 37 Timestamp	X	X						X			
Fuel Pressure Limiting Valve Open Event 38 Timestamp	X	X						X			
Fuel Pressure Limiting Valve Open Event 39 Timestamp	X	X						X			
Fuel Pressure Limiting Valve Open Event 40 Timestamp	X	X						X			
Fuel Pressure Limiting Valve Open Event 41 Timestamp	X	X						X			
Fuel Pressure Limiting Valve Open Event 42 Timestamp	X	X						X			
Fuel Pressure Limiting Valve Open Event 43 Timestamp	X	X						X			
Fuel Pressure Limiting Valve Open Event 44 Timestamp	X	X						X			
Fuel Pressure Limiting Valve Open Event 45 Timestamp	X	X						X			
Fuel Pressure Limiting Valve Open Event 46 Timestamp	X	X						X			
Fuel Pressure Limiting Valve Open Event 47 Timestamp	X	X						X			
Fuel Pressure Limiting Valve Open Event 48 Timestamp	X	X						X			
Fuel Pressure Limiting Valve Open Event 49 Timestamp	X	X						X			
Fuel Pressure Limiting Valve Open Event 50 Timestamp	X	X						X			
Fuel Pressure Limiting Valve Open Event 1 Duration	X	X						X			

Program Parameters	System Type										
	MaxxForce N13 SCR 2013-2017	MaxxForce 13 2013 -	MaxxForce DT/9/10 2007-2009	MaxxForce DT/9/10 2010-2012	MaxxForce DT/9/10 2013 -	MaxxForce N9/N10 SCR 2014 -	MaxxForce 11/13 2008-2009	MaxxForce 11/13/15 2010-2012	MaxxForce 7 2007-2009	MaxxForce 7 2010-2013	MaxxForce 5 2007-2009
Fuel Pressure Limiting Valve Open Event 2 Duration	X	X						X			
Fuel Pressure Limiting Valve Open Event 3 Duration	X	X						X			
Fuel Pressure Limiting Valve Open Event 4 Duration	X	X						X			
Fuel Pressure Limiting Valve Open Event 5 Duration	X	X						X			
Fuel Pressure Limiting Valve Open Event 6 Duration	X	X						X			
Fuel Pressure Limiting Valve Open Event 7 Duration	X	X						X			
Fuel Pressure Limiting Valve Open Event 8 Duration	X	X						X			
Fuel Pressure Limiting Valve Open Event 9 Duration	X	X						X			
Fuel Pressure Limiting Valve Open Event 10 Duration	X	X						X			
Fuel Pressure Limiting Valve Open Event 11 Duration	X	X						X			
Fuel Pressure Limiting Valve Open Event 12 Duration	X	X						X			
Fuel Pressure Limiting Valve Open Event 13 Duration	X	X						X			
Fuel Pressure Limiting Valve Open Event 14 Duration	X	X						X			
Fuel Pressure Limiting Valve Open Event 15 Duration	X	X						X			
Fuel Pressure Limiting Valve Open Event 16 Duration	X	X						X			

Program Parameters	System Type										
	MaxxForce N13 SCR 2013-2017	MaxxForce 13 2013 -	MaxxForce DT/9/10 2007-2009	MaxxForce DT/9/10 2010-2012	MaxxForce DT/9/10 2013 -	MaxxForce N9/N10 SCR 2014 -	MaxxForce 11/13 2008-2009	MaxxForce 11/13/15 2010-2012	MaxxForce 7 2007-2009	MaxxForce 7 2010-2013	MaxxForce 5 2007-2009
Fuel Pressure Limiting Valve Open Event 17 Duration	X	X						X			
Fuel Pressure Limiting Valve Open Event 18 Duration	X	X						X			
Fuel Pressure Limiting Valve Open Event 19 Duration	X	X						X			
Fuel Pressure Limiting Valve Open Event 20 Duration	X	X						X			
Fuel Pressure Limiting Valve Open Event 21 Duration	X	X						X			
Fuel Pressure Limiting Valve Open Event 22 Duration	X	X						X			
Fuel Pressure Limiting Valve Open Event 23 Duration	X	X						X			
Fuel Pressure Limiting Valve Open Event 24 Duration	X	X						X			
Fuel Pressure Limiting Valve Open Event 25 Duration	X	X						X			
Fuel Pressure Limiting Valve Open Event 26 Duration	X	X						X			
Fuel Pressure Limiting Valve Open Event 27 Duration	X	X						X			
Fuel Pressure Limiting Valve Open Event 28 Duration	X	X						X			
Fuel Pressure Limiting Valve Open Event 29 Duration	X	X						X			
Fuel Pressure Limiting Valve Open Event 30 Duration	X	X						X			
Fuel Pressure Limiting Valve Open Event 31 Duration	X	X						X			

Program Parameters	System Type										
	MaxxForce N13 SCR 2013-2017	MaxxForce 13 2013 -	MaxxForce DT/9/10 2007-2009	MaxxForce DT/9/10 2010-2012	MaxxForce DT/9/10 2013 -	MaxxForce N9/N10 SCR 2014 -	MaxxForce 11/13 2008-2009	MaxxForce 11/13/15 2010-2012	MaxxForce 7 2007-2009	MaxxForce 7 2010-2013	MaxxForce 5 2007-2009
Fuel Pressure Limiting Valve Open Event 32 Duration	X	X						X			
Fuel Pressure Limiting Valve Open Event 33 Duration	X	X						X			
Fuel Pressure Limiting Valve Open Event 34 Duration	X	X						X			
Fuel Pressure Limiting Valve Open Event 35 Duration	X	X						X			
Fuel Pressure Limiting Valve Open Event 36 Duration	X	X						X			
Fuel Pressure Limiting Valve Open Event 37 Duration	X	X						X			
Fuel Pressure Limiting Valve Open Event 38 Duration	X	X						X			
Fuel Pressure Limiting Valve Open Event 39 Duration	X	X						X			
Fuel Pressure Limiting Valve Open Event 40 Duration	X	X						X			
Fuel Pressure Limiting Valve Open Event 41 Duration	X	X						X			
Fuel Pressure Limiting Valve Open Event 42 Duration	X	X						X			
Fuel Pressure Limiting Valve Open Event 43 Duration	X	X						X			
Fuel Pressure Limiting Valve Open Event 44 Duration	X	X						X			
Fuel Pressure Limiting Valve Open Event 45 Duration	X	X						X			
Fuel Pressure Limiting Valve Open Event 46 Duration	X	X						X			

Program Parameters	System Type										
	MaxxForce N13 SCR 2013-2017	MaxxForce 13 2013 -	MaxxForce DT/9/10 2007-2009	MaxxForce DT/9/10 2010-2012	MaxxForce DT/9/10 2013 -	MaxxForce N9/N10 SCR 2014 -	MaxxForce 11/13 2008-2009	MaxxForce 11/13/15 2010-2012	MaxxForce 7 2007-2009	MaxxForce 7 2010-2013	MaxxForce 5 2007-2009
Fuel Pressure Limiting Valve Open Event 47 Duration	X	X						X			
Fuel Pressure Limiting Valve Open Event 48 Duration	X	X						X			
Fuel Pressure Limiting Valve Open Event 49 Duration	X	X						X			
Fuel Pressure Limiting Valve Open Event 50 Duration	X	X						X			
ACM Serial Number	X	X						X			
ACM Part Number	X	X						X			
ACM HW Version	X	X						X			
ACM Last Tool ID - Cal	X	X						X			
ACM Last Programmed - Cal	X	X						X			
ACM Last Tool ID - Strat	X	X						X			
ACM Last Programmed - Strat	X	X						X			
ACM Last Tool ID - ProgParam	X	X						X			
ACM HW Major	X	X						X			
ACM HW Minor	X	X						X			
ACM Boot Major	X	X						X			
ACM Boot Minor	X	X						X			
ACM Module Config Major	X	X						X			
ACM Module Config Minor	X	X						X			
ACM Capability	X	X						X			
ACM Total Tattles	X	X						X			
ACM Strategy	X	X						X			
ACM Calibration	X	X						X			
ACM Accum RunTime	X	X						X			
DOC Face Plugging Timer	X	X						X			

Program Parameters	System Type										
	MaxxForce N13 SCR 2013-2017	MaxxForce 13 2013 -	MaxxForce DT/9/10 2007-2009	MaxxForce DT/9/10 2010-2012	MaxxForce DT/9/10 2013 -	MaxxForce N9/N10 SCR 2014 -	MaxxForce 11/13 2008-2009	MaxxForce 11/13/15 2010-2012	MaxxForce 7 2007-2009	MaxxForce 7 2010-2013	MaxxForce 5 2007-2009
DPF New Filter Distance Threshold	X	X						X			
DPF New Filter in Field Service	X	X						X			
DPF New Filter in Plant	X	X						X			
DPF Soot Distribution Factor	X	X						X			
DPF Ash Load	X	X						X			
DPF Ash Accum	X	X						X			
DPF DeltaP Soot Load Estimate	X	X						X			
DPF Combined Soot Load Estimate	X	X						X			
DPF New Filter in Plant Time at Tmptr Threshold	X	X						X			
Filter Life Number of Regens	X	X						X			
Filter Life Incomplete Regens	X	X						X			
Filter Life Complete Regens	X	X						X			
Filter Life Peak Soot Stage	X	X						X			
Filter Life Peak DPF DeltaP	X	X						X			
Filter Life Total Fuel Injected	X	X						X			
Max Soot Time of Event	X	X						X			
Max Soot DOC Inlet Temperature	X	X						X			
Max Soot DOC Outlet Temperature	X	X						X			
Max Soot DPF Outlet Temperature	X	X						X			
Max Soot DPF DeltaP	X	X						X			
Filter Trip Number of Regens	X	X						X			
Filter Trip Completed Regens	X	X						X			

Program Parameters	System Type										
	MaxxForce N13 SCR 2013-2017	MaxxForce 13 2013 -	MaxxForce DT/9/10 2007-2009	MaxxForce DT/9/10 2010-2012	MaxxForce DT/9/10 2013 -	MaxxForce N9/N10 SCR 2014 -	MaxxForce 11/13 2008-2009	MaxxForce 11/13/15 2010-2012	MaxxForce 7 2007-2009	MaxxForce 7 2010-2013	MaxxForce 5 2007-2009
Filter Trip Total Fuel Injected	X	X						X			
Filter Trip Regen Time	X	X						X			
History 1 Regen Time Start	X	X						X			
History 1 Soot Level Start	X	X						X			
History 1 Soot Level End	X	X						X			
History 1 DOCinT Start	X	X						X			
History 1 DOCoutT Max	X	X						X			
History 1 DPFoutT Max	X	X						X			
History 1 DPFdeltaP Max	X	X						X			
History 2 Regen Time Start	X	X						X			
History 2 Soot Level Start	X	X						X			
History 2 Soot Level End	X	X						X			
History 2 DOCinT Start	X	X						X			
History 2 DOCoutT Max	X	X						X			
History 2 DPFoutT Max	X	X						X			
History 2 DPFdeltaP Max	X	X						X			
History3 Regen Time Start	X	X						X			
History3 Soot Level Start	X	X						X			
History3 Soot Level End	X	X						X			
History3 DOCinT Start	X	X						X			
History3 DOCoutT Max	X	X						X			
History3 DPFoutT Max	X	X						X			
History3 DPFdeltaP Max	X	X						X			
History4 Regen Time Start	X	X						X			
History4 Soot Level Start	X	X						X			
History4 Soot Level End	X	X						X			
History4 DOCinT Start	X	X						X			

Program Parameters	System Type										
	MaxxForce N13 SCR 2013-2017	MaxxForce 13 2013 -	MaxxForce DT/9/10 2007-2009	MaxxForce DT/9/10 2010-2012	MaxxForce DT/9/10 2013 -	MaxxForce N9/N10 SCR 2014 -	MaxxForce 11/13 2008-2009	MaxxForce 11/13/15 2010-2012	MaxxForce 7 2007-2009	MaxxForce 7 2010-2013	MaxxForce 5 2007-2009
History4 DOCutT Max	X	X						X			
History4 DPFoutT Max	X	X						X			
History4 DPFdeltaP Max	X	X						X			
History5 Regen Time Start	X	X						X			
History5 Soot Level Start	X	X						X			
History5 Soot Level End	X	X						X			
History5 DOCinT Start	X	X						X			
History5 DOCutT Max	X	X						X			
History5 DPFoutT Max	X	X						X			
History5 DPFdeltaP Max	X	X						X			
Maintenance1 Event Time	X	X						X			
Maintenance2 Event Time	X	X						X			
Maintenance3 Event Time	X	X						X			
Maintenance4 Event Time	X	X						X			
Maintenance5 Event Time	X	X						X			
Maintenance6 Event Time	X	X						X			
Maintenance7 Event Time	X	X						X			
Maintenance8 Event Time	X	X						X			
Maintenance9 Event Time	X	X						X			
Maintenance10 Event Time	X	X						X			
Programmable Parameter List Compatibility Level	X	X						X			
Vehicle Personality Module Revision Level	X	X						X			
Engine Controller Module Compatibility Level	X	X						X			
ECM Manufacturing Date	X	X						X			

Program Parameters	System Type										
	MaxxForce N13 SCR 2013-2017	MaxxForce 13 2013 -	MaxxForce DT/9/10 2007-2009	MaxxForce DT/9/10 2010-2012	MaxxForce DT/9/10 2013 -	MaxxForce N9/N10 SCR 2014 -	MaxxForce 11/13 2008-2009	MaxxForce 11/13/15 2010-2012	MaxxForce 7 2007-2009	MaxxForce 7 2010-2013	MaxxForce 5 2007-2009
EIM Manufacturing Date	X	X						X			
Vehicle Personality Module Manufacturing Date	X	X						X			
ECM Serial Number	X	X						X			
EIM Serial Number	X	X						X			
Vehicle Personality Module Serial Number	X	X						X			
ECM Hardware Version	X	X						X			
EIM Hardware Version	X	X						X			
ECM Software Strategy Version	X	X						X			
EIM Software Strategy Version	X	X						X			
ECM Software Calibration Version	X	X						X			
EIM Calibration Version	X	X						X			
EDC Calibration Version	X	X						X			
EIM Customer Unit Number	X	X						X			
EDC Customer Unit Number	X	X						X			
EIM DPF Serial Number	X	X						X			
DPF Serial Number	X	X						X			
EIM DPF Cleaning and Installation Date	X	X						X			
DPF Cleaning and Installation Date	X	X						X			
EIM DOC Serial Number	X	X						X			
DOC Serial Number	X	X						X			
EIM DOC Installation Date	X	X						X			
Trip Data Reset Date	X	X						X			
CCP Status	X	X						X			

Program Parameters	System Type										
	MaxxForce N13 SCR 2013-2017	MaxxForce 13 2013 -	MaxxForce DT/9/10 2007-2009	MaxxForce DT/9/10 2010-2012	MaxxForce DT/9/10 2013 -	MaxxForce N9/N10 SCR 2014 -	MaxxForce 11/13 2008-2009	MaxxForce 11/13/15 2010-2012	MaxxForce 7 2007-2009	MaxxForce 7 2010-2013	MaxxForce 5 2007-2009
DOC Installation Date	X	X						X			
Programmable Parameter List Validation Checksum	X	X						X			
Programmable Parameter List Validation Checksum	X	X						X			
EIM Programmable Parameter List Validation Checksum	X	X						X			
High Priority List Checksum	X	X						X			
Software Calibration Validation Checksum	X	X						X			
Software Calibration Validation Checksum	X	X						X			
EIM Software Calibration Validation Checksum	X	X						X			
Low Priority List Checksum	X	X						X			
Software Strategy Validation Checksum	X	X						X			
Software Strategy Validation Checksum	X	X						X			
EIM Software Strategy Validation Checksum	X	X						X			
EIM Tattle Tales List Checksum	X	X						X			
EIM Fault Flags List Checksum	X	X						X			
Calibration software checksum	X	X						X			
Strategy Software checksum	X	X						X			
Last Customer Service Tool Identification Number Level 1	X	X						X			
Last Customer Service Tool Identification Number Level 1	X	X						X			

Program Parameters	System Type										
	MaxxForce N13 SCR 2013-2017	MaxxForce 13 2013 -	MaxxForce DT/9/10 2007-2009	MaxxForce DT/9/10 2010-2012	MaxxForce DT/9/10 2013 -	MaxxForce N9/N10 SCR 2014 -	MaxxForce 11/13 2008-2009	MaxxForce 11/13/15 2010-2012	MaxxForce 7 2007-2009	MaxxForce 7 2010-2013	MaxxForce 5 2007-2009
Last Customer Service Tool Identification Number Level 2	X	X						X			
Last Customer Service Tool Identification Number Level 2	X	X						X			
Last Software Calibration Programming Tool ID Number	X	X						X			
Last Software Calibration Programming Tool ID Number	X	X						X			
Last Software Calibration Programming Date	X	X						X			
Last Software Calibration Programming Date	X	X						X			
Last Software Strategy Programming Tool ID Number	X	X						X			
Last Software Strategy Programming Tool ID Number	X	X						X			
Last Software Strategy Programming Date	X	X						X			
Last Software Strategy Programming Date	X	X						X			
Last Service Tool ID - Programmable Parameters	X	X						X			
Last Service Tool ID - Protective Area	X	X						X			
Last Service Tool Date Programmed - Protective Area (Year, Month, Day of Month, Hr)	X	X						X			
Year offset from 1985 stored from the last CAN_TOOL_RESET	X	X						X			

Program Parameters	System Type										
	MaxxForce N13 SCR 2013-2017	MaxxForce 13 2013 -	MaxxForce DT/9/10 2007-2009	MaxxForce DT/9/10 2010-2012	MaxxForce DT/9/10 2013 -	MaxxForce N9/N10 SCR 2014 -	MaxxForce 11/13 2008-2009	MaxxForce 11/13/15 2010-2012	MaxxForce 7 2007-2009	MaxxForce 7 2010-2013	MaxxForce 5 2007-2009
Months stored from the last CAN_TOOL_RESET	X	X						X			
Days stored from the last CAN_TOOL_RESET	X	X						X			
Hours stored from the last CAN_TOOL_RESET	X	X						X			
Minutes stored from the last CAN_TOOL_RESET	X	X						X			
Seconds stored from the CAN_TOOL_RESET	X	X						X			
Engine Oil Pressure Signal Enable	X	X						X			
Engine Oil Pressure Signal Enable	X	X						X			
Water In Fuel Signal Enable	X	X						X			
Engine Fuel Pressure Signal Enable	X	X						X			
Fuel Delivery Pressure Signal Processing Mode	X	X						X			
Engine Fuel Pressure Signal Enable	X	X						X			
AIT Sensor Availability	X	X						X			
Fuel Cooler Control Mode	X	X						X			
Accelerator Pedal Signal Mode	X	X						X			
Self Test Input Mode	X	X						X			
Fuel Pump Control End of Line Enable	X	X						X			
Engine Crankcase Feature Enable	X	X						X			

Program Parameters	System Type										
	MaxxForce N13 SCR 2013-2017	MaxxForce 13 2013 -	MaxxForce DT/9/10 2007-2009	MaxxForce DT/9/10 2010-2012	MaxxForce DT/9/10 2013 -	MaxxForce N9/N10 SCR 2014 -	MaxxForce 11/13 2008-2009	MaxxForce 11/13/15 2010-2012	MaxxForce 7 2007-2009	MaxxForce 7 2010-2013	MaxxForce 5 2007-2009
Engine Coolant Pressure Signal Enable	X	X						X			
Turbocharger Compressor Outlet Temperature Feature Enable	X	X						X			
Fuel Filter Minder Feature Enable	X	X						X			
Crankcase Breather Speed (CBS) Signal Processing Mode Select	X	X						X			
Vehicle Retarder Control Mode	X	X						X			
Engine Retarder - Brake Pedal Delay										X	
Engine Retarder Minimum Vehicle Speed										X	
Cruise Control Engine Retarder Low Speed										X	
Cruise Control Engine Retarder High Speed										X	
Cruise Control Engine Retarder Low Activation										X	
Cruise Control Engine Retarder Enable										X	
Cold Ambient Protection Brake Activation Enable										X	
Engine Retarder - Accelerator Pedal Delay										X	
Engine Retarder - Accelerator Pedal Delay										X	

Program Parameters	System Type										
	MaxxForce N13 SCR 2013-2017	MaxxForce 13 2013 -	MaxxForce DT/9/10 2007-2009	MaxxForce DT/9/10 2010-2012	MaxxForce DT/9/10 2013 -	MaxxForce N9/N10 SCR 2014 -	MaxxForce 11/13 2008-2009	MaxxForce 11/13/15 2010-2012	MaxxForce 7 2007-2009	MaxxForce 7 2010-2013	MaxxForce 5 2007-2009
VRE Disable When Auxiliary Engine Speed Control is Active										X	
Exhaust Brake switch signal feature enable										X	
Vehicle Retarder Mode										X	
Road Speed Limit Engine Brake Activation Enable										X	
Engine Brake Switch Override of CC/RSL Engine Brake Activation										X	
Smart Engine Brake Level Enable										X	
Glow Plug Control Mode										X	
Glow Plug / Inlet Air Heater Control Mode										X	
Cold Engine Starting Assist Mode										X	
Glow Plug / Inlet Air Heater Control Mode										X	
Inlet Air Heater Control Mode										X	
Engine Assisted Windshield Defrost Feature			X	X	X	X			X	X	X
Engine Crank Inhibit Mode							X				
Stater Motor Control Mode			X	X	X	X			X	X	X
Engine Crank Inhibit Run Mode Delay Time							X				
Engine Crank Inhibit Run Mode Delay Time	X	X						X			
Starter Motor Control Thermal Protection			X	X	X	X			X	X	X

Program Parameters	System Type										
	MaxxForce N13 SCR 2013-2017	MaxxForce 13 2013 -	MaxxForce DT/9/10 2007-2009	MaxxForce DT/9/10 2010-2012	MaxxForce DT/9/10 2013 -	MaxxForce N9/N10 SCR 2014 -	MaxxForce 11/13 2008-2009	MaxxForce 11/13/15 2010-2012	MaxxForce 7 2007-2009	MaxxForce 7 2010-2013	MaxxForce 5 2007-2009
Engine Idle Shutdown Timer Mode							X				
Idle Shutdown Timer Mode			X	X	X	X			X	X	X
Idle Shutdown Timer Mode							X				
Engine Idle Shutdown Time			X	X	X	X			X	X	X
Idle Shutdown Time - No Park Brake Set		X						X			
Engine Idle Shutdown Maximum Intake Air Temp	X	X						X			
Engine Idle Shutdown Maximum Intake Air Temp							X				
Maximum Ambient Temperature Override		X						X			
Engine Idle Shutdown Minimum Intake Air Temperature		X						X			
Minimum Ambient Temperature Override	X	X						X			
Minimum Ambient Temperature Override							X				
Idle Shutdown Time with Park Brake Set	X	X						X			
Smart IST Brake		X						X			
Smart IST DDS			X	X	X	X			X	X	X
Intermediate Ambient Temperature							X				
Ambient Temperature Override			X	X	X	X			X	X	X
Maximum Engine Torque (%) for IST							X				

Program Parameters	System Type										
	MaxxForce N13 SCR 2013-2017	MaxxForce 13 2013 -	MaxxForce DT/9/10 2007-2009	MaxxForce DT/9/10 2010-2012	MaxxForce DT/9/10 2013 -	MaxxForce N9/N10 SCR 2014 -	MaxxForce 11/13 2008-2009	MaxxForce 11/13/15 2010-2012	MaxxForce 7 2007-2009	MaxxForce 7 2010-2013	MaxxForce 5 2007-2009
Engine Idle Shutdown Auxiliary Engine Shutdown			X	X	X	X			X	X	X
Engine Idle Shutdown CARB							X				
Idle Shutdown Type							X				
Engine Idle Shutdown CARB							X				
Maximum ECT for IST										X	
Minimum Engine ECT for IST	X	X	X	X	X	X	X	X	X	X	X
Maximum Normalized Throttle Position	X	X	X	X	X	X	X	X	X	X	X
Smart IST DDS	X	X	X	X	X	X	X	X	X	X	X
Smart IST Brake	X	X	X	X	X	X	X	X	X	X	X
Smart IST Park Brake	X	X	X	X	X	X	X	X	X	X	X
Greenhouse Gas Idle Shutdown Timer Enable	X	X	X	X	X	X	X	X	X	X	X
Greenhouse Gas Idle Shutdown Timer Enable - IVEST	X	X						X			
Greenhouse Gas Idle Shutdown Timer Budgeted Idle Mode Enable	X	X						X			
Greenhouse Gas Idle Shutdown Timer Budgeted Idle Expiration Limit	X	X						X			
Idle shutdown Max Accelerator position							X				
Idle Shutdown Maximum Engine Torque (%)							X				
Auxiliary Engine Speed Control - Mode							X				

Program Parameters	System Type										
	MaxxForce N13 SCR 2013-2017	MaxxForce 13 2013 -	MaxxForce DT/9/10 2007-2009	MaxxForce DT/9/10 2010-2012	MaxxForce DT/9/10 2013 -	MaxxForce N9/N10 SCR 2014 -	MaxxForce 11/13 2008-2009	MaxxForce 11/13/15 2010-2012	MaxxForce 7 2007-2009	MaxxForce 7 2010-2013	MaxxForce 5 2007-2009
Auxiliary Engine Speed Control - Maximum Vehicle Speed							X				
Auxiliary Engine Speed Control - In Cab Mode			X	X	X	X			X		X
Auxiliary Engine Speed Control - In Cab Operator Interface				X	X	X					
Auxiliary Engine Speed Control - Remote Pedal Enable										X	
Remote Pedal Mode			X	X					X		X
Auxiliary Engine Speed Control - Preset Engine Speed 1 (Set)							X				
Auxiliary Engine Speed Control - Preset Engine Speed 2 (Resume)										X	
Auxiliary Engine Speed Control - Ramp Rate				X	X	X					
Auxiliary Engine Speed Control - Maximum Engine Speed					X						
Auxiliary Engine Speed Control - Maximum Engine Speed	X										
Auxiliary Engine Speed Control - Disable With Clutch			X	X	X	X				X	
Auxiliary Engine Speed Control - Preset Engine Speed 5							X				
Auxiliary Engine Speed Control - Disable with Brake		X						X			
Auxiliary Engine Speed Control - Preset Engine Speed 6							X				
Auxiliary Engine Speed Control - Return to Zero	X	X						X			

Program Parameters	System Type										
	MaxxForce N13 SCR 2013-2017	MaxxForce 13 2013 -	MaxxForce DT/9/10 2007-2009	MaxxForce DT/9/10 2010-2012	MaxxForce DT/9/10 2013 -	MaxxForce N9/N10 SCR 2014 -	MaxxForce 11/13 2008-2009	MaxxForce 11/13/15 2010-2012	MaxxForce 7 2007-2009	MaxxForce 7 2010-2013	MaxxForce 5 2007-2009
Auxiliary Engine Speed Control - Disable with APS							X				
Auxiliary Engine Speed Control - Disable ATC With Service Brake	X	X						X			
Auxiliary Engine Speed Control - Preset Engine Speed 3	X	X					X	X			
Auxiliary Engine Speed Control - Disable AESC With Parking Brake Released							X				
Auxiliary Engine Speed Control - Preset Engine Speed 4	X	X					X	X			
Auxiliary Engine Speed Control - Disable AESC With Driveline Status	X	X						X			
Auxiliary Engine Speed Control - Preset Engine Speed 5	X	X					X	X			
Auxiliary Engine Speed Control - Disable AESC With In-Cab Controls							X				
Auxiliary Engine Speed Control - Preset Engine Speed 6	X	X	X	X	X	X		C	X		X
Auxiliary Engine Speed Control - Disable AESC With Vehicle Speed										X	
Auxiliary Engine Speed Control - Engine Speed Limit with VSS Fault	X	X						X			

Program Parameters	System Type										
	MaxxForce N13 SCR 2013-2017	MaxxForce 13 2013 -	MaxxForce DT/9/10 2007-2009	MaxxForce DT/9/10 2010-2012	MaxxForce DT/9/10 2013 -	MaxxForce N9/N10 SCR 2014 -	MaxxForce 11/13 2008-2009	MaxxForce 11/13/15 2010-2012	MaxxForce 7 2007-2009	MaxxForce 7 2010-2013	MaxxForce 5 2007-2009
Auxiliary Engine Speed Control - Engine Speed Limit with VSS Fault	X	X						X			
Auxiliary Engine Speed Control - SPDT Enable	X										
Auxiliary Engine Speed Control - Disable RP With Service Brake			X	X	X	X			X	X	X
Auxiliary Engine Speed Control - APS Maximum Engine Speed Override							X				
AESC - APS Maximum Engine Speed Override		X						X			
Auxiliary Engine Speed Control - Vehicle Speed Limit										X	X
Auxiliary Engine Speed Control - Disable RP With Driveline Status			X						X	X	X
Auxiliary Engine Speed Control - Minimum Engine Speed			X	X	X	X			X		X
Auxiliary Engine Speed Control - Disable RP With In-Cab Controls										X	
Auxiliary Engine Speed Control - Engine Speed Throttle Down Ramp Rate	X	X	X	X	X	X	X	X	X		X
Auxiliary Engine Speed Control - Enable RP Overrides										X	
Auxiliary Engine Speed Control - Bump Up/Down Step			X	X	X	X			X		X

Program Parameters	System Type										
	MaxxForce N13 SCR 2013-2017	MaxxForce 13 2013 -	MaxxForce DT/9/10 2007-2009	MaxxForce DT/9/10 2010-2012	MaxxForce DT/9/10 2013 -	MaxxForce N9/N10 SCR 2014 -	MaxxForce 11/13 2008-2009	MaxxForce 11/13/15 2010-2012	MaxxForce 7 2007-2009	MaxxForce 7 2010-2013	MaxxForce 5 2007-2009
Auxiliary Engine Speed Control - Enable AESC Overrides							X				
Auxiliary Engine Speed Control - Intermediate Speed Control Set Point										X	
Enable PTO Preselect Engine Speed										X	
Auxiliary Engine Speed Control - Maximum Engine Load Time			X						X		X
PTO Preselect Engine Speed Setpoint	X	X						X			
Remote Auxiliary Engine Speed Control - Preset Engine Speed Select							X				
Auxiliary Engine Speed Control - Engine Speed Select Based On Vehicle Speed Faults				X	X	X				X	
Auxiliary Engine Speed Control - Vehicle Speed Limit Select			X	X	X	X			X	X	X
Auxiliary Engine Speed Control Switch Mode							X				
Interrupt DPF Regeneration When AESC Activated	X	X						X			
Remote Pedal Voltage Threshold Out of Range Low Fault			X	X	X	X			X	X	X
AESC Disable with Parking Brake	X	X						X			
Enable Engine Brake in PTO							X				

Program Parameters	System Type										
	MaxxForce N13 SCR 2013-2017	MaxxForce 13 2013 -	MaxxForce DT/9/10 2007-2009	MaxxForce DT/9/10 2010-2012	MaxxForce DT/9/10 2013 -	MaxxForce N9/N10 SCR 2014 -	MaxxForce 11/13 2008-2009	MaxxForce 11/13/15 2010-2012	MaxxForce 7 2007-2009	MaxxForce 7 2010-2013	MaxxForce 5 2007-2009
Percentage Engine Brake applied when PTO kicks out (Standby and Off)			X	X	X	X			X	X	X
Select Engine Brake Level in PTO	X	X						X			
AESC low idle high load gain feature enable							X				
AESC low idle high load proportional gain							X				
AESC low idle high load integral gain	X	X						X			
Cruise Control Mode	X	X					X	X			
Cruise Control Low Engine RPM Limit	X	X					X	X			
Cruise Control Vehicle Speed Ramp Rate	X	X					X	X			
Cruise Control Vehicle Speed Low Limit		X	X	X	X	X	X	X	X	X	X
Cruise Control Vehicle Speed High Limit	X	X					X	X			
Cruise Control Over Speed							X				
Cruise Control Under Speed	X	X						X			
Cruise Control Auto-Resume Enable	X	X						X			
Cruise Control Auto-Resume Enable				X	X	X			X		
Cruise Control Set Speed Memory Enable										X	
Cruise Control Vehicle Speed Memory	X										

Program Parameters	System Type										
	MaxxForce N13 SCR 2013-2017	MaxxForce 13 2013 -	MaxxForce DT/9/10 2007-2009	MaxxForce DT/9/10 2010-2012	MaxxForce DT/9/10 2013 -	MaxxForce N9/N10 SCR 2014 -	MaxxForce 11/13 2008-2009	MaxxForce 11/13/15 2010-2012	MaxxForce 7 2007-2009	MaxxForce 7 2010-2013	MaxxForce 5 2007-2009
Adaptive Cruise Control Enable				X	X	X			X	X	
Cruise Control Recovery after ACC Fault	X										
Cruise Control Increment/Decrement				X	X	X			X		
Cruise Control Increment/Decrement										X	
Hardwired Cruise Control Switches Diagnostic Enable	X										
Cruise Control Max Droop	X										
Cruise Control Cancel Switch Hardwired Enable											
Predictive Cruise Control Available	X	X	X	X	X	X	X	X	X	X	X
Predictive Cruise Control Maximum Negative Offset			X	X	X	X	X		X	X	X
Predictive Cruise Control Maximum Positive Offset	X	X						X			
Cruise inputs configuration	X	X	X	X	X	X	X	X	X	X	X
Engine Warning & Protection System Mode	X	X	X	X	X	X	X	X	X	X	X
Engine Coolant Warning Temperature	X	X	X	X	X	X	X	X	X	X	X
Engine Coolant Critical Temperature	X	X	X	X	X	X	X	X	X	X	X
Engine Oil Pressure Engine RPM Boundary 1	X	X	X	X	X	X	X	X	X	X	X
Engine Oil Pressure Engine RPM Boundary 2	X	X	X	X	X	X	X	X	X		X

Program Parameters	System Type										
	MaxxForce N13 SCR 2013-2017	MaxxForce 13 2013 -	MaxxForce DT/9/10 2007-2009	MaxxForce DT/9/10 2010-2012	MaxxForce DT/9/10 2013 -	MaxxForce N9/N10 SCR 2014 -	MaxxForce 11/13 2008-2009	MaxxForce 11/13/15 2010-2012	MaxxForce 7 2007-2009	MaxxForce 7 2010-2013	MaxxForce 5 2007-2009
Engine Oil Pressure Engine RPM Boundary 3	X	X	X	X	X	X	X	X	X	X	X
Engine Oil Warning Pressure for Region 1	X	X	X	X	X	X	X	X	X	X	X
Engine Oil Warning Pressure for Region 2	X	X	X	X	X	X	X	X	X	X	X
Engine Oil Warning Pressure for Region 3	X	X	X	X	X	X	X	X	X	X	X
Engine Oil Critical Pressure for Region 1	X	X	X	X	X	X	X	X	X	X	X
Engine Oil Critical Pressure for Region 2	X	X	X	X	X	X	X	X	X		X
Engine Oil Critical Pressure for Region 3	X	X	X	X	X	X	X	X	X		X
Disable Low Inlet Fuel Pressure Detection	X	X						X			
PTP Zero Vehicle Speed Maximum Torque			X	X	X	X	X		X		X
Max Torque in Low Gear Range	X	X	X	X	X	X		X	X		X
GDP Enable			X	X	X	X			X		X
GDP Low Load Vehicle Speed Limit in Top Gear Minus 2	X	X					X	X			
GDP Low Load Vehicle Speed Limit in Top Gear Minus 1			X	X	X	X	X		X		X
PTP Low Gear Maximum Torque Enable	X	X						X			
Highest Gear of Low Range - Auto			X	X	X	X			X		X
Highest Gear NUMBER of Low Gear Range - Auto							X				

Program Parameters	System Type										
	MaxxForce N13 SCR 2013-2017	MaxxForce 13 2013 -	MaxxForce DT/9/10 2007-2009	MaxxForce DT/9/10 2010-2012	MaxxForce DT/9/10 2013 -	MaxxForce N9/N10 SCR 2014 -	MaxxForce 11/13 2008-2009	MaxxForce 11/13/15 2010-2012	MaxxForce 7 2007-2009	MaxxForce 7 2010-2013	MaxxForce 5 2007-2009
EWPS Fault Mode					X	X					
ECT Critical Temperature Sensor 2	X	X					X	X			
ECT Warning Temperature Sensor 2	X	X			X	X	X	X			
PTP Enable							X				
Vehicle Over Speed Level 1	X	X					X	X			
Vehicle Over Speed Level 2		X						X		X	
Engine Derate Torque Limit Enable		X						X			
De-rate Maximum Torque Limit	X	X						X		X	
High Idle While High Load GDP is Active	X	X						X		X	
Top Gear Minus 1 Gear Ratio	X	X						X			
Top Gear Minus 2 Gear Ratio										X	
EWPS Shutdown Time										X	
Gear Down Protection High Idle Limit Enable	X	X	X	X	X	X	X	X	X	X	X
Minimum Vehicle Speed for Low Gear Torque Limiting			X	X	X	X	X		X	X	X
Enable Engine Brake in PTO		X						X			
GDP High Load Vehicle Speed Limit in Top Gear Minus 2			X	X	X	X			X		X
Percentage Engine Brake applied when PTO kicks out	X	X						X			
GDP High Load Vehicle Speed Limit in Top Gear Minus 1							X			X	
PS Low Gear Engine Speed Limit	X	X	X	X	X	X	X	X	X	X	X

Program Parameters	System Type										
	MaxxFlex N13 SCR 2013-2017	MaxxFlex 13 2013 -	MaxxFlex DT/9/10 2007-2009	MaxxFlex DT/9/10 2010-2012	MaxxFlex DT/9/10 2013 -	MaxxFlex N9/N10 SCR 2014 -	MaxxFlex 11/13 2008-2009	MaxxFlex 11/13/15 2010-2012	MaxxFlex 7 2007-2009	MaxxFlex 7 2010-2013	MaxxFlex 5 2007-2009
PS High Gear Engine Speed Limit			X	X	X	X			X	X	X
PS Low Gear Engine Speed Range	X	X					X	X			
PS High Gear Engine Speed Range	X						X				
PS High Gear Ratio Break Point		X					X	X			
PS High Gear Ratio Break Point							X				
PS Enable							X				
Numerically Lowest Gear RATIO of Low Gear Range	X	X						X			
Multi Torque Rating Enable							X				
Numerically Lowest Gear RATIO of Intermediate Gear Range							X				
Numerically Lowest Gear RATIO of High Gear Range	X	X						X			
Highest Gear NUMBER of Intermediate Gear Range - Auto	X									X	
Highest Gear of Int. Range - Auto	X										
Highest Gear NUMBER of High Gear Range - Auto	X										
Highest Gear of High Range - Auto	X										
Maximum Torque in Intermediate Gear Range	X										
Maximum Torque in Intermediate Gear Range	X										

Program Parameters	System Type										
	MaxxForce N13 SCR 2013-2017	MaxxForce 13 2013 -	MaxxForce DT/9/10 2007-2009	MaxxForce DT/9/10 2010-2012	MaxxForce DT/9/10 2013 -	MaxxForce N9/N10 SCR 2014 -	MaxxForce 11/13 2008-2009	MaxxForce 11/13/15 2010-2012	MaxxForce 7 2007-2009	MaxxForce 7 2010-2013	MaxxForce 5 2007-2009
Maximum Torque in High Gear Range							X				
ECT Warning and Protection Mode			X	X	X	X			X		
Fuel Pump Controller Diagnostic Enable		X						X			
EOT Warning and Protection Mode										X	
Maximum Standstill Engine speed	X										
ECL Warning and Protection Mode			X	X	X	X	X		X		X
Minimum Gear Ratio For Progressive shift	X	X						X			
Minimum Gear Number For Progressive Shifting			X	X	X	X	X		X		X
Auto Start-Stop engine speed setpoint	X	X						X			
Oil Pressure High - Warning Light			X	X	X	X			X		X
Oil Pressure Low - Protection Light	X	X					X	X			
Oil Temperature High - Protection Light			X	X	X	X			X		X
Oil Temperature High - Warning Light							X				
Oil Level Low - Protection Light	X	X						X			
Coolant Level Low - Protection Light			X	X	X	X			X		X

Program Parameters	System Type										
	MaxxForce N13 SCR 2013-2017	MaxxForce 13 2013 -	MaxxForce DT/9/10 2007-2009	MaxxForce DT/9/10 2010-2012	MaxxForce DT/9/10 2013 -	MaxxForce N9/N10 SCR 2014 -	MaxxForce 11/13 2008-2009	MaxxForce 11/13/15 2010-2012	MaxxForce 7 2007-2009	MaxxForce 7 2010-2013	MaxxForce 5 2007-2009
Coolant Level Low - Protection Reaction							X				
Oil Pressure High - Protection Reaction	X	X						X			
Oil Temperature - Protection Reaction			X	X	X	X			X		X
TCBM warning and protection mode							X				
Oil Level - Protection Reaction	X	X						X			
Engine Overspeed Protection Engine Speed Threshold at Low Idle			X	X	X	X			X		X
Engine Overspeed Protection Engine Speed Threshold at PTO Mode							X				
Fire and Rescue Mode Selection	X	X						X			
Vehicle Over Speed Indicator			X	X	X	X			X		X
DEF Warning Lamp Mode Select							X				
SCR Tamper Resistant Warning & Protection System First Fault Occurrence	X	X						X			
DEF Level Warning & Protection System Mode Select			X	X	X	X			X		X
DPF system Warning & Protection Feature Mode Select							X				
SCR Faults Reset Request	X	X						X			
Powertrain Protection Engine Speed Limit			X	X	X	X			X		X

Program Parameters	System Type										
	MaxxForce N13 SCR 2013-2017	MaxxForce 13 2013 -	MaxxForce DT/9/10 2007-2009	MaxxForce DT/9/10 2010-2012	MaxxForce DT/9/10 2013 -	MaxxForce N9/N10 SCR 2014 -	MaxxForce 11/13 2008-2009	MaxxForce 11/13/15 2010-2012	MaxxForce 7 2007-2009	MaxxForce 7 2010-2013	MaxxForce 5 2007-2009
Powertrain Protection Vehicle Speed Limit							X				
Coolant Temperature Compensation Mode	X	X	X	X	X	X	X	X	X		X
Coolant Temperature to Begin Power Derate	X	X					X	X			
Coolant Temperature to Modify Power Derate Percent				X	X	X	X				
Road Speed Limiting Control Mode	X	X					X	X			
Engine Speed Limit with VSS Fault	X	X					X	X			
Max Vehicle Speed with Road Speed Limiting On	X	X					X	X			
Max Vehicle Speed							X				
Road Speed Limiting Vehicle Speed Limit	X	X						X			
Vehicle Speed Over Speed Limit							X				
Secondary Max Vehicle Speed with Road Speed Limiting On							X				
Road Speed Limiting Input SW Low Vehicle Speed Limit	X	X						X			
Vehicle Speed Under Speed Limit							X				
Secondary Road Speed Limiting Control Mode	X	X						X			
Road Speed Limiting Vehicle Limiting Speed Mode	X	X					X	X			

Program Parameters	System Type										
	MaxxForce N13 SCR 2013-2017	MaxxForce 13 2013 -	MaxxForce DT/9/10 2007-2009	MaxxForce DT/9/10 2010-2012	MaxxForce DT/9/10 2013 -	MaxxForce N9/N10 SCR 2014 -	MaxxForce 11/13 2008-2009	MaxxForce 11/13/15 2010-2012	MaxxForce 7 2007-2009	MaxxForce 7 2010-2013	MaxxForce 5 2007-2009
Vehicle Speed Anti-Tampering Enable							X				
Road Speed Limiting Max RPM with VS Signal Fault	X	X						X			
VS Anti-Tampering Minimum Enable Time	X	X					X	X			
VS Anti-Tampering Maximum Detection Counts		X					X	X			
VS Anti-Tampering Minimum Enable Load							X				
VS Anti-Tampering Minimum Enable Load							X				
Max Vehicle Speed with Cruise Control							X				
Vehicle Speed Limit Override	X	X						X			
VSLO Speed Increment	X	X					X	X			
VSLO Maximum Activation Time	X	X					X	X			
Time Interval to reset VSLO							X				
Time Interval to reset VSLO							X				
MRS�D Accumulator interval time	X	X					X	X			
MRS�D Accumulator enable time							X				
Driver Reward Enable	X	X						X			
Fuel Economy - Excellent Level							X				
Fuel Economy - Good Level	X	X					X	X			
Fuel Economy - Expected Level	X	X					X	X			
Percent Idle Time - Excellent Level	X	X					X	X			

Program Parameters	System Type										
	MaxxFlex N13 SCR 2013-2017	MaxxFlex 13 2013 -	MaxxFlex DT/9/10 2007-2009	MaxxFlex DT/9/10 2010-2012	MaxxFlex DT/9/10 2013 -	MaxxFlex N9/N10 SCR 2014 -	MaxxFlex 11/13 2008-2009	MaxxFlex 11/13/15 2010-2012	MaxxFlex 7 2007-2009	MaxxFlex 7 2010-2013	MaxxFlex 5 2007-2009
Percent Idle Time - Good Level	X	X					X	X			
Percent Idle Time - Expected Level	X	X					X	X			
Driver Reward Performance Criteria							X				
VS Limit Increment - Expected Level	X	X					X	X			
VS Limit Increment - Good Level	X	X						X		X	
VS Limit Increment - Excellent Level	X	X					X	X			
VS Limit Decrement - Penalty Level	X	X					X	X			
Driver Reward Mode	X	X						X			
Adjustable Road Speed Limit Enable	X	X						X			
Adjustable Road Speed Limit Vehicle Speed Limit Selection							X				
Adjustable Road Speed Limiter VSL	X	X					X	X			
VSLO Time Duration Source							X				
SART Accumulator to store hours	X	X					X	X			
SART Accumulator to store intervals	X	X						X		X	
Maximum Road Speed Limit Global				X	X	X				X	
Driver Reward Ambient Temperature Limit High										X	

Program Parameters	System Type										
	MaxxForce N13 SCR 2013-2017	MaxxForce 13 2013 -	MaxxForce DT/9/10 2007-2009	MaxxForce DT/9/10 2010-2012	MaxxForce DT/9/10 2013 -	MaxxForce N9/N10 SCR 2014 -	MaxxForce 11/13 2008-2009	MaxxForce 11/13/15 2010-2012	MaxxForce 7 2007-2009	MaxxForce 7 2010-2013	MaxxForce 5 2007-2009
Accumulator to store Driver Reward Level	X	X						X			
Driver Reward Ambient Temperature Limit Low										X	
Road Speed Limiting Secondary Vehicle Speed Limit	X	X						X			
Road Speed Limiting Secondary Vehicle Speed Limit Enable										X	
Road Speed Limiting Max RPM Limit for Secondary Speed with VSS fault	X	X						X			
Greenhouse Gas Vehicle Speed Limit Enable										X	
Greenhouse Gas Vehicle Speed Limit	X	X						X			
Greenhouse Gas Vehicle Speed Limit Factory Enable	X	X						X			
Greenhouse Gas Vehicle Speed Limit Override Speed Increment	X	X						X			
Two Speed Axle Enable		X						X			
Tire Revs Per Mile		X						X			
Rear Axle Ratio Low		X						X			
Rear Axle Ratio High		X						X			
Transmission Top Gear Ratio		X						X		X	
Low Axle Ratio Pulses Per Mile Count	X	X						X			

Program Parameters	System Type										
	MaxxForce N13 SCR 2013-2017	MaxxForce 13 2013 -	MaxxForce DT/9/10 2007-2009	MaxxForce DT/9/10 2010-2012	MaxxForce DT/9/10 2013 -	MaxxForce N9/N10 SCR 2014 -	MaxxForce 11/13 2008-2009	MaxxForce 11/13/15 2010-2012	MaxxForce 7 2007-2009	MaxxForce 7 2010-2013	MaxxForce 5 2007-2009
High Axle Ratio Pulses Per Mile Count	X					X					
Transmission Tailshaft Gear Teeth	X					X					
High Gear Ratio of Low Range - MAN						X					
High Gear Ratio of High Range - MAN	X										
High Gear Ratio of Int. Range - MAN	X										
Transfer Case Status Enable	X										
Transfer Case Switch Signal Source	X										
Transfer Case Axle Ratio Low			X	X	X	X	X		X		X
Torque Level Tailoring Mode		X						X			
TLT N/VS Ratio Lower Gear Bound Transition Point			X	X	X	X	X		X		X
TLT N/VS Ratio Higher Gear Bound Transition Point			X	X	X	X	X		X		X
Greenhouse Gas Expiration Mileage			X	X	X	X	X		X		X
Greenhouse Gas Vehicle Speed Limit Override Maximum Time Duration			X	X	X	X	X		X	X	X
Transmission Type	X	X	X	X	X	X	X	X	X	X	X
Engine Family Rating Code				X	X	X				X	
Low Idle Engine Speed				X	X	X	X		X	X	
High Idle Engine Speed				X	X	X	X		X	X	
Rated Engine Speed	X	X					X	X		X	

Program Parameters	System Type										
	MaxxForce N13 SCR 2013-2017	MaxxForce 13 2013 -	MaxxForce DT/9/10 2007-2009	MaxxForce DT/9/10 2010-2012	MaxxForce DT/9/10 2013 -	MaxxForce N9/N10 SCR 2014 -	MaxxForce 11/13 2008-2009	MaxxForce 11/13/15 2010-2012	MaxxForce 7 2007-2009	MaxxForce 7 2010-2013	MaxxForce 5 2007-2009
Rated Power	X	X					X	X			
Engine Family Extension	X	X					X	X			
Regulation Type	X	X					X	X			
Next Generation Type							X				
Next Generation Vehicle	X	X					X	X			
Common Chassis Vehicle	X	X						X			
Low Idle Speed Adjustment Enable	X	X					X	X			
Idle Speed Control Adjustment Ramp Rate		X					X	X			
Low Idle Speed Adjustable Maximum		X					X	X			
Low Idle Speed when Power is Lost or Ignition is Turned Off	X	X					X	X			
High Idle Regulation	X	X					X	X			
Idle Speed Control Enable	X	X						X			
Idle Speed Bump Up/Down Step	X	X					X	X			
Upshift Indicator	X	X					X	X			
Shift Sync							X				
Transmission Models	X	X						X			
Gear Number Calculation Gear 1							X				
Gear Number Calculation Gear 2	X	X						X			
Gear Number Calculation Gear 3	X	X					X	X			
Gear Number Calculation Gear 4							X				
Gear Number Calculation Gear 5	X	X						X			
Gear Number Calculation Gear 6							X				
Gear Number Calculation Gear 7	X	X						X			

Program Parameters	System Type										
	MaxxForce N13 SCR 2013-2017	MaxxForce 13 2013 -	MaxxForce DT/9/10 2007-2009	MaxxForce DT/9/10 2010-2012	MaxxForce DT/9/10 2013 -	MaxxForce N9/N10 SCR 2014 -	MaxxForce 11/13 2008-2009	MaxxForce 11/13/15 2010-2012	MaxxForce 7 2007-2009	MaxxForce 7 2010-2013	MaxxForce 5 2007-2009
Gear Number Calculation Gear 8							X				
Gear Number Calculation Gear 9	X	X						X			
Gear Number Calculation Gear 10							X				
Gear Number Calculation Gear 11	X	X						X			
Gear Number Calculation Gear 12	X	X					X	X			
Gear Number Calculation Gear 13	X	X					X	X			
Gear Number Calculation Gear 14	X	X					X	X			
Gear Number Calculation Gear 15							X				
Gear Number Calculation Gear 16	X	X						X			
Gear Number Calculation Gear 17	X	X					X	X			
Gear Number Calculation Gear 18							X				
Gear Number Calculation Gear 19	X	X						X			
Gear Number Calculation Gear 20							X				
Gear Number Calculation Gear 21	X	X						X			
Gear Number Calculation Gear 22							X				

Program Parameters	System Type										
	MaxxForce N13 SCR 2013-2017	MaxxForce 13 2013 -	MaxxForce DT/9/10 2007-2009	MaxxForce DT/9/10 2010-2012	MaxxForce DT/9/10 2013 -	MaxxForce N9/N10 SCR 2014 -	MaxxForce 11/13 2008-2009	MaxxForce 11/13/15 2010-2012	MaxxForce 7 2007-2009	MaxxForce 7 2010-2013	MaxxForce 5 2007-2009
Gear Number Calculation Gear 23	X	X						X			
Gear Number Calculation Ratio 1	X	X						X			
Gear Number Calculation Ratio 2							X				
Gear Number Calculation Ratio 3	X	X						X			
Gear Number Calculation Ratio 4	X										
Gear Number Calculation Ratio 5	X										
Gear Number Calculation Ratio 6	X										
Gear Number Calculation Ratio 7	X										
Gear Number Calculation Ratio 9	X	X	X	X	X	X	X	X	X		X
Gear Number Calculation Ratio 10										X	
Gear Number Calculation Ratio 12	X	X	X	X	X	X	X	X	X	X	X
Gear Number Calculation Ratio 14			X	X	X	X			X	X	X
Gear Number Calculation Ratio 15							X				
Gear Number Calculation Ratio 16	X	X						X			
Gear Number Calculation Ratio 18			X	X	X	X			X	X	X

Program Parameters	System Type										
	MaxxForce N13 SCR 2013-2017	MaxxForce 13 2013 -	MaxxForce DT/9/10 2007-2009	MaxxForce DT/9/10 2010-2012	MaxxForce DT/9/10 2013 -	MaxxForce N9/N10 SCR 2014 -	MaxxForce 11/13 2008-2009	MaxxForce 11/13/15 2010-2012	MaxxForce 7 2007-2009	MaxxForce 7 2010-2013	MaxxForce 5 2007-2009
Gear Number Calculation Ratio 19	X	X						X			
Gear Number Calculation Ratio 21			X	X	X	X	X		X		X
Gear Number Calculation Ratio 22	X	X						X			
Gear Number Calculation Ratio 23							X				
Fuel Economy Mode Gear Number Threshold			X	X	X	X			X		X
Total Fuel Used			X	X	X	X	X		X		X
Total Engine Hours	X	X	X	X	X	X	X	X	X	X	X
Engine On Time							X				
Total Miles	X	X					X	X		X	
Number of Coolant System Fault Overlimit										X	
Trip Fan On Time										X	
Vehicle Miles per DPF Regeneration - All Regenerations	X										
Time of Coolant System Fault Overlimit			X	X	X	X			X		X
Total A/T Parked Regen Requests	X										
Total A/T Regen Inhibit Requests			X	X	X	X			X		X
Engine Coolant Level Fault Event Counter	X										

Program Parameters	System Type										
	MaxxForce N13 SCR 2013-2017	MaxxForce 13 2013 -	MaxxForce DT/9/10 2007-2009	MaxxForce DT/9/10 2010-2012	MaxxForce DT/9/10 2013 -	MaxxForce N9/N10 SCR 2014 -	MaxxForce 11/13 2008-2009	MaxxForce 11/13/15 2010-2012	MaxxForce 7 2007-2009	MaxxForce 7 2010-2013	MaxxForce 5 2007-2009
Engine Coolant Level Fault Total Minutes			X	X	X	X			X		X
Engine Coolant Temperature Fault Event Counter	X						X				
Engine Coolant Temperature Fault Total Minutes			X	X	X	X			X	X	X
Engine Oil Temperature Fault Event Counter	X	X						X			
Engine Oil Temperature Fault Total Minutes	X	X	X	X	X	X	X	X	X	X	X
Trip Idle Fuel Used											
Total Engine On Time at Idle Speed			X	X	X	X			X	X	X
Trip Engine On Time at Idle							X				
Trip Engine On Time at Idle	X	X						X			
Total AESC Fuel Used			X	X	X	X			X	X	X
Engine On Time in AESC							X				
Total Engine On Time in AESC	X	X						X			
Trip Moving AESC Fuel Used							X				
Trip Engine On Time in AESC Moving		X	X	X	X	X		X	X	X	X
Trip Stationary AESC Fuel Used			X	X	X	X	X		X	X	X
Trip Engine On Time in AESC Stationary	X	X						X			
Trip AESC Device 1 Fuel Used			X						X		X
Trip Engine On Time in AESC Device 1			X	X	X	X	X		X		X
Trip AESC Device 2 Fuel Used			X	X	X	X			X		X

Program Parameters	System Type										
	MaxxForce N13 SCR 2013-2017	MaxxForce 13 2013 -	MaxxForce DT/9/10 2007-2009	MaxxForce DT/9/10 2010-2012	MaxxForce DT/9/10 2013 -	MaxxForce N9/N10 SCR 2014 -	MaxxForce 11/13 2008-2009	MaxxForce 11/13/15 2010-2012	MaxxForce 7 2007-2009	MaxxForce 7 2010-2013	MaxxForce 5 2007-2009
Trip Engine On Time in AESC Device 2							X				
Trip AESC Device 3 Fuel Used		X						X			
Trip AESC Device 3 Fuel Used							X				
Trip Engine On Time in AESC Device 3		X					X	X			
Vehicle Miles at Last DPF Servicing	X	X						X			
Vehicle Hours at Last DPF Servicing							X				
Hard Brake Incident Monitor	X	X					X	X			
Vehicle Over Speed #1 Incidents	X	X					X	X			
Vehicle Over Speed #2 Incidents	X	X					X	X			
Total Engine Distance							X				
DPF Soot Load	X	X						X			
ECT Maximum Overlimit Time		X					X	X			
DPF Soot Load	X	X						X			
DPF Ash Loading (Open Loop)	X	X						X			
Maximum ECT Overlimit	X	X						X			
DPF Soot Load Calculation Parameter #1	X	X						X			
EOT Maximum Overlimit Time	X	X						X			
DPF Ash Loading (Closed Loop)	X	X						X			
Maximum EOT Overlimit	X	X						X			
DPF Soot Load Calculation Parameter #2	X	X						X			

Program Parameters	System Type										
	MaxxForce N13 SCR 2013-2017	MaxxForce 13 2013 -	MaxxForce DT/9/10 2007-2009	MaxxForce DT/9/10 2010-2012	MaxxForce DT/9/10 2013 -	MaxxForce N9/N10 SCR 2014 -	MaxxForce 11/13 2008-2009	MaxxForce 11/13/15 2010-2012	MaxxForce 7 2007-2009	MaxxForce 7 2010-2013	MaxxForce 5 2007-2009
EOP Minimum Underlimit Time	X	X						X			
Number of sample pairs used in restriction (dPdV) calculation	X	X						X			
Minimum EOP Underlimit	X	X						X			
Number of External DPF Regeneration Inhibit Events	X	X						X			
Total Average Vehicle Speed	X	X						X			
Current Accumulated Time of Regeneration Inhibit	X	X						X			
Trip Average Vehicle Speed	X	X						X			
First Accumulated Time of Regeneration Inhibit	X	X						X			
Total Fuel Economy	X	X						X			
Second Accumulated Time of Regeneration Inhibit	X	X						X			
Trip Vehicle Distance	X	X						X			
Third Accumulated Time of Regeneration Inhibit	X	X						X			
Trip Fuel Used	X	X						X			
Fourth Accumulated Time of Regeneration Inhibit	X	X						X			
Total Idle Time	X	X						X			
Total Idle Fuel Used	X	X						X			
Trip Percent Time at Idle	X	X						X			
Trip Hard Brake Incident Monitor	X	X						X			

Program Parameters	System Type										
	MaxxForce N13 SCR 2013-2017	MaxxForce 13 2013 -	MaxxForce DT/9/10 2007-2009	MaxxForce DT/9/10 2010-2012	MaxxForce DT/9/10 2013 -	MaxxForce N9/N10 SCR 2014 -	MaxxForce 11/13 2008-2009	MaxxForce 11/13/15 2010-2012	MaxxForce 7 2007-2009	MaxxForce 7 2010-2013	MaxxForce 5 2007-2009
Trip Engine Over Speed Incident Monitor	X	X						X			
Trip Maximum Engine Speed	X	X						X			
Total Engine Over Speed	X	X						X			
Trip Maximum Vehicle Speed	X	X						X			
Trip A/T Parked Regens	X										
Trip A/T Rolling Regens	X										
Trip Average Fuel Economy			X	X	X	X			X	X	X
Trip Engine On Time							X				
ECU On Time Offset	X	X						X			
Total Fuel Used Offset			X	X	X	X	X		X	X	X
Engine Idle Fuel Used Offset	X	X						X			
AESC On Time Offset			X	X	X	X	X		X	X	X
AESC Fuel Used Offset	X	X						X			
COSI Manual Reset Event Occurrence Count							X				
ACM Fuel Accumulated			X	X	X	X			X		X
Trip ACM Fuel Accumulated							X				
Trip Top Gear Engine Hours		X						X			
Top Gear Minus One Engine Hours			X	X	X	X			X		X
Trip Top Gear Minus One Engine Hours							X				
Trip Cruise Control Engine Hours		X						X			
Number of Coolant System Fault Overlimit	X	X						X			

Program Parameters	System Type										
	MaxxForce N13 SCR 2013-2017	MaxxForce 13 2013 -	MaxxForce DT/9/10 2007-2009	MaxxForce DT/9/10 2010-2012	MaxxForce DT/9/10 2013 -	MaxxForce N9/N10 SCR 2014 -	MaxxForce 11/13 2008-2009	MaxxForce 11/13/15 2010-2012	MaxxForce 7 2007-2009	MaxxForce 7 2010-2013	MaxxForce 5 2007-2009
Engine Coolant Level Fault Event Counter			X	X	X	X			X		X
Engine Coolant Level Fault Total Time	X	X						X			
Engine Oil Temperature Fault Event Counter			X	X	X	X			X		X
Engine Oil Temperature Fault Total Time			X	X	X	X			X	X	X
Engine Coolant Temperature Critical Fault Event Occurrence Count							X				
Engine Oil Pressure Critical Latch Fault Event Occurrence Count	X	X						X			
Engine Oil Pressure Critical Latch Fault Active Duration			X	X	X	X			X	X	X
Engine Oil Pressure Warning Fault Event Occurrence Count							X				
Engine Oil Pressure Warning Fault Active Duration	X	X						X			
Engine Oil Temperature Warning Fault Event Occurrence Count			X	X	X	X	X		X		X
Engine Oil Temperature Warning Fault Active Duration	X	X						X			
Change Oil Service Interval Fault Active Duration			X	X	X	X	X		X		X
Engine Coolant Temperature Waning Fault Occurrence Count	X	X						X			

Program Parameters	System Type										
	MaxxForce N13 SCR 2013-2017	MaxxForce 13 2013 -	MaxxForce DT/9/10 2007-2009	MaxxForce DT/9/10 2010-2012	MaxxForce DT/9/10 2013 -	MaxxForce N9/N10 SCR 2014 -	MaxxForce 11/13 2008-2009	MaxxForce 11/13/15 2010-2012	MaxxForce 7 2007-2009	MaxxForce 7 2010-2013	MaxxForce 5 2007-2009
Engine Coolant Temperature Warning Fault Active							X				
Engine Fuel Temperature Critical Fault Occurrence Count	X	X						X			
Engine Fuel Temperature Critical Fault Active Duration							X				
Engine Fuel Temperature Warning Fault Occurrence Count	X	X						X			
Engine Fuel Temperature Warning Fault Active Duration							X				
Engine Speed Fault Occurrence Count	X	X						X			
Engine Speed Fault Active Duration							X				
Trip Engine Over Speed Incident Monitor	X	X						X			
DPF Ash Load							X				
Total Cruise Control Distance		X						X			
Total Engine Brake Distance							X				
Total Gear Down Distance		X						X			
Total Full Pedal Throttle Distance							X				
Total Service Brake Distance		X						X			
Total Top Gear Distance							X				
Total Coast Distance		X						X			
Total AESC Mode 1 Engine Hours							X				
Total AESC Mode 2 Engine Hours		X						X			

Program Parameters	System Type										
	MaxxForce N13 SCR 2013-2017	MaxxForce 13 2013 -	MaxxForce DT/9/10 2007-2009	MaxxForce DT/9/10 2010-2012	MaxxForce DT/9/10 2013 -	MaxxForce N9/N10 SCR 2014 -	MaxxForce 11/13 2008-2009	MaxxForce 11/13/15 2010-2012	MaxxForce 7 2007-2009	MaxxForce 7 2010-2013	MaxxForce 5 2007-2009
Total AESC Mode 3 Engine Hours							X				
Total AESC Mode 4 Engine Hours		X						X			
Total AESC Mode 5 Engine Hours				X	X	X	X				
Total AESC Mode 6 Engine Hours				X	X	X	X				
Total AESC Mode 1 Fuel Used							X				
Total AESC Mode 2 Fuel Used	X	X						X			
Total AESC Mode 3 Fuel Used							X				
Total AESC Mode 4 Fuel Used	X	X						X			
Total AESC Mode 5 Fuel Used							X				
Total AESC Mode 6 Fuel Used	X	X						X			
Total Loaded AESC Mobile Fuel Used							X				
Total Loaded AESC Stationary Fuel Used	X	X						X			
Total Coast Fuel Used				X	X	X			X		X
Total Cruise Control Fuel Used							X				
Total Gear Down Fuel Used		X						X			
Total Full Pedal Throttle Fuel Used										X	
Total Top Gear Fuel Used				X	X	X			X		X
Total Coast Time							X				
Total Engine Brake Time										X	
Total Gear Down Time		X						X			
Total Full Pedal Throttle Time				X	X	X			X		X

Program Parameters	System Type										
	MaxxForce N13 SCR 2013-2017	MaxxForce 13 2013 -	MaxxForce DT/9/10 2007-2009	MaxxForce DT/9/10 2010-2012	MaxxForce DT/9/10 2013 -	MaxxForce N9/N10 SCR 2014 -	MaxxForce 11/13 2008-2009	MaxxForce 11/13/15 2010-2012	MaxxForce 7 2007-2009	MaxxForce 7 2010-2013	MaxxForce 5 2007-2009
Total Service Brake Time							X				
Total Top Gear Time		X						X			
Total Loaded AESC Mobile Time				X	X	X			X		X
Total Loaded AESC Stationary Time							X				
Total AESC Stationary Fuel Used		X						X			
Total AESC Mobile Time				X	X	X			X		X
Total AESC Stationary Time							X				
Total Drive Fuel Used		X						X			
Total Drive Time				X	X	X			X		X
Total Full Load Operation Time							X				
Total Engine Protection Shutdown Manual Override		X						X			
Total Time of Low Battery Voltage at Level 1									X		X
Total Time of Low Battery Voltage At Level 2							X				
Total Number of Parked Regens	X	X						X			
Total Number of Rolling Regens			X	X	X	X			X		X
Total Number of Inhibited Regens							X				
Total Average Engine Load Accumulator	X	X						X			
Total Average Engine Speed			X	X	X	X			X		X
Total Engine Brake Activations							X				
Total Service Brake Activations	X	X						X			
Total Maximum Engine Speed			X	X	X	X			X		X

Program Parameters	System Type										
	MaxxForce N13 SCR 2013-2017	MaxxForce 13 2013 -	MaxxForce DT/9/10 2007-2009	MaxxForce DT/9/10 2010-2012	MaxxForce DT/9/10 2013 -	MaxxForce N9/N10 SCR 2014 -	MaxxForce 11/13 2008-2009	MaxxForce 11/13/15 2010-2012	MaxxForce 7 2007-2009	MaxxForce 7 2010-2013	MaxxForce 5 2007-2009
Total Number of Trip Resets							X				
AESC Mode 4 Trip Fuel Used	X	X						X			
AESC Mode 5 Trip Fuel Used			X	X	X	X			X		X
AESC Mode 6 Trip Fuel Used							X				
Trip Average Engine Load	X	X						X			
Trip Average Engine Speed										X	
Trip Maximum Engine Speed			X	X	X	X			X		X
Trip Fan On Time							X				
Trip Fan Time Due to Air Conditioning Pressure Switch	X	X						X			
Trip Fan Time Due to Engine Conditions										X	
Trip Fan Time Due to Fan CAN request and external demand							X				
Trip Fan Time Without Vehicle Speed	X	X						X			
Trip Fan Load Operation Time										X	
Trip Engine On Time in AESC							X				
Trip Engine Protection Derate Time	X	X						X			
Trip Loaded AESC Stationary Fuel Used							X				
Trip Loaded AESC Stationary Time	X	X						X			
Trip Key Switch Cycles							X				
Trip Number of Idle Shutdown Overrides	X	X						X			

Program Parameters	System Type										
	MaxxForce N13 SCR 2013-2017	MaxxForce 13 2013 -	MaxxForce DT/9/10 2007-2009	MaxxForce DT/9/10 2010-2012	MaxxForce DT/9/10 2013 -	MaxxForce N9/N10 SCR 2014 -	MaxxForce 11/13 2008-2009	MaxxForce 11/13/15 2010-2012	MaxxForce 7 2007-2009	MaxxForce 7 2010-2013	MaxxForce 5 2007-2009
ECM trip Time							X				
Engine Trip Time	X	X						X			
Trip Engine Protection Shutdown Manual Override							X				
AESC Mode 4 Trip Engine Hours							X				
AESC Mode 5 Trip Engine Hours							X				
AESC Mode 6 Trip Engine Hours							X				
Trip Number of Parked Regens							X				
Trip Number of Rolling Regens							X				
Trip Number of Inhibited Regens							X				
Trip Coast Distance	X	X						X			
Trip Cruise Control Distance										X	
Trip Driver Rewards 1 Distance	X	X						X			
Trip Driver Rewards 2 Distance	X	X						X			
Trip Driver Rewards 3 Distance	X	X						X			
Trip Driver Rewards 4 Distance	X	X						X			
Trip Engine Brake Distance	X	X						X			
Trip Gear Down Distance	X	X						X			
Trip Full Pedal Throttle Distance	X	X						X			
Trip Service Brake Distance	X	X						X			
Trip Top Gear Distance	X	X						X			
Trip Loaded AESC Mobile Distance	X	X						X			
Trip ECM Distance										X	
Trip Vehicle Overspeed 1 Distance	X	X						X			

Program Parameters	System Type										
	MaxxForce N13 SCR 2013-2017	MaxxForce 13 2013 -	MaxxForce DT/9/10 2007-2009	MaxxForce DT/9/10 2010-2012	MaxxForce DT/9/10 2013 -	MaxxForce N9/N10 SCR 2014 -	MaxxForce 11/13 2008-2009	MaxxForce 11/13/15 2010-2012	MaxxForce 7 2007-2009	MaxxForce 7 2010-2013	MaxxForce 5 2007-2009
Trip Vehicle Overspeed 2 Distance										X	
Trip Coast Fuel Used	X	X						X			
Trip Cruise Control Fuel Used										X	
Trip Driver Rewards 1 Fuel Used	X	X						X			
Trip Driver Rewards 2 Fuel Used										X	
Trip Driver Rewards 3 Fuel Used	X	X						X			
Trip Driver Rewards 4 Fuel Used										X	
Trip Gear Down Fuel Used	X	X						X			
Trip Full Pedal Throttle fuel Used										X	
Trip Top Gear Fuel Used	X	X						X			
Trip Vehicle Overspeed 1 Fuel Used										X	
Trip Vehicle Overspeed 2 Fuel Used		X						X			
Trip Drive Fuel Used										X	
Trip Loaded AESC Drive Fuel Used		X						X			
Trip Coast Time										X	
Trip Cruise Control Time	X	X						X			
Trip Driver Rewards 1 Time										X	
Trip Driver Rewards 2 Time	X	X						X			
Trip Driver Rewards 3 Time	X	X						X			
Trip Driver Rewards 4 Time							X				
Trip Engine Brake Time	X	X						X			
Trip Fan Time With Vehicle Speed							X				

Program Parameters	System Type										
	MaxxForce N13 SCR 2013-2017	MaxxForce 13 2013 -	MaxxForce DT/9/10 2007-2009	MaxxForce DT/9/10 2010-2012	MaxxForce DT/9/10 2013 -	MaxxForce N9/N10 SCR 2014 -	MaxxForce 11/13 2008-2009	MaxxForce 11/13/15 2010-2012	MaxxForce 7 2007-2009	MaxxForce 7 2010-2013	MaxxForce 5 2007-2009
Trip Gear Down Time	X	X						X			
Trip Full Pedal Throttle Time							X				
Trip Service Brake Time		X						X			
Trip Top Gear Time							X				
Trip Vehicle Overspeed 1 Time		X						X			
Trip Vehicle Overspeed 2 Time							X				
Trip Loaded AESC Mobile Time		X						X			
Trip Drive Time							X				
Trip Engine Brake Activations		X						X			
Trip Number of Maximum Accelerations with Vehicle Speed							X				
Trip Maximum Vehicle Speed							X				
Trip Out of Gear Coasts							X				
Trip Service Brake Activations			X	X	X	X			X		
Trip AESC Mobile Distance											X
Trip Drive Average Fuel Economy			X	X	X	X			X		
Total Drive Fuel Economy											X
Engine Overspeed Count											
Total Number of Completed Regenerations			X	X	X	X			X	X	
Total Number of Incomplete Regenerations											X
Trip Engine Brake Percent Time	X	X						X			
Maximum DPF Delta-P			X	X	X	X			X	X	
Trip Maximum DPF Delta-P											X

Program Parameters	System Type										
	MaxxForce N13 SCR 2013-2017	MaxxForce 13 2013 -	MaxxForce DT/9/10 2007-2009	MaxxForce DT/9/10 2010-2012	MaxxForce DT/9/10 2013 -	MaxxForce N9/N10 SCR 2014 -	MaxxForce 11/13 2008-2009	MaxxForce 11/13/15 2010-2012	MaxxForce 7 2007-2009	MaxxForce 7 2010-2013	MaxxForce 5 2007-2009
Total Drive Average Power		X						X			
Trip Average Engine Power	X	X						X			
Trip Average Fuel Rate			X	X	X	X			X	X	
Total Aftertreatment Dosed Fuel											X
Trip Aftertreatment Dosed Fuel	X	X						X			
Total Engine Hours			X	X	X	X			X	X	
Total Miles											X
Number of Turbo Protection Events	X	X						X			
Average time between active regenerations										X	
Number of ECT Faults	X	X						X			
Count for time between active regenerations										X	
Total Minutes Of ECT Faults	X	X						X			
Total Engine Distance										X	
Trip Fuel Used	X	X						X			
Total Idle Time										X	
Total Idle Fuel Used	X	X						X			
Trip Engine On Time										X	
Trip Number of Completed Regenerations	X	X						X			
Trip Number of Incomplete Regenerations										X	
Trip Maximum DPF Soot Load		X						X			
Trip Regeneration Time										X	
Total Cold Ambient Operation Time		X						X			

Program Parameters	System Type										
	MaxxForce N13 SCR 2013-2017	MaxxForce 13 2013 -	MaxxForce DT/9/10 2007-2009	MaxxForce DT/9/10 2010-2012	MaxxForce DT/9/10 2013 -	MaxxForce N9/N10 SCR 2014 -	MaxxForce 11/13 2008-2009	MaxxForce 11/13/15 2010-2012	MaxxForce 7 2007-2009	MaxxForce 7 2010-2013	MaxxForce 5 2007-2009
Total Turbocharger Protection Operation Time										X	
Total OFR Operation Mode Time	X	X						X			
Total Engine Overheat Protection Time 1										X	
Total Engine Overheat Protection Time 2	X	X						X			
Number of Coolant System Faults			X	X	X	X	X		X	X	X
Total Number Of Engine Revolutions			X	X	X	X	X		X	X	X
Total Engine On Time at Extended Idle			X	X	X	X	X		X	X	X
Total Minutes of EOT Faults			X	X	X	X	X		X	X	X
Total Auto Start-Stop Time			X	X	X	X	X		X	X	X
Trip Number of Auto Start-Stop Actuations			X	X	X	X	X		X	X	X
Drive cycle counter			X	X	X	X	X		X	X	X
Trip Engine Torque Accumulator			X	X	X	X	X		X	X	X
Trip Fuel Economy			X	X	X	X	X		X	X	X
Engine Speed Fault 1 Engine Hours			X	X	X	X	X		X	X	X
Engine Speed Fault 2 Engine Hours			X	X	X	X	X		X	X	X
Engine Oil Pressure Fault 1 Engine Hours			X	X	X	X	X		X	X	X
Engine Oil Pressure Fault 2 Engine Hours			X	X	X	X	X		X	X	X

Program Parameters	System Type										
	MaxxForce N13 SCR 2013-2017	MaxxForce 13 2013 -	MaxxForce DT/9/10 2007-2009	MaxxForce DT/9/10 2010-2012	MaxxForce DT/9/10 2013 -	MaxxForce N9/N10 SCR 2014 -	MaxxForce 11/13 2008-2009	MaxxForce 11/13/15 2010-2012	MaxxForce 7 2007-2009	MaxxForce 7 2010-2013	MaxxForce 5 2007-2009
Engine Coolant Temperature Fault 1 Engine Hours			X	X	X	X	X		X	X	X
Engine Coolant Temperature Fault 2 Engine Hours			X	X	X	X			X	X	X
Engine Coolant Level Fault 1 Engine Hours			X	X	X	X			X	X	X
Engine Coolant Level Fault 2 Engine Hours			X	X	X	X			X	X	x
Engine Speed Fault 1 Total Miles			X	X	X	X			X	X	X
Engine Speed Fault 2 Total Miles			X	X	X	X			X		
Engine Oil Pressure Fault 1 Total Miles											X
Engine Oil Pressure Fault 2 Total Miles			X	X	X	X			X		
Engine Oil Pressure Fault 2 Total Miles											X
Engine Coolant Temperature Fault 1 Total Miles			X	X	X	X			X		
Engine Coolant Temperature Fault 2 Total Miles											X
Engine Coolant Level Fault 1 Total Miles			X	X	X	X			X		X
Engine Coolant Level Fault 2 Total Miles										X	
Engine Oil Temperature Fault 1 Engine Hours										X	
Total Hours of EOT Fault 1										X	

Program Parameters	System Type										
	MaxxForce N13 SCR 2013-2017	MaxxForce 13 2013 -	MaxxForce DT/9/10 2007-2009	MaxxForce DT/9/10 2010-2012	MaxxForce DT/9/10 2013 -	MaxxForce N9/N10 SCR 2014 -	MaxxForce 11/13 2008-2009	MaxxForce 11/13/15 2010-2012	MaxxForce 7 2007-2009	MaxxForce 7 2010-2013	MaxxForce 5 2007-2009
Engine Oil Temperature Fault 2 Engine Hours										X	
Total Hours of EOT Fault 2										X	
Engine Oil Temperature Fault 1 Total Miles										X	
Total Miles EOT Fault 1										X	
Engine Oil Temperature Fault 2 Total Miles										X	
Total Miles EOT Fault 2										X	
Coolant System Fault 1 Engine Hours										X	
Coolant System Fault 2 Engine Hours										X	
Total Hours Coolant System Fault 2										X	
Coolant System Fault 1 Total Miles										X	
Total Miles Coolant System Fault 1										X	
Coolant System Fault 2 Total Miles										X	
Total Miles Coolant System Fault 2										X	
Engine Oil Pressure Warning Fault 1 Engine Hours										X	
Engine Oil Pressure Warning Fault 2 Engine Hours										X	
Engine Coolant Temperature Warning Fault Engine Hour 1										X	

Program Parameters	System Type										
	MaxxForce N13 SCR 2013-2017	MaxxForce 13 2013 -	MaxxForce DT/9/10 2007-2009	MaxxForce DT/9/10 2010-2012	MaxxForce DT/9/10 2013 -	MaxxForce N9/N10 SCR 2014 -	MaxxForce 11/13 2008-2009	MaxxForce 11/13/15 2010-2012	MaxxForce 7 2007-2009	MaxxForce 7 2010-2013	MaxxForce 5 2007-2009
Engine Coolant Temperature Warning Fault Engine Hour 2										X	
Engine Oil Pressure Warning Fault 1 Total Miles										X	
Engine Oil Pressure Warning Fault 2 Total Miles										X	
Engine Oil Temperature Warning Fault 1 Engine Hour										X	
Engine Oil Temperature Warning Fault 2 Engine Hour										X	
Engine Oil Temperature Warning Fault 1 Total Miles										X	
Engine Oil Temperature Warning Fault 2 Total Miles										X	
Change Oil Service Interval Fault 1 Engine Hour										X	
Change Oil Service Interval Fault 1 Total Miles										X	
Change Oil Service Interval Manual Reset Fault 1 Engine Hour										X	
Change Oil Service Interval Manual Reset Fault 1 Total Miles										X	
Change Oil Service Interval EST Reset Fault 1 Engine Hour										X	
Change Oil Service Interval EST Reset Fault 1 Total Miles										X	

Program Parameters	System Type										
	MaxxForce N13 SCR 2013-2017	MaxxForce 13 2013 -	MaxxForce DT/9/10 2007-2009	MaxxForce DT/9/10 2010-2012	MaxxForce DT/9/10 2013 -	MaxxForce N9/N10 SCR 2014 -	MaxxForce 11/13 2008-2009	MaxxForce 11/13/15 2010-2012	MaxxForce 7 2007-2009	MaxxForce 7 2010-2013	MaxxForce 5 2007-2009
MAFT Test Complete 1 Total Hours										X	
MAFT Test Complete 2 Total Hours										X	
MAFT Test Complete 1 Total Miles										X	
MAFT Test Complete 2 Total Miles										X	
ECT Warning 1 Total Miles										X	
ECT Warning 2 Total Miles										X	
EFT Critical Fault 1 Total Hour										X	
EFT Critical Fault 2 Total Hour										X	
EFT Critical Fault 1 Total Miles										X	
EFT Critical Fault 2 Total Miles										X	
EFT Warning Fault 1 Total Hour										X	
EFT Warning Fault 2 Total Hour										X	
EFT Warning Fault 1 Total Miles										X	
Turbocharger Compressor Out Temperature Above Warning Limit Fault Total Time	X	X	X	X	X	X	X	X	X	X	X
Turbocharger Compressor Out Temperature Above Critical Limit Fault Total Time	X	X					X	X			
Over Boost Fault Total Time			X	X	X	X	X		X	X	X
Exhaust Gas Temperature Above Warning Limit Total Time	X	X	X	X	X	X	X	X	X	X	X
Exhaust Gas Temperature Above Critical Limit Total Time	X	X	X	X	X	X	X	X	X	X	X

Program Parameters	System Type										
	MaxxForce N13 SCR 2013-2017	MaxxForce 13 2013 -	MaxxForce DT/9/10 2007-2009	MaxxForce DT/9/10 2010-2012	MaxxForce DT/9/10 2013 -	MaxxForce N9/N10 SCR 2014 -	MaxxForce 11/13 2008-2009	MaxxForce 11/13/15 2010-2012	MaxxForce 7 2007-2009	MaxxForce 7 2010-2013	MaxxForce 5 2007-2009
Exhaust Gas Temperature Above Critical Limit Total Distance	X	X						X			
OFR State Active Total Distance			X	X	X	X			X		X
EGR Cooler Out Temperature Based EGR Protection Active Total Time							X				
EGR Cooler Out Temperature Based EGR Protection Active Total Distance	X	X						X			
IAT derate event log total hour 2										X	
Change Breather Service Interval Manual Reset event log engine hour			X	X	X	X			X		X
Change Breather Service Interval Manual reset event log miles										X	
Change Breather Service Interval EST reset event log miles			X	X	X	X			X	X	X
Engine crankcase pressure warning fault event log engine hour 1		X					X	X			
Engine crankcase pressure warning fault event log engine hour 2										X	
Engine crankcase pressure warning fault event log miles 1	X	X					X	X			
Engine crankcase pressure warning fault event log miles 2							X				

Program Parameters	System Type										
	MaxxForce N13 SCR 2013-2017	MaxxForce 13 2013 -	MaxxForce DT/9/10 2007-2009	MaxxForce DT/9/10 2010-2012	MaxxForce DT/9/10 2013 -	MaxxForce N9/N10 SCR 2014 -	MaxxForce 11/13 2008-2009	MaxxForce 11/13/15 2010-2012	MaxxForce 7 2007-2009	MaxxForce 7 2010-2013	MaxxForce 5 2007-2009
Vehicle Identification Number	X	X						X		X	
Perkins Engine Serial Number				X	X	X			X	X	X
Vehicle Model							X				
Total Tattletales	X									X	
Customer Password		X						X		X	
Engine Serial Number	X	X					X	X			
Customer Reference Number							X				
Vehicle Speed Signal Mode	X	X				X	X	X			
Vehicle Speed Select Mode	X										
Driveline Disengaged Mode	X										
Brake Signal Processing Mode	X					X					
Vehicle Speed Output Enable			X	X	X	X			X	X	X
Hard Brake Incident Monitor Enable							X				
Hard Brake Decel Rate Threshold	X	X						X			
Tachometer Output Enable			X	X	X	X	X		X		X
Stand Alone Real Time Clock Source Address			X	X	X	X			X	X	X
Speed Control Command Switches Mode							X				
Smart Torque Enable	X	X						X			
Transfer Case Input Mode Select			X	X	X	X			X	X	X
Stand Alone Real Time Clock Enable							X				
Multi Torque Top Gear Minus 1 Ratio	X	X						X			

Program Parameters	System Type										
	MaxxForce N13 SCR 2013-2017	MaxxForce 13 2013 -	MaxxForce DT/9/10 2007-2009	MaxxForce DT/9/10 2010-2012	MaxxForce DT/9/10 2013 -	MaxxForce N9/N10 SCR 2014 -	MaxxForce 11/13 2008-2009	MaxxForce 11/13/15 2010-2012	MaxxForce 7 2007-2009	MaxxForce 7 2010-2013	MaxxForce 5 2007-2009
Multi Torque Top Gear Minus 2 Ratio							X				
Remote Accelerator Enable Switch		X						X			
Minimum Gear Number to Enable Extra Torque							X				
Firm Brake Deceleration Rate Threshold		X						X			
Fuel Level Signal Processing Mode Select							X				
Smart Torque Enable		X						X			
Particulate Matter Sensor Enable	X	X					X	X			
Brake Throttle Override Mode							X				
Neutral Coast Control		X						X			
TP Prog CAN Baud Rate							X				
Off-Idle Misfire Monitor		X						X			
Thermostat Cooldown Monitor							X				
Engine Fan Control Mode		X					X	X			
Air Conditioner Demand Input		X					X	X			
Fan On Temperature for Engine Cooling Control	X	X		X	X	X	X	X			
Fan Off Temperature for Engine Cooling Control		X		X	X	X		X			
Engine Fan Control On Duty			X	X	X	X	X		X	X	X
Engine Fan Control Off Duty			X	X	X	X			X	X	X
Engine Fan Shut-Down Time Delay							X				

Program Parameters	System Type										
	MaxxForce N13 SCR 2013-2017	MaxxForce 13 2013 -	MaxxForce DT/9/10 2007-2009	MaxxForce DT/9/10 2010-2012	MaxxForce DT/9/10 2013 -	MaxxForce N9/N10 SCR 2014 -	MaxxForce 11/13 2008-2009	MaxxForce 11/13/15 2010-2012	MaxxForce 7 2007-2009	MaxxForce 7 2010-2013	MaxxForce 5 2007-2009
Force Fan On With AESC Active			X	X	X	X			X	X	X
Variable speed operation maximum engine speed							X				
Variable speed operation minimum engine speed			X	X	X	X	X		X	X	X
Maximum safe fan speed (high speed lockout)		X						X			
Sheave ratio (fraction)			X	X	X	X	X		X		X
Enable the fan on with engine braking feature			X	X	X	X	X		X		X
Modulation period for engine fan control duty										X	
Engine Speed at which Fan de- activates with Engine Brake in Level 3							X				
Total Time Fan Duty Cycle Protection is enabled							X				
Extended Fan On Time During Fan Duty Cycle Protection							X				
Radiator Shutter Enable							X				
Radiator Shutter Open Temperature	X	X	X	X	X	X	X	X	X	X	X
Radiator Shutter Closed Temperature	X	X	X	X	X	X	X	X	X	X	X
Coolant Tank Selection			X	X	X	X	X		X	X	X
Hydraulic Pressure Governor Enable	X	X	X	X	X	X	X	X	X		X

Program Parameters	System Type										
	MaxxForce N13 SCR 2013-2017	MaxxForce 13 2013 -	MaxxForce DT/9/10 2007-2009	MaxxForce DT/9/10 2010-2012	MaxxForce DT/9/10 2013 -	MaxxForce N9/N10 SCR 2014 -	MaxxForce 11/13 2008-2009	MaxxForce 11/13/15 2010-2012	MaxxForce 7 2007-2009	MaxxForce 7 2010-2013	MaxxForce 5 2007-2009
Driveline Status for Hydraulic Pressure Governor			X	X	X	X	X		X	X	X
Hydraulic Pressure Governor Mode Indicator Enable	X	X						X		X	
Hydraulic Pressure Ramp Rate			X	X	X	X	X		X		X
Hydraulic Pressure Governor Integral Gain Offset	X	X						X			
Hydraulic Pressure Governor Proportional Gain Offset	X	X	X	X	X	X	X	X	X	X	X
Hydraulic Pressure Governor Cavitation Operation Time			X	X	X	X	X		X	X	X
Vehicle Speed Source Selection When Split Shaft is Active	X	X						X			
Cold Ambient Protection Enable	X	X	X	X	X	X	X	X	X	X	X
Disable CAP when AESC is enabled			X	X	X	X	X		X	X	X
Service Interval Mode	X	X	X	X	X	X	X	X	X	X	X
Fuel Used Service Interval	X	X	X	X	X	X	X	X	X	X	X
Engine Hour Service Interval	X	X	X	X	X	X	X	X	X	X	X
Vehicle Distance Starting Value	X	X		X	X	X		X	X	X	X
Service Soon Percent	X	X						X		X	
Change Oil Lamp Always On	X	X						X		X	
Change Oil Lamp Activation Time	X	X						X		X	
Service Interval Reset Request										X	
CDPF Fuel Used Service Interval										X	

Program Parameters	System Type										
	MaxxForce N13 SCR 2013-2017	MaxxForce 13 2013 -	MaxxForce DT/9/10 2007-2009	MaxxForce DT/9/10 2010-2012	MaxxForce DT/9/10 2013 -	MaxxForce N9/N10 SCR 2014 -	MaxxForce 11/13 2008-2009	MaxxForce 11/13/15 2010-2012	MaxxForce 7 2007-2009	MaxxForce 7 2010-2013	MaxxForce 5 2007-2009
CDPF Engine Hour Service Interval										X	
CDPF Vehicle Distance Service Interval										X	
CDPF Fuel Used Starting Value										X	
CDPF Engine Hour Starting Value										X	
CDPF Vehicle Distance Starting Value										X	
CDPF Reset Request										X	
Aftertreatment Reset Request										X	
FRP relief valve timer						X				X	
Change Oil Service Interval Average MPH	X										
Crankshaft Position Learning Reset Request						X					
Change Oil Service Interval Average Fuel Used						X					
Learned Injector Values			X	X	X	X			X		X
Change Oil Service Interval engine hour based engine oil life							X				
Change Breather Service Interval Reset Request							X				
Engine Hour Breather Service Interval										X	
Breather Service Soon Percent										X	
Change Breather Lamp Activation Time		X	X	X	X	X	X	X	X		X

Program Parameters	System Type										
	MaxxForce N13 SCR 2013-2017	MaxxForce 13 2013 -	MaxxForce DT/9/10 2007-2009	MaxxForce DT/9/10 2010-2012	MaxxForce DT/9/10 2013 -	MaxxForce N9/N10 SCR 2014 -	MaxxForce 11/13 2008-2009	MaxxForce 11/13/15 2010-2012	MaxxForce 7 2007-2009	MaxxForce 7 2010-2013	MaxxForce 5 2007-2009
Change Breather Service Interval Average Speed		X	X	X	X	X	X	X	X		X
Change Breather Service Interval Average Fuel Used			X	X	X	X	X		X		X
Change Breather Service Interval Vehicle Distance based Breather Life		X						X			
Change Breather Service Interval Engine Hour based Breather Life			X	X	X	X	X		X		X
Fuel Used Change Oil Service Interval		X						X			
Engine Hour Change Oil Service Interval			X	X	X	X	X		X		X
Vehicle Distance Change Oil Service Interval		X						X			
SCR Faults Reset Request		X						X			
Low Engine Coolant Level Repeat Occurrence		X						X			
Hydrocarbon Injector Reset Request				X	X	X					
Allison Transmission Shift Schedule			X	X	X	X					
Distance Traveled while Inducement is Active	X	X						X			
Traction Control Enable	X	X		X	X	X		X			
Application Expected Electrical Level	X	X		X	X	X		X			

Program Parameters	System Type										
	MaxxForce N13 SCR 2013-2017	MaxxForce 13 2013 -	MaxxForce DT/9/10 2007-2009	MaxxForce DT/9/10 2010-2012	MaxxForce DT/9/10 2013 -	MaxxForce N9/N10 SCR 2014 -	MaxxForce 11/13 2008-2009	MaxxForce 11/13/15 2010-2012	MaxxForce 7 2007-2009	MaxxForce 7 2010-2013	MaxxForce 5 2007-2009
Variable Nozzle Turbine Turbo Enable	X	X		X	X	X		X			
Exhaust Gas Recirculation Enable	X	X						X			
EGRP closed position reference reset request	X	X						X			
EGRP closed position reference	X	X						X			
Fuel Quantity Governor Mode Enable	X	X						X			
Cylinder Balancing Enable	X	X						X			
Enable stationary regeneration feature	X	X						X			
Enable inhibit regeneration feature	X	X						X			
Maximum Vehicle Speed at which Stationary Regen can be enabled	X	X						X			
Maximum Vehicle Speed at which Regen Inhibit can be enabled	X	X						X		X	
Minimum Vehicle Speed at which Normal Regen can be enabled	X	X						X			
Temperature Above Which High Exhaust Temperature Lamp Is Illuminated	X	X						X			
Temperature Below Which High Exhaust Temperature Lamp Is Extinguished	X	X						X			
MAF Configuration Selection	X	X						X			

Program Parameters	System Type										
	MaxxForce N13 SCR 2013-2017	MaxxForce 13 2013 -	MaxxForce DT/9/10 2007-2009	MaxxForce DT/9/10 2010-2012	MaxxForce DT/9/10 2013 -	MaxxForce N9/N10 SCR 2014 -	MaxxForce 11/13 2008-2009	MaxxForce 11/13/15 2010-2012	MaxxForce 7 2007-2009	MaxxForce 7 2010-2013	MaxxForce 5 2007-2009
Enable Severe De-rate When DPF Overloaded	X	X						X			
Lambda Sensor Adaptation Status	X	X						X			
MAF Learned Reset	X	X						X			
Lambda sensor adaptation value	X	X						X			
Heat Generation Mode Enable										X	
Enable hardwired wait to start lamp diagnostics	X	X						X			
Purging Fuel Quantity Factor				X	X	X					
Enable hardwired MIL diagnostics										X	
Exhaust Configuration	X	X						X			
Enable hardwired red stop lamp diagnostics				X	X	X					
Enable hardwired amber warning lamp diagnostics										X	
Enable hardwired water in fuel lamp diagnostics	X	X						X			
Two Speed Axle Input Selection	X	X						X			
Parking Brake Switch Input Selection				X	X	X				X	
Brake Pedal Switch Input Selection	X	X						X			
Clutch Pedal Switch Input Selection		X						X			

Program Parameters	System Type										
	MaxxForce N13 SCR 2013-2017	MaxxForce 13 2013 -	MaxxForce DT/9/10 2007-2009	MaxxForce DT/9/10 2010-2012	MaxxForce DT/9/10 2013 -	MaxxForce N9/N10 SCR 2014 -	MaxxForce 11/13 2008-2009	MaxxForce 11/13/15 2010-2012	MaxxForce 7 2007-2009	MaxxForce 7 2010-2013	MaxxForce 5 2007-2009
Cruise Control/AESC On/Off Switch Input Selection		X						X			
Cruise Control Set/Coast Switch Input Selection										X	
Cruise Control Resume/Accelerate Switch Input Selection		X						X			
Remote Accelerator Switch Input Selection										X	
TCBC Signal Processing Mode		X						X			
Engine Brake Switch 1 Input Selection	X	X						X			
Auxiliary Engine Shutdown Switch Input Selection		X						X			
Remote AESC Programmed Speed Switch Input Selection		X						X			
Remote AESC Variable Speed Switch Input Selection				X	X	X			X	X	
Air Conditioner Pressure Switch Input Selection										X	
Remote Accelerator Pedal Input Selection	X	X						X			
Injection Quantity Adjustment - Injector 1 (Physical Cylinder 1)	X	X						X			
Injection Quantity Adjustment - Injector 2 (Physical Cylinder 2)	X	X						X			
Injection Quantity Adjustment - Injector 3 (Physical Cylinder 3)	X	X						X			

Program Parameters	System Type										
	MaxxForce N13 SCR 2013-2017	MaxxForce 13 2013 -	MaxxForce DT/9/10 2007-2009	MaxxForce DT/9/10 2010-2012	MaxxForce DT/9/10 2013 -	MaxxForce N9/N10 SCR 2014 -	MaxxForce 11/13 2008-2009	MaxxForce 11/13/15 2010-2012	MaxxForce 7 2007-2009	MaxxForce 7 2010-2013	MaxxForce 5 2007-2009
MAFT Co-efficient A1	X										
Injection Quantity Adjustment - Injector 4 (Physical Cylinder 4)	X										
MAFT Co-efficient B1	X					X					
Injection Quantity Adjustment - Injector 5 (Physical Cylinder 5)	X										

Calibrations: Cummins and CAT Engines Rebranded for Navistar Distribution

Note: In the following tables the **red X** indicates that the parameter is dependent on the version of the software loaded on the vehicle.

As a result, the parameter may, or may not, be available.

Program Parameters	System Type						
	Cummins 6.7L "ECM=CM235"	Cummins 15.0L "ECM=CM2350, CM2250"	CAT CT 11/13 2010 - 2012	CAT CT15	CAT CT 13 SCR 2013 - 2014	CAT CT 13 SCR 2015 -	CAT CT 13 2013
Maximum Vehicle Speed			X	X	X	X	X
Rear Axle Ratio 2			X	X	X	X	X
Tire Revolution per meter			X	X	X	X	X
PRV valve open duration			X	X	X	X	X
Rear Axle Ratio 2 - High Gear			X	X	X	X	X
Total AFT Regen requested by distance based since last regen			X	X	X	X	X
Maximum Vehicle Speed			X	X	X	X	X
Rear Axle Ratio 2 - Low Gear			X	X	X	X	X
Operating time of the engine			X	X	X	X	X
Air conditioning Actuator			X	X	X	X	X
Low-idle governor setpoint			X	X	X	X	X
ZFC adjustment values			X	X	X	X	X
Number of times of PRV opened			X	X	X	X	X
Idle Shutdown Timer (Engine Stop)			X	X	X	X	X
Cold Ambient Protection Switch			X	X	X	X	X
Duration of PRV opened			X	X	X	X	X
Total distance counter			X	X	X	X	X
Maximum overspeed fault recorded			X	X	X	X	X
Engine Hours at Coolant Level Fault 1			X	X	X	X	X
Fuel Economy factor			X	X	X	X	X
Number of times PRV opened			X	X	X	X	X

Program Parameters	System Type						
	Cummins 6.7L "ECM=CM235"	Cummins 15.0L "ECM=CM2350, CM2250"	CAT CT 11/13 2010 - 2012	CAT CT15	CAT CT 13 SCR 2013 - 2014	CAT CT 13 SCR 2015 -	CAT CT 13 2013
ECM operating time			X	X	X	X	X
PTO Switch - Enable/Disable			X	X	X	X	X
Tire Revolutions Per Meter			X	X	X	X	X
Idle Shutdown Switch			X	X	X	X	X
Shop Code			X	X	X	X	X
Maximum ambient temperature threshold			X	X	X	X	X
Minimum ambient temperature threshold			X	X	X	X	X
PRV valve number of times open			X	X	X	X	X
Torque Limiting factor for Gear group 1			X	X	X	X	X
Torque Limiting factor for Gear group 2			X	X	X	X	X
Torque Limiting factor for Gear group 5			X	X			X
Programming Date			X	X			X
Mode 3: Time factor for coking accumulation			X	X			X
AFT Filter DeGreening Enable			X	X			X
AFT Filter DeGreening Extension2 Enable			X	X			X
AFT Filter DeGreening Extension2 User Selectable			X	X			X
AFT Filter DeGreening User Selectable			X	X	X	X	X
AFT Filter Installation User Selectable			X	X	X	X	X
Aftertreatment Dosing User Selectable			X	X	X	X	X
Aftertreatment Fuel Pressure Sensor User Selectable			X	X	X	X	X
Aftertreatment History Extension Enable			X	X	X	X	X
Aftertreatment History User_ Selectable			X	X	X	X	X
Fuel Pressure Limiting Valve Open Event 34 Timestamp			X	X	X	X	X

Program Parameters	System Type						
	Cummins 6.7L "ECM=CM235"	Cummins 15.0L "ECM=CM2350, CM2250"	CAT CT 11/13 2010 - 2012	CAT CT15	CAT CT 13 SCR 2013 - 2014	CAT CT 13 SCR 2015 -	CAT CT 13 2013
Fuel Pressure Limiting Valve Open Event 35 Timestamp			X	X	X	X	X
Fuel Pressure Limiting Valve Open Event 36 Timestamp			X	X	X	X	X
Fuel Pressure Limiting Valve Open Event 37 Timestamp			X	X	X	X	X
Fuel Pressure Limiting Valve Open Event 38 Timestamp			X	X	X	X	X
Fuel Pressure Limiting Valve Open Event 39 Timestamp			X	X	X	X	X
Fuel Pressure Limiting Valve Open Event 40 Timestamp			X	X	X	X	X
Fuel Pressure Limiting Valve Open Event 41 Timestamp			X	X	X	X	X
Fuel Pressure Limiting Valve Open Event 42 Timestamp			X	X	X	X	X
Fuel Pressure Limiting Valve Open Event 43 Timestamp			X	X	X	X	X
Fuel Pressure Limiting Valve Open Event 44 Timestamp			X	X	X	X	X
Fuel Pressure Limiting Valve Open Event 45 Timestamp			X	X	X	X	X
Fuel Pressure Limiting Valve Open Event 46 Timestamp			X	X	X	X	X
Fuel Pressure Limiting Valve Open Event 47 Timestamp			X	X	X	X	X
Fuel Pressure Limiting Valve Open Event 48 Timestamp			X	X	X	X	X
Fuel Pressure Limiting Valve Open Event 49 Timestamp			X	X	X	X	X

Program Parameters	System Type						
	Cummins 6.7L "ECM=CM235"	Cummins 15.0L "ECM=CM2350, CM2250"	CAT CT 11/13 2010 - 2012	CAT CT15	CAT CT 13 SCR 2013 - 2014	CAT CT 13 SCR 2015 -	CAT CT 13 2013
Fuel Pressure Limiting Valve Open Event 50 Timestamp			X	X	X	X	X
Fuel Pressure Limiting Valve Open Event 1 Duration			X	X	X	X	X
Fuel Pressure Limiting Valve Open Event 2 Duration			X	X	X	X	X
Fuel Pressure Limiting Valve Open Event 3 Duration			X	X	X	X	X
Fuel Pressure Limiting Valve Open Event 4 Duration			X	X	X	X	X
Fuel Pressure Limiting Valve Open Event 5 Duration				X	X	X	X
Fuel Pressure Limiting Valve Open Event 6 Duration				X	X	X	X
Fuel Pressure Limiting Valve Open Event 7 Duration				X	X	X	X
Fuel Pressure Limiting Valve Open Event 8 Duration				X	X	X	X
Fuel Pressure Limiting Valve Open Event 9 Duration				X	X	X	X
Fuel Pressure Limiting Valve Open Event 10 Duration				X	X	X	X
Fuel Pressure Limiting Valve Open Event 11 Duration				X	X	X	X
Fuel Pressure Limiting Valve Open Event 12 Duration				X	X	X	X
Fuel Pressure Limiting Valve Open Event 13 Duration				X	X	X	X
Fuel Pressure Limiting Valve Open Event 14 Duration				X	X	X	X

Program Parameters	System Type						
	Cummins 6.7L "ECM=CM235"	Cummins 15.0L "ECM=CM2350, CM2250"	CAT CT 11/13 2010 - 2012	CAT CT15	CAT CT 13 SCR 2013 - 2014	CAT CT 13 SCR 2015 -	CAT CT 13 2013
Fuel Pressure Limiting Valve Open Event 15 Duration				X	X	X	X
Fuel Pressure Limiting Valve Open Event 16 Duration				X	X	X	X
Fuel Pressure Limiting Valve Open Event 17 Duration				X	X	X	X
Fuel Pressure Limiting Valve Open Event 18 Duration				X	X	X	X
Fuel Pressure Limiting Valve Open Event 19 Duration				X	X	X	X
Fuel Pressure Limiting Valve Open Event 20 Duration				X	X	X	X
Fuel Pressure Limiting Valve Open Event 21 Duration				X	X	X	X
Fuel Pressure Limiting Valve Open Event 22 Duration				X	X	X	X
Fuel Pressure Limiting Valve Open Event 23 Duration				X	X	X	X
Fuel Pressure Limiting Valve Open Event 24 Duration				X	X	X	X
Fuel Pressure Limiting Valve Open Event 25 Duration				X	X	X	X
Fuel Pressure Limiting Valve Open Event 26 Duration				X	X	X	X
Fuel Pressure Limiting Valve Open Event 27 Duration				X	X	X	X
Fuel Pressure Limiting Valve Open Event 28 Duration				X	X	X	X
Fuel Pressure Limiting Valve Open Event 29 Duration				X	X	X	X

Program Parameters	System Type						
	Cummins 6.7L "ECM=CM235"	Cummins 15.0L "ECM=CM2350, CM2250"	CAT CT 11/13 2010 - 2012	CAT CT15	CAT CT 13 SCR 2013 - 2014	CAT CT 13 SCR 2015 -	CAT CT 13 2013
Fuel Pressure Limiting Valve Open Event 30 Duration				X	X	X	X
Fuel Pressure Limiting Valve Open Event 31 Duration				X	X	X	X
Fuel Pressure Limiting Valve Open Event 32 Duration				X	X	X	X
Fuel Pressure Limiting Valve Open Event 33 Duration				X	X	X	X
Fuel Pressure Limiting Valve Open Event 34 Duration				X	X	X	X
Fuel Pressure Limiting Valve Open Event 35 Duration				X	X	X	X
Fuel Pressure Limiting Valve Open Event 36 Duration				X	X	X	X
Fuel Pressure Limiting Valve Open Event 37 Duration				X	X	X	X
Fuel Pressure Limiting Valve Open Event 38 Duration				X	X	X	X
Fuel Pressure Limiting Valve Open Event 39 Duration				X	X	X	X
Fuel Pressure Limiting Valve Open Event 40 Duration				X	X	X	X
Fuel Pressure Limiting Valve Open Event 41 Duration				X	X	X	X
Fuel Pressure Limiting Valve Open Event 42 Duration				X	X	X	X
Fuel Pressure Limiting Valve Open Event 43 Duration				X	X	X	X
Fuel Pressure Limiting Valve Open Event 44 Duration				X	X	X	X

Program Parameters	System Type						
	Cummins 6.7L "ECM=CM235"	Cummins 15.0L "ECM=CM2350, CM2250"	CAT CT 11/13 2010 - 2012	CAT CT15	CAT CT 13 SCR 2013 - 2014	CAT CT 13 SCR 2015 -	CAT CT 13 2013
Fuel Pressure Limiting Valve Open Event 45 Duration				X	X	X	X
Fuel Pressure Limiting Valve Open Event 46 Duration				X	X	X	X
Fuel Pressure Limiting Valve Open Event 47 Duration				X	X	X	X
Fuel Pressure Limiting Valve Open Event 48 Duration				X	X	X	X
Fuel Pressure Limiting Valve Open Event 49 Duration				X	X	X	X
Fuel Pressure Limiting Valve Open Event 50 Duration				X	X	X	X
ACM Serial Number				X	X	X	X
ACM Part Number				X	X	X	X
ACM HW Version				X	X	X	X
ACM Last Tool ID - Cal				X	X	X	X
ACM Last Programmed - Cal				X	X	X	X
ACM Last Tool ID - Strat				X	X	X	X
ACM Last Programmed - Strat				X	X	X	X
ACM Last Tool ID - ProgParam				X	X	X	X
ACM HW Major				X	X	X	X
ACM HW Minor				X	X	X	X
ACM Boot Major				X	X	X	X
ACM Boot Minor				X	X	X	X
ACM Module Config Major				X	X	X	X
ACM Module Config Minor				X	X	X	X
ACM Capability				X	X	X	X
ACM Total Tattles				X	X	X	X

Program Parameters	System Type						
	Cummins 6.7L "ECM=CM235"	Cummins 15.0L "ECM=CM2350, CM2250"	CAT CT 11/13 2010 - 2012	CAT CT15	CAT CT 13 SCR 2013 - 2014	CAT CT 13 SCR 2015 -	CAT CT 13 2013
ACM Strategy				X	X	X	X
ACM Calibration				X	X	X	X
ACM Accum RunTime				X	X	X	X
DOC Face Plugging Timer				X	X	X	X
DPF New Filter Distance Threshold				X	X	X	X
DPF New Filter in Field Service				X	X	X	X
DPF New Filter in Plant				X	X	X	X
DPF Soot Distribution Factor				X	X	X	X
DPF Ash Load				X	X	X	X
DPF Ash Accum				X	X	X	X
DPF DeltaP Soot Load Estimate				X	X	X	X
DPF Combined Soot Load Estimate				X	X	X	X
DPF New Filter in Plant Time at Tmptr Threshold				X	X	X	X
Filter Life Number of Regens				X	X	X	X
Filter Life Incomplete Regens				X	X	X	X
Filter Life Complete Regens				X	X	X	X
Filter Life Peak Soot Stage				X	X	X	X
Filter Life Peak DPF DeltaP				X	X	X	X
Filter Life Total Fuel Injected				X	X	X	X
Max Soot Time of Event				X	X	X	X
Max Soot DOC Inlet Temperature				X	X	X	X
Max Soot DOC Outlet Temperature				X	X	X	X
Max Soot DPF Outlet Temperature				X	X	X	X
Max Soot DPF DeltaP				X	X	X	X
Filter Trip Number of Regens				X	X	X	X
Filter Trip Completed Regens				X	X	X	X

Program Parameters	System Type						
	Cummins 6.7L "ECM=CM235"	Cummins 15.0L "ECM=CM2350, CM2250"	CAT CT 11/13 2010 - 2012	CAT CT15	CAT CT 13 SCR 2013 - 2014	CAT CT 13 SCR 2015 -	CAT CT 13 2013
Filter Trip Total Fuel Injected				X	X	X	X
Filter Trip Regen Time				X	X	X	X
History 1 Regen Time Start				X	X	X	X
History 1 Soot Level Start				X	X	X	X
History 1 Soot Level End				X	X	X	X
History 1 DOCinT Start				X	X	X	X
History 1 DOCoutT Max				X	X	X	X
History 1 DPFoutT Max				X	X	X	X
History 1 DPFdeltaP Max			X	X	X	X	X
History 2 Regen Time Start			X	X	X	X	X
History 2 Soot Level Start			X	X	X	X	X
History 2 Soot Level End			X	X	X	X	X
History 2 DOCinT Start			X	X	X	X	X
History 2 DOCoutT Max			X	X	X	X	X
History 2 DPFoutT Max			X	X	X	X	X
History 2 DPFdeltaP Max			X	X	X	X	X
History3 Regen Time Start			X	X	X	X	X
History3 Soot Level Start			X	X	X	X	X
History3 Soot Level End			X	X	X	X	X
History3 DOCinT Start			X	X	X	X	X
History3 DOCoutT Max			X	X	X	X	X
History3 DPFoutT Max			X	X	X	X	X
History3 DPFdeltaP Max			X	X	X	X	X
History4 Regen Time Start			X		X	X	X
History4 Soot Level Start			X	X	X	X	X
History4 Soot Level End			X	X	X	X	X

Program Parameters	System Type						
	Cummins 6.7L "ECM=CM235"	Cummins 15.0L "ECM=CM2350, CM2250"	CAT CT 11/13 2010 - 2012	CAT CT15	CAT CT 13 SCR 2013 - 2014	CAT CT 13 SCR 2015 -	CAT CT 13 2013
History4 DOCinT Start			X	X	X	X	X
History4 DOCoutT Max			X	X	X	X	X
History4 DPFoutT Max			X	X	X	X	X
History4 DPFdeltaP Max			X	X	X	X	X
History5 Regen Time Start			X	X	X	X	X
History5 Soot Level Start			X	X	X	X	X
History5 Soot Level End			X	X	X	X	X
History5 DOCinT Start			X	X	X	X	X
History5 DOCoutT Max			X	X	X	X	X
History5 DPFoutT Max			X	X	X	X	X
History5 DPFdeltaP Max			X	X	X	X	X
Maintenance1 Event Time			X	X	X	X	X
Maintenance1 Event Type			X	X	X	X	X
Maintenance2 Event Time			X	X	X	X	X
Maintenance2 Event Type			X	X	X	X	X
Maintenance3 Event Time			X	X	X	X	X
Maintenance3 Event Type			X	X	X	X	X
Maintenance4 Event Time			X	X	X	X	X
Maintenance4 Event Type			X	X	X	X	X
Maintenance5 Event Time			X	X	X	X	X
Maintenance5 Event Type			X	X	X	X	X
Maintenance6 Event Time			X	X	X	X	X
Maintenance6 Event Type			X	X	X	X	X
Maintenance7 Event Time			X	X	X	X	X
Maintenance7 Event Type			X	X	X	X	X
Maintenance8 Event Time			X	X	X	X	X

Program Parameters	System Type						
	Cummins 6.7L "ECM=CM235"	Cummins 15.0L "ECM=CM2350, CM2250"	CAT CT 11/13 2010 - 2012	CAT CT15	CAT CT 13 SCR 2013 - 2014	CAT CT 13 SCR 2015 -	CAT CT 13 2013
Maintenance8 Event Type			X	X	X	X	X
Maintenance9 Event Time			X	X			X
Maintenance9 Event Type			X	X			X
Maintenance10 Event Time			X	X			X
Maintenance10 Event Type			X	X	X	X	X
Programmable Parameter List Compatibility Level			X	X	X	X	X
Vehicle Personality Module Revision Level			X	X	X	X	X
Engine Controller Module Compatibility Level			X	X	X	X	X
ECM Manufacturing Date			X	X	X	X	X
EIM Manufacturing Date			X	X	X	X	X
Vehicle Personality Module Manufacturing Date			X	X	X	X	X
ECM Serial Number			X	X	X	X	X
EIM Serial Number			X	X	X	X	X
Vehicle Personality Module Serial Number			X	X	X	X	X
ECM Hardware Version			X	X	X	X	X
EIM Hardware Version			X	X	X	X	X
ECM Software Strategy Version			X	X	X	X	X
EIM Software Strategy Version			X	X	X	X	X
ECM Software Calibration Version			X	X	X	X	X
EIM Calibration Version			X	X	X	X	X
EDC Calibration Version			X	X	X	X	X
EIM Customer Unit Number			X	X	X	X	X
EDC Customer Unit Number			X	X	X	X	X
EIM DPF Serial Number			X	X	X	X	X

Program Parameters	System Type						
	Cummins 6.7L "ECM=CM235"	Cummins 15.0L "ECM=CM2350, CM2250"	CAT CT 11/13 2010 - 2012	CAT CT15	CAT CT 13 SCR 2013 - 2014	CAT CT 13 SCR 2015 -	CAT CT 13 2013
DPF Serial Number			X	X	X	X	X
EIM DPF Cleaning and Installation Date			X	X	X	X	X
DPF Cleaning and Installation Date			X	X	X	X	X
EIM DOC Serial Number			X	X	X	X	X
DOC Serial Number			X	X	X	X	X
EIM DOC Installation Date			X	X	X	X	X
Trip Data Reset Date			X	X	X	X	X
CCP Status			X	X	X	X	X
DOC Installation Date			X	X	X	X	X
Programmable Parameter List Validation Checksum			X	X	X	X	X
Programmable Parameter List Validation Checksum			X	X	X	X	X
EIM Programmable Parameter List Validation Checksum			X	X			X
High Priority List Checksum			X	X			X
Software Calibration Validation Checksum			X	X			X
Software Calibration Validation Checksum			X	X	X	X	X
EIM Software Calibration Validation Checksum			X	X	X	X	X
Low Priority List Checksum			X	X	X	X	X
Software Strategy Validation Checksum			X	X	X	X	X
Software Strategy Validation Checksum			X	X	X	X	X
EIM Software Strategy Validation Checksum			X	X	X	X	X
EIM Tattletales List Checksum			X	X	X	X	X
EIM Fault Flags List Checksum			X	X	X	X	X
Calibration software checksum			X	X	X	X	X

Program Parameters	System Type						
	Cummins 6.7L "ECM=CM235"	Cummins 15.0L "ECM=CM2350, CM2250"	CAT CT 11/13 2010 - 2012	CAT CT15	CAT CT 13 SCR 2013 - 2014	CAT CT 13 SCR 2015 -	CAT CT 13 2013
Strategy Software checksum			X	X	X	X	X
Last Customer Service Tool Identification Number Level 1			X	X	X	X	X
Last Customer Service Tool Identification Number Level 2			X	X	X	X	X
Last Software Calibration Programming Tool Identification Number			X	X	X	X	X
Last Software Calibration Programming Date			X	X	X	X	X
Last Software Strategy Programming Tool Identification Number			X	X	X	X	X
Last Software Strategy Programming Date			X	X	X	X	X
Last Service Tool ID - Programmable Parameters			X	X	X	X	X
Last Service Tool ID - Protective Area			X	X	X	X	X
Last Service Tool Date Programmed - Protective Area (Year, Month, Day of Month, Hour)			X	X	X	X	X
Year offset from 1985 stored from the last CAN_TOOL_RESET			X	X	X	X	X
Months stored from the last CAN_TOOL_RESET			X	X	X	X	X
Days stored from the last CAN_TOOL_RESET			X	X	X	X	X
Hours stored from the last CAN_TOOL_RESET			X	X	X	X	X
Minutes stored from the last CAN_TOOL_RESET			X	X	X	X	X
Seconds stored from the CAN_TOOL_RESET			X	X	X	X	X

Program Parameters	System Type						
	Cummins 6.7L "ECM=CM235"	Cummins 15.0L "ECM=CM2350, CM2250"	CAT CT 11/13 2010 - 2012	CAT CT15	CAT CT 13 SCR 2013 - 2014	CAT CT 13 SCR 2015 -	CAT CT 13 2013
Engine Oil Pressure Signal Enable			X	X	X	X	X
Water In Fuel Signal Enable			X	X	X	X	X
Engine Fuel Pressure Signal Enable			X	X	X	X	X
Fuel Delivery Pressure Signal Processing Mode			X	X	X	X	X
Engine Fuel Pressure Signal Enable			X	X	X	X	X
AIT Sensor Availability			X	X	X	X	X
Fuel Cooler Control Mode			X	X	X	X	X
Accelerator Pedal Signal Mode			X	X	X	X	X
Self Test Input Mode			X	X	X	X	X
Fuel Pump Control End of Line Enable			X	X	X	X	X
Engine Crankcase Feature Enable			X	X	X	X	X
Engine Coolant Pressure Signal Enable			X	X	X	X	X
Turbocharger Compressor Outlet Temperature Feature Enable			X	X	X	X	X
Fuel Filter Minder Feature Enable			X	X	X	X	X
Crankcase Breather Speed (CBS) Signal Processing Mode Select			X	X	X	X	X
Vehicle Retarder Control Mode			X	X	X	X	X
Engine Crank Inhibit Run Mode Delay Time			X	X	X	X	X
Idle Shutdown Time - No Park Brake Set			X	X			X
Engine Idle Shutdown Maximum Intake Air Temperature			X	X	X	X	X
Maximum Ambient Temperature Override			X	X			X
Engine Idle Shutdown Minimum Intake Air Temperature			X	X			X
Minimum Ambient Temperature Override			X	X	X	X	X
Idle Shutdown Time with Park Brake Set			X	X	X	X	X

Program Parameters	System Type						
	Cummins 6.7L "ECM=CM235"	Cummins 15.0L "ECM=CM2350, CM2250"	CAT CT 11/13 2010 - 2012	CAT CT15	CAT CT 13 SCR 2013 - 2014	CAT CT 13 SCR 2015 -	CAT CT 13 2013
Smart IST Brake			X	X			X
Minimum Engine ECT for IST			X	X	X	X	X
Maximum Normalized Throttle Position			X	X	X	X	X
Smart IST DDS			X	X	X	X	X
Smart IST Brake			X	X	X	X	X
Smart IST Park Brake			X	X	X	X	X
Greenhouse Gas Idle Shutdown Timer Enable			X	X	X	X	X
Greenhouse Gas Idle Shutdown Timer Enable - IVEST			X	X	X	X	X
Greenhouse Gas Idle Shutdown Timer Budgeted Idle Mode Enable			X	X	X	X	X
Greenhouse Gas Idle Shutdown Timer Budgeted Idle Expiration Limit			X	X	X	X	X
Auxiliary Engine Speed Control - Maximum Engine Speed					X	X	
Auxiliary Engine Speed Control - Disable with Brake			X	X			X
Auxiliary Engine Speed Control - Return to Zero			X	X	X	X	X
Auxiliary Engine Speed Control - Disable ATC With Service Brake			X	X	X	X	X
Auxiliary Engine Speed Control - Preset Engine Speed 3			X	X	X	X	X
Auxiliary Engine Speed Control - Preset Engine Speed 4			X	X	X	X	X
Auxiliary Engine Speed Control - Disable AESC With Driveline Status			X	X	X	X	X

Program Parameters	System Type						
	Cummins 6.7L "ECM=CM235"	Cummins 15.0L "ECM=CM2350, CM2250"	CAT CT 11/13 2010 - 2012	CAT CT15	CAT CT 13 SCR 2013 - 2014	CAT CT 13 SCR 2015 -	CAT CT 13 2013
Auxiliary Engine Speed Control - Preset Engine Speed 5			X	X	X	X	X
Auxiliary Engine Speed Control - Preset Engine Speed 6			X	X	X	X	X
Auxiliary Engine Speed Control - Engine Speed Limit with VSS Fault			X	X	X	X	X
AESC - APS Maximum Engine Speed Override			X	X			X
Auxiliary Engine Speed Control - Engine Speed Throttle Down Ramp Rate			X	X	X	X	X
PTO Preselect Engine Speed Setpoint			X	X	X	X	X
Interrupt DPF Regeneration When AESC Activated			X	X	X	X	X
AESC Disable with Parking Brake			X	X	X	X	X
Select Engine Brake Level in PTO			X	X	X	X	X
AESC low idle high load integral gain			X	X	X	X	X
Cruise Control Mode			X	X	X	X	X
Cruise Control Low Engine RPM Limit			X	X	X	X	X
Cruise Control Vehicle Speed Ramp Rate			X	X	X	X	X
Cruise Control Vehicle Speed Low Limit			X	X			X
Cruise Control Vehicle Speed High Limit			X	X	X	X	X
Cruise Control Under Speed			X	X	X	X	X
Cruise Control Auto-Resume Enable			X	X	X	X	X
Cruise Control Vehicle Speed Memory					X	X	
Cruise Control Recovery after ACC Fault					X	X	
Hardwired Cruise Control Switches Diagnostic Enable					X	X	
Cruise Control Max Droop					X	X	

Program Parameters	System Type						
	Cummins 6.7L "ECM=CM235"	Cummins 15.0L "ECM=CM2350, CM2250"	CAT CT 11/13 2010 - 2012	CAT CT15	CAT CT 13 SCR 2013 - 2014	CAT CT 13 SCR 2015 -	CAT CT 13 2013
Predictive Cruise Control Available			X	X	X	X	X
Predictive Cruise Control Maximum Positive Offset			X	X	X	X	X
Cruise inputs configuration			X	X	X	X	X
Engine Warning & Protection System Mode			X	X	X	X	X
Engine Coolant Warning Temperature			X	X	X	X	X
Engine Coolant Critical Temperature			X	X	X	X	X
Engine Oil Pressure Engine RPM Boundary 1			X	X	X	X	X
Engine Oil Pressure Engine RPM Boundary 2			X	X	X	X	X
Engine Oil Pressure Engine RPM Boundary 3			X	X	X	X	X
Engine Oil Warning Pressure for Region 1			X	X	X	X	X
Engine Oil Warning Pressure for Region 2			X	X	X	X	X
Engine Oil Warning Pressure for Region 3			X	X	X	X	X
Engine Oil Critical Pressure for Region 1			X	X	X	X	X
Engine Oil Critical Pressure for Region 2			X	X	X	X	X
Engine Oil Critical Pressure for Region 3			X	X	X	X	X
Disable Low Inlet Fuel Pressure Detection			X	X	X	X	X
Max Torque in Low Gear Range			X	X	X	X	X
GDP Low Load Vehicle Speed Limit in Top Gear Minus 2			X	X	X	X	X
PTP Low Gear Maximum Torque Enable			X	X	X	X	X
ECT Critical Temperature Sensor 2			X	X	X	X	X
ECT Warning Temperature Sensor 2			X	X	X	X	X
Vehicle Over Speed Level 1			X	X	X	X	X

Program Parameters	System Type						
	Cummins 6.7L "ECM=CM235"	Cummins 15.0L "ECM=CM2350, CM2250"	CAT CT 11/13 2010 - 2012	CAT CT15	CAT CT 13 SCR 2013 - 2014	CAT CT 13 SCR 2015 -	CAT CT 13 2013
Vehicle Over Speed Level 2			X	X			X
Engine Derate Torque Limit Enable			X	X			X
De-rate Maximum Torque Limit			X	X	X	X	X
High Idle While High Load GDP is Active			X	X	X	X	X
Top Gear Minus 1 Gear Ratio			X	X	X	X	X
Gear Down Protection High Idle Limit Enable			X	X	X	X	X
Enable Engine Brake in PTO			X	X			X
Percentage Engine Brake applied when PTO kicks out			X	X	X	X	X
PS Low Gear Engine Speed Limit			X	X	X	X	X
PS Low Gear Engine Speed Range			X	X	X	X	X
PS High Gear Engine Speed Range						X	
PS High Gear Ratio Break Point			X	X			X
Numerically Lowest Gear RATIO of Low Gear Range			X	X	X	X	X
Numerically Lowest Gear RATIO of High Gear Range			X	X	X	X	X
Highest Gear NUMBER of High Gear Range - Auto						X	
Highest Gear of High Range - Auto						X	
Maximum Torque in Intermediate Gear Range						X	
Fuel Pump Controller Diagnostic Enable			X	X	X		X
Maximum Standstill Engine speed						X	
Minimum Gear Ratio For Progressive shift			X	X	X	X	X
Auto Start-Stop engine speed setpoint			X	X	X	X	X
Oil Pressure Low - Protection Light			X	X	X	X	X

Program Parameters	System Type						
	Cummins 6.7L "ECM=CM235"	Cummins 15.0L "ECM=CM2350, CM2250"	CAT CT 11/13 2010 - 2012	CAT CT15	CAT CT 13 SCR 2013 - 2014	CAT CT 13 SCR 2015 -	CAT CT 13 2013
Oil Level Low - Protection Light			X	X	X	X	X
Oil Pressure High - Protection Reaction			X	X	X	X	X
Oil Level - Protection Reaction			X	X	X	X	X
Fire and Rescue Mode Selection			X	X	X	X	X
SCR Tamper Resistant Warning & Protection System First Fault Occurrence			X	X	X	X	X
SCR Faults Reset Request			X	X	X	X	X
Coolant Temperature Compensation Mode			X	X	X	X	X
Coolant Temperature to Begin Power Derate			X	X	X	X	X
Coolant Temperature Compensation			X	X	X	X	X
Road Speed Limiting Control Mode			X	X	X	X	X
Road Speed Limiting Control Mode			X	X	X	X	X
Engine Speed Limit with VSS Fault			X	X	X	X	X
Max Vehicle Speed with Road Speed Limiting On			X	X	X	X	X
Road Speed Limiting Vehicle Speed Limit			X	X	X	X	X
Road Speed Limiting Input SW Low Vehicle Speed Limit			X	X	X	X	X
Secondary Road Speed Limiting Control Mode			X	X	X	X	X
Road Speed Limiting Vehicle Limiting Speed Mode			X	X	X	X	X
Road Speed Limiting Max RPM with VS Signal Fault			X	X	X	X	X
VS Anti-Tampering Minimum Enable Time			X	X	X	X	X
VS Anti-Tampering Maximum Detection Counts			X	X			X

Program Parameters	System Type						
	Cummins 6.7L "ECM=CM235"	Cummins 15.0L "ECM=CM2350, CM2250"	CAT CT 11/13 2010 - 2012	CAT CT15	CAT CT 13 SCR 2013 - 2014	CAT CT 13 SCR 2015 -	CAT CT 13 2013
Vehicle Speed Limit Override			X	X	X	X	X
VSLO Speed Increment			X	X	X	X	X
VSLO Maximum Activation Time			X	X	X	X	X
MRSLO Accumulator interval time			X	X	X	X	X
Driver Reward Enable			X	X	X	X	X
Fuel Economy - Good Level			X	X	X	X	X
Fuel Economy - Expected Level			X	X	X	X	X
Percent Idle Time - Excellent Level			X	X	X	X	X
Percent Idle Time - Good Level			X	X	X	X	X
Percent Idle Time - Expected Level			X	X	X	X	X
VS Limit Increment - Expected Level			X	X	X	X	X
VS Limit Increment - Good Level			X	X	X	X	X
VS Limit Increment - Excellent Level			X	X	X	X	X
VS Limit Decrement - Penalty Level			X	X	X	X	X
Driver Reward Mode			X	X	X	X	X
Adjustable Road Speed Limit Enable			X	X	X	X	X
Adjustable Road Speed Limiter VSL			X	X	X	X	X
SART Accumulator to store hours			X	X	X	X	X
SART Accumulator to store intervals			X	X	X	X	X
Accumulator to store Driver Reward Level			X	X	X	X	X
Road Speed Limiting Secondary Vehicle Speed Limit			X	X	X	X	X
Road Speed Limiting Max RPM Limit for Secondary Speed with VSS fault			X	X	X	X	X
Greenhouse Gas Vehicle Speed Limit			X	X	X	X	X
Greenhouse Gas Vehicle Speed Limit Factory Enable			X	X	X	X	X

Program Parameters	System Type						
	Cummins 6.7L "ECM=CM235"	Cummins 15.0L "ECM=CM2350, CM2250"	CAT CT 11/13 2010 - 2012	CAT CT15	CAT CT 13 SCR 2013 - 2014	CAT CT 13 SCR 2015 -	CAT CT 13 2013
Greenhouse Gas Vehicle Speed Limit Override Speed Increment					X	X	X
Two Speed Axle Enable			X	X			X
Two Speed Axle Enable			X	X			X
Tire Revs Per Mile			X	X			X
Rear Axle Ratio Low			X	X			X
Rear Axle Ratio High			X	X			X
Transmission Top Gear Ratio			X	X			X
Low Axle Ratio Pulses Per Mile Count			X	X	X	X	X
Low Axle Ratio Pulses Per Mile Count			X	X	X	X	X
Low Axle Ratio Pulses Per Mile Count			X	X	X	X	X
High Axle Ratio Pulses Per Mile Count					X	X	
High Axle Ratio Pulses Per Mile Count					X	X	
High Axle Ratio Pulses Per Mile Count					X	X	
High Gear Ratio of High Range - MAN					X	X	
High Gear Ratio of Int. Range - MAN					X	X	
Transfer Case Status Enable						X	
Transfer Case Switch Signal Source						X	
Torque Level Tailoring Mode			X	X			X
Transmission Type			X	X	X	X	X
Rated Engine Speed			X	X	X	X	X
Rated Power			X	X	X	X	X
Engine Family Extension			X	X	X	X	X
Regulation Type			X	X	X	X	X
Next Generation Vehicle			X	X	X	X	X
Common Chassis Vehicle			X	X	X	X	X
Low Idle Speed Adjustment Enable			X	X	X	X	X

Program Parameters	System Type						
	Cummins 6.7L "ECM=CM235"	Cummins 15.0L "ECM=CM2350, CM2250"	CAT CT 11/13 2010 - 2012	CAT CT15	CAT CT 13 SCR 2013 - 2014	CAT CT 13 SCR 2015 -	CAT CT 13 2013
Idle Speed Control Adjustment Ramp Rate			X	X			X
Low Idle Speed Adjustable Maximum			X	X			X
Low Idle Speed when Power is Lost or Ignition is Turned Off			X	X	X	X	X
High Idle Regulation			X	X	X	X	X
Idle Speed Control Enable			X	X	X	X	X
Idle Speed Bump Up/Down Step			X	X	X	X	X
Upshift Indicator			X	X	X	X	X
Transmission Models			X	X	X	X	X
Gear Number Calculation Gear 2			X	X	X	X	X
Gear Number Calculation Gear 3			X	X	X	X	X
Gear Number Calculation Gear 5			X	X	X	X	X
Gear Number Calculation Gear 7			X	X	X	X	X
Gear Number Calculation Gear 9			X	X	X	X	X
Gear Number Calculation Gear 11			X	X	X	X	X
Gear Number Calculation Gear 12			X	X	X	X	X
Gear Number Calculation Gear 13			X	X	X	X	X
Gear Number Calculation Gear 14			X	X	X	X	X
Gear Number Calculation Gear 16			X	X	X	X	X
Gear Number Calculation Gear 17			X	X	X	X	X
Gear Number Calculation Gear 19			X	X	X	X	X
Gear Number Calculation Gear 21			X	X	X	X	X
Gear Number Calculation Gear 23			X	X	X	X	X
Gear Number Calculation Ratio 1			X	X	X	X	X
Gear Number Calculation Ratio 3			X	X	X	X	X
Gear Number Calculation Ratio 4					X	X	
Gear Number Calculation Ratio 5					X	X	

Program Parameters	System Type						
	Cummins 6.7L "ECM=CM235"	Cummins 15.0L "ECM=CM2350, CM2250"	CAT CT 11/13 2010 - 2012	CAT CT15	CAT CT 13 SCR 2013 - 2014	CAT CT 13 SCR 2015 -	CAT CT 13 2013
Gear Number Calculation Ratio 6					X	X	
Gear Number Calculation Ratio 7					X	X	
Gear Number Calculation Ratio 9			X	X	X	X	X
Gear Number Calculation Ratio 12			X	X	X	X	X
Gear Number Calculation Ratio 16			X	X	X	X	X
Gear Number Calculation Ratio 19			X	X	X	X	X
Gear Number Calculation Ratio 22			X	X	X	X	X
Total Engine Hours			X	X	X	X	X
Total Miles			X	X	X	X	X
Vehicle Miles per DPF Regeneration - All Regenerations					X	X	
Total A/T Parked Regen Requests					X	X	
Engine Coolant Level Fault Event Counter					X	X	
Engine Coolant Temperature Fault Event Counter					X	X	
Engine Oil Temperature Fault Event Counter			X	X	X	X	X
Engine Oil Temperature Fault Total Minutes			X	X	X	X	X
Trip Engine On Time at Idle			X	X	X	X	X
Total Engine On Time in AESC			X	X	X	X	X
Trip Engine On Time in AESC Moving			X	X			X
Trip Engine On Time in AESC Stationary			X	X	X	X	X
Trip AESC Device 3 Fuel Used			X	X			X
Trip Engine On Time in AESC Device 3			X	X			X
Vehicle Miles at Last DPF Servicing			X	X	X	X	X
Hard Brake Incident Monitor			X	X	X	X	X

Program Parameters	System Type						
	Cummins 6.7L "ECM=CM235"	Cummins 15.0L "ECM=CM2350, CM2250"	CAT CT 11/13 2010 - 2012	CAT CT15	CAT CT 13 SCR 2013 - 2014	CAT CT 13 SCR 2015 -	CAT CT 13 2013
Vehicle Over Speed #1 Incidents			X	X	X	X	X
Vehicle Over Speed #2 Incidents			X	X	X	X	X
DPF Soot Load			X	X	X	X	X
ECT Maximum Overlimit Time			X	X			X
DPF Soot Load			X	X	X	X	X
DPF Ash Loading (Open Loop)			X	X	X	X	X
Maximum ECT Overlimit			X	X	X	X	X
DPF Soot Load Calculation Parameter #1			X	X	X	X	X
EOT Maximum Overlimit Time			X	X	X	X	X
DPF Ash Loading (Closed Loop)			X	X	X	X	X
Maximum EOT Overlimit			X	X	X	X	X
DPF Soot Load Calculation Parameter #2			X	X	X	X	X
EOP Minimum Underlimit Time			X	X	X	X	X
Number of sample pairs used in restriction (dPdV) calculation			X	X	X	X	X
Minimum EOP Underlimit			X	X	X	X	X
Number of External DPF Regeneration Inhibit Events			X	X	X	X	X
Total Average Vehicle Speed			X	X	X	X	X
Current Accumulated Time of Regeneration Inhibit			X	X	X	X	X
Trip Average Vehicle Speed			X	X	X	X	X
First Accumulated Time of Regeneration Inhibit			X	X	X	X	X
Total Fuel Economy			X	X	X	X	X
Second Accumulated Time of Regeneration Inhibit			X	X	X	X	X
Trip Vehicle Distance			X	X	X	X	X

Program Parameters	System Type						
	Cummins 6.7L "ECM=CM235"	Cummins 15.0L "ECM=CM2350, CM2250"	CAT CT 11/13 2010 - 2012	CAT CT15	CAT CT 13 SCR 2013 - 2014	CAT CT 13 SCR 2015 -	CAT CT 13 2013
Third Accumulated Time of Regeneration Inhibit			X	X	X	X	X
Trip Fuel Used			X	X	X	X	X
Fourth Accumulated Time of Regeneration Inhibit			X	X	X	X	X
Total Idle Time			X	X	X	X	X
Total Idle Fuel Used			X	X	X	X	X
Trip Percent Time at Idle			X	X	X	X	X
Trip Hard Brake Incident Monitor			X	X	X	X	X
Trip Engine Over Speed Incident Monitor			X	X	X	X	X
Trip Maximum Engine Speed			X	X	X	X	X
Total Engine Over Speed			X	X	X	X	X
ECU On Time Offset			X	X	X	X	X
Engine Idle Fuel Used Offset			X	X	X	X	X
AESC Fuel Used Offset			X	X	X	X	X
Trip Top Gear Engine Hours			X	X			X
Trip Cruise Control Engine Hours			X	X			X
Number of Coolant System Fault Overlimit			X	X	X	X	X
Engine Coolant Level Fault Total Time			X	X	X	X	X
Engine Oil Pressure Critical Latch Fault Event Occurrence Count			X	X	X	X	X
Engine Oil Pressure Warning Fault Active Duration			X		X	X	X
Engine Oil Temperature Warning Fault Active Duration			X	X	X	X	X
Engine Coolant Temperature Warning Fault Occurrence Count			X	X	X	X	X

Program Parameters	System Type						
	Cummins 6.7L "ECM=CM235"	Cummins 15.0L "ECM=CM2350, CM2250"	CAT CT 11/13 2010 - 2012	CAT CT15	CAT CT 13 SCR 2013 - 2014	CAT CT 13 SCR 2015 -	CAT CT 13 2013
Engine Fuel Temperature Critical Fault Occurrence Count			X	X	X	X	X
Engine Fuel Temperature Warning Fault Occurrence Count			X	X	X	X	X
Engine Speed Fault Occurrence Count			X	X	X	X	X
Trip Engine Over Speed Incident Monitor			X	X	X	X	X
Total Cruise Control Distance			X	X			X
Total Gear Down Distance			X	X			X
Total Service Brake Distance			X	X			X
Total Coast Distance			X	X			X
Total AESC Mode 2 Engine Hours			X	X			X
Total AESC Mode 4 Engine Hours			X	X			X
Total AESC Mode 2 Fuel Used			X	X	X	X	X
Total AESC Mode 4 Fuel Used			X	X	X	X	X
Total AESC Mode 6 Fuel Used			X	X	X	X	X
Total Loaded AESC Stationary Fuel Used			X	X	X	X	X
Total Gear Down Fuel Used			X	X			X
Total Cruise Control Time				X			
Total Gear Down Time			X				X
Total Top Gear Time			X	X			X
Total AESC Mobile Fuel Used				X			
Total AESC Stationary Fuel Used			X				X
Total Drive Fuel Used			X	X			X
Total Engine Protection Shutdown Manual Override			X	X			X
Total Number of Parked Regens			X	X	X	X	X
Total Average Engine Load Accumulator			X	X	X	X	X

Program Parameters	System Type						
	Cummins 6.7L "ECM=CM235"	Cummins 15.0L "ECM=CM2350, CM2250"	CAT CT 11/13 2010 - 2012	CAT CT15	CAT CT 13 SCR 2013 - 2014	CAT CT 13 SCR 2015 -	CAT CT 13 2013
Total Service Brake Activations			X		X	X	X
Total ECU Distance				X			
AESC Mode 4 Trip Fuel Used			X		X	X	X
Trip AESC Fuel Used				X			
Trip Average Engine Load			X		X	X	X
Trip Fan Time Due to Air Conditioning Pressure Switch			X	X	X	X	X
Trip Fan Time Without Vehicle Speed			X	X	X	X	X
Trip Engine Protection Derate Time			X		X	X	X
Trip Loaded AESC Stationary Time			X	X	X	X	X
Trip Number of Idle Shutdowns				X			
Trip Number of Idle Shutdown Overrides			X		X	X	X
Engine Trip Time			X	X	X	X	X
Trip Coast Distance			X		X	X	X
Trip Driver Rewards 1 Distance			X	X	X	X	X
Trip Driver Rewards 2 Distance			X	X	X	X	X
Trip Driver Rewards 3 Distance			X	X	X	X	X
Trip Driver Rewards 4 Distance			X	X	X	X	X
Trip Engine Brake Distance			X	X	X	X	X
Trip Gear Down Distance			X	X	X	X	X
Trip Full Pedal Throttle Distance			X	X	X	X	X
Trip Service Brake Distance			X	X	X	X	X
Trip Top Gear Distance			X	X	X	X	X
Trip Loaded AESC Mobile Distance			X	X	X	X	X
Trip Vehicle Overspeed 1 Distance			X	X			X
Trip Coast Fuel Used			X	X	X	X	X
Trip Driver Rewards 1 Fuel Used			X		X	X	X

Program Parameters	System Type						
	Cummins 6.7L "ECM=CM235"	Cummins 15.0L "ECM=CM2350, CM2250"	CAT CT 11/13 2010 - 2012	CAT CT15	CAT CT 13 SCR 2013 - 2014	CAT CT 13 SCR 2015 -	CAT CT 13 2013
Trip Driver Rewards 3 Fuel Used			X	X	X	X	X
Trip Gear Down Fuel Used			X	X	X	X	X
Trip Top Gear Fuel Used			X	X	X	X	X
Trip Vehicle Overspeed 2 Fuel Used			X	X			X
Trip Loaded AESC Drive Fuel Used			X	X			X
Trip Cruise Control Time			X	X	X	X	X
Trip Driver Rewards 2 Time			X	X	X	X	X
Trip Driver Rewards 3 Time					X	X	X
Trip Engine Brake Time					X	X	X
Trip Gear Down Time					X	X	X
Trip Service Brake Time							X
Trip Vehicle Overspeed 1 Time							X
Trip Loaded AESC Mobile Time							X
Trip Engine Brake Activations							X
Trip Engine Brake Percent Time			X	X	X	X	X
Total Drive Average Power			X	X			X
Trip Average Engine Power			X	X	X	X	X
Trip Aftertreatment Dosed Fuel			X	X	X	X	X
Number of Turbo Protection Events			X	X	X	X	X
Number of ECT Faults			X	X	X	X	X
Total Minutes Of ECT Faults			X	X	X	X	X
Trip Fuel Used			X	X	X	X	X
Total Idle Fuel Used			X	X	X	X	X
Trip Number of Completed Regenerations			X	X	X	X	X
Trip Maximum DPF Soot Load			X	X			X
Total Cold Ambient Operation Time			X	X			X

Program Parameters	System Type						
	Cummins 6.7L "ECM=CM235"	Cummins 15.0L "ECM=CM2350, CM2250"	CAT CT 11/13 2010 - 2012	CAT CT15	CAT CT 13 SCR 2013 - 2014	CAT CT 13 SCR 2015 -	CAT CT 13 2013
Total OFR Operation Mode Time			X	X	X	X	X
Total Engine Overheat Protection Time 2			X	X	X	X	X
Turbocharger Compressor Out Temperature Above Warning Limit Fault Total Time			X	X	X	X	X
Turbocharger Compressor Out Temperature Above Critical Limit Fault Total Time			X	X	X	X	X
Exhaust Gas Temperature Above Warning Limit Total Time			X	X	X	X	X
Exhaust Gas Temperature Above Critical Limit Total Time			X	X	X	X	X
Exhaust Gas Temperature Above Critical Limit Total Distance			X	X	X	X	X
EGR Cooler Out Temperature Based EGR Protection Active Total Distance			X	X	X	X	X
Engine crankcase pressure warning fault event log engine hour 1			X	X			X
Engine crankcase pressure warning fault event log miles 1			X	X	X	X	X
Vehicle Identification Number			X	X	X	X	X
Total Tattletales					X	X	
Customer Password			X	X			X
Engine Serial Number			X	X	X	X	X
Vehicle Speed Signal Mode			X	X	X	X	X
Driveline Disengaged Mode					X	X	
Brake Signal Processing Mode						X	
Hard Brake Decel Rate Threshold			X	X	X	X	X
Smart Torque Enable			X	X	X	X	X

Program Parameters	System Type						
	Cummins 6.7L "ECM=CM235"	Cummins 15.0L "ECM=CM2350, CM2250"	CAT CT 11/13 2010 - 2012	CAT CT15	CAT CT 13 SCR 2013 - 2014	CAT CT 13 SCR 2015 -	CAT CT 13 2013
Multi Torque Top Gear Minus 1 Ratio			X	X	X	X	X
Remote Accelerator Enable Switch			X	X			X
Firm Brake Deceleration Rate Threshold			X	X			X
Smart Torque Enable			X	X			X
Particulate Matter Sensor Enable			X	X	X	X	X
Neutral Coast Control			X	X			X
Off-Idle Misfire Monitor			X	X			X
Engine Fan Control Mode			X	X			X
Air Conditioner Demand Input			X	X			X
Fan On Temperature for Engine Cooling Control			X	X	X	X	X
Fan Off Temperature for Engine Cooling Control			X	X			X
Maximum safe fan speed (high speed lockout)			X	X			X
Radiator Shutter Open Temperature			X	X	X	X	X
Radiator Shutter Closed Temperature			X	X	X	X	X
Hydraulic Pressure Governor Enable			X	X	X	X	X
Hydraulic Pressure Governor Mode Indicator Enable			X	X	X	X	X
Hydraulic Pressure Governor Integral Gain Offset			X	X	X	X	X
Hydraulic Pressure Governor Proportional Gain Offset			X	X	X	X	X
Vehicle Speed Source Selection When Split Shaft is Active			X	X	X	X	X
Cold Ambient Protection Enable			X	X	X	X	X
Service Interval Mode			X	X	X	X	X

Program Parameters	System Type						
	Cummins 6.7L "ECM=CM235"	Cummins 15.0L "ECM=CM2350, CM2250"	CAT CT 11/13 2010 - 2012	CAT CT15	CAT CT 13 SCR 2013 - 2014	CAT CT 13 SCR 2015 -	CAT CT 13 2013
Fuel Used Service Interval			X	X	X	X	X
Engine Hour Service Interval			X	X	X	X	X
Engine Hour Starting Value			X	X			X
Vehicle Distance Starting Value			X	X	X	X	X
Service Soon Percent			X	X	X	X	X
Change Oil Lamp Always On			X	X	X	X	X
Change Oil Lamp Activation Time			X	X	X	X	X
Change Oil Service Interval Average MPH					X	X	
Change Breather Lamp Activation Time			X	X			X
Change Breather Service Interval Average Speed			X	X			X
Change Breather Service Interval Vehicle Distance based Breather Life			X	X			X
Fuel Used Change Oil Service Interval			X	X			X
Vehicle Distance Change Oil Service Interval			X	X			X
SCR Faults Reset Request			X	X			X
Low Engine Coolant Level Repeat Occurrence			X	X			X
Distance Traveled while Inducement is Active			X	X	X	X	X
Traction Control Enable			X	X	X	X	X
Application Expected Electrical Level			X	X	X	X	X
Variable Nozzle Turbine Turbo Enable			X	X	X	X	X
Exhaust Gas Recirculation Enable			X	X	X	X	X
EGRP closed position reference reset request			X	X	X	X	X
EGRP closed position reference			X	X	X	X	X

Program Parameters	System Type						
	Cummins 6.7L "ECM=CM235"	Cummins 15.0L "ECM=CM2350, CM2250"	CAT CT 11/13 2010 - 2012	CAT CT15	CAT CT 13 SCR 2013 - 2014	CAT CT 13 SCR 2015 -	CAT CT 13 2013
Fuel Quantity Governor Mode Enable			X	X	X	X	X
Fuel Quantity Governor Mode Enable			X	X	X	X	X
Cylinder Balancing Enable			X	X	X	X	X
Enable stationary regeneration feature			X	X	X	X	X
Enable inhibit regeneration feature			X	X	X	X	X
Maximum Vehicle Speed at which Stationary Regen can be enabled			X	X	X	X	X
Maximum Vehicle Speed at which Regen Inhibit can be enabled			X	X	X	X	X
Minimum Vehicle Speed at which Normal Regen can be enabled			X	X	X	X	X
Temperature Above Which High Exhaust Temperature Lamp Is Illuminated			X	X	X	X	X
Temperature Below Which High Exhaust Temperature Lamp Is Extinguished			X	X	X	X	X
MAF Configuration Selection			X	X	X	X	X
Enable Severe De-rate When DPF Overloaded			X	X	X	X	X
Lambda Sensor Adaptation Status			X	X	X	X	X
MAF Learned Reset			X	X	X	X	X
Lambda sensor adaptation value			X	X	X	X	X
Enable hardwired wait to start lamp diagnostics			X	X	X	X	X
Exhaust Configuration			X	X	X	X	X
Enable hardwired water in fuel lamp diagnostics			X	X	X	X	X
Two Speed Axle Input Selection			X	X	X	X	X
Brake Pedal Switch Input Selection			X	X	X	X	X

Program Parameters	System Type						
	Cummins 6.7L "ECM=CM235"	Cummins 15.0L "ECM=CM2350, CM2250"	CAT CT 11/13 2010 - 2012	CAT CT15	CAT CT 13 SCR 2013 - 2014	CAT CT 13 SCR 2015 -	CAT CT 13 2013
Clutch Pedal Switch Input Selection			X	X			X
Cruise Control/AESC On/Off Switch Input Selection			X	X			X
Cruise Control Resume/Accelerate Switch Input Selection			X	X			X
TCBC Signal Processing Mode			X	X			X
Engine Brake Switch 1 Input Selection			X	X	X	X	X
Auxiliary Engine Shutdown Switch Input Selection			X	X			X
Remote AESC Programmed Speed Switch Input Selection			X	X			X
Remote Accelerator Pedal Input Selection			X		X	X	X
Injection Quantity Adjustment - Injector 1 (Physical Cylinder 1)			X		X	X	X
Injection Quantity Adjustment - Injector 2 (Physical Cylinder 2)			X		X	X	X
Injection Quantity Adjustment - Injector 3 (Physical Cylinder 3)			X		X	X	X
MAFT Co-efficient A1					X	X	
Injection Quantity Adjustment - Injector 4 (Physical Cylinder 4)					X	X	
MAFT Co-efficient A1					X	X	
MAFT Co-efficient B1					X	X	
Diesel Exhaust Fluid Tank Temperature User Selectable	X	X					
Diesel Exhaust Fluid Valve Position Enable	X	X					
Diesel Exhaust Fluid Valve Position User Selectable	X	X					
Diesel Exhaust Fluid Warning Light Enable	X	X					

Program Parameters	System Type						
	Cummins 6.7L "ECM=CM235"	Cummins 15.0L "ECM=CM2350, CM2250"	CAT CT 11/13 2010 - 2012	CAT CT15	CAT CT 13 SCR 2013 - 2014	CAT CT 13 SCR 2015 -	CAT CT 13 2013
Diesel Exhaust Fluid Warning Light User Selectable	X	X					
AFT Dosing System Test Enable	X	X					
AFT Dosing System Test Log Enable	X	X					
AFT Dosing System Test Log User Selectable	X	X					
AFT Dosing System Test User Selectable	X	X					
H C Doser Efficiency Regen Enable	X	X					
HC Doser Efficiency Regen User Selectable	X	X					
Adapted offset for differential pressure sensor	X	X					
ECU date of last programming	X	X					
ECU Hardware Number	X	X					
Post injection active	X	X					
ECU production/download date	X	X					
ECU programming shop code	X	X					
ECU Reprogramming counter	X	X					
ECU Serial Number	X	X					
ECU software number	X	X					
ECU software version number	X	X					
ECU supplier part number	X	X					
ECU variant data identification number	X	X					
ECU Vehicle identification number(VIN)	X	X					
ECU_Variant_ID	X	X					
Mode 1: Time factor for coking accumulation	X	X					
Actual engine speed limit	X	X					

Program Parameters	System Type						
	Cummins 6.7L "ECM=CM235"	Cummins 15.0L "ECM=CM2350, CM2250"	CAT CT 11/13 2010 - 2012	CAT CT15	CAT CT 13 SCR 2013 - 2014	CAT CT 13 SCR 2015 -	CAT CT 13 2013
Engine dataset number	X	X					
Engine Family	X	X					
Engine Hours at Coolant Level Fault 2	X	X					
Engine Hours at Oil Temperature Fault 1	X	X					
Engine manufacturer plan of components for ECU replacement	X	X					
Engine manufacturing date	X	X					
Engine MAP - Total Time in Region 1	X	X					
Engine MAP - Total Time in Region 2	X	X					
Engine MAP - Total Time in Region 3	X	X					
Engine MAP - Total Time in Region 4	X	X					
Engine MAP - Total Time in Region 5	X	X					
Engine plan of components	X	X					
Engine Power Torque	X	X					
Engine Serial Number	X	X					
Engine Serial Number - ESN	X	X					
Engine Serial Number (MWM) - ESN	X	X					
Engine Speed Output via PWM (Pin A_E1)	X	X					
Maximum engine horse power	X	X					
Pedal position PWM output available	X	X					
percentage oil life since the last service	X	X					
Rated engine speed where maximum engine power is achieved	X	X					
Vehicle Distance Service Interval	X	X					
TI Diesel Exhaust Fluid Enable	X	X					
TI Diesel Exhaust Fluid User Selectable	X	X					
Total Fuel Used during Cold Start	X	X					

Program Parameters	System Type						
	Cummins 6.7L "ECM=CM235"	Cummins 15.0L "ECM=CM2350, CM2250"	CAT CT 11/13 2010 - 2012	CAT CT15	CAT CT 13 SCR 2013 - 2014	CAT CT 13 SCR 2015 -	CAT CT 13 2013
Average Fuel Consumed	X	X					
Average fuel consumed until last Service	X	X					
IIC injector 1 compensation	X	X					
Fuel consumption factor	X	X					
Momentary Fuel Consumption PWM Output (pin A_C1)	X	X					
Total Distance Based Fuel Consumption	X	X					
Total Fuel Consumed till last service	X	X					
Total Fuel Used	X	X					
Water in Fuel Lamp Present (pin A_C4)	X	X					
Total CAP Operation Time	X	X					
Total Firm Brake Instances	X	X					
Total Number of CAP Actuations	X	X					
Total Number of Cold Start Actuations	X	X					
AFT_NH3_Sensor_Enable	X	X					
AFT_NH3_Sensor_User_Selectable	X	X					
AFT PFS EOL Status Monitor Enable	X	X					
AFT PFS EOL Status Monitor User Selectable	X	X					
AFT Purge Air Solenoid Enable	X	X					
AFT Purge Air Solenoid User Selectable	X	X					
AFT Thermal Cycle Count Enable	X	X					
AFT Thermal Cycle Count User Selectable	X	X					
Number of failure events related to diagnostic N_MAX_LVL_1 = 4200RPM	X	X					
Number of failure events related to diagnostic N_MAX_LVL_1	X	X					

Program Parameters	System Type						
	Cummins 6.7L "ECM=CM235"	Cummins 15.0L "ECM=CM2350, CM2250"	CAT CT 11/13 2010 - 2012	CAT CT15	CAT CT 13 SCR 2013 - 2014	CAT CT 13 SCR 2015 -	CAT CT 13 2013
Number of failure events related to diagnostic N_MAX_LVL_2 = 4650 RPM	X	X					
Number of failure events related to diagnostic N_MAX_LVL_2	X	X					
Total AFT Run Time At Average Soot	X	X					
Total AFT Run Time At Max Soot	X	X					
Total AFT time Regen inhibited due to minimum time between regen	X	X					
ABS on CAN BUS	X	X					
Adapted offset for differential pressure sensor	X	X					
Air Conditioning (ECU Controlled)	X	X					
Average distance travelled	X	X					
Average distance travelled until last service	X	X					
BCM on CAN BUS	X	X					
Configuration for the air conditioning pressure sensor	X	X					
Coolant Temperature PWM Output (pin A_G4)	X	X					
Dataset code	X	X					
Distance travelled after MIL	X	X					
ETCU on CAN BUS	X	X					
Fan Type	X	X					
Gear box type	X	X					
Glow available	X	X					
ICL on CAN BUS	X	X					
Integrated vehicle dynamic control	X	X					

Program Parameters	System Type						
	Cummins 6.7L "ECM=CM235"	Cummins 15.0L "ECM=CM2350, CM2250"	CAT CT 11/13 2010 - 2012	CAT CT15	CAT CT 13 SCR 2013 - 2014	CAT CT 13 SCR 2015 -	CAT CT 13 2013
Main injections active	X	X					
Mass air flow adaptation conditions exit counters	X	X					
Maximum vehicle speed set point	X	X					
Particulate filter serial number adjustment (original part)	X	X					
Particulate filter serial number adjustment (replacement part)	X	X					
ECU supplier part number	X	X					
ECU hardware version number	X	X					
Production mode general enable flag	X	X					
Production mode state	X	X					
Number of Teeth in the Gearbox Target Wheel	X	X					
Total driven distance	X	X					
Total ECU Run Time	X	X					
Total Vehicle Distance	X	X					
IIC injector 2 compensation	X	X					
Transmission Type	X	X					
Vehicle speed limitation	X	X					
Wheel tyre size (circumference)	X	X					
Total Glowplug ON Time	X	X					
Total Number of Complete Glow plug activations	X	X					
Total Number of Glow Plug Activations without proper glowplug tip temperature	X	X					
Total Number of Incomplete Glow Plug Activations	X	X					

Program Parameters	System Type						
	Cummins 6.7L "ECM=CM235"	Cummins 15.0L "ECM=CM2350, CM2250"	CAT CT 11/13 2010 - 2012	CAT CT15	CAT CT 13 SCR 2013 - 2014	CAT CT 13 SCR 2015 -	CAT CT 13 2013
HCASOV Override Test Enable	X	X					
HCASOV Override Test User Selectable	X	X					
HCFSOV Override Test Enable	X	X					
HCFSOV Override Test User Selectable	X	X					
AFT Hydrocarbon Dosing Prohibited Enable	X	X					
AFT Hydrocarbon Dosing Prohibited User Selectable	X	X					
AFT Hydrocarbon Dosing Rate Enable	X	X					
AFT Hydrocarbon Dosing Rate User Selectable	X	X					
AFT Hydrocarbon Dosing System State Enable	X	X					
AFT Hydrocarbon Dosing System State User Selectable	X	X					
Hydrocarbon Injector Override Test Enable	X	X					
Hydrocarbon Injector Override Test User Selectable	X	X					
Idle Shutdown Time	X	X					
Distance driven with water in fuel	X	X					
Total Vehicle Distance with Water in Fuel	X	X					
IIC injector 3 compensation	X	X					
IIC injector 4 compensation	X	X					
Index for MAF configuration selection	X	X					
New calculated coefficient A for analytical mass air flow transfer function	X	X					
New calculated coefficient B for analytical mass air flow transfer function	X	X					

Program Parameters	System Type						
	Cummins 6.7L "ECM=CM235"	Cummins 15.0L "ECM=CM2350, CM2250"	CAT CT 11/13 2010 - 2012	CAT CT15	CAT CT 13 SCR 2013 - 2014	CAT CT 13 SCR 2015 -	CAT CT 13 2013
OEM Reserved Enable	X	X					
OEM Reserved User Selectable	X	X					
OEM Total Vehicle Distance	X	X					
OEM Trip Information Enable	X	X					
OEM Trip Information User Selectable	X	X					
Total AFT Active Regen Manual Inhibit Request Time	X	X					
Total AFT Active Regeneration Time	X	X					
Total AFT Disabled Time	X	X					
Total AFT Number of Active Regen Manual requests	X	X					
Total AFT Number of Active Regens	X	X					
Total AFT Number of Passive Regenerations	X	X					
Total AFT Passive Regeneration Time	X	X					
Total AFT Regen Fuel Used	X	X					
Total AFT Regen inhibited due to minimum time between regen	X	X					
Maximum Vehicle Speed	X	X					
SCR Catalyst Inlet Temperature Sensor Enable	X	X					
SCR Catalyst Inlet Temperature Sensor User Selectable	X	X					
SCR Catalyst Inlet Temperature Sensor Ver2 Enable	X	X					
SCR Catalyst Inlet Temperature Sensor Ver2 User Selectable	X	X					
SCR Catalyst Outlet Temperature Sensor Enable	X	X					

Program Parameters	System Type						
	Cummins 6.7L "ECM=CM235"	Cummins 15.0L "ECM=CM2350, CM2250"	CAT CT 11/13 2010 - 2012	CAT CT15	CAT CT 13 SCR 2013 - 2014	CAT CT 13 SCR 2015 -	CAT CT 13 2013
SCR Catalyst Outlet Temperature Sensor User Selectable	X	X					
SCR Catalyst Outlet Temperature Sensor Ver2 Enable	X	X					
SCR Catalyst Outlet Temperature Sensor Ver2 User Selectable	X	X					
SCR Catalyst Over Temperature History Enable	X	X					
SCR Catalyst Over Temperature History User Selectable	X	X					
SCR Configuration Enable	X	X					
SCR Configuration User_ selectable	X	X					
SCR Heating Enable	X	X					
SCR Heating User Selectable	X	X					
SCR PumpState Enable	X	X					
SCR PumpState User Selectable	X	X					
Value of Soot Load at Key OFF Fixed Point Resolution (Write with Engine Stopped)	X	X					
Value of Ash Load at Key OFF	X	X					
Urea Doser Override Test Enable	X	X					
Urea Doser Override Test Time	X	X					
Urea Doser Override Test Timer	X	X					
Urea Doser Override Test User Selectable	X	X					
Urea LineHeater1 Relay User Selectable	X	X					
Urea Tank Level Replacement Value Enable	X	X					
Urea Tank Level Replacement Value User Selectable	X	X					

Program Parameters	System Type						
	Cummins 6.7L "ECM=CM235"	Cummins 15.0L "ECM=CM2350, CM2250"	CAT CT 11/13 2010 - 2012	CAT CT15	CAT CT 13 SCR 2013 - 2014	CAT CT 13 SCR 2015 -	CAT CT 13 2013
Urea Tank Temperature Sensor Enable	X	X					
Urea Tank Temperature Sensor User Selectable	X	X					
Urea TankHeater1 Relay User Selectable	X	X					

International Engines

Coverage: 1994 - 2006

The International Engines software application provides reprogramming and diagnostic capability for International® electronic systems.

Supports

- All pre-EPA '07 International electronic engines (1, 2, and 3 Box)

Basic Functions

- Read Active Fault Codes
- Read and Clear Inactive Fault Codes
- View Engine Data
- View, Graph, and Record Engine Data

Disclaimer:

Product specifications and data are subject to change without notice to improve functionality, reliability, design, or otherwise. Availability of tests and configurable parameters is dependent on both the vehicle concerned and the module loaded.

International Engines

Special Tests

Special Tests	System Type							
	DLC I6 1998 - 2004	DLCII I6 2004 - 2006	DLCII I6 for Export 2007 -	3 Box I6 1994 - 1997	DLC V8 1998 - 2004	DLCII V6 2005 - 2006	DLCII V8 2002 - 2006	3 Box V8 1994 - 1997
Air Management Test		X	X			X	X	
Continuous Monitor Test	X	X	X	X	X	X	X	X
Cylinder Cutout Test		X	X			X	X	
KOEO Injector Test	X	X	X	X	X	X	X	X
KOEO Standard Test	X	X	X	X	X	X	X	X
KOER Injector Test	X			X	X			X
KOER Standard Test	X	X	X	X	X	X	X	X
Output State Glow Plug		X	X			X	X	
Output State High	X	X	X	X	X	X	X	X
Output State Low	X	X	X	X	X	X	X	X
Relative Compression Test		X	X			X	X	
VGT Output State High	X	X	X			X	X	
VGT Output State Low	X	X	X			X	X	
VGT Output State Medium	X	X	X			X	X	

International Engines

Calibrations

Program Parameters	System Type							
	DLC I6 1998 - 2004	DLCII I6 2004 - 2006	DLCII I6 for Export 2007 -	3 Box I6 1994 - 1997	DLC V8 1998 - 2004	DLCII V6 2005 - 2006	DLCII V8 2002 - 2006	3 Box V8 1994 - 1997
Air Conditioner Demand Input	X	X	X	X	X	X	X	X
Allison Transmission Shift Schedule	X	X	X	X	X	X	X	X
Application Expected Electrical Level	X	X	X	X	X	X	X	X
Auxiliary Engine Speed Control - In Cab Mode	X	X	X	X	X	X	X	X
Auxiliary Engine Speed Control - In Cab Operator Interface	X	X	X	X	X	X	X	X
Auxiliary Engine Speed Control - Maximum Engine Speed	X	X	X	X	X	X	X	X
Auxiliary Engine Speed Control - Maximum Vehicle Speed	X	X	X	X	X	X	X	X
Auxiliary Engine Speed Control - Mode	X	X	X	X	X	X	X	X
Auxiliary Engine Speed Control - Preset Engine Speed 1 (Set)	X	X	X	X	X	X	X	X
Auxiliary Engine Speed Control - Preset Engine Speed 2 (Resume)	X	X	X	X	X	X	X	X
Auxiliary Engine Speed Control - Ramp Rate	X	X	X	X	X	X	X	X
Auxiliary Engine Speed Control - Remote Pedal Enable	X	X	X	X	X	X	X	X
Brake Signal Processing Mode	X	X	X	X	X	X	X	X
CDPF Engine Hour Service Interval	X	X	X	X	X	X	X	X
CDPF Engine Hour Starting Value	X	X	X	X	X	X	X	X
CDPF Fuel Used Service Interval	X	X	X	X	X	X	X	X
CDPF Fuel Used Starting Value	X	X	X	X	X	X	X	X
CDPF Reset Request	X	X	X	X	X	X	X	X
CDPF Vehicle Distance Service Interval	X	X	X	X	X	X	X	X

Program Parameters	System Type							
	DLC I6 1998 - 2004	DLCII I6 2004 - 2006	DLCII I6 for Export 2007 -	3 Box I6 1994 - 1997	DLC V8 1998 - 2004	DLCII V6 2005 - 2006	DLCII V8 2002 - 2006	3 Box V8 1994 - 1997
CDPF Vehicle Distance Starting Value	X	X	X	X	X	X	X	X
Change Oil Lamp Activation Time	X	X	X	X	X	X	X	X
Change Oil Lamp Always On	X	X	X	X	X	X	X	X
Cold Ambient Protection Enable	X	X	X	X	X	X	X	X
Common Chassis Vehicle	X	X	X	X	X	X	X	X
Coolant System Fault 1 Engine Hours		X					X	
Coolant System Fault 1 Total Miles		X					X	
Coolant System Fault 2 Engine Hours		X					X	
Coolant System Fault 2 Total Miles		X					X	
Coolant Tank Selection	X	X	X	X	X	X	X	X
Coolant Temperature Compensation	X	X	X	X	X	X	X	X
Coolant Temperature Compensation Mode	X	X	X	X	X	X	X	X
Coolant Temperature to Begin Power Derate	X	X	X	X	X	X	X	X
Coolant Temperature to Modify Power Derate Percent	X	X	X	X	X	X	X	X
Cruise Control Low Engine RPM Limit	X	X	X	X	X	X	X	X
Cruise Control Mode	X	X	X	X	X	X	X	X
Cruise Control Vehicle Speed High Limit	X	X	X	X	X	X	X	X
Cruise Control Vehicle Speed Low Limit	X	X	X	X	X	X	X	X
Cruise Control Vehicle Speed Ramp Rate	X	X	X	X	X	X	X	X
Customer Password	X	X	X	X	X	X	X	X
Cylinder Balancing Enable	X	X	X	X	X	X	X	X
Driveline Disengaged Mode	X	X	X	X	X	X	X	X
Driveline Status for Hydraulic Pressure Governor Operation	X	X	X	X	X	X	X	X
ECM Hardware Version	X	X	X		X	X	X	
ECM Manufacturing Date	X	X	X		X	X	X	

Program Parameters	System Type							
	DLC I6 1998 - 2004	DLCII I6 2004 - 2006	DLCII I6 for Export 2007 -	3 Box I6 1994 - 1997	DLC V8 1998 - 2004	DLCII V6 2005 - 2006	DLCII V8 2002 - 2006	3 Box V8 1994 - 1997
ECM Serial Number	X	X	X		X	X	X	
ECM Software Calibration Version	X	X	X		X	X	X	
ECM Software Strategy Version	X	X	X		X	X	X	
EGRP closed position reference	X	X	X	X	X	X	X	X
EGRP closed position reference reset request	X	X	X	X	X	X	X	X
Engine Coolant Critical Temperature	X	X	X	X	X	X	X	X
Engine Coolant Level Fault 1 Engine Hours	X	X	X	X	X	X	X	X
Engine Coolant Level Fault 1 Total Miles	X	X	X	X	X	X	X	X
Engine Coolant Level Fault 2 Engine Hours	X	X	X	X	X	X	X	X
Engine Coolant Level Fault 2 Total Miles	X	X	X	X	X	X	X	X
Engine Coolant Level Fault Event Counter		X					X	
Engine Coolant Level Fault Total Minutes							X	
Engine Coolant Level Fault Total Time		X						
Engine Coolant Temperature Fault 1 Engine Hours	X	X	X	X	X	X	X	X
Engine Coolant Temperature Fault 1 Total Miles	X	X	X	X	X	X	X	X
Engine Coolant Temperature Fault 2 Engine Hours	X	X	X	X	X	X	X	X
Engine Coolant Temperature Fault 2 Total Miles	X	X	X	X	X	X	X	X
Engine Coolant Temperature Fault Event Counter		X					X	
Engine Coolant Temperature Fault Total Minutes		X					X	
Engine Coolant Warning Temperature	X	X	X	X	X	X	X	X
Engine Crank Inhibit Mode	X	X	X	X	X	X	X	X
Engine Crank Inhibit Run Mode Delay Time	X	X	X	X	X	X	X	X
Engine Family Extension	X	X	X	X	X	X	X	X
Engine Family Rating Code	X	X	X	X	X	X	X	X

Program Parameters	System Type							
	DLC I6 1998 - 2004	DLCII I6 2004 - 2006	DLCII I6 for Export 2007 -	3 Box I6 1994 - 1997	DLC V8 1998 - 2004	DLCII V6 2005 - 2006	DLCII V8 2002 - 2006	3 Box V8 1994 - 1997
Engine Fan Control Mode	X	X	X	X	X	X	X	X
Engine Fuel Pressure Signal Enable	X	X	X		X	X	X	
Engine Hour Service Interval	X	X	X	X	X	X	X	X
Engine Hour Starting Value	X	X	X	X	X	X	X	X
Engine Idle Shutdown Maximum Intake Air Temperature	X	X	X	X	X	X	X	X
Engine Idle Shutdown Minimum Intake Air Temperature	X	X	X	X	X	X	X	X
Engine Idle Shutdown Time	X	X	X	X	X	X	X	X
Engine Idle Shutdown Timer Mode	X	X	X	X	X	X	X	X
Engine Oil Critical Pressure for Region 1	X	X	X	X	X	X	X	X
Engine Oil Critical Pressure for Region 2	X	X	X	X	X	X	X	X
Engine Oil Critical Pressure for Region 3	X	X	X	X	X	X	X	X
Engine Oil Pressure Engine RPM Boundary 1	X	X	X	X	X	X	X	X
Engine Oil Pressure Engine RPM Boundary 2	X	X	X	X	X	X	X	X
Engine Oil Pressure Engine RPM Boundary 3	X	X	X	X	X	X	X	X
Engine Oil Pressure Fault 1 Engine Hours	X	X	X	X	X	X	X	
Engine Oil Pressure Fault 1 Total Miles	X	X	X	X	X	X	X	X
Engine Oil Pressure Fault 2 Engine Hours	X	X	X	X	X	X	X	X
Engine Oil Pressure Fault 2 Total Miles	X	X	X	X	X	X	X	X
Engine Oil Pressure Signal Enable	X	X	X		X	X	X	
Engine Oil Temperature Fault 1 Engine Hours		X					X	
Engine Oil Temperature Fault 1 Total Miles		X					X	
Engine Oil Temperature Fault 2 Engine Hours		X					X	
Engine Oil Temperature Fault 2 Total Miles		X					X	
Engine Oil Temperature Fault Event Counter		X					X	
Engine Oil Temperature Fault Total Minutes							X	

Program Parameters	System Type							
	DLC I6 1998 - 2004	DLCII I6 2004 - 2006	DLCII I6 for Export 2007 -	3 Box I6 1994 - 1997	DLC V8 1998 - 2004	DLCII V6 2005 - 2006	DLCII V8 2002 - 2006	3 Box V8 1994 - 1997
Engine Oil Temperature Fault Total Time		X						
Engine Oil Warning Pressure for Region 1	X	X	X	X	X	X	X	X
Engine Oil Warning Pressure for Region 2	X	X	X	X	X	X	X	X
Engine Oil Warning Pressure for Region 3	X	X	X	X	X	X	X	X
Engine Serial Number	X	X	X	X	X	X	X	X
Engine Speed Fault 1 Engine Hours	X	X	X	X	X	X	X	X
Engine Speed Fault 1 Total Miles	X	X	X	X	X	X	X	X
Engine Speed Fault 2 Engine Hours	X	X	X	X	X	X	X	X
Engine Speed Fault 2 Total Miles	X	X	X	X	X	X	X	X
Engine Speed Limit with VSS Fault	X	X	X	X	X	X	X	X
Engine Warning & Protection System Mode	X	X	X	X	X	X	X	X
EVRT Warm-up Enable	X	X	X		X	X	X	
Exhaust Back Pressure Control Mode		X	X		X	X	X	X
Exhaust Gas Recirculation Enable	X	X	X	X	X	X	X	X
Fan Off Temperature for Engine Cooling Control	X	X	X	X	X	X	X	X
Fan On Temperature for Engine Cooling Control	X	X	X	X	X	X	X	X
Fuel Quantity Governor Mode Enable	X	X	X	X	X	X	X	X
Fuel Used Service Interval	X	X	X	X	X	X	X	X
Fuel Used Starting Value	X	X	X	X	X	X	X	X
Glow Plug / Inlet Air Heater Control Mode	X	X	X		X	X	X	
Glow Plug Control Mode				X				X
High Axle Ratio Pulses Per Mile Count	X	X	X	X	X	X	X	X
High Idle Engine Speed	X	X	X	X	X	X	X	X
High Priority List Checksum				X				X
Hydraulic Pressure Governor Cavitation Operation Time	X	X	X	X	X	X	X	X
Hydraulic Pressure Governor Enable	X	X	X	X	X	X	X	X

Program Parameters	System Type							
	DLC I6 1998 - 2004	DLCII I6 2004 - 2006	DLCII I6 for Export 2007 -	3 Box I6 1994 - 1997	DLC V8 1998 - 2004	DLCII V6 2005 - 2006	DLCII V8 2002 - 2006	3 Box V8 1994 - 1997
Hydraulic Pressure Governor Integral Gain Offset	X	X	X	X	X	X	X	X
Hydraulic Pressure Governor Mode Indicator Enable	X	X	X	X	X	X	X	X
Hydraulic Pressure Governor Proportional Gain Offset	X	X	X	X	X	X	X	X
Hydraulic Pressure Ramp Rate	X	X	X	X	X	X	X	X
Inlet Air Heater Control Mode						X		
Last Customer Service Tool Identification Number Level 1	X	X	X	X	X	X	X	X
Last Customer Service Tool Identification Number Level 2	X	X	X	X	X	X	X	X
Last Software Calibration Programming Date	X	X	X	X	X	X	X	X
Last Software Calibration Programming Tool Identification Number	X	X	X	X	X	X	X	X
Last Software Strategy Programming Date	X	X	X	X	X	X	X	X
Last Software Strategy Programming Tool Identification Number	X	X	X	X	X	X	X	X
Low Axle Ratio Pulses Per Mile Count	X	X	X	X	X	X	X	X
Low Idle Engine Speed	X	X	X	X	X	X	X	X
Low Priority List Checksum				X				X
Max Vehicle Speed with Road Speed Limiting On	X	X	X	X	X	X	X	X
Next Generation Vehicle	X	X	X	X	X	X	X	X
Number of Coolant System Fault Overlimit							X	
Programmable Parameter List Compatibility Level	X	X	X		X	X	X	
Programmable Parameter List Validation Checksum	X	X	X		X	X	X	

Program Parameters	System Type							
	DLC I6 1998 - 2004	DLCII I6 2004 - 2006	DLCII I6 for Export 2007 -	3 Box I6 1994 - 1997	DLC V8 1998 - 2004	DLCII V6 2005 - 2006	DLCII V8 2002 - 2006	3 Box V8 1994 - 1997
Radiator Shutter Closed Temperature	X	X	X	X	X	X	X	X
Radiator Shutter Enable	X	X	X	X	X	X	X	X
Radiator Shutter Open Temperature	X	X	X	X	X	X	X	X
Rated Engine Speed	X	X	X	X	X	X	X	X
Rated Power	X	X	X	X	X	X	X	X
Rear Axle Ratio High	X	X	X	X	X	X	X	X
Rear Axle Ratio Low	X	X	X	X	X	X	X	X
Regulation Type	X	X	X	X	X	X	X	X
Road Speed Limiting Control Mode	X	X	X	X	X	X	X	X
Service Interval Mode	X	X	X	X	X	X	X	X
Service Interval Reset Request	X	X	X	X	X	X	X	X
Service Soon Percent	X	X	X	X	X	X	X	X
Smart IST Brake							X	
Smart IST DDS							X	
Software Calibration Validation Checksum	X	X	X		X	X	X	
Software Strategy Validation Checksum	X	X	X		X	X	X	
Surge Tank Pressure	X	X	X	X	X	X	X	X
Time of Coolant System Fault Overlimit							X	
Tire Revs Per Mile	X	X	X	X	X	X	X	X
TLT N/VS Ratio Higher Gear Bound Transition Point	X	X	X	X	X	X	X	X
TLT N/VS Ratio Lower Gear Bound Transition Point	X	X	X	X	X	X	X	X
Torque Level Tailoring Mode	X	X	X	X	X	X	X	X
Total Engine Hours	X	X	X	X	X	X	X	X
Total Fuel Used	X	X	X	X	X	X	X	X
Total Miles	X	X	X	X	X	X	X	X
Traction Control Enable	X	X	X	X	X	X	X	X

Program Parameters	System Type							
	DLC I6 1998 - 2004	DLCII I6 2004 - 2006	DLCII I6 for Export 2007 -	3 Box I6 1994 - 1997	DLC V8 1998 - 2004	DLCII V6 2005 - 2006	DLCII V8 2002 - 2006	3 Box V8 1994 - 1997
Transmission Tailshaft Gear Teeth	X	X	X	X	X	X	X	X
Transmission Top Gear Ratio	X	X	X	X	X	X	X	X
Transmission Type	X	X	X	X	X	X	X	X
Two Speed Axle Enable	X	X	X	X	X	X	X	X
Variable Nozzle Turbine Turbo Enable	X	X	X	X	X	X	X	X
Vehicle Distance Service Interval	X	X	X	X	X	X	X	X
Vehicle Distance Starting Value	X	X	X	X	X	X	X	X
Vehicle Identification Number	X	X	X	X	X	X	X	X
Vehicle Personality Module Manufacturing Date				X				X
Vehicle Personality Module Revision Level				X				X
Vehicle Personality Module Serial Number				X				X
Vehicle Retarder Control Mode	X	X	X	X	X			
Vehicle Speed Select Mode	X	X		X	X	X	X	X
Vehicle Speed Signal Mode			X					
Water In Fuel Signal Enable	X	X	X		X	X	X	

Cummins Engines v.3.0

Coverage: EPA '07, '10, '13, and '17; Pre-EPA '07; and natural gas engines

The Cummins Engines software application v.3.0 provides diagnostic capability for Cummins electronic engines.

Supports

- ISB, ISC, ISL, ISX, and ISM (Pre-2004 with 9-pin Deutsch connector)
- ISB, ISC, ISL, ISX and ISM (2004 – 2006 with 9-pin Deutsch connector)
- ISM (2007 – 2009 with 9-pin Deutsch connector)
- ISB, ISC, ISL, and ISX (2007 – 2012 with 9-pin Deutsch connector)
- ISX (2013 – 2016 with OBD 16-pin and 9-pin Deutsch connector)
- ISB (2013 – 2016 with OBD 16-pin and 9-pin Deutsch connector)
- ISL (2013 – 2016 with OBD 16-pin and 9-pin Deutsch connector)
- X15 Engines (2017 – 2019 with OBD 16-pin and 9-pin Deutsch connector)
- B Engines (2017 – 2019 with OBD 16-pin and 9-pin Deutsch connector)
- L Engines (2017 – 2019 with OBD 16-pin and 9-pin Deutsch connector)
- CNG Engines (with OBD 16-pin and 9-pin Deutsch connector)

Note: CELECT and CELECT Plus are *not* supported.

Basic Functions

- Read Active Fault Codes
- Read and Clear Inactive Fault Codes
- View, Graph, and Record Engine Data
- Engine and Aftertreatment Support

Disclaimer:

Product specifications and data are subject to change without notice to improve functionality, reliability, design, or otherwise. Availability of tests and configurable parameters is dependent on both the vehicle concerned and the module loaded.

Cummins Engines

Special Tests

Special Tests	System Type				
	ISB Engines Pre - 2004 Vehicles Equipped with "CM550" ECU	ISC Engines Pre - 2004 Vehicles Equipped with "CM550" ECU	ISL Engines Pre - 2004 Vehicles Equipped with "CM550" ECU	ISX Engines Pre - 2004 Vehicles Equipped with "CM550" ECU	ISM Engines Pre - 2004 Vehicles Equipped with "CM550" ECU
Cylinder Cutout Test	x	x	x	x	x
Fuel Lift Pump Override	x	x	x	x	x

Special Tests	System Type				
	ISB Engines Pre - 2004 Vehicles Equipped with "CM554" ECU	ISC Engines Pre - 2004 Vehicles Equipped with "CM554" ECU	ISL Engines Pre - 2004 Vehicles Equipped with "CM554" ECU	ISX Engines Pre - 2004 Vehicles Equipped with "CM554" ECU	ISM Engines Pre - 2004 Vehicles Equipped with "CM554" ECU
Cylinder Cutout Test	x	x	x	x	x
Fuel Lift Pump Override	x	x	x	x	x

Special Tests	System Type				
	ISB Engines Pre - 2004 Vehicles Equipped with "CM570" ECU	ISC Engines Pre - 2004 Vehicles Equipped with "CM570" ECU	ISL Engines Pre - 2004 Vehicles Equipped with "CM570" ECU	ISX Engines Pre - 2004 Vehicles Equipped with "CM570" ECU	ISM Engines Pre - 2004 Vehicles Equipped with "CM570" ECU
Cylinder Cutout Test	x	x	x	x	x
Fuel Lift Pump Override	x	x	x	x	x

Special Tests	System Type				
	ISB Engines 2004 - 2006 Vehicles Equipped with "CM850" ECU EPA 04 Compliant	ISC Engines 2004 - 2006 Vehicles Equipped with "CM850" ECU EPA 04 Compliant	ISL Engines 2004 - 2006 Vehicles Equipped with "CM850" ECU EPA 04 Compliant	ISX Engines 2004 - 2006 Vehicles Equipped with "CM850" ECU EPA 04 Compliant	ISM Engines 2004 - 2006 Vehicles Equipped with "CM850" ECU EPA 04 Compliant
Cylinder Cutout Test	x	x	x	x	x
EGR Valve Test	x	x	x	x	x
Engine Abuse History	x	x	x	x	x
Engine State Monitor	x	x	x	x	x
Fuel Lift Pump Override	x	x	x	x	x
Turbocharger Actuator Test	x	x	x	x	x

Special Tests	System Type				
	ISB Engines 2004 - 2006 Vehicles Equipped with "CM870" ECU EPA 04 Compliant	ISC Engines 2004 - 2006 Vehicles Equipped with "CM870" ECU EPA 04 Compliant	ISL Engines 2004 - 2006 Vehicles Equipped with "CM870" ECU EPA 04 Compliant	ISX Engines 2004 - 2006 Vehicles Equipped with "CM870" ECU EPA 04 Compliant	ISM Engines 2004 - 2006 Vehicles Equipped with "CM870" ECU EPA 04 Compliant
Cylinder Cutout Test	x	x	x	x	x
EGR Valve Test	x	x	x	x	x
Engine Abuse History	x	x	x	x	x
Engine State Monitor	x	x	x	x	x
Fuel Lift Pump Override	x	x	x	x	x
Turbocharger Actuator Test	x	x	x	x	x

Special Tests	System Type				
	ISB Engines 2004 - 2006 Vehicles Equipped with "CM875" ECU EPA 04 Compliant	ISC Engines 2004 - 2006 Vehicles Equipped with "CM875" ECU EPA 04 Compliant	ISL Engines 2004 - 2006 Vehicles Equipped with "CM875" ECU EPA 04 Compliant	ISX Engines 2004 - 2006 Vehicles Equipped with "CM875" ECU EPA 04 Compliant	ISM Engines 2004 - 2006 Vehicles Equipped with "CM875" ECU EPA 04 Compliant
Cylinder Cutout Test	x	x	x	x	x
EGR Valve Test	x	x	x	x	x
Engine Abuse History	x	x	x	x	x
Engine State Monitor	x	x	x	x	x
Fuel Lift Pump Override	x	x	x	x	x
Turbocharger Actuator Test	x	x	x	x	x

Special Tests	System Type				
	ISB Engines 2007 - 2009 Vehicles Equipped with "CM2150" ECU EPA 07 Compliant	ISC Engines 2007 - 2009 Vehicles Equipped with "CM2150" ECU EPA 07 Compliant	ISL Engines 2007 - 2009 Vehicles Equipped with "CM2150" ECU EPA 07 Compliant	ISX Engines 2007 - 2009 Vehicles Equipped with "CM871" ECU EPA 07 Compliant	ISM Engines 2007 - 2009 Vehicles Equipped with "CM876" ECU EPA 07 Compliant
AFT DPF Regeneration	X	X	X	X	X
AFT DEF System Leak Test	X	X	X	X	X
AFT Shutoff Valve and Injector Override Test	X	X	X	X	X
Cylinder Cutout Test	X	X	X	X	X
DEF Doser Pump Override Test	X	X	X	X	X
AFT Maintenance	X	X	X	X	X
DEF Dosing Heater Relay Test	X	X	X	X	X
Fan Override Test	X	X	X	X	X
Fuel System Leakage Test	X	X	X	X	X

Special Tests	System Type				
	ISB Engines 2007 - 2009 Vehicles Equipped with "CM2150" ECU EPA 07 Compliant	ISC Engines 2007 - 2009 Vehicles Equipped with "CM2150" ECU EPA 07 Compliant	ISL Engines 2007 - 2009 Vehicles Equipped with "CM2150" ECU EPA 07 Compliant	ISX Engines 2007 - 2009 Vehicles Equipped with "CM871" ECU EPA 07 Compliant	ISM Engines 2007 - 2009 Vehicles Equipped with "CM876" ECU EPA 07 Compliant
VGT Hysteresis Test	X	X	X	X	X
VGT Electronic Actuator Installation and Calibration	X	X	X	X	X
Reset DOC/DPF	X	X	X	X	X
AFT History	X	X	X	X	X
Reset Trip Info	X	X	X	X	X
DEF Line Heater 1 Relay Test	X	X	X	X	X
DEF Line Heater 2 Relay Test	X	X	X	X	X
DEF Line Heater 3 Relay Test	X	X	X	X	X
DEF Tank Heater 1 Relay Test	X	X	X	X	X
Fuel Injector Performance Test	X	X	X	X	X
AFT SCR System Test	X	X	X	X	X

Special Tests	System Type			
	ISB Engines 2010 - 2012 Vehicles Equipped with "CM2250" ECU EPA 10 Compliant	ISC Engines 2010 - 2012 Vehicles Equipped with "CM2250" ECU EPA 10 Compliant	ISL Engines 2010 - 2012 Vehicles Equipped with "CM2250" ECU EPA 10 Compliant	ISX Engines 2010 - 2012 Vehicles Equipped with "CM2250" ECU EPA 10 Compliant
AFT DPF Regeneration	X	X	X	X
AFT DEF System Leak Test	X	X	X	X
AFT Shutoff Valve and Injector Override Test	X	X	X	X
Cylinder Cutout Test	X	X	X	X
DEF Doser Pump Override Test	X	X	X	X
AFT Maintenance	X	X	X	X
DEF Dosing Heater Relay Test	X	X	X	X
Fan Override Test	X	X	X	X
Fuel System Leakage Test	X	X	X	X
VGT Hysteresis Test	X	X	X	X
VGT Electronic Actuator Installation and Calibration	X	X	X	X
Reset DOC/DPF	X	X	X	X
AFT History	X	X	X	X
Reset Trip Info	X	X	X	X
DEF Line Heater 1 Relay Test	X	X	X	X
DEF Line Heater 2 Relay Test	X	X	X	X
DEF Line Heater 3 Relay Test	X	X	X	X
DEF Tank Heater 1 Relay Test	X	X	X	X
Fuel Injector Performance Test	X	X	X	X
AFT SCR System Test	X	X	X	X

Note: In the following table the **red X** indicates that the test is dependent on the version of the software loaded on the vehicle. As a result, the test may, or may not, be available.

Special Tests	System Type		
	ISX Engines 2013 - 2016 Vehicles Equipped with "CM2350 ECU" EPA 13 Compliant	ISB Engines 2013 - 2016 Vehicles Equipped with "CM2350 ECU" EPA 13 Compliant	ISL Engines 2013 - 2016 Vehicles Equipped with "CM2350 ECU" EPA 13 Compliant
AFT DPF Regeneration	X	X	X
AFT DEF System Leak Test	X	X	X
AFT Shutoff Valve and Injector Override Test	X	X	X
Cylinder Cutout Test	X	X	X
DEF Doser Pump Override Test	X	X	X
Engine State Monitor	X	X	X
AFT Maintenance	X	X	X
AFT SCR Performance Test	X	X	X
DEF Line Heater Relay Test	X	X	X
DEF Tank Heater Control Valve Test	X	X	X
DEF Dosing Heater Relay Test	X	X	X
Fan Override Test	X	X	X
Fuel System Leakage Test	X	X	X
VGT Hysteresis Test	X	X	X
VGT Electronic Actuator Installation and Calibration	X	X	X

Special Tests	System Type			
	CNG Vehicles Equipped with "CM2180\CM2380 ECU" EPA 04 Compliant	CNG Vehicles Equipped with "CM2180\CM2380 ECU" EPA 07 Compliant	CNG Vehicles Equipped with "CM2180\CM2380 ECU" EPA 10 Compliant	CNG Vehicles Equipped with "CM2180\CM2380 ECU" EPA 13 Compliant
Cylinder Cutout Test	X	X	X	X
Engine State Monitor	X	X	X	X
Fan Override Test	X	X	X	X
Fuel System Leakage Test	X	X	X	X
VGT Hysteresis Test	X	X	X	X
VGT Electronic Actuator Installation and Calibration	X	X	X	X

Special Tests	System Type		
	X15 Engines 2017 - 2019 Vehicles Equipped with "CM2350 ECU" EPA 17 Compliant	B Engines 2017 - 2019 Vehicles Equipped with "CM2350 ECU" EPA 17 Compliant	L Engines 2017 - 2019 Vehicles Equipped with "CM2350 ECU" EPA 17 Compliant
AFT DPF Regeneration	X	X	X
AFT DEF System Leak Test	X	X	X
AFT Shutoff Valve and Injector Override Test	X	X	X
Cylinder Cutout Test	X	X	X
DEF Doser Pump Override Test	X	X	X
Engine State Monitor	X	X	X
AFT Maintenance	X	X	X

Special Tests	System Type		
	X15 Engines 2017 - 2019 Vehicles Equipped with "CM2350 ECU" EPA 17 Compliant	B Engines 2017 - 2019 Vehicles Equipped with "CM2350 ECU" EPA 17 Compliant	L Engines 2017 - 2019 Vehicles Equipped with "CM2350 ECU" EPA 17 Compliant
AFT SCR Performance Test	X	X	X
DEF Line Heater Relay Test	X	X	X
DEF Tank Heater Control Valve Test	X	X	X
DEF Dosing Heater Relay Test	X	X	X
Fan Override Test	X	X	X
Fuel System Leakage Test	X	X	X
VGT Hysteresis Test	X	X	X
VGT Electronic Actuator Installation and Calibration	X	X	X

Cummins Engines

Note: Calibrations are not available for Cummins engines Pre-2007.

Calibrations

Program Parameters	System Type				
	ISB Engines 2007 - 2009 Vehicles Equipped with "CM2150" ECU EPA 07 Compliant	ISC Engines 2007 - 2009 Vehicles Equipped with "CM2150" ECU EPA 07 Compliant	ISL Engines 2007 - 2009 Vehicles Equipped with "CM2150" ECU EPA 07 Compliant	ISX Engines 2007 - 2009 Vehicles Equipped with "CM871" ECU EPA 07 Compliant	ISM Engines 2007 - 2009 Vehicles Equipped with "CM876" ECU EPA 07 Compliant
Enable / Disable Cruise Control	X	X	X	X	X
Change Maximum Vehicle Speed	X	X	X	X	X
Change Maximum Cruise Control Speed	X	X	X	X	X
Idle Shutdown	X	X	X	X	X
Change Maximum Accelerator Vehicle Speed	X	X	X	X	X
PTO State	X	X	X	X	X
PTO Maximum Engine Load	X	X	X	X	X
PTO Maximum Vehicle Speed	X	X	X	X	X
PTO Maximum Speed	X	X	X	X	X
PTO Minimum Speed	X	X	X	X	X
PTO Additional Switch Speed	X	X	X	X	X
PTO Resume Switch Speed	X	X	X	X	X
PTO Set Switch Speed	X	X	X	X	X
PTO Ramp Rate	X	X	X	X	X
Cab PTO	X	X	X	X	X
PTO Pump Mode	X	X	X	X	X
PTO Pump Mode Vehicle Speed Sensor Override	X	X	X	X	X
PTO Pump Mode Maximum Vehicle Speed	X	X	X	X	X

Program Parameters	System Type				
	ISB Engines 2007 - 2009 Vehicles Equipped with "CM2150" ECU EPA 07 Compliant	ISC Engines 2007 - 2009 Vehicles Equipped with "CM2150" ECU EPA 07 Compliant	ISL Engines 2007 - 2009 Vehicles Equipped with "CM2150" ECU EPA 07 Compliant	ISX Engines 2007 - 2009 Vehicles Equipped with "CM871" ECU EPA 07 Compliant	ISM Engines 2007 - 2009 Vehicles Equipped with "CM876" ECU EPA 07 Compliant
Transmission Driven PTO	X	X	X	X	X
Transmission Driven PTO Type	X	X	X	X	X
Vehicle Speed Sensor Operation	X	X	X	X	X
PTO Ignore VSS	X	X	X	X	X

Program Parameters	System Type			
	ISB Engines 2010 - 2012 Vehicles Equipped with "CM2250" ECU EPA 10 Compliant	ISC Engines 2010 - 2012 Vehicles Equipped with "CM2250" ECU EPA 10 Compliant	ISL Engines 2010 - 2012 Vehicles Equipped with "CM2250" ECU EPA 10 Compliant	ISX Engines 2010 - 2012 Vehicles Equipped with "CM2250" ECU EPA 10 Compliant
Enable / Disable Cruise Control	X	X	X	X
Change Maximum Cruise Control Speed	X	X	X	X
Idle Shutdown	X	X	X	X
Change Maximum Vehicle Speed	X	X	X	X
Change Maximum Accelerator Vehicle Speed	X	X	X	X
PTO State	X	X	X	X
PTO Maximum Engine Load	X	X	X	X
PTO Maximum Vehicle Speed	X	X	X	X
PTO Maximum Speed	X	X	X	X
PTO Minimum Speed	X	X	X	X
PTO Additional Switch Speed	X	X	X	X
PTO Resume Switch Speed	X	X	X	X
PTO Set Switch Speed	X	X	X	X

Program Parameters	System Type			
	ISB Engines 2010 - 2012 Vehicles Equipped with "CM2250" ECU EPA 10 Compliant	ISC Engines 2010 - 2012 Vehicles Equipped with "CM2250" ECU EPA 10 Compliant	ISL Engines 2010 - 2012 Vehicles Equipped with "CM2250" ECU EPA 10 Compliant	ISX Engines 2010 - 2012 Vehicles Equipped with "CM2250" ECU EPA 10 Compliant
PTO Ramp Rate	X	X	X	X
Cab PTO	X	X	X	X
PTO Pump Mode	X	X	X	X
PTO Pump Mode Vehicle Speed Sensor Override	X	X	X	X
PTO Pump Mode Maximum Vehicle Speed	X	X	X	X
Transmission Driven PTO	X	X	X	X
Transmission Driven PTO Type	X	X	X	X
Vehicle Speed Sensor Operation	X	X	X	X
PTO Ignore VSS	X	X	X	X
Injector Barcode Cylinder 1	X	X	X	X
Injector Barcode Cylinder 2	X	X	X	X
Injector Barcode Cylinder 3	X	X	X	X
Injector Barcode Cylinder 4	X	X	X	X
Injector Barcode Cylinder 5	X	X	X	X
Injector Barcode Cylinder 6	X	X	X	X
Injector Barcode Cylinder 7	X	X	X	X
Injector Barcode Cylinder 8	X	X	X	X

Program Parameters	System Type		
	ISX Engines 2013 - 2016 Vehicles Equipped with "CM2350 ECU" EPA 13 Compliant	ISB Engines 2013 - 2016 Vehicles Equipped with "CM2350 ECU" EPA 13 Compliant	ISL Engines 2013 - 2016 Vehicles Equipped with "CM2350 ECU" EPA 13 Compliant
Idle Shutdown	X	X	X
Change Maximum Vehicle Speed	X	X	X
Enable / Disable Cruise Control	X	X	X
Change Maximum Cruise Control Speed	X	X	X
PTO State	X	X	X
PTO Maximum Engine Load	X	X	X
PTO Maximum Vehicle Speed	X	X	X
PTO Maximum Speed	X	X	X
PTO Minimum Speed	X	X	X
PTO Additional Switch Speed	X	X	X
PTO Resume Switch Speed	X	X	X
PTO Set Switch Speed	X	X	X
PTO Ramp Rate	X	X	X

Program Parameters	System Type			
	CNG Vehicles Equipped with "CM2180\CM2380 ECU" EPA 04 Compliant	CNG Vehicles Equipped with "CM2180\CM2380 ECU" EPA 07 Compliant	CNG Vehicles Equipped with "CM2180\CM2380 ECU" EPA 10 Compliant	CNG Vehicles Equipped with "CM2180\CM2380 ECU" EPA 13 Compliant
Idle Shutdown	X	X	X	X
Change Maximum Vehicle Speed	X	X	X	X
Enable / Disable Cruise Control	X	X	X	X
Change Maximum Cruise Control Speed	X	X	X	X
PTO State	X	X	X	X
PTO Maximum Engine Load	X	X	X	X

Program Parameters	System Type			
	CNG Vehicles Equipped with "CM2180\CM2380 ECU" EPA 04 Compliant	CNG Vehicles Equipped with "CM2180\CM2380 ECU" EPA 07 Compliant	CNG Vehicles Equipped with "CM2180\CM2380 ECU" EPA 10 Compliant	CNG Vehicles Equipped with "CM2180\CM2380 ECU" EPA 13 Compliant
PTO Maximum Vehicle Speed	X	X	X	X
PTO Maximum Speed	X	X	X	X
PTO Minimum Speed	X	X	X	X
PTO Additional Switch Speed	X	X	X	X
PTO Resume Switch Speed	X	X	X	X
PTO Set Switch Speed	X	X	X	X
PTO Ramp Rate	X	X	X	X

Program Parameters	System Type		
	X15 Engines 2017 - 2019 Vehicles Equipped with "CM2350 ECU" EPA 17 Compliant	B Engines 2017 - 2019 Vehicles Equipped with "CM2350 ECU" EPA 17 Compliant	L Engines 20173 - 2019 Vehicles Equipped with "CM2350 ECU" EPA 17 Compliant
Enable / Disable Cruise Control	X	X	X
Change Maximum Cruise Control Speed	X	X	X
Idle Shutdown	X	X	X
Change Maximum Vehicle Speed	X	X	X
Change Maximum Accelerator Vehicle Speed	X	X	X
PTO State	X	X	X
PTO Maximum Engine Load	X	X	X
PTO Maximum Vehicle Speed	X	X	X
PTO Maximum Speed	X	X	X
PTO Minimum Speed	X	X	X
PTO Additional Switch Speed	X	X	X
PTO Resume Switch Speed	X	X	X

Program Parameters	System Type		
	X15 Engines 2017 - 2019 Vehicles Equipped with "CM2350 ECU" EPA 17 Compliant	B Engines 2017 - 2019 Vehicles Equipped with "CM2350 ECU" EPA 17 Compliant	L Engines 20173 - 2019 Vehicles Equipped with "CM2350 ECU" EPA 17 Compliant
PTO Set Switch Speed	X	X	X
PTO Ramp Rate	X	X	X
Cab PTO	X	X	X
PTO Pump Mode	X	X	X
PTO Pump Mode Vehicle Speed Sensor Override	X	X	X
PTO Pump Mode Maximum Vehicle Speed	X	X	X
Transmission Driven PTO	X	X	X
Transmission Driven PTO Type	X	X	X
Vehicle Speed Sensor Operation	X	X	X
PTO Ignore VSS	X	X	X
Injector Barcode Cylinder 1	X	X	X
Injector Barcode Cylinder 2	X	X	X
Injector Barcode Cylinder 3	X	X	X
Injector Barcode Cylinder 4	X	X	X
Injector Barcode Cylinder 5	X	X	X
Injector Barcode Cylinder 6	X	X	X
Injector Barcode Cylinder 7	X	X	X
Injector Barcode Cylinder 8	X	X	X

Volvo/Mack v.3.0

Coverage: EPA '07, '10, and '13

The Volvo/Mack software application v.3.0 provides diagnostic capability for Volvo and Mack electronic engines.

Basic Functions

- Read Active Faults
- Read and Clear Inactive Faults
- View Diagnostic Parameters

Note: Calibrations (i.e., programmable parameters) are not supported.

Disclaimer:

Product specifications and data are subject to change without notice to improve functionality, reliability, design, or otherwise. Availability of tests and configurable parameters is dependent on both the vehicle concerned and the module loaded.

Volvo/Mack

Special Tests

Special Tests	System Type
	Volvo Mack EPA '07 and EPA '10
ACM Learned Data Reset	X
AFT Injector Adaptive Factor Reset	X
DPF Regeneration	X
Injector Cutout	X
SCR-DEF Hose Heating Resistors	X
SCR-DEF Tank Heating Valve	X
SCR Dosing, 120 Seconds and 240g	X
SCR Dosing, 120 Seconds and 60g	X
SCR Dosing, 2 Seconds and 0.02g	X
SCR Dosing, Exit Inducement	X
Reset Learned Engine Data	X
Soot Level Reset	X

Special Tests	System Type
	Volvo Mack EPA '13 with OBD II 16-Pin Connector
Aftertreatment DPF System Reset	X
Aftertreatment Hydrocarbon Dosing	X
Boost Pressure Test Drive	X
Compression Brake Test	X
Cylinder Balancing	X

Special Tests	System Type
	Volvo Mack EPA '13 with OBD II 16-Pin Connector
Cylinder Compression	X
DPF Regeneration	X
EGR Valve Control	X
Engine Protection Data Service Routine	X
Exhaust AFT System Active Diagnostic Test	X
Fuel Pressure	X
Hydrocarbon Doser functionality test	X
Injector Click Test	X
Injector Cutout	X
Intake and Exhaust Systems Check	X
NOx Conversion Test	X
Oil Pressure Test service routine	X
Piston Cooling Jet Valve Control	X
SCR-Crystal Sublimation	X
SCR-DEF Dosing	X
SCR-DEF Hose Heating Resistors	X
SCR-DEF Pressure Build	X
SCR-DEF Tank Heating Valve	X
SCR-System Drain	X
Variable Geometry Turbo Function Service Routine	X
View and Reset All Trip Data	X
Wiper Run Mode state	X

Note: The Volvo/Mack application does not support calibrations.

Hino Engines v.1.0

Coverage: 2005 - Current

The Hino Engines software application v.1.0 provides diagnostic capability for Hino electronic engines.

Supports

- Hino® 600 Series Conventional (2005-Current) Vehicles
- Hino® 300 Series Cab-Over (2012-Current) Vehicles

Basic Functions

- Read Active Faults
- Read and Clear Inactive Faults
- View Engine Data

Disclaimer:

Product specifications and data are subject to change without notice to improve functionality, reliability, design, or otherwise. Availability of tests and configurable parameters is dependent on both the vehicle concerned and the module loaded.

Hino Engines

Special Tests

Special Tests	System Type									
	Series 600 2005-2007	Series 600 2008-2010	Series 600 2011-2014	Series 600 2011-2020	Series 600 2015-2020	Series 300 2012-2013	Series 300 2012-2014	Series 300 2012-2020	Series 300 2014-2020	Series 300 2015-2020
Atomization Air Pressure Valve			X							
Atomizer Fuel Injection			X							
Atomizer Injector Opening			X							
Atomizer Master Air Valve			X							
Backflow Line Heater					X					
Burner Maintenance Distance Reset					X			X		
Combustion Air Valve			X							
Coolant Shutoff Valve				X	X		X			X
DEF Dosing				X	X		X			X
DEF Leak Check				X	X		X			X
DEF Pump Reverting Valve				X	X		X			X
DPF Regeneration	X	X			X			X		
EGR Actuation	X	X			X			X		
Engine Retarder Light				X						
Exhaust Brake Actuation	X				X			X		
Exhaust Brake Light				X		X			X	
Fuel Leak Inspection	X	X			X			X		
Fuel Pump			X							
Glow Plug Activation	X	X			X			X		
Heater Relay					X					
Ignition Coil			X							
Injector Cutout	X	X			X			X		

Special Tests	System Type									
	Series 600 2005-2007	Series 600 2008-2010	Series 600 2011-2014	Series 600 2011-2016	Series 600 2015-2016	Series 300 2012-2013	Series 300 2012-2014	Series 300 2012-2016	Series 300 2014-2016	Series 300 2015-2016
Intake Throttle Valve Actuation	X	X			X			X		
Pressure Line Heater					X					
SCR Memory Reset					X			X		
Start Inhibit-Cranking Only					X			X		
Suction Line Heater					X					
Tachometer Display				X						
Target RPM	X	X			X			X		
VNT Actuation	X	X			X			X		

Hino Engines

Calibrations

Program Parameter	System Type					
	Series 600 2005-2007	Series 600 2008-2010	Series 600 2011-2020	Series 300 2012-2013	Series 300 2012-2020	Series 300 2014-20120
Cylinder 1 Injector Code	X	X	X		X	
Cylinder 2 Injector Code	X	X	X		X	
Cylinder 3 Injector Code	X	X	X		X	
Cylinder 4 Injector Code	X	X	X		X	
Cylinder 5 Injector Code	X	X	X		X	
Cylinder 6 Injector Code	X	X	X		X	
DPF Soot Load		X	X		X	
Maximum Set Cruise Speed	X	X	X	X		X
Maximum Vehicle Speed	X	X	X	X		X
Preset PTO Set Speed 1			X		X	
Preset PTO Set Speed 2			X		X	

PACCAR Engines v.1.0

Coverage: EPA '10 and EPA'13

The PACCAR Engines (Peterbilt/Kenworth) v.1.0 software application provides diagnostic capability for PACCAR MX electronic engines.

Supports

- EPA '10 PACCAR MX engines
- EPA '13 PACCAR MX engines

Basic Functions

- Read Active Fault Codes
- Read and Clear Inactive Fault Codes
- View Diagnostic Parameters

Note: Calibrations (i.e., programmable parameters) are not supported.

Disclaimer:

Product specifications and data are subject to change without notice to improve functionality, reliability, design, or otherwise. Availability of tests and configurable parameters is dependent on both the vehicle concerned and the module loaded.

PACCAR Engines: Special Tests

Special Tests	System Type	
	EPA '10 PACCAR MX Engines	EPA '13 PACCAR MX Engines
AFT History	X	X
Cleaned Filter - DPF Reinstallation	X	X
Cylinder Compression Test	X	X
Cylinder Contribution Test		X
Cylinder Performance Test	X	X
DEF Dosing Quantity	X	X
DEF Line Heaters		X
DEF Line Heater 1 (Pressure Line)	X	
DEF Line Heater 2 (Return Line)	X	
DEF Line Heater 3 (Inlet Line)	X	
DEF Pump Heater		X
DEF System Leak Test	X	X
DEF Tank Heater Control Valve	X	X
Disable DEF De-rate		X
Dosing Injector Tests	X	X
DPF Maintenance	X	X
DPF Regeneration	X	X
Exhaust Back Pressure Valve "BPV" Actuator	X	
Injector Code Programming	X	X
Injector Cutout		X
Injector Pump Code Programming	X	X
Lamp Tests	X	X
New Filter - DPF De-Greening	X	X
Turbo Actuator Calibration		X
Turbo Actuator Diagnostics	X	X
Turbo Actuator Installation		X

Transmission Applications

Allison® Transmission Suite

1K/2K



WTEC



GEN IV



GEN V



Allison® Transmission Suite

The Ultra Allison Transmission Suite provides diagnostic and testing capability for Allison transmissions.

Supports

- 1K/2K
- WTEC
- CEC 1 (there are no special tests available for the CEC 1 application)
- GEN IV
- GEN 5

Basic Functions

- Read Fault Codes
- Clear Fault Codes
- View Data Lists
- View, Graph, and Record Engine Data

Note: Calibrations (i.e., programmable parameters) are not supported.

Disclaimer:

Product specifications and data are subject to change without notice to improve functionality, reliability, design, or otherwise. Availability of tests and configurable parameters is dependent on both the vehicle concerned and the module loaded.

Allison 1K/2K

Special Tests

Special Tests	System Type
	Allison 1K/2K - GEN 3
Outputs	X
Inputs	X
Solenoid Test	X
Gear Command Test	X

Allison WTEC

Special Tests

Special Tests	System Type	
	WTEC II	WTEC III
Input/Output Wires	X	X
Clutch Test	X	X
Activate Fast Adaptive Mode	X	X
Re-Initialize Adaptive Shifts	X	X
Clear Throttle	X	X
Reset Autodetect Parameters		X

Allison GEN IV

Special Tests

Special Tests	System Type	
	Allison GEN 4 - 1K/2K	Allison GEN 4 - 3K/4K
Gear Command	X	X
Reverse Warning Lamp	X	X
Transmission Fault Lamp	X	X
Reset Throttle Calibration	X	X
Shift Adapts Monitor	X	X
Input Functions Monitor	X	X
Output Functions Monitor	X	X

Allison GEN 5

Special Tests

Special Tests	System Type			
	Allison GEN 5 - 1K/2K	Allison GEN 5 - 3K/4K	Allison GEN 5 - TC10	Allison GEN 5 - H3K
Reset Adaptive Shift Parameters	X	X		
Clear All Shift Adaptive Data	X	X		
Reset Auto Detect Oil Level Sensor	X	X		
Lamp Tests	X	X		
Output Tests	X	X		
Clutch Test Enabled	X	X		

Brake Applications

Bendix® Air ABS



WABCO® Suite



Trailer ABS Suite



Bendix® Air ABS v2.0

The Bendix Air ABS v2.0 software application provides the capability to test and diagnose vehicles using Bendix systems.

Supports

- EC-17™
- EC-30™
- EC- 60™
- EC-80™
- EC-30™ T
- TABS-6™
- TABS-6™ Advanced
- SmarTire® Tire Pressure Monitoring System (TPMS)

Note: Bendix Air ABS v.2.0 does not support EC-16.

Basic Functions

- Read Active Fault Codes
- Read and Clear Inactive Fault Codes
- View Brake Data

Notes:

- Universal J560 PLC Adapter required for trailer brake PLC systems—PN 604020 (sold separately).
- The Universal J560 PLC Adapter requires the J560 7-Way Cable set—PN 424001 (sold separately).

Disclaimer:

Product specifications and data are subject to change without notice to improve functionality, reliability, design, or otherwise. Availability of tests and configurable parameters is dependent on both the vehicle concerned and the module loaded.

Bendix Air ABS

Special Tests

Special Tests	System Type							
	Bendix C-17	Bendix EC-30	Bendix EC-30T	Bendix EC-60	Bendix EC-60T	Bendix TABS-6 Advanced	Bendix EC-80	Bendix SmarTire® TPMS
ATC Valve	X	X		X			X	
Axles Setup								X
Calibrate Lateral Acceleration Sensor							X	
Calibrate Steering Angle Sensor							X	
Chuff Modulators		X		X		X	X	
Disable Traction Control	X	X						
Drag Torque							X	
Energize Relay								
Engine Limiting		X		X			X	
eTrack Solenoid							X	
HSA Solenoid							X	
Lamps	X	X	X	X	X	X	X	
Load Battery Voltage		X	X	X	X	X	X	
Modulators				X	X	X	X	
Outputs				X				
Pulse Modulators	X	X	X					
Reset ECU	X	X	X	X	X	X		
Retarder Relay	X	X						
Self Configuration	X	X	X	X	X		X	
Sensor Sequence		X	X	X	X	X	X	
Serial Retarder		X						
Test Modulators	X	X	X					
Write TSC1 Torque Limit								

Bendix Air ABS

Calibrations

Note: There are no special tests available for TABS-6 Advanced or for SmarTire® TPMS.

Program Parameters	System Type					
	Bendix EC-17	Bendix EC-30	Bendix EC-30T	Bendix EC-60	Bendix EC-60T	Bendix EC-80
86 Tooth Front Tone	X					
ABS Control Status Broadcast	X					
ABS Control Type		X				
ABS Off During Diff Lock						X
ABS Off When Diff Lock				X		
Add Axle Tire Size						
Add Axle Tone Ring Size						
Add Axle Wheel Roll Radius				X		
ATC Brake Control		X				
ATC Control Status Broadcast	X					
ATC Control Type						
ATC Engine Control		X				
ATC Valve Available				X		
Auxiliary Input Function #1		X	X			
Auxiliary Input Function #2		X	X			
Auxiliary Input Function #3			X			
Auxiliary Input Function #4			X			
Auxiliary Input Function #5			X			
Base Traction Control - Brake Control						
Base Traction Control - Engine Control						
Base Traction Control - Indicate Spin						
Battery Voltage Broadcast	X					

Program Parameters	System Type					
	Bendix EC-17	Bendix EC-30	Bendix EC-30T	Bendix EC-60	Bendix EC-60T	Bendix EC-80
Brake Control Available				X		
Brakes Message Broadcast						
Cruise Control/Wheel Speed				X		
Cruise Control/Wheel Speed Broadcast						X
Default Configuration Index		X				
Differential Brake	X					
Differential Braking		X				
Disable LED/MAG	X					
Drive Axle Tire Size						X
Drive Axle Tone Ring Size						X
Drive Axle Wheel Roll Radius				X		
Dual Traction Lamp Control		X				
ECU Hardware Configuration		X	X			
Enable Enhanced PLC Communications		X	X			
Engine Control Available				X		
Engine Limiting		X				
Engine Retarder Control						X
Engine Type						X
Enhanced PLC Communication		X	X			
Fault Latch		X	X			
Front Axle	X					
Front Axle ABS Configuration						X
Front Axle Constant		X	X			
Front Axle Wheel Roll Radius					X	
Front Radius						X
High Resolution Wheel Speed				X		
High Resolution Wheel Speed Broadcast						X

Program Parameters	System Type					
	Bendix EC-17	Bendix EC-30	Bendix EC-30T	Bendix EC-60	Bendix EC-60T	Bendix EC-80
J1587 ABS Status Broadcast		X	X			
J1587 ATC Status Broadcast		X				
J1587 Battery Voltage Broadcast		X	X			
J1587 Brake Switch Broadcast		X				
J1587 Broadcast ABS Control Status				X	X	
J1587 Broadcast Battery Voltage				X	X	
J1587 Broadcast Battery Voltage Switch				X		
J1587 Broadcast Diagnostic Codes				X	X	
J1587 Broadcast Push Ch1 Tire Pressure						X
J1587 Broadcast Push Ch1 Tire Pressure Target						X
J1587 Broadcast Required Param				X	X	
J1587 Broadcast Road Speed				X	X	
J1587 Broadcast Total Vehicle Distance					X	
J1587 Broadcast Trailer ABS				X	X	
J1587 Broadcast Vehicle Wet Tank Pressure						X
J1587 Road Speed Broadcast		X	X			
J1587 Total Vehicle Distance Broadcast			X			
J1587 Trailer ABS Status Broadcast		X				
J1922 Engine Control	X					
J1939 ABS Warning Lamp Control		X				
J1939 ATC Warning Lamp Control		X				
J1939 Cruise Control Broadcast		X				
J1939 Engine Control	X					
J1939 High Resolution Wheel Speed Broadcast		X				
J1939 Traction Switch		X				
J1939 Wheel Speed Broadcast		X				

Program Parameters	System Type					
	Bendix EC-17	Bendix EC-30	Bendix EC-30T	Bendix EC-60	Bendix EC-60T	Bendix EC-80
J2497 ABS Status Broadcast		X	X			
J2497 ATC Status Broadcast		X				
J2497 Battery Voltage Broadcast		X	X			
J2497 Brake Switch Broadcast		X				
J2497 Broadcast ABS Control Status				X	X	
J2497 Broadcast Battery Voltage				X	X	
J2497 Broadcast Battery Voltage Switch				X		
J2497 Broadcast Diagnostic Codes				X	X	
J2497 Broadcast Push Ch1 Tire Pressure						X
J2497 Broadcast Push Ch1 Tire Pressure Target						X
J2497 Broadcast Required Param				X	X	
J2497 Broadcast Road Speed				X	X	
J2497 Broadcast Total Vehicle Distance					X	
J2497 Broadcast Trailer ABS				X	X	
J2497 Broadcast Vehicle Wet Tank Pressure						X
J2497 Road Speed Broadcast		X	X			
J2497 Total Vehicle Distance Broadcast			X			
J2497 Trailer ABS Status Broadcast		X				
Latch All Faults	X					
Lift Axle		X	X		X	
Middle Axle	X					
Middle Axle Constant		X	X			
Middle Radius						X
MIR Control	X					
Monitor Brake Switch		X				
Mud and Snow Switch						X
Odometer					X	

Program Parameters	System Type					
	Bendix EC-17	Bendix EC-30	Bendix EC-30T	Bendix EC-60	Bendix EC-60T	Bendix EC-80
Preset Odometer			X			
Rear Axle	X					
Rear Axle Constant		X	X			
Rear Axle Wheel Roll Radius					X	
Rear Radius						X
Retarder Chuff		X				
Retarder Datalink Available				X		
Retarder Disable Output Active		X				
Retarder Rattles	X					
Retarder Relay Available				X		
Road Speed Broadcast	X					
Sensor Analog	X					
Sensor Modulator Configuration	X	X	X	X	X	
Serial Engine Retarder	X					
Serial Retard		X				
Service Odometer					X	
Steer Axle Control			X			
Steer Axle Tire Size						X
Steer Axle Tone Ring Size						X
Steer Axle Wheel Roll Radius				X		
Tag Axle Present	X					
Timestamp Configuration		X				
Traction Control						
Traction Control With Wheel Speeds		X				
Traction Switch Configuration		X				
Trailer ABS Lamp		X				
Trailer Brake Switch Configuration			X			

Program Parameters	System Type					
	Bendix EC-17	Bendix EC-30	Bendix EC-30T	Bendix EC-60	Bendix EC-60T	Bendix EC-80
Uniform Traction Algorithm		X				
Wheel Speed Information				X		
Wheel Speed Information Broadcast						X

WABCO® Suite

The WABCO Suite provides diagnostic and testing capability for WABCO brake electronic systems.

Supports

- ABS Air—Tractor and Trailer
- Hydraulic ABS (HABS)—Tractor
- OnGuard™ Collision Mitigation System (CMS)

Note: OnGuard CMS does not support special tests or calibrations.

Basic Functions

- Read Active Fault Codes
- Read and Clear Inactive Fault Codes
- View Brake Data

Notes:

- Universal J560 PLC Adapter required for trailer brake PLC systems—PN 604020 (sold separately).
- The Universal J560 PLC Adapter requires the J560 7-Way Cable set—PN 424001 (sold separately).

Disclaimer:

Product specifications and data are subject to change without notice to improve functionality, reliability, design, or otherwise. Availability of tests and configurable parameters is dependent on both the vehicle concerned and the module loaded.

WABCO Air ABS—Tractor and Trailer

Special Tests

Special Tests	System Type							
	WABCO 12/24V Version E-4.3 Basic, Universal, Frame	WABCO 12/24V Version E-4.4 Basic, Universal, Frame	WABCO 12/24V Version E-4.5 Basic, Universal, Frame	WABCO OnGuard RADAR	WABCO RSS	WABCO 12/24V Version D Basic, Universal, Frame	WABCO 12/24V Version E 208 Basic, Universal, Frame	WABCO TCS 1 and TCS 2 Trailer ABS
Lamp Tests	X	X	X			X	X	X
Valve Tests								X
Relay Test	X	X	X			X	X	
Data Link Tests	X	X	X			X	X	
Wheel Sensor Sequence Test								X
Sensor Orientation Test								X
Sensor Orientation Test with Lift Axle								X

WABCO Air ABS—Tractor and Trailer

Calibrations

Program Parameters	System Type
	WABCO TCS 1 and TCS 2: Trailer ABS
Service Miles	X
Revs/Mile	X

WABCO Hydraulic ABS (HABS)—Tractor

Special Tests

Special Tests	System Type	
	WABCO Hyd ABS HABS E Version	WABCO Hyd ABS HABS D Version
ABS Warning Lamp Test		X
Actuate Outputs		X
Actuate Valves		X
Brake Bleed Procedure		X
Reconfigure Retarder		X
Valve Actuation		X
Activate Lamps	X	
Activate Outputs	X	
Activate Retarder Relay	X	
ATC Enable - Disable	X	
Clear Counters	X	
Engine DataLink Test	X	
Parking Brake Test	X	
Retarder DataLink Test	X	
Actuate Valves	X	

Note: The WABCO Hydraulic ABS application does not support calibrations.

Trailer ABS Suite

The Trailer ABS Suite provides diagnostic and testing capability for Wabash, Eaton, and Haldex brake electronic systems utilizing the SAE J1587 communication protocol.

Supports

- Wabash ABS—Supports National MBS-1P and MBS-2
- Eaton ABS—Supports GEN4 and GEN5
- Haldex ABS—Supports PLC, PLC Plus, and PLC Select

Basic Functions

- Read Active Fault Codes
- Read and Clear Inactive Fault Codes
- View Proprietary Parameters
- View Brake Data

Notes:

- Universal J560 PLC Adapter required for trailer brake PLC systems—PN 604020 (sold separately).
- The Universal J560 PLC Adapter requires the J560 7-Way Cable set—PN 424001 (sold separately).

Disclaimer:

Product specifications and data are subject to change without notice to improve functionality, reliability, design, or otherwise. Availability of tests and configurable parameters is dependent on both the vehicle concerned and the module loaded.

Wabash ABS

Special Tests

Special Tests	System Type	
	Wabash Trailer ABS: MBS - 1P	Wabash Trailer ABS: MBS - 2
ABS Warning Lamp Test	X	X
Backup Lamp Test	X	X
Trailer Warning Lamp Test	X	X
Sensor Sequence Test	X	X

Note: The Wabash ABS application does not support calibrations.

Eaton ABS

Special Tests

Special Tests	System Type	
	Eaton Trailer ABS: Gen 4	Eaton Trailer ABS: Gen 5
Test Warning Lamp	X	X
Test Valves	X	X

Eaton ABS

Calibrations

Program Parameters	System Type	
	Eaton Trailer ABS: Gen 4	Eaton Trailer ABS: Gen 5
Self Configuration	X	
Self Configuration		X

Haldex ABS

Special Tests

Special Tests	System Type		
	Haldex PLC ABS	Haldex PLC Plus ABS	Haldex PLC Select ABS
Test Valves	X	X	X
Sensor Sequence Test	X	X	X
ABS Warning Lamp	X	X	X

Haldex ABS

Calibrations

Program Parameter	System Type		
	Haldex PLC ABS	Haldex PLC Plus ABS	Haldex PLC Select ABS
Tire Scale Factor	X	X	X
Tire Scale Factor	X	X	X
Distance to Service	X	X	X
Distance to Service	X	X	X
Reset Trip Distance	X	X	X
Reset Trip Distance	X	X	X
Clear Configuration	X	X	X

Body & Chassis Applications

NAVISTAR Body & Chassis



NAVISTAR Body & Chassis

Coverage: (2005-2017)

The Navistar® Body & Chassis application provides diagnostic capability for International® body and chassis systems.

Supports

- International® 4200/4300/4400 Series
- International® 7000 Series (2005 and newer)
- International® 8000 Series (2005 and newer)
- International® CF Series (2005 and newer)

Basic Functions

- Read and Clear Fault Codes
- View Expanded Proprietary Fault Code Descriptions
- Access Connector Pin Information
- View Vehicle Parameters and Features
- View Timers
- Graph Parameters and Record Snap Shots

Note: Special Tests and Calibrations (i.e., programmable parameters) are not supported.

Disclaimer:

Product specifications and data are subject to change without notice to improve functionality, reliability, design, or otherwise. Availability of tests and configurable parameters is dependent on both the vehicle concerned and the module loaded.

Generic Applications

Heavy Duty Standard (HDS) Suite

HDS J1708



HDS J1939



OBD II/EOBD



Heavy Duty Standard Suite

The difference between Heavy Duty Standard and our other applications:

- It's generic.
- You cannot change parameters or run special tests.
- It does not support Allison, Isuzu, or Hino.

Includes

- HDS J1708
- HDS J1939
- OBD II/EOBD

Basic Features

- Read Active Fault Codes
- Read and Clear Inactive Fault Codes
- View Non-proprietary Parameters
- View Trip Information
- View, Graph, and Record Engine Data

Note: Will not clear codes on Caterpillar® electronic engines.

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HDS J1708

Coverage: 1988 – Present

The HDS J1708 diagnostic application provides the functions necessary to diagnose most SAE J1708/J1587 electronic controlled systems (engines, transmissions, brakes). Provides generic information for the following systems:

- Caterpillar®
- Cummins®
- Detroit Diesel®
- Mack®
- Mercedes®
- Navistar/International®
- Volvo®
- Bendix®
- Eaton®
- Haldex®
- WABCO®
- Wabash®
- ZF Meritor®

HDS J1939

Coverage: 2007 – Present

The HDS J1939 diagnostic application provides the functions necessary to diagnose most SAE J1939 EPA '07 and newer electronic controlled systems (engines, transmissions, brakes).

Features

View Engine Data

- Engine Speed
- Injector Control Pressure
- Fuel Delivery Pressure
- Percent Load
- Air Inlet Temperature
- Inlet Air Mass Flow Rate

View Trip Data

- Trip Distance
- Trip Group 1
- Trip Group 2
- Trip Average Fuel Rate
- Trip Fuel Usage
- Instantaneous Fuel Economy
- Fuel Consumption Rate

View Diesel Particulate Filter Data

- Aftertreatment 1 Regeneration Status
- Aftertreatment 1 Total Number of Active Regeneration Inhibit Requests
- Particulate Trap Regeneration Inhibit Switch
- Particulate Trap Regeneration Force Switch
- Particulate Trap Lamp Command
- Exhaust System High Temperature Lamp Command
- Particulate Trap Passive Regeneration Status
- Particulate Trap Active Regeneration Status
- Particulate Trap Status

OBD II/EOBD

The OBD II/EOBD application provides diagnostic capability for most foreign and domestic vehicles that meet SAE OBD II standards. OBD II and European OBD (EOBD) support most foreign and domestic vehicles that meet SAE OBD II standards.

Vehicle Protocols Supported

- ISO 15765 (CAN 500 & GMLAN)
- J1850 VPW (GM® & Chrysler®)
- J1850 PWM (Ford®)
- ISO 9141 (Foreign)

EOBD Applications

- Heavy Duty Truck Engines
 - 2008 - 2015 PACCAR® MX Engines
 - 2013 - 2015 Volvo® Vehicles
- Medium Duty Engines
 - 2011 - 2015 Hino® Vehicles
 - 2011 - 2015 Fuso® Vehicles
 - 2010 - 2015 Isuzu® Vehicles
 - 2011 - 2015 UD® Vehicles

Light and Medium Truck Applications

Light and Medium Truck (LMT)

Dodge/RAM Vehicles	
GM Vehicles	
Isuzu and Hummer Vehicles	
Ford Vehicles	
Navistar CV Truck	
Workhorse	

Light and Medium Truck

Coverage: (1999-2019)

The LMT software application provides diagnostic capability for a wide range of light- and medium-duty trucks.

Includes generic OBD II.

Supports:

Dodge/RAM Engines • 3.6L V-6 VVT (2006-2019) • 5.7L HEMI (2006-2016)* • 5.9L Cummins (2006-2007) • 6.4L HEMI (2009-2019)* • 6.7L Cummins® (2007-2019)* <i>*Tests not available for these models for years 2018-2019.</i> Dodge/RAM Brakes and Transmissions RAM 1500-5500 (2006 – 2019) GM Engines • 3.0L (2019) • 4.3L (2000 and 2014-2019) • 4.8L (2011-2019) • 5.3L (2014-2019) • 6.0L (1999-2019) • 6.2L (2017-2019) • 8.1L (2000-2009) • 5.2L Duramax (2004-2009 and 2017-2019) • 6.6L Duramax (2001-2019) • 7.8L Duramax (2004-2009)	GM Brakes and Transmissions • C1500 – C7500 • K1500 – K3500 • T4500 – T7500 • P Chassis • W4 Chassis • Workhorse Note: Fault Code and Live Data support is available for the following modules (GM model years 2017-2019) : • Air Bag • Body • Chassis • Instrument Cluster • Remote Control Door Lock Receiver • Glow Plug • Power Take-Off • HVAC • HVAC Controls ISUZU Engines • 3.0L (2011-2018) • 5.2L (2005-2019) • 6.0L (2005-2019) ISUZU Brakes and Transmissions • NPR/NF3 • NQR/NRR • FTR	Ford Engines • 3.5L (2011-2019) • 3.7L (2011-2019) • 4.2L (2000-2008)* • 4.6L (2000-2016)* • 5.0L (2011-2019) • 5.4L (2000-2016) • 6.2L (2010-2019) • 6.8L (2000-2016) • 3.2 Powerstroke (2015-2019) • 6.0L Powerstroke (2003-2010) • 6.4L Powerstroke (2008-2010) • 6.7L Powerstroke (2011-2019) • 7.3L Powerstroke (2000-2003) <i>*Tests not available for these Ford engines.</i> Ford Brakes and Transmissions • E250 – E450 • F250 – F750	Navistar CV Truck • 6.6L Duramax-L5D (2019) • Allison Trans (faults only) • Body Control Module • Chassis • Glow Plug • Instrument Cluster • PTO Workhorse • 3.9L (2004-2005) • 4.3L (1999-2005) • 4.8L (2004-2012) • 5.0L (1999-2000) • 5.7L (1999-2004) • 6.0L (2003-2012) • 6.5L Diesel (1999-2005) • 6.5L Turbo Diesel (1999-2002) • 6.6L Duramax (2005-2006) • 7.4L (1999-2000) • 8.1L (2001-2012)

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Supported Tests

Dodge/RAM Vehicles: Diesel Engine Tests

Dodge/RAM Vehicles: Diesel Engine Tests	
Test Type	Test Name
Input Output Controls	• AC Discrete Output
Input Output Controls	• Transmission TCC
Input Output Controls	• Transmission Overdrive
Input Output Controls	• Cold Start Aid Driver 1 Output
Input Output Controls	• Lift Pump Relay
Input Output Controls	• Transmission Relay
Input Output Controls	• Wait to Start Lamp Driver Output
Input Output Controls	• Exhaust Brake Driver Output
Input Output Controls	• Fan Clutch PWM Duty Cycle Output (If Equipped)
Input Output Controls	• HPCR Duty Cycle Output (If Equipped)
Input Output Controls	• Intake Throttle Duty Cycle Output
Input Output Controls	• Exhaust Brake Switch Lamp
Input Output Controls	• Low-Reverse Solenoid
Input Output Controls	• 2C or 2-4 Solenoid
Input Output Controls	• Under-Drive Solenoid
Input Output Controls	• Over-Drive Solenoid
Input Output Controls	• 4C Solenoid
Input Output Controls	• Multi-Select (MS) Solenoid
Input Output Controls	• Radiator Fan 1 Duty Cycle
Input Output Controls	• Radiator Fan 2 Duty Cycle
Input Output Controls	• Actuator Test of Urea Back Flow Pump Actuator
Input Output Controls	• Actuator test for SCRDevRly
Input Output Controls	• Activate Fuel Lift Pump
Input Output Controls	• Pressure Regulator Valve
Input Output Controls	• Swirl Valve Actuator Test

Dodge/RAM Vehicles: Diesel Engine Tests	
Test Type	Test Name
Input Output Controls	• Electric Thermostat Heater
Input Output Controls	• PTC Cabin Heater 1 Status
Input Output Controls	• PTC Cabin Heater 2 Status
Input Output Controls	• PTC Cabin Heater 3 Status
Input Output Controls	• Air Condition
Input Output Controls	• LSU Heater 1
Input Output Controls	• MIL Lamp
Input Output Controls	• Crankcase Ventilation
Input Output Controls	• Glow Lamp
Input Output Controls	• Glow Relay
Input Output Controls	• Boost Pressure Actuator
Input Output Controls	• EGR Valve Actuator Test
Input Output Controls	• Oil Pressure Lamp
Input Output Controls	• Intake Air Throttle Actuator Test
Input Output Controls	• Fuel Filter Heater
Input Output Controls	• Boost Low Pressure Actuator
Input Output Controls	• Cooler Bypass Valve
Input Output Controls	• Fuel Filter Water Level Warning Lamp
Input Output Controls	• Metering Unit
Input Output Controls	• DPF Lamp
Input Output Controls	• SCR Relay Actuation Test
Input Output Controls	• Urea Dosing Valve Actuation Test
Input Output Controls	• Urea (Reductant) Pressure Line Heater Actuation Test
Input Output Controls	• Urea (Reductant) Tank Heater Actuation Test
Input Output Controls	• Signal Test for Brake Booster Vacuum Pump Actuator
Routines	• Injector Kill Test
Routines	• Cylinder Performance Test
Routines	• Fuel Pressure Override Test

Dodge/RAM Vehicles: Diesel Engine Tests	
Test Type	Test Name
Routines	Reset Regen Filter Timers
Routines	Mobile DeSoot - No Min Req'd Filter
Routines	Mobile DeSoot - Min Req'd Filter
Routines	VGT Actuator Prealign
Routines	VGT Actuator Self Calibration
Routines	Turbo Actuator Position Control Test
Routines	DPF Regeneration
Routines	Reset Duty Cycle Maps
Routines	DEF (Reductant) Doser Pump Override Test
Routines	DEF (Reductant) Doser Purge Count Reset
Routines	DEF (Reductant) Doser Prime Override Test
Routines	DEF (Reductant) Pressure Line Heater Test
Routines	DEF (Reductant) Return Line Heater Test
Routines	DEF (Reductant) Suction Line Heater Test
Routines	DEF (Reductant) Tank Heater Test
Routines	Fuel Pressure Override
Routines	Mobile DeSoot - No Min Required Soot Load
Routines	SCR Catalyst Efficiency Test
Routines	DPF Replacement
Routines	Alternator(s) Test

Supported Tests

Dodge/RAM Vehicles: Gas Engine Tests

Dodge/RAM Vehicles: Gas Engine Tests	
Test Type	Test Name
Input Output Controls	• Actuate All Outputs
Input Output Controls	• Fuel Injector #1 Control State
Input Output Controls	• Fuel Injector #2 Control State
Input Output Controls	• Fuel injector #3 Control State
Input Output Controls	• Fuel Injector #4 Control State
Input Output Controls	• Fuel Injector #5 Control State
Input Output Controls	• Fuel Injector #6 Control State
Input Output Controls	• Fuel Injector #7 Control State
Input Output Controls	• Fuel Injector #8 Control State
Input Output Controls	• EGR Valve Solenoid Duty Cycle
Input Output Controls	• Evaporative Purge Valve Solenoid Duty Cycle
Input Output Controls	• NVLD Evaporative Vent Valve Solenoid Control State
Input Output Controls	• IAC Valve Solenoid Control State
Input Output Controls	• Intake Manifold Tuning Valve (MTV) Solenoid Control State
Input Output Controls	• Intake Manifold Short Runner Valve (SRV) Solenoid Control State
Input Output Controls	• Speed Control (S/C) Vacuum Valve Solenoid Control State
Input Output Controls	• Speed Control (S/C) Vent Valve Solenoid Control State
Input Output Controls	• Speed Control (S/C) Servo Power Relay Control State
Input Output Controls	• A/C Compressor Clutch Relay Control State
Input Output Controls	• Double Start Override (DSO) Relay Control State
Input Output Controls	• Auto Shutdown (ASD) Relay Control State
Input Output Controls	• Fuel Pump Relay Control State
Input Output Controls	• Radiator Cooling Fan Relay #1 Control State
Input Output Controls	• Radiator Cooling Fan Relay #2 Control State
Input Output Controls	• Radiator Cooling Fan PWM Duty-Cycle

Dodge/RAM Vehicles: Gas Engine Tests	
Test Type	Test Name
Input Output Controls	• Radiator Cooling Fan PWM Control State
Input Output Controls	• Alternator Field Control State
Input Output Controls	• Alternator Field Duty-Cycle
Input Output Controls	• Oxygen Sensor 1/1 Heater Duty-Cycle
Input Output Controls	• Oxygen Sensor 2/1 Heater Duty-Cycle
Input Output Controls	• Oxygen Sensor 1/2 Heater Duty-Cycle
Input Output Controls	• Oxygen Sensor 2/2 Heater Duty-Cycle
Input Output Controls	• Wastegate Solenoid Control State
Input Output Controls	• Wastegate Solenoid Duty Cycle
Input Output Controls	• Surge Solenoid Control State
Input Output Controls	• Baro Read Solenoid Control State
Input Output Controls	• Cylinder 1 Deactivation Solenoid Control State
Input Output Controls	• Cylinder 4 Deactivation Solenoid Control State
Input Output Controls	• Cylinder 6 Deactivation Solenoid Control State
Input Output Controls	• Cylinder 7 Deactivation Solenoid Control State
Input Output Controls	• Secondary Air Pump
Input Output Controls	• Secondary Air Solenoid
Input Output Controls	• Proportional Purge Solenoid
Input Output Controls	• VFS Duty Cycle
Input Output Controls	• Low-Reverse Solenoid
Input Output Controls	• 2C or 2-4 Solenoid
Input Output Controls	• Under-Drive Solenoid
Input Output Controls	• Over-Drive Solenoid
Input Output Controls	• 4C Solenoid
Input Output Controls	• FS/LR Solenoid
Input Output Controls	• LC Solenoid
Input Output Controls	• DR Solenoid
Input Output Controls	• EMCC VLP Solenoid

Dodge/RAM Vehicles: Gas Engine Tests	
Test Type	Test Name
Input Output Controls	• Dual Speed Fuel Pump Relay
Input Output Controls	• HEV Engine Aux Heater LIN Coolant Pump
Input Output Controls	• HEV Engine Belt-Driven Coolant Pump Clutch Relay
Input Output Controls	• HEV Fuel Tank Isolation Valve solenoid
Input Output Controls	• HEV TPIM Inverter LIN Coolant Pump
Input Output Controls	• Skip Shift Solenoid
Input Output Controls	• Reverse Lockout Solenoid
Input Output Controls	• LIN Engine Electric Coolant Pump Duty Cycle
Input Output Controls	• VVT Exhaust Phaser 1 Actuator
Input Output Controls	• 2/4 Solenoid
Input Output Controls	• Multi-Select (MS) Solenoid
Input Output Controls	• Radiator/Condenser Cooling Fan Relay #1 Control State
Input Output Controls	• Radiator/Condenser Cooling Fan Relay #2 Control State
Input Output Controls	• Vacuum Pump Relay
Input Output Controls	• VVT Intake Phaser 1 Actuator
Input Output Controls	• VVT Intake Phaser 2 Actuator
Input Output Controls	• VVT Exhaust Phaser 2 Actuator
Input Output Controls	• Dual Speed Oil Pump
Input Output Controls	• Tumble Generator Valve
Input Output Controls	• VVA Solenoids Pre-Energization
Input Output Controls	• Electric Thermostat Heater Solenoid
Input Output Controls	• Electric Thermostat Heater Solenoid Duty Cycle
Input Output Controls	• Auxiliary Coolant Pump
Input Output Controls	• Gas Injector Relay
Input Output Controls	• CNG Shut Off Relay
Input Output Controls	• CNG Injector Relay
Input Output Controls	• Duty Cycle Purge Solenoid
Input Output Controls	• Multiair VVA Solenoid 1

Dodge/RAM Vehicles: Gas Engine Tests	
Test Type	Test Name
Input Output Controls	• Multiair VVA Solenoid 2
Input Output Controls	• Multiair VVA Solenoid 3
Input Output Controls	• Multiair VVA Solenoid 4
Input Output Controls	• Charge Motion Control Valve
Input Output Controls	• Engine After Run Coolant Pump
Input Output Controls	• AdBlue dosing valve
Input Output Controls	• Throttle valve actuator
Input Output Controls	• Turbocharger pressure actuator command
Input Output Controls	• CEGR H-Bridge Valve Duty Cycle
Input Output Controls	• Fuel pressure regulator valve
Input Output Controls	• Air conditioner relay command
Input Output Controls	• Urea tank heater
Input Output Controls	• Diesel Particulate Filter lamp command
Input Output Controls	• Water in fuel filter lamp command
Input Output Controls	• Engine oil pressure lamp command
Input Output Controls	• Cruise control lamp command
Input Output Controls	• Blow by heater relay command
Input Output Controls	• Glow lamp command
Input Output Controls	• Fuel pump relay command
Input Output Controls	• Engine water over temperature lamp command
Input Output Controls	• Urea pressure line heater
Input Output Controls	• SCR relay
Routines	• Injector Kill
Routines	• EGR Duty Cycle

Supported Tests

Dodge/RAM Vehicles: Transmission Tests

Dodge/RAM Vehicles: Transmission Tests	
Test Type	Test Name
Input Output Controls	• Low-Reverse Solenoid
Input Output Controls	• 2C or 2-4 Solenoid
Input Output Controls	• Under-Drive Solenoid
Input Output Controls	• Over-Drive Solenoid
Input Output Controls	• 4C Solenoid
Input Output Controls	• Multi-Select (MS) Solenoid
Input Output Controls	• Linear Solenoid A
Input Output Controls	• Linear Solenoid B
Input Output Controls	• Linear Solenoid C
Input Output Controls	• Linear Solenoid D
Input Output Controls	• Shift Solenoid A
Input Output Controls	• Shift Solenoid B
Input Output Controls	• Shift Solenoid C
Input Output Controls	• Shift Solenoid D
Input Output Controls	• PTO
Input Output Controls	• VFS Duty Cycle
Input Output Controls	• LC Solenoid
Input Output Controls	• DR Solenoid
Input Output Controls	• EMCC VLP Solenoid
Input Output Controls	• Transmission Clutch Control
Input Output Controls	• Linear Solenoid E
Input Output Controls	• Linear Solenoid F
Input Output Controls	• Linear Solenoid G

Supported Tests

Dodge/RAM Vehicles: Drivetrain

Dodge/RAM Vehicles: Drivetrain Tests	
Test Type	Test Name
Input Output Controls	• T-Case Status
Input Output Controls	• Transfer Case Low Lamp Request

Supported Tests

Dodge/RAM Vehicles: Final Drive

Dodge/RAM Vehicles: Final Drive Tests	
Test Type	Test Name
Input Output Controls	Transfer Case Low Lamp Request

Supported Tests

Dodge/RAM Vehicles: ABS Tests

Dodge/RAM Vehicles: ABS Tests	
Test Type	Test Name
Input Output Controls	• Left Front Inlet Valve (Normally Open)
Input Output Controls	• Left Front Outlet Valve (Normally Closed)
Input Output Controls	• Right Front Inlet Valve (Normally Open)
Input Output Controls	• Right Front Outlet Valve (Normally Closed)
Input Output Controls	• Left Rear Inlet Valve (Normally Open)
Input Output Controls	• Left Rear Outlet Valve (Normally Closed)
Input Output Controls	• Right Rear / Rear Inlet Valve (Normally Open)
Input Output Controls	• Right Rear / Rear Outlet Valve (Normally Closed)
Input Output Controls	• Pump
Input Output Controls	• Solenoid State
Input Output Controls	• ByWire State
Input Output Controls	• Dyno Mode State
Input Output Controls	• Regen Brake Control
Input Output Controls	• Vacuum Pump State/SSR Relay
Input Output Controls	• Vacuum Pump Mechanical Relay
Input Output Controls	• Inlet Valve Left Front
Input Output Controls	• Inlet Valve Right Front
Input Output Controls	• Inlet Valve Left Rear
Input Output Controls	• Inlet Valve Right Rear / Rear
Input Output Controls	• Outlet Valve Left Front
Input Output Controls	• Outlet Valve Right Front
Input Output Controls	• Outlet Valve Left Rear
Input Output Controls	• Outlet Valve Right Rear / Rear
Input Output Controls	• Traction Control Outlet Valve #1
Input Output Controls	• Traction Control Outlet Valve #2

Dodge/RAM Vehicles: ABS Tests	
Test Type	Test Name
Input Output Controls	• Low Pressure Feed Valve #1
Input Output Controls	• Low Pressure Feed Valve #2
Input Output Controls	• Outlet valve RL activation
Input Output Controls	• Outlet valve FL activation
Input Output Controls	• Inlet valve FR activation
Input Output Controls	• Inlet valve RR activation
Input Output Controls	• Outlet valve RR activation
Input Output Controls	• Outlet valve FR activation
Input Output Controls	• Inlet valve FL activation
Input Output Controls	• Inlet valve RL activation
Input Output Controls	• ABS Safety indication
Input Output Controls	• EBD Safety indication
Input Output Controls	• Recirculation pump activation
Input Output Controls	• Pilot valve 2 activation
Input Output Controls	• Priming valve 1 activation
Input Output Controls	• ASR/ESP Safety indication
Input Output Controls	• ASR/TC Plus Button lamp
Input Output Controls	• Hill-Holder Safety indication
Input Output Controls	• Priming valve 2 activation
Input Output Controls	• Pilot valve 1 activation
Input Output Controls	• Integrate sensor
Input Output Controls	• Electronic Stability Control (ESC) OFF lamp indication

Supported Tests

Dodge/RAM Vehicles: Tire Pressure Monitoring System (TPMS) Tests

Dodge/RAM Vehicles: TPMS Tests	
Test Type	Test Name
Input Output Controls	• Tire Pressure System Failure Lamp
Input Output Controls	• Low Tire Pressure Warning Lamp
Input Output Controls	• Under inflation monitoring lamp
Input Output Controls	• Generic failure monitoring lamp

Supported Tests

Dodge/RAM Vehicles: HVAC Tests

Dodge/RAM Vehicles: HVAC Tests	
Test Type	Test Name
Input Output Controls	• Recirculation Door Actuator Position
Input Output Controls	• Left Blend Actuator Degrees
Input Output Controls	• Panel Mode Actuator Degrees
Input Output Controls	• Recirculation Door Actuator Degrees
Input Output Controls	• Right Blend Actuator Degrees
Input Output Controls	• Left Blend Actuator Position
Input Output Controls	• Floor/Defrost Mode Actuator Degrees
Input Output Controls	• Panel Mode Actuator Position
Input Output Controls	• Right Blend Actuator Position
Input Output Controls	• Floor/Defrost Mode Actuator Position
Input Output Controls	• Blower Motor
Input Output Controls	• Key Symbol Backlight PWM Duty
Input Output Controls	• Left Air Mix Motor
Input Output Controls	• Key LEDs
Input Output Controls	• Left Air Distribution Motor
Input Output Controls	• Front Blower Motor
Input Output Controls	• Recirculation Motor
Input Output Controls	• Key LEDs PWM Duty
Input Output Controls	• A/C Request
Input Output Controls	• Key symbol Back-Light PWM Duty
Input Output Controls	• REC Motor
Input Output Controls	• Button Leds
Input Output Controls	• Button symbol Back-Light PWM Duty
Input Output Controls	• Air Mode Motor
Input Output Controls	• Air Mix Motor

Dodge/RAM Vehicles: HVAC Tests	
Test Type	Test Name
Input Output Controls	• PTC High Power Relay
Input Output Controls	• PTC Low Power Relay
Input Output Controls	• Air Mixing Motor
Input Output Controls	• Air Distribution Motor
Input Output Controls	• Button Leds PWM Duty
Input Output Controls	• Button symbol Back-Light Pwm Duty
Input Output Controls	• Conditioner enable request
Input Output Controls	• Rear Blower Motor

Supported Tests

Dodge/RAM Vehicles: Body Tests

Dodge/RAM Vehicles: Body Tests	
Test Type	Test Name
Input Output Controls	• Heater Rear Mirror
Input Output Controls	• Horn
Input Output Controls	• Head Lamp Washers
Input Output Controls	• Fuel Filter Heater
Windows	• Front Driver Window - Down
Windows	• Front Driver Window - Up
Windows	• Windshield wiper
Windows	• Heater Rear Window
Windows	• Front Passenger Window - Up
Windows	• Front Passenger Window - Down
Windows	• Windshield Washer
Windows	• Front Driver window lifter command UP
Windows	• Front Driver window lifter command DOWN
Windows	• Front Passenger window lifter command UP
Windows	• Front Passenger window lifter command DOWN
Door Locks	• Front Doors Lock Switch
Door Locks	• Unlock Doors Switch
Door Locks	• Rear Lock Relay
Door Locks	• Front Lock doors command
Door Locks	• Unlock doors command
Door Locks	• Lock Rear Doors Relay
Lights	• 1st Row Ceiling Light
Lights	• 3rd Row Ceiling Light
Lights	• Step Light
Lights	• Low Beams

Dodge/RAM Vehicles: Body Tests	
Test Type	Test Name
Lights	• Blue Lights
Lights	• Central high mounted Stop Light
Lights	• Rear load compartment status LED command
Lights	• Licence Plate Lights
Lights	• Clearance Identification Lights Relay
Lights	• High Beams
Lights	• All Stop Lights
Lights	• Rear Right Turn Light
Lights	• Right (Front/Rear) Parking Lights
Lights	• Right (Front/Central/Rear) Turn Lights
Lights	• 4th Row Ceiling Light
Lights	• Left (Front/Central/Rear) Turn Lights
Lights	• Trunk Light
Lights	• Fog Lights
Lights	• Day time running light
Lights	• Left (Front/Rear) Parking Lights
Lights	• Rear Left Turn Light
Lights	• Internal night Lights
Lights	• Reverse Lights
Lights	• Alarm/Doors status/Deterrence LED
Lights	• 2nd Row Ceiling Light
Lights	• Low Beam Lights
Lights	• Reverse Gear Lights
Lights	• Front Ceiling Light
Lights	• High Beams Lights
Lights	• Day Lights
Lights	• Rear Trunk light
Lights	• Rear Ceiling Light

Supported Tests

Dodge/RAM Vehicles: Cluster Tests

Dodge/RAM Vehicles: Cluster Tests	
Test Type	Test Name
Routines	• Self Test
Routines	• CCN Self Test
Routines	• Reset Service Information
Input Output Controls	• Vehicle speed cluster
Input Output Controls	• Coolant high temperature indication
Input Output Controls	• Air–Bag failure indication
Input Output Controls	• Fuel reserve indication
Input Output Controls	• Antilock brake (ABS) failure indication
Input Output Controls	• Battery charge indication
Input Output Controls	• Brake pad wear indication
Input Output Controls	• Transmission oil overtemperature
Input Output Controls	• Cruise control activation
Input Output Controls	• Transmission failure indication

Supported Calibrations

Dodge/RAM Vehicles: Engine Calibrations

Dodge/RAM Vehicles: Engine Calibrations	
Year and Engine	Supported Calibrations
2006 - 2010 Cummins	• Enable / Disable Accelerator Interlock • PTO and Idle Up • Enable / Disable Exhaust Brake • Enable / Disable Mobile PTO • Enable / Disable Idle Shutdown • Enable / Disable Switched Max Operating Speed • Enable / Disable Remote Throttle • Cylinder 1 Injector Code • Cylinder 2 Injector Code • Cylinder 3 Injector Code • Cylinder 4 Injector Code • Cylinder 5 Injector Code • Cylinder 6 Injector Code

Dodge/RAM Vehicles: Engine Calibrations	
Year and Engine	Supported Calibrations
2011 - 2012 Cummins	• Idle Shutdown Timer Adjustment • Enable / Disable Remote Throttle • Enable / Disable Accelerator Interlock • Set Road Speed Max • Enable / Disable Idle Shutdown • Remote PTO Enable • Set Cruise Control Max • Enable / Disable Switched Max Operating Speed • Enable / Disable Mobile PTO • Set Road Speed Max • Cylinder 1 Injector Code • Cylinder 2 Injector Code • Cylinder 3 Injector Code • Cylinder 4 Injector Code • Cylinder 5 Injector Code • Cylinder 6 Injector Code
2013-2015 Cummins	• Enable / Disable EVR Idle Up • Enable / Disable Remote Throttle • Idle Shutdown Timer Adjustment • Enable / Disable Switched Max Operating Speed • Enable / Disable Idle Shutdown • Enable / Disable Accelerator Interlock • Enable / Disable 2nd Alternator

Supported Tests

GM Vehicles: Engine Tests

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
1999 - 2000	B - 7.4L (L21)	• Fuel Injector Cutout • Malfunction Indicator Lamp • EGR Solenoid • Fuel Pump Relay • Loop Status • Engine Speed Control
1999 - 2000	D - 7.4L (LP4)	• Malfunction Indicator Lamp • EGR Solenoid • Fuel Pump Relay • Loop Status • Engine Speed Control
1999	J - 7.4L (L29)	• Fuel Injector Cutout • Malfunction Indicator Lamp • EGR Solenoid • Engine Speed Control • PC Solenoid • Fuel Level • Initiate Case Algorithm Learn Crank • A/C Relay
1999 - 2007	U - 6.0L (LQ4)	• Fuel Injector Cutout • Fuel Gauge • Fuel Trim Enable • A/C Relay • IAC RPM • Fuel Pump Relay • Loop Status • Vent Solenoid • O2S Heater Control • EGR Solenoid

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
2000 - 2005	E - 8.1L (L18)	• Fuel Injector Cutout • Malfunction Indicator Lamp • Fuel Pump Relay • Loop Status • EGR Solenoid • Engine Speed Control • Engine Oil Life Reset
2000 - 2003	F - 6.5L (L65)	• Glow Plug Relay • A/C Relay • PC Solenoid • TCC Control • Top Dead Center Learn • Glow Plug Learn • RPM Control • Fuel Injector Cutout • Fuel Pump Relay • STS Lamp • Boost Solenoid • Engine Shutoff Relay • Malfunction Indicator Lamp • Timing Set
2000 - 2009	G - 8.1L (L18)	• Fuel Injector Cutout • Malfunction Indicator Lamp • Fuel Pump Relay • Loop Status • EGR Solenoid • Engine Speed Control • Engine Oil Life Reset
2000	J - 7.4L (L29)	• Fuel Injector Cutout • Malfunction Indicator Lamp • EGR Solenoid • Engine Speed Control • Fuel Level • Initiate Case Algorithm Learn Crank • A/C Relay

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
2000	R - 5.7L (L31)	- Fuel Injector Cutout - Malfunction Indicator Lamp - EGR Solenoid - Engine Speed Control - Fuel Level - Initiate Case Algorithm Learn Crank - A/C Relay
2000	W - 4.3L (L35)	- Fuel Injector Cutout - Malfunction Indicator Lamp - EGR Solenoid - Engine Speed Control - Fuel Level - Initiate Case Algorithm Learn Crank - A/C Relay
2000	X - 4.3L (LU3)	- Fuel Injector Cutout - Malfunction Indicator Lamp - EGR Solenoid - Engine Speed Control - Fuel Level - Initiate Case Algorithm Learn Crank - A/C Relay
2000	Y - 6.5L (L57)	- Glow Plug Relay - A/C Relay - PC Solenoid - TCC Control - Top Dead Center Learn - Glow Plug Learn - RPM Control - Fuel Injector Cutout - Fuel Pump Relay - STS Lamp - Boost Solenoid - Engine Shutoff Relay - Malfunction Indicator Lamp - Timing Set

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
2001	1 - 6.6L (LB7)	• Fuel Injector Cutout • Glow Plug Relay • Malfunction Indicator Lamp • A/C Relay • Fuel Pressure Control • FRP Regulator Relay
2002	1 - 6.6L (LB7)	• Fuel Injector Cutout • Glow Plug Relay • Malfunction Indicator Lamp • A/C Relay • Fuel Pressure Control • FRP Regulator Relay • EGR Vent • RPM Control • EGR Solenoid • Intake Air Heater • EGR Throttle Valve Solenoid
2002	Z - 6.5L (L65)	• Glow Plug Relay • A/C Relay • PC Solenoid • TCC Control • Top Dead Center Learn • Glow Plug Learn • RPM Control • Fuel Injector Cutout • Fuel Pump Relay • STS Lamp • Boost Solenoid • Engine Shutoff Relay • Malfunction Indicator Lamp • Timing Set

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
2003 - 2004	1 - 6.6L (LB7)	• Fuel Injector Cutout • Malfunction Indicator Lamp • Fuel Pressure Control • FRP Regulator Relay • EGR Vent • RPM Control • EGR Solenoid • Intake Air Heater • EGR Throttle Valve Solenoid • Engine Oil Life Reset • Fuel Transfer Pump (If Equipped)
2004 - 2005	2 - 6.6L (LLY)	• Fuel Injector Cutout Under 1400 rpm • Fuel Injector Cutout Above 1500 rpm • Glow Plug Relay • PTO Relay • EGR Solenoid • Malfunction Indicator Lamp • A/C Relay • Fuel Pressure Control • RPM Control • TC Vane Pos. Control Solenoid • TC Vane Position Sensor • Turbo Charger Learn • Engine Oil Life Reset • Fuel Transfer Pump (If Equipped)
2004 - 2005	3 - 7.8L (LG4)	• Fuel Injector Cutout • EGR Solenoid • Malfunction Indicator Lamp

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
2004	6 - 5.2L (1C5)	• Fuel Injector Cutout • Glow Plug Relay • PTO Relay • EGR Throttle Valve Solenoid • Exhaust Brake Relay • Malfunction Indicator Lamp • Tachometer Control • RPM Control • Pilot Injection Disable • Supply Pump Learn Reset • Glow Plug Lamp • Cruise Set Lamp • Cruise Main Lamp • Service Vehicle Soon Lamp
2005 - 2006	6 - 5.2L (1L5)	• Fuel Injector Cutout • Glow Plug Relay • PTO Relay • EGR Throttle Valve Solenoid • Exhaust Brake Relay • Malfunction Indicator Lamp • Tachometer Control • RPM Control • Pilot Injection Disable • Supply Pump Learn Reset • Glow Plug Lamp • Cruise Set Lamp • Cruise Main Lamp • Service Vehicle Soon Lamp

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
2006 - 2007	2 - 6.6L (LLY)	• A/C Relay • Copy Injector Flow Rates From GPCM • Copy Injector Flow Rates To GPCM • EGR Valve • Exhaust Brake Control • Fuel Injector Cutout • Fuel Pressure Control • Fuel Transfer Pump / Fuel Lift Pump Relay • GEN L-Terminal Control • Glow Plug Lamp • Malfunction Indicator Lamp • PTO Relay Control • RPM Control • Turbocharger Vane Offset Learn • Turbocharger Vane Position
2006 - 2007	3 - 7.8L (LG4)	• Fuel Injector Cutout • Intake Air Valve • EGR Solenoid • Malfunction Indicator Lamp • TC Vane Position
2006	D - 6.6L (LBZ)	• A/C Relay • Copy Injector Flow Rates From GPCM • Copy Injector Flow Rates To GPCM • EGR Valve • Fuel Injector Cutout • Fuel Pressure Control • Fuel Transfer Pump / Fuel Lift Pump Relay • Glow Plug Lamp • Malfunction Indicator Lamp • PTO Relay Control • RPM Control • Turbocharger Vane Offset Learn • Turbocharger Vane Position

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
2007	6 - 5.2L (1L5, Early Model)	• Fuel Injector Cutout • Glow Plug Relay • PTO Relay • EGR Throttle Valve Solenoid • Exhaust Brake Relay • Malfunction Indicator Lamp • Tachometer Control • RPM Control • Pilot Injection Disable • Supply Pump Learn Reset • Glow Plug Lamp • Cruise Set Lamp • Cruise Main Lamp • Service Vehicle Soon Lamp
2007	6 - 5.2L (1L5, Late Model)	• DPF Service Regeneration • Fuel Injector Cutout

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
2007 - 2010	6 - 6.6L (LMM)	• A/C Relay • Copy Injector Flow Rates From GPCM • Copy Injector Flow Rates To GPCM • DPF Regeneration Enable • DPF Regeneration Indicator • DPF Service Regeneration • EGR Offset Learn • EGR Valve • Exhaust Brake Control • Fuel Injector Cutout • Fuel Pressure Control • Fuel Transfer Pump / Fuel Lift Pump Relay • GEN L-Terminal Control • Intake Airflow Valve Motor • Malfunction Indicator Lamp • PTO Relay Control • Reset DPF Data (Replace DPF) • RPM Control • Turbocharger Vane Offset Learn • Turbocharger Vane Position • Wait to Start

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
2007 - 2009	9 - 6.6L (LMM)	• A/C Relay • DPF Regeneration Enable • DPF Regeneration Indicator • DPF Service Regeneration • EGR Offset Learn • EGR Valve • Exhaust Brake Control • Fuel Injector Cutout • Fuel Pressure Control • Fuel Transfer Pump / Fuel Lift Pump Relay • GEN L-Terminal Control • Glow Plug Lamp • Intake Airflow Valve Motor • Malfunction Indicator Lamp • PTO Relay Control • Reset DPF Data (Replace DPF) • RPM Control • Turbocharger Vane Offset Learn • Turbocharger Vane Position
2007 - 2009	B - 7.8L (LF8)	• DPF Service Regeneration • DPF Service Regeneration Enable • Fuel Injector Cutout • Supply Pump Learn Reset • Glow Plug Relay • PTO Relay • Intake Air Valve • EGR Solenoid • Malfunction Indicator Lamp • Exhaust Brake Relay • TC Vane Position • Glow Plug Lamp • Service Vehicle Soon Lamp

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
2008 - 2009	6 - 5.2L (1L5)	• DPF Service Regeneration • Fuel Injector Cutout
2011 - 2016	8 - 6.6L (LML)	• Engine Oil Life Reset • Fuel Filter Life Reset • Reductant Fluid Tank Level Reset • DEF System Malfunction Warning Reset • DEF System Reset • Copy Injector Flow Rates From GPCM • Copy Injector Flow Rates To GPCM • DEF Fluid Quality Test • DEF Injector • DEF Pump • DEF Purge Valve • DEF System Leak Test • DPF Regeneration Enable • DPF Service Regeneration • EGR Cooler Bypass Motor • EGR Cooler Bypass Valve • EGR Motor Command • EGR Valve • Exh Aftertreatment Fuel Injector • Fuel Injector Cutout • Fuel Pressure Control • Fuel Transfer Pump / Fuel Lift Pump Relay • GEN L-Terminal Control • NOx Sensor 1 Heater • NOx Sensor 2 Heater • RPM Control • TC Learn • TC Vane Position Control Solenoid • TC Vane Position Sensor

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
2011 - 2012	A - 4.8L (L20)	• Engine Oil Life Reset • CKP Variation Learn • CMP Actuator • CMP Actuator Solenoid • EC Ignition Relay • Fuel Injector Cutout • Fuel Pump Relay • GEN L-Terminal Control • Injector Balance • RPM Control • Spark Retard • Starter Relay • Throttle Position
2011 - 2013	G - 6.0L (L96)	• Engine Oil Life Reset • CKP Variation Learn • CMP Actuator • CMP Actuator Solenoid • EC Ignition Relay • Fuel Injector Cutout • Fuel Pump Relay • GEN L-Terminal Control • Injector Balance • RPM Control • Spark Retard • Starter Relay • Throttle Position

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
2011 - 2016	L - 6.6L (LGH)	• Engine Oil Life Reset • Fuel Filter Life Reset • Reductant Fluid Tank Level Reset • DEF System Malfunction Warning Reset • DEF System Reset • Copy Injector Flow Rates From GPCM • Copy Injector Flow Rates To GPCM • DEF Fluid Quality Test • DEF Injector • DEF Pump • DEF Purge Valve • DEF System Leak Test • DPF Regeneration Enable • DPF Service Regeneration • EGR Cooler Bypass Motor • EGR Cooler Bypass Valve • EGR Motor Command • EGR Valve • Exh Aftertreatment Fuel Injector • Fuel Injector Cutout • Fuel Pressure Control • Fuel Transfer Pump / Fuel Lift Pump Relay • GEN L-Terminal Control • NOx Sensor 1 Heater • NOx Sensor 2 Heater • RPM Control • TC Learn • TC Vane Position Control Solenoid • TC Vane Position Sensor

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
2013	F - 4.8L (L20)	• Engine Oil Life Reset • CKP Variation Learn • CMP Actuator • CMP Actuator Solenoid • EC Ignition Relay • Fuel Injector Cutout • Fuel Pump Relay • GEN L-Terminal Control • Injector Balance • RPM Control • Spark Retard • Starter Relay • Throttle Position
2014 - 2015	4 - 5.3L (LMF)	• Engine Oil Life Reset • CKP Variation Learn • CMP Actuator • CMP Actuator Solenoid • Cylinder Cutout • EC Ignition Relay • Fuel Pump Relay • GEN L-Terminal Control • Injector Balance • RPM Control • Spark Retard • Starter Relay • Throttle Position

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
2014 - 2016	B - 6.0L (LC8)	• Engine Oil Life Reset • CKP Variation Learn • CMP Actuator • CMP Actuator Solenoid • Cylinder Cutout • EC Ignition Relay • Fuel Pump Relay • GEN L-Terminal Control • Injector Balance • RPM Control • Spark Retard • Starter Relay • Throttle Position
2014 - 2016	C - 5.3L (L83)	• Engine Oil Life Reset • CKP Variation Learn • CMP Actuator • CMP Actuator Solenoid • Cylinder Cutout • EC Ignition Relay • Fuel Pump Relay • GEN L-Terminal Control • Injector Balance • RPM Control • Spark Retard • Starter Relay • Throttle Position

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
2014	F - 4.8L (L20)	• Engine Oil Life Reset • A/C Compressor Clutch Relay • CKP Variation Learn • CMP Actuator • CMP Actuator Solenoid • Cylinder Cutout • EC Ignition Relay • Fuel Pump Relay • GEN L-Terminal Control • Injector Balance • RPM Control • Spark Retard • Starter Relay • Throttle Position
2014 - 2016	G - 6.0L (L96)	• Engine Oil Life Reset • CKP Variation Learn • CMP Actuator • CMP Actuator Solenoid • Cylinder Cutout • EC Ignition Relay • Fuel Pump Relay • GEN L-Terminal Control • Injector Balance • RPM Control • Spark Retard • Starter Relay • Throttle Position

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
2014 - 2016	H - 4.3L (LV3)	• Engine Oil Life Reset • CKP Variation Learn • CMP Actuator • CMP Actuator Solenoid • Cylinder Cutout • EC Ignition Relay • Fuel Pump Relay • GEN L-Terminal Control • Injector Balance • RPM Control • Spark Retard • Starter Relay • Throttle Position
2014 - 2016	J - 6.2L (L86)	• Engine Oil Life Reset • CKP Variation Learn • CMP Actuator • CMP Actuator Solenoid • Cylinder Cutout • EC Ignition Relay • Fuel Pump Relay • GEN L-Terminal Control • Injector Balance • RPM Control • Spark Retard • Starter Relay • Throttle Position

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
2014 - 2016	P - 4.3L (LV1)	• Engine Oil Life Reset • CKP Variation Learn • CMP Actuator • CMP Actuator Solenoid • Cylinder Cutout • EC Ignition Relay • Fuel Pump Relay • GEN L-Terminal Control • Injector Balance • RPM Control • Spark Retard • Starter Relay • Throttle Position
2014	X - 4.3L (LU3)	• Engine Oil Life Reset • CKP Variation Learn • CMP Actuator • CMP Actuator Solenoid • Cylinder Cutout • EC Ignition Relay • Fuel Pump Relay • GEN L-Terminal Control • Injector Balance • RPM Control • Spark Retard • Starter Relay • Throttle Position

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
2015	F - 4.8L (L20)	• Engine Oil Life Reset • CKP Variation Learn • CMP Actuator • CMP Actuator Solenoid • Cylinder Cutout • EC Ignition Relay • Fuel Pump Relay • GEN L-Terminal Control • Injector Balance • RPM Control • Spark Retard • Starter Relay • Throttle Position
2016	F - 4.8L (L20)	• Engine Oil Life Reset • CKP Variation Learn • CMP Actuator • CMP Actuator Solenoid • Cooling Fan Test • Cylinder Cutout • EC Ignition Relay • Fuel Pump Relay • GEN L-Terminal Control • Injector Balance • RPM Control • Spark Retard • Starter Relay • Throttle Position

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
2016	R - 5.3L (L8B)	• Engine Oil Life Reset • CKP Variation Learn • CMP Actuator • CMP Actuator Solenoid • Cylinder Cutout • EC Ignition Relay • Fuel Pump Relay • GEN L-Terminal Control • Injector Balance • RPM Control • Spark Retard • Starter Relay • Throttle Position

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
2017 - 2018	1 - 2.8L (LWN) Express	• All Cylinders Fuel Injector Correction Value Reset • BARO Sensor Reset Command • Brake Pedal Position Sensor Learn Command • Catalyst 1 Reset • CKP Variation Learn • Clutch Pedal Position Learn • Crankshaft Position Reluctor Ring Learn • DPF Pressure Sensor Reset • DPF Reset • Engine Oil Life Reset • Exhaust Gas Temperature Sensor Reset • Fuel Composition Reset • Fuel Filter Life Reset • Fuel Injector Correction Value Preset • Fuel Trim Learn • Fuel Trim Reset • HO2S Heater Learn • Idle Learn • NOx Catalyst Reductant Loading Reset • NOx Catalyst Reset • NOx Sensor 1 Reset • NOx Sensor 2 Reset • Reductant Injector Reset • Reductant System Data Reset • Reductant System Reset • Remote Vehicle Start Disable History Reset • Turbocharger Learn • A/C Compressor Clutch Relay Command • Cooling Fan Command • Cylinder 1 Glow Plug Command • Cylinder 2 Glow Plug Command • Cylinder 3 Glow Plug Command • Cylinder 4 Glow Plug Command • Cylinder Cutout • Depressurize Fuel System • DPF Regeneration Enable • DPF Service Regeneration • EGR Valve Command • Engine Controls Ignition Relay Command • Engine Oil Pressure Control Solenoid Valve

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
		• Engine Speed Command • Desired Throttle Position • EVAP Purge/Seal • EVAP Test Command • Exhaust Aftertreatment Fuel Injector Command • Exhaust Aftertreatment Fuel Injector Flow Test • EVAP Vent Solenoid Valve Command • EVAP Purge Solenoid Valve Command • Fuel Control Loop Status • Fuel Heater Relay Command • Fuel Pressure Command • Fuel Pump Relay Command • Fuel System High Pressure Test (Engine Runs) • Generator L-Terminal • Glow Plug Self-Test Command • Idle Ignition Timing • Ignition Timing Retard • Camshaft Position Actuator • Malfunction Indicator Lamp (MIL) • Reductant Heater 1 Command • Reductant Heater 2 Command • Reductant Injection Quantity Test • Reductant Injector Command • Reductant Pump Command • Reductant System Leak Test • Reductant System Malfunction Warning Service Bay Test • Starter Relay • Throttle Sweep • Turbocharger Vane Position

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
2017 - 2018	1 - 2.8L (LWN) Savana	• All Cylinders Fuel Injector Correction Value Reset • BARO Sensor Reset Command • Brake Pedal Position Sensor Learn Command • Catalyst 1 Reset • CKP Variation Learn • Clutch Pedal Position Learn • Crankshaft Position Reluctor Ring Learn • DPF Pressure Sensor Reset • DPF Reset • Engine Oil Life Reset • Exhaust Gas Temperature Sensor Reset • Fuel Composition Reset • Fuel Filter Life Reset • Fuel Injector Correction Value Preset • Fuel Trim Learn • Fuel Trim Reset • HO2S Heater Learn • Idle Learn • NOx Catalyst Reductant Loading Reset • NOx Catalyst Reset • NOx Sensor 1 Reset • NOx Sensor 2 Reset • Reductant Injector Reset • Reductant System Data Reset • Reductant System Reset • Remote Vehicle Start Disable History Reset • Turbocharger Learn • A/C Compressor Clutch Relay Command • Cooling Fan Command • Cylinder 1 Glow Plug Command • Cylinder 2 Glow Plug Command • Cylinder 3 Glow Plug Command • Cylinder 4 Glow Plug Command • Cylinder Cutout • Depressurize Fuel System • DPF Regeneration Enable • DPF Service Regeneration • EGR Valve Command • Engine Controls Ignition Relay Command • Engine Oil Pressure Control Solenoid Valve

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
		• Engine Speed Command • Desired Throttle Position • EVAP Purge/Seal • EVAP Test Command • Exhaust Aftertreatment Fuel Injector Command • Exhaust Aftertreatment Fuel Injector Flow Test • EVAP Vent Solenoid Valve Command • EVAP Purge Solenoid Valve Command • Fuel Control Loop Status • Fuel Heater Relay Command • Fuel Pressure Command • Fuel Pump Relay Command • Fuel System High Pressure Test (Engine Runs) • Generator L-Terminal • Glow Plug Self-Test Command • Idle Ignition Timing • Ignition Timing Retard • Camshaft Position Actuator • Malfunction Indicator Lamp (MIL) • Reductant Heater 1 Command • Reductant Heater 2 Command • Reductant Injection Quantity Test • Reductant Injector Command • Reductant Pump Command • Reductant System Leak Test • Reductant System Malfunction Warning Service Bay Test • Starter Relay • Throttle Sweep • Turbocharger Vane Position

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
2017	B - 6.0L (LC8) Express	• Brake Pedal Position Sensor Learn Command • CKP Variation Learn • Clutch Pedal Position Learn • Engine Oil Life Reset • Fuel Composition Reset • Fuel Trim Learn • Fuel Trim Reset • HO2S Heater Learn • Idle Learn • Remote Vehicle Start Disable History Reset • A/C Compressor Clutch Relay Command • Charge Air Cooler Coolant Pump Relay Command • Cylinder Cutout • Engine Controls Ignition Relay Command • Engine Speed Command • Desired Throttle Position • Throttle Sweep Test • EVAP Purge/Seal • EVAP Vent Solenoid Valve Command • EVAP Purge Solenoid Valve Command • Fuel Control Loop Status • Fuel Pump Relay Command • Fuel Pump 2 Relay Command • Generator L-Terminal • HO2S Heater Command Bank 1 Sensor 1 • HO2S Heater Command Bank 1 Sensor 2 • HO2S Heater Command Bank 2 Sensor 1 • HO2S Heater Command Bank 2 Sensor 2 • Idle Ignition Timing • Ignition Timing Retard • Injector Balance • Camshaft Position Actuator • Intake Manifold Runner Control Valve • Malfunction Indicator Lamp (MIL) • Reverse Inhibit Solenoid Actuator Command • Skip Shift Solenoid Actuator Command • Starter Relay

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
2017	B - 6.0L (LC8) Savana	• Brake Pedal Position Sensor Learn Command • CKP Variation Learn • Clutch Pedal Position Learn • Engine Oil Life Reset • Fuel Composition Reset • Fuel Trim Learn • Fuel Trim Reset • HO2S Heater Learn • Idle Learn • Remote Vehicle Start Disable History Reset • A/C Compressor Clutch Relay Command • Charge Air Cooler Coolant Pump Relay Command • Cylinder Cutout • Engine Controls Ignition Relay Command • Engine Speed Command • Desired Throttle Position • Throttle Sweep Test • EVAP Purge/Seal • EVAP Vent Solenoid Valve Command • EVAP Purge Solenoid Valve Command • Fuel Control Loop Status • Fuel Pump Relay Command • Fuel Pump 2 Relay Command • Generator L-Terminal • HO2S Heater Command Bank 1 Sensor 1 • HO2S Heater Command Bank 1 Sensor 2 • HO2S Heater Command Bank 2 Sensor 1 • HO2S Heater Command Bank 2 Sensor 2 • Idle Ignition Timing • Ignition Timing Retard • Injector Balance • Camshaft Position Actuator • Intake Manifold Runner Control Valve • Malfunction Indicator Lamp (MIL) • Reverse Inhibit Solenoid Actuator Command • Skip Shift Solenoid Actuator Command • Starter Relay

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
2017	B - 6.0L (LC8) Sierra	• Brake Pedal Position Sensor Learn Command • CKP Variation Learn • Clutch Pedal Position Learn • Engine Oil Life Reset • Fuel Composition Reset • Fuel Trim Learn • Fuel Trim Reset • HO2S Heater Learn • Idle Learn • Remote Vehicle Start Disable History Reset • A/C Compressor Clutch Relay Command • Charge Air Cooler Coolant Pump Relay Command • Cylinder Cutout • Engine Controls Ignition Relay Command • Engine Speed Command • Desired Throttle Position • Throttle Sweep Test • EVAP Purge/Seal • EVAP Vent Solenoid Valve Command • EVAP Purge Solenoid Valve Command • Fuel Control Loop Status • Fuel Pump Relay Command • Fuel Pump 2 Relay Command • Generator L-Terminal • HO2S Heater Command Bank 1 Sensor 1 • HO2S Heater Command Bank 1 Sensor 2 • HO2S Heater Command Bank 2 Sensor 1 • HO2S Heater Command Bank 2 Sensor 2 • Idle Ignition Timing • Ignition Timing Retard • Injector Balance • Camshaft Position Actuator • Intake Manifold Runner Control Valve • Malfunction Indicator Lamp (MIL) • Reverse Inhibit Solenoid Actuator Command • Skip Shift Solenoid Actuator Command • Starter Relay

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
2017	B - 6.0L (LC8) Silverado	• Brake Pedal Position Sensor Learn Command • CKP Variation Learn • Clutch Pedal Position Learn • Engine Oil Life Reset • Fuel Composition Reset • Fuel Trim Learn • Fuel Trim Reset • HO2S Heater Learn • Idle Learn • Remote Vehicle Start Disable History Reset • A/C Compressor Clutch Relay Command • Charge Air Cooler Coolant Pump Relay Command • Cylinder Cutout • Engine Controls Ignition Relay Command • Engine Speed Command • Desired Throttle Position • Throttle Sweep Test • EVAP Purge/Seal • EVAP Vent Solenoid Valve Command • EVAP Purge Solenoid Valve Command • Fuel Control Loop Status • Fuel Pump Relay Command • Fuel Pump 2 Relay Command • Generator L-Terminal • HO2S Heater Command Bank 1 Sensor 1 • HO2S Heater Command Bank 1 Sensor 2 • HO2S Heater Command Bank 2 Sensor 1 • HO2S Heater Command Bank 2 Sensor 2 • Idle Ignition Timing • Ignition Timing Retard • Injector Balance • Camshaft Position Actuator • Intake Manifold Runner Control Valve • Malfunction Indicator Lamp (MIL) • Reverse Inhibit Solenoid Actuator Command • Skip Shift Solenoid Actuator Command • Starter Relay

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
2017	C - 5.3L (L83) Sierra	• Brake Pedal Position Sensor Learn Command • CKP Variation Learn • Clutch Pedal Position Learn • Engine Oil Life Reset • Fuel Composition Reset • Fuel Trim Learn • Fuel Trim Reset • Fuel Trim Reset Command • HO2S Heater Learn • Idle Learn • Remote Vehicle Start Disable History Reset • A/C Compressor Clutch Relay Command • Compression Test • Cooling Fan Command • Cylinder Cutout • Depressurize Fuel System • Engine Controls Ignition Relay Command • Engine Oil Pressure Control Solenoid Valve • Engine Speed Command • Desired Throttle Position • EVAP Purge/Seal • EVAP Vent Solenoid Valve Command • EVAP Purge Solenoid Valve Command • Fuel Control Loop Status • Fuel Pressure Command • Fuel Pump Relay Command • Generator L-Terminal • HO2S Heater Command Bank 1 Sensor 1 • HO2S Heater Command Bank 1 Sensor 2 • HO2S Heater Command Bank 2 Sensor 1 • HO2S Heater Command Bank 2 Sensor 2 • Idle Ignition Timing • Ignition Timing Retard • Camshaft Position Actuator • Malfunction Indicator Lamp (MIL) • Reverse Inhibit Solenoid Actuator Command • Skip Shift Solenoid Actuator Command • Starter Relay • Throttle Sweep

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
2017	C - 5.3L (L83) Silverado	• Brake Pedal Position Sensor Learn Command • CKP Variation Learn • Clutch Pedal Position Learn • Engine Oil Life Reset • Fuel Composition Reset • Fuel Trim Learn • Fuel Trim Reset • Fuel Trim Reset Command • HO2S Heater Learn • Idle Learn • Remote Vehicle Start Disable History Reset • A/C Compressor Clutch Relay Command • Compression Test • Cooling Fan Command • Cylinder Cutout • Depressurize Fuel System • Engine Controls Ignition Relay Command • Engine Oil Pressure Control Solenoid Valve • Engine Speed Command • Desired Throttle Position • EVAP Purge/Seal • EVAP Vent Solenoid Valve Command • EVAP Purge Solenoid Valve Command • Fuel Control Loop Status • Fuel Pressure Command • Fuel Pump Relay Command • Generator L-Terminal • HO2S Heater Command Bank 1 Sensor 1 • HO2S Heater Command Bank 1 Sensor 2 • HO2S Heater Command Bank 2 Sensor 1 • HO2S Heater Command Bank 2 Sensor 2 • Idle Ignition Timing • Ignition Timing Retard • Camshaft Position Actuator • Malfunction Indicator Lamp (MIL) • Reverse Inhibit Solenoid Actuator Command • Skip Shift Solenoid Actuator Command • Starter Relay • Throttle Sweep

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
2017	F - 4.8L (L20) Express	• Brake Pedal Position Sensor Learn Command • CKP Variation Learn • Clutch Pedal Position Learn • Engine Oil Life Reset • Fuel Composition Reset • Fuel Trim Learn • Fuel Trim Reset • HO2S Heater Learn • Idle Learn • Remote Vehicle Start Disable History Reset • A/C Compressor Clutch Relay Command • Charge Air Cooler Coolant Pump Relay Command • CMP Actuator • Cooling Fan Command • Cylinder Cutout • Engine Controls Ignition Relay Command • Engine Speed Command • Evap Purge Solenoid Valve • Evap Purge/Seal • Desired Throttle Position • Throttle Sweep Test • EVAP Purge/Seal • EVAP Vent Solenoid Valve Command • Fuel Control Loop Status • EVAP Vent Solenoid Valve Command • EVAP Purge Solenoid Valve Command • Fuel Control Loop Status • Fuel Pump Enable • Fuel Pump Relay • Fuel Pump Trim Reset • GEN L-Terminal Control • Generator L-Terminal • HO2S Heater Command Bank 1 Sensor 1 • HO2S Heater Command Bank 1 Sensor 2 • HO2S Heater Command Bank 2 Sensor 1 • HO2S Heater Command Bank 2 Sensor 2 • Idle Ignition Timing • Ignition Timing Retard • Injector Balance • Camshaft Position Actuator

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
		• Intake Manifold Runner Control Valve • Malfunction Indicator Lamp (MIL) • Reverse Inhibit Solenoid Actuator Command • RPM Control • Skip Shift Solenoid Actuator Command • Spark Retard • Starter Relay • Throttle Position

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
2017	F - 4.8L (L20) Savana	• Brake Pedal Position Sensor Learn Command • CKP Variation Learn • Clutch Pedal Position Learn • Engine Oil Life Reset • Fuel Composition Reset • Fuel Trim Learn • Fuel Trim Reset • HO2S Heater Learn • Idle Learn • Remote Vehicle Start Disable History Reset • A/C Compressor Clutch Relay Command • Charge Air Cooler Coolant Pump Relay Command • CMP Actuator • Cooling Fan Command • Cylinder Cutout • Engine Controls Ignition Relay Command • Engine Speed Command • Evap Purge Solenoid Valve • Evap Purge/Seal • Desired Throttle Position • Throttle Sweep Test • EVAP Purge/Seal • EVAP Vent Solenoid Valve Command • Fuel Control Loop Status • EVAP Purge Solenoid Valve Command • Fuel Control Loop Status • Fuel Pump Enable • Fuel Pump Relay • Fuel Pump Trim Reset • GEN L-Terminal Control • Generator L-Terminal • HO2S Heater Command Bank 1 Sensor 1 • HO2S Heater Command Bank 1 Sensor 2 • HO2S Heater Command Bank 2 Sensor 1 • HO2S Heater Command Bank 2 Sensor 2 • Idle Ignition Timing • Ignition Timing Retard • Injector Balance • Camshaft Position Actuator • Intake Manifold Runner Control Valve

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
		• Malfunction Indicator Lamp (MIL) • Reverse Inhibit Solenoid Actuator Command • RPM Control • Skip Shift Solenoid Actuator Command • Spark Retard • Starter Relay • Throttle Position

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
2017	G - 6.0L (L96) Express	• Brake Pedal Position Sensor Learn Command • CKP Variation Learn • Clutch Pedal Position Learn • Engine Oil Life Reset • Fuel Composition Reset • Fuel Trim Learn • Fuel Trim Reset • HO2S Heater Learn • Idle Learn • Remote Vehicle Start Disable History Reset • A/C Compressor Clutch Relay Command • Charge Air Cooler Coolant Pump Relay Command • Cooling Fan Command • Cylinder Cutout • Engine Controls Ignition Relay Command • Engine Speed Command • Desired Throttle Position • Throttle Sweep Test • EVAP Purge/Seal • EVAP Vent Solenoid Valve Command • EVAP Purge Solenoid Valve Command • Fuel Control Loop Status • Fuel Pump Relay Command • Fuel Pump 2 Relay Command • Generator L-Terminal • HO2S Heater Command Bank 1 Sensor 1 • HO2S Heater Command Bank 1 Sensor 2 • HO2S Heater Command Bank 2 Sensor 1 • HO2S Heater Command Bank 2 Sensor 2 • Idle Ignition Timing • Ignition Timing Retard • Injector Balance • Camshaft Position Actuator • Intake Manifold Runner Control Valve • Malfunction Indicator Lamp (MIL) • Reverse Inhibit Solenoid Actuator Command • Skip Shift Solenoid Actuator Command • Starter Relay

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
2017	G - 6.0L (L96) Savana	• Brake Pedal Position Sensor Learn Command • CKP Variation Learn • Clutch Pedal Position Learn • Engine Oil Life Reset • Fuel Composition Reset • Fuel Trim Learn • Fuel Trim Reset • HO2S Heater Learn • Idle Learn • Remote Vehicle Start Disable History Reset • A/C Compressor Clutch Relay Command • Charge Air Cooler Coolant Pump Relay Command • Cooling Fan Command • Cylinder Cutout • Engine Controls Ignition Relay Command • Engine Speed Command • Desired Throttle Position • Throttle Sweep Test • EVAP Purge/Seal • EVAP Vent Solenoid Valve Command • EVAP Purge Solenoid Valve Command • Fuel Control Loop Status • Fuel Pump Relay Command • Fuel Pump 2 Relay Command • Generator L-Terminal • HO2S Heater Command Bank 1 Sensor 1 • HO2S Heater Command Bank 1 Sensor 2 • HO2S Heater Command Bank 2 Sensor 1 • HO2S Heater Command Bank 2 Sensor 2 • Idle Ignition Timing • Ignition Timing Retard • Injector Balance • Camshaft Position Actuator • Intake Manifold Runner Control Valve • Malfunction Indicator Lamp (MIL) • Reverse Inhibit Solenoid Actuator Command • Skip Shift Solenoid Actuator Command • Starter Relay

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
2017	G - 6.0L (L96) Sierra	• Brake Pedal Position Sensor Learn Command • CKP Variation Learn • Clutch Pedal Position Learn • Engine Oil Life Reset • Fuel Composition Reset • Fuel Trim Learn • Fuel Trim Reset • HO2S Heater Learn • Idle Learn • Remote Vehicle Start Disable History Reset • A/C Compressor Clutch Relay Command • Charge Air Cooler Coolant Pump Relay Command • Cooling Fan Command • Cylinder Cutout • Engine Controls Ignition Relay Command • Engine Speed Command • Desired Throttle Position • Throttle Sweep Test • EVAP Purge/Seal • EVAP Vent Solenoid Valve Command • EVAP Purge Solenoid Valve Command • Fuel Control Loop Status • Fuel Pump Relay Command • Fuel Pump 2 Relay Command • Generator L-Terminal • HO2S Heater Command Bank 1 Sensor 1 • HO2S Heater Command Bank 1 Sensor 2 • HO2S Heater Command Bank 2 Sensor 1 • HO2S Heater Command Bank 2 Sensor 2 • Idle Ignition Timing • Ignition Timing Retard • Injector Balance • Camshaft Position Actuator • Intake Manifold Runner Control Valve • Malfunction Indicator Lamp (MIL) • Reverse Inhibit Solenoid Actuator Command • Skip Shift Solenoid Actuator Command • Starter Relay

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
2017	G - 6.0L (L96) Silverado	• Brake Pedal Position Sensor Learn Command • CKP Variation Learn • Clutch Pedal Position Learn • Engine Oil Life Reset • Fuel Composition Reset • Fuel Trim Learn • Fuel Trim Reset • HO2S Heater Learn • Idle Learn • Remote Vehicle Start Disable History Reset • A/C Compressor Clutch Relay Command • Charge Air Cooler Coolant Pump Relay Command • Cooling Fan Command • Cylinder Cutout • Engine Controls Ignition Relay Command • Engine Speed Command • Desired Throttle Position • Throttle Sweep Test • EVAP Purge/Seal • EVAP Vent Solenoid Valve Command • EVAP Purge Solenoid Valve Command • Fuel Control Loop Status • Fuel Pump Relay Command • Fuel Pump 2 Relay Command • Generator L-Terminal • HO2S Heater Command Bank 1 Sensor 1 • HO2S Heater Command Bank 1 Sensor 2 • HO2S Heater Command Bank 2 Sensor 1 • HO2S Heater Command Bank 2 Sensor 2 • Idle Ignition Timing • Ignition Timing Retard • Injector Balance • Camshaft Position Actuator • Intake Manifold Runner Control Valve • Malfunction Indicator Lamp (MIL) • Reverse Inhibit Solenoid Actuator Command • Skip Shift Solenoid Actuator Command • Starter Relay

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
2017	H - 4.3L (LV3) Sierra	• Brake Pedal Position Sensor Learn Command • CKP Variation Learn • Clutch Pedal Position Learn • Engine Oil Life Reset • Fuel Composition Reset • Fuel Trim Learn • Fuel Trim Reset • Fuel Trim Reset Command • HO2S Heater Learn • Idle Learn • Remote Vehicle Start Disable History Reset • A/C Compressor Clutch Relay Command • Compression Test • Cooling Fan Command • Cylinder Cutout • Depressurize Fuel System • Engine Controls Ignition Relay Command • Engine Oil Pressure Control Solenoid Valve • Engine Speed Command • Desired Throttle Position • EVAP Purge/Seal • EVAP Vent Solenoid Valve Command • EVAP Purge Solenoid Valve Command • Fuel Control Loop Status • Fuel Pressure Command • Fuel Pump Relay Command • Generator L-Terminal • HO2S Heater Command Bank 1 Sensor 1 • HO2S Heater Command Bank 1 Sensor 2 • HO2S Heater Command Bank 2 Sensor 1 • HO2S Heater Command Bank 2 Sensor 2 • Idle Ignition Timing • Ignition Timing Retard • Camshaft Position Actuator • Malfunction Indicator Lamp (MIL) • Reverse Inhibit Solenoid Actuator Command • Skip Shift Solenoid Actuator Command • Starter Relay • Throttle Sweep

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
2017	H - 4.3L (LV3) Silverado	• Brake Pedal Position Sensor Learn Command • CKP Variation Learn • Clutch Pedal Position Learn • Engine Oil Life Reset • Fuel Composition Reset • Fuel Trim Learn • Fuel Trim Reset • Fuel Trim Reset Command • HO2S Heater Learn • Idle Learn • Remote Vehicle Start Disable History Reset • A/C Compressor Clutch Relay Command • Compression Test • Cooling Fan Command • Cylinder Cutout • Depressurize Fuel System • Engine Controls Ignition Relay Command • Engine Oil Pressure Control Solenoid Valve • Engine Speed Command • Desired Throttle Position • EVAP Purge/Seal • EVAP Vent Solenoid Valve Command • EVAP Purge Solenoid Valve Command • Fuel Control Loop Status • Fuel Pressure Command • Fuel Pump Relay Command • Generator L-Terminal • HO2S Heater Command Bank 1 Sensor 1 • HO2S Heater Command Bank 1 Sensor 2 • HO2S Heater Command Bank 2 Sensor 1 • HO2S Heater Command Bank 2 Sensor 2 • Idle Ignition Timing • Ignition Timing Retard • Camshaft Position Actuator • Malfunction Indicator Lamp (MIL) • Reverse Inhibit Solenoid Actuator Command • Skip Shift Solenoid Actuator Command • Starter Relay • Throttle Sweep

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
2017	J - 6.2L (L86) Sierra	• Brake Pedal Position Sensor Learn Command • CKP Variation Learn • Clutch Pedal Position Learn • Engine Oil Life Reset • Fuel Composition Reset • Fuel Trim Learn • Fuel Trim Reset • Fuel Trim Reset Command • HO2S Heater Learn • Idle Learn • Remote Vehicle Start Disable History Reset • A/C Compressor Clutch Relay Command • Compression Test • Cooling Fan Command • Cylinder Cutout • Depressurize Fuel System • Engine Controls Ignition Relay Command • Engine Oil Pressure Control Solenoid Valve • Engine Speed Command • Desired Throttle Position • EVAP Purge/Seal • EVAP Vent Solenoid Valve Command • EVAP Purge Solenoid Valve Command • Fuel Control Loop Status • Fuel Pressure Command • Fuel Pump Relay Command • Generator L-Terminal • HO2S Heater Command Bank 1 Sensor 1 • HO2S Heater Command Bank 1 Sensor 2 • HO2S Heater Command Bank 2 Sensor 1 • HO2S Heater Command Bank 2 Sensor 2 • Idle Ignition Timing • Ignition Timing Retard • Camshaft Position Actuator • Malfunction Indicator Lamp (MIL) • Reverse Inhibit Solenoid Actuator Command • Skip Shift Solenoid Actuator Command • Starter Relay • Throttle Sweep

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
2017	J - 6.2L (L86) Silverado	• Brake Pedal Position Sensor Learn Command • CKP Variation Learn • Clutch Pedal Position Learn • Engine Oil Life Reset • Fuel Composition Reset • Fuel Trim Learn • Fuel Trim Reset • Fuel Trim Reset Command • HO2S Heater Learn • Idle Learn • Remote Vehicle Start Disable History Reset • A/C Compressor Clutch Relay Command • Compression Test • Cooling Fan Command • Cylinder Cutout • Depressurize Fuel System • Engine Controls Ignition Relay Command • Engine Oil Pressure Control Solenoid Valve • Engine Speed Command • Desired Throttle Position • EVAP Purge/Seal • EVAP Vent Solenoid Valve Command • EVAP Purge Solenoid Valve Command • Fuel Control Loop Status • Fuel Pressure Command • Fuel Pump Relay Command • Generator L-Terminal • HO2S Heater Command Bank 1 Sensor 1 • HO2S Heater Command Bank 1 Sensor 2 • HO2S Heater Command Bank 2 Sensor 1 • HO2S Heater Command Bank 2 Sensor 2 • Idle Ignition Timing • Ignition Timing Retard • Camshaft Position Actuator • Malfunction Indicator Lamp (MIL) • Reverse Inhibit Solenoid Actuator Command • Skip Shift Solenoid Actuator Command • Starter Relay • Throttle Sweep

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
2017 - 2018	L - 6.6L (LGH) Express	• All Cylinders Fuel Injector Correction Value Reset • Ambient Air Temperature Calculation Reset • Brake Pedal Position Sensor Learn Command • Catalyst 1 Reset • CKP Variation Learn • Clutch Pedal Position Learn • DPF Pressure Sensor Reset • Engine Oil Life Reset • Fuel Composition Reset • Fuel Filter Life Reset • Fuel Injector Correction Value Preset • Fuel Trim Learn • Fuel Trim Reset • HO2S Heater Learn • Idle Learn • NOx Catalyst Reductant Loading Reset • NOx Catalyst Reset • NOx Sensor 1 Reset • NOx Sensor 2 Reset • Reductant Fluid Tank Level Reset • Reductant Injector Reset • Reductant System Data Reset • Reductant System Reset • Reductant Tank Level • Remote Vehicle Start Disable History Reset • Turbocharger Learn • A/C Compressor Clutch Relay Command • Add-On Heater Relay 2 and 3 Command • Compression Test • Cooling Fan Command • Cooling Fan Solenoid Valve Command • Copy Injector Flow Rates From GPCM • Copy Injector Flow Rates To GPCM • Depressurize Fuel System • DPF Regeneration Enable • DPF Service Regeneration • EGR Command • EGR Valve Command • Engine Controls Ignition Relay Command • Engine Speed Command

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
		• Desired Throttle Position • EVAP Purge/Seal • EVAP Test Command • EVAP Vent Solenoid Valve Command • EVAP Purge Solenoid Valve Command • Fuel Control Loop Status • Fuel Pressure Command • Fuel Pump Relay Command • Fuel Transfer Pump Relay Command • Generator L-Terminal • Idle Ignition Timing • Ignition Timing Retard • Camshaft Position Actuator • Malfunction Indicator Lamp (MIL) • Reductant Heater 1 Command • Reductant Heater 2 Command • Reductant Injection Quantity Test • Reductant Injector Command • Reductant Pump Command • Reductant System Leak Test • Reductant System Malfunction Warning Service Bay Test • Starter Relay • Throttle Sweep • Turbocharger Vane Position • Turbocharger Vane Position Command

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
2017 - 2018	L - 6.6L (LGH) Savana	• All Cylinders Fuel Injector Correction Value Reset • Ambient Air Temperature Calculation Reset • Brake Pedal Position Sensor Learn Command • Catalyst 1 Reset • CKP Variation Learn • Clutch Pedal Position Learn • DPF Pressure Sensor Reset • Engine Oil Life Reset • Fuel Composition Reset • Fuel Filter Life Reset • Fuel Injector Correction Value Preset • Fuel Trim Learn • Fuel Trim Reset • HO2S Heater Learn • Idle Learn • NOx Catalyst Reductant Loading Reset • NOx Catalyst Reset • NOx Sensor 1 Reset • NOx Sensor 2 Reset • Reductant Fluid Tank Level Reset • Reductant Injector Reset • Reductant System Data Reset • Reductant System Reset • Reductant Tank Level • Remote Vehicle Start Disable History Reset • Turbocharger Learn • A/C Compressor Clutch Relay Command • Add-On Heater Relay 2 and 3 Command • Compression Test • Cooling Fan Command • Cooling Fan Solenoid Valve Command • Copy Injector Flow Rates From GPCM • Copy Injector Flow Rates To GPCM • Depressurize Fuel System • DPF Regeneration Enable • DPF Service Regeneration • EGR Command • EGR Valve Command • Engine Controls Ignition Relay Command • Engine Speed Command

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
		• Desired Throttle Position • EVAP Purge/Seal • EVAP Test Command • EVAP Vent Solenoid Valve Command • EVAP Purge Solenoid Valve Command • Fuel Control Loop Status • Fuel Pressure Command • Fuel Pump Relay Command • Fuel Transfer Pump Relay Command • Generator L-Terminal • Idle Ignition Timing • Ignition Timing Retard • Camshaft Position Actuator • Malfunction Indicator Lamp (MIL) • Reductant Heater 1 Command • Reductant Heater 2 Command • Reductant Injection Quantity Test • Reductant Injector Command • Reductant Pump Command • Reductant System Leak Test • Reductant System Malfunction Warning Service Bay Test • Starter Relay • Throttle Sweep • Turbocharger Vane Position • Turbocharger Vane Position Command

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
2017	P - 4.3L (LV1) Sierra	• Brake Pedal Position Sensor Learn Command • CKP Variation Learn • Clutch Pedal Position Learn • Engine Oil Life Reset • Fuel Composition Reset • Fuel Trim Learn • Fuel Trim Reset • Fuel Trim Reset Command • HO2S Heater Learn • Idle Learn • Remote Vehicle Start Disable History Reset • A/C Compressor Clutch Relay Command • Compression Test • Cooling Fan Command • Cylinder Cutout • Depressurize Fuel System • Engine Controls Ignition Relay Command • Engine Oil Pressure Control Solenoid Valve • Engine Speed Command • Desired Throttle Position • EVAP Purge/Seal • EVAP Vent Solenoid Valve Command • EVAP Purge Solenoid Valve Command • Fuel Control Loop Status • Fuel Pressure Command • Fuel Pump Relay Command • Generator L-Terminal • HO2S Heater Command Bank 1 Sensor 1 • HO2S Heater Command Bank 1 Sensor 2 • HO2S Heater Command Bank 2 Sensor 1 • HO2S Heater Command Bank 2 Sensor 2 • Idle Ignition Timing • Ignition Timing Retard • Camshaft Position Actuator • Malfunction Indicator Lamp (MIL) • Reverse Inhibit Solenoid Actuator Command • Skip Shift Solenoid Actuator Command • Starter Relay • Throttle Sweep

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
2017	P - 4.3L (LV1) Silverado	• Brake Pedal Position Sensor Learn Command • CKP Variation Learn • Clutch Pedal Position Learn • Engine Oil Life Reset • Fuel Composition Reset • Fuel Trim Learn • Fuel Trim Reset • Fuel Trim Reset Command • HO2S Heater Learn • Idle Learn • Remote Vehicle Start Disable History Reset • A/C Compressor Clutch Relay Command • Compression Test • Cooling Fan Command • Cylinder Cutout • Depressurize Fuel System • Engine Controls Ignition Relay Command • Engine Oil Pressure Control Solenoid Valve • Engine Speed Command • Desired Throttle Position • EVAP Purge/Seal • EVAP Vent Solenoid Valve Command • EVAP Purge Solenoid Valve Command • Fuel Control Loop Status • Fuel Pressure Command • Fuel Pump Relay Command • Generator L-Terminal • HO2S Heater Command Bank 1 Sensor 1 • HO2S Heater Command Bank 1 Sensor 2 • HO2S Heater Command Bank 2 Sensor 1 • HO2S Heater Command Bank 2 Sensor 2 • Idle Ignition Timing • Ignition Timing Retard • Camshaft Position Actuator • Malfunction Indicator Lamp (MIL) • Reverse Inhibit Solenoid Actuator Command • Skip Shift Solenoid Actuator Command • Starter Relay • Throttle Sweep

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
2017 - 2018	R - 5.3L (L8B) Sierra	• Brake Pedal Position Sensor Learn Command • CKP Variation Learn • Clutch Pedal Position Learn • Engine Oil Life Reset • Fuel Composition Reset • Fuel Trim Learn • Fuel Trim Reset • Fuel Trim Reset Command • HO2S Heater Learn • Idle Learn • Remote Vehicle Start Disable History Reset • A/C Compressor Clutch Relay Command • Compression Test • Cooling Fan Command • Cylinder Cutout • Depressurize Fuel System • Engine Controls Ignition Relay Command • Engine Oil Pressure Control Solenoid Valve • Engine Speed Command • Desired Throttle Position • EVAP Purge/Seal • EVAP Vent Solenoid Valve Command • EVAP Purge Solenoid Valve Command • Fuel Control Loop Status • Fuel Pressure Command • Fuel Pump Relay Command • Generator L-Terminal • HO2S Heater Command Bank 1 Sensor 1 • HO2S Heater Command Bank 1 Sensor 2 • HO2S Heater Command Bank 2 Sensor 1 • HO2S Heater Command Bank 2 Sensor 2 • Idle Ignition Timing • Ignition Timing Retard • Camshaft Position Actuator • Malfunction Indicator Lamp (MIL) • Reverse Inhibit Solenoid Actuator Command • Skip Shift Solenoid Actuator Command • Starter Relay • Throttle Sweep

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
2017 - 2018	R - 5.3L (L8B) Silverado	• Brake Pedal Position Sensor Learn Command • CKP Variation Learn • Clutch Pedal Position Learn • Engine Oil Life Reset • Fuel Composition Reset • Fuel Trim Learn • Fuel Trim Reset • Fuel Trim Reset Command • HO2S Heater Learn • Idle Learn • Remote Vehicle Start Disable History Reset • A/C Compressor Clutch Relay Command • Compression Test • Cooling Fan Command • Cylinder Cutout • Depressurize Fuel System • Engine Controls Ignition Relay Command • Engine Oil Pressure Control Solenoid Valve • Engine Speed Command • Desired Throttle Position • EVAP Purge/Seal • EVAP Vent Solenoid Valve Command • EVAP Purge Solenoid Valve Command • Fuel Control Loop Status • Fuel Pressure Command • Fuel Pump Relay Command • Generator L-Terminal • HO2S Heater Command Bank 1 Sensor 1 • HO2S Heater Command Bank 1 Sensor 2 • HO2S Heater Command Bank 2 Sensor 1 • HO2S Heater Command Bank 2 Sensor 2 • Idle Ignition Timing • Ignition Timing Retard • Camshaft Position Actuator • Malfunction Indicator Lamp (MIL) • Reverse Inhibit Solenoid Actuator Command • Skip Shift Solenoid Actuator Command • Starter Relay • Throttle Sweep

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
2017	Y - 6.6L (L5P) Sierra	• All Cylinders Fuel Injector Correction Value Reset • Ambient Air Temperature Calculation Reset • Brake Pedal Position Sensor Learn Command • Catalyst 1 Reset • CKP Variation Learn • Clutch Pedal Position Learn • DPF Pressure Sensor Reset • Engine Oil Life Reset • Fuel Composition Reset • Fuel Filter Life Reset • Fuel Injector Correction Value Preset • Fuel Trim Learn • Fuel Trim Reset • HO2S Heater Learn • Idle Learn • NOx Catalyst Reductant Loading Reset • NOx Catalyst Reset • NOx Sensor 1 Reset • NOx Sensor 2 Reset • Reductant Fluid Tank Level Reset • Reductant Injector Reset • Reductant System Data Reset • Reductant System Reset • Reductant Tank Level • Remote Vehicle Start Disable History Reset • Turbocharger Learn • A/C Compressor Clutch Relay Command • Add-On Heater Relay 2 and 3 Command • Compression Test • Cooling Fan Command • Cooling Fan Solenoid Valve Command • Cylinder 1 Glow Plug Command • Cylinder 2 Glow Plug Command • Cylinder 3 Glow Plug Command • Cylinder 4 Glow Plug Command • Cylinder Cutout • Depressurize Fuel System • DPF Regeneration Enable • DPF Service Regeneration • EGR Command

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
		• EGR Cooler Bypass Motor • EGR Cooler Bypass Valve Command • EGR Valve Command • Engine Controls Ignition Relay Command • Engine Oil Pressure Control Solenoid Valve • Engine Speed Command • Desired Throttle Position • EVAP Purge/Seal • EVAP Test Command • Exhaust Aftertreatment Fuel Injector Cleaning Procedure • Exhaust Aftertreatment Fuel Injector Command • Exhaust Aftertreatment Fuel Injector Flow Test • EVAP Vent Solenoid Valve Command • EVAP Purge Solenoid Valve Command • Fuel Control Loop Status • Fuel Heater Relay Command • Fuel Pressure Command • Fuel Pressure Control - Regulator 1 • Fuel Pressure Control - Regulator 2 • Fuel Pump Relay Command • Fuel Pump 2 Relay Command • Fuel System High Pressure Test (Engine Runs) • Fuel Transfer Pump Relay Command • Generator L-Terminal • Glow Plug Self-Test Command • High Side Driver 1 Command • High Side Driver 2 Command • Idle Ignition Timing • Ignition Timing Retard • Camshaft Position Actuator • Malfunction Indicator Lamp (MIL) • Particulate Matter Sensor Regeneration • Reductant Heater 1 Command • Reductant Heater 2 Command • Reductant Injection Quantity Test • Reductant Injector Command • Reductant Pump Command • Reductant System Leak Test • Reductant System Malfunction Warning Service Bay Test • Starter Relay

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
		• Throttle Sweep • Turbocharger Vane Position • Turbocharger Vane Position Command

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
2017	Y - 6.6L (L5P) Silverado	• All Cylinders Fuel Injector Correction Value Reset • Ambient Air Temperature Calculation Reset • Brake Pedal Position Sensor Learn Command • Catalyst 1 Reset • CKP Variation Learn • Clutch Pedal Position Learn • DPF Pressure Sensor Reset • Engine Oil Life Reset • Fuel Composition Reset • Fuel Filter Life Reset • Fuel Injector Correction Value Preset • Fuel Trim Learn • Fuel Trim Reset • HO2S Heater Learn • Idle Learn • NOx Catalyst Reductant Loading Reset • NOx Catalyst Reset • NOx Sensor 1 Reset • NOx Sensor 2 Reset • Reductant Fluid Tank Level Reset • Reductant Injector Reset • Reductant System Data Reset • Reductant System Reset • Reductant Tank Level • Remote Vehicle Start Disable History Reset • Turbocharger Learn • A/C Compressor Clutch Relay Command • Add-On Heater Relay 2 and 3 Command • Compression Test • Cooling Fan Command • Cooling Fan Solenoid Valve Command • Cylinder 1 Glow Plug Command • Cylinder 2 Glow Plug Command • Cylinder 3 Glow Plug Command • Cylinder 4 Glow Plug Command • Cylinder Cutout • Depressurize Fuel System • DPF Regeneration Enable • DPF Service Regeneration • EGR Command

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
		• EGR Cooler Bypass Motor • EGR Cooler Bypass Valve Command • EGR Valve Command • Engine Controls Ignition Relay Command • Engine Oil Pressure Control Solenoid Valve • Engine Speed Command • Desired Throttle Position • EVAP Purge/Seal • EVAP Test Command • Exhaust Aftertreatment Fuel Injector Cleaning Procedure • Exhaust Aftertreatment Fuel Injector Command • Exhaust Aftertreatment Fuel Injector Flow Test • EVAP Vent Solenoid Valve Command • EVAP Purge Solenoid Valve Command • Fuel Control Loop Status • Fuel Heater Relay Command • Fuel Pressure Command • Fuel Pressure Control - Regulator 1 • Fuel Pressure Control - Regulator 2 • Fuel Pump Relay Command • Fuel Pump 2 Relay Command • Fuel System High Pressure Test (Engine Runs) • Fuel Transfer Pump Relay Command • Generator L-Terminal • Glow Plug Self-Test Command • High Side Driver 1 Command • High Side Driver 2 Command • Idle Ignition Timing • Ignition Timing Retard • Camshaft Position Actuator • Malfunction Indicator Lamp (MIL) • Particulate Matter Sensor Regeneration • Reductant Heater 1 Command • Reductant Heater 2 Command • Reductant Injection Quantity Test • Reductant Injector Command • Reductant Pump Command • Reductant System Leak Test • Reductant System Malfunction Warning Service Bay Test • Starter Relay

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
		• Throttle Sweep • Turbocharger Vane Position • Turbocharger Vane Position Command

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
2018 - 2019	B - 6.0L (LC8) Express	• Brake Pedal Position Sensor Learn Command • CKP Variation Learn • Clutch Pedal Position Learn • Engine Oil Life Reset • Fuel Composition Reset • Fuel Trim Learn • Fuel Trim Reset • HO2S Heater Learn • Idle Learn • Remote Vehicle Start Disable History Reset • Throttle Body Idle Air Flow Compensation Reset • A/C Compressor Clutch Relay Command • Charge Air Cooler Coolant Pump Relay Command • Cylinder Cutout • Engine Controls Ignition Relay Command • Engine Speed Command • Desired Throttle Position • Throttle Sweep Test • EVAP Purge/Seal • EVAP Vent Solenoid Valve Command • EVAP Purge Solenoid Valve Command • Fuel Control Loop Status • Fuel Pump Relay Command • Fuel Pump 2 Relay Command • Generator L-Terminal • HO2S Heater Command Bank 1 Sensor 1 • HO2S Heater Command Bank 1 Sensor 2 • HO2S Heater Command Bank 2 Sensor 1 • HO2S Heater Command Bank 2 Sensor 2 • Idle Ignition Timing • Ignition Timing Retard • Injector Balance • Camshaft Position Actuator • Intake Manifold Runner Control Valve • Malfunction Indicator Lamp (MIL) • Reverse Inhibit Solenoid Actuator Command • Skip Shift Solenoid Actuator Command • Starter Relay

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
2018 - 2019	B - 6.0L (LC8) Savana	• Brake Pedal Position Sensor Learn Command • CKP Variation Learn • Clutch Pedal Position Learn • Engine Oil Life Reset • Fuel Composition Reset • Fuel Trim Learn • Fuel Trim Reset • HO2S Heater Learn • Idle Learn • Remote Vehicle Start Disable History Reset • Throttle Body Idle Air Flow Compensation Reset • A/C Compressor Clutch Relay Command • Charge Air Cooler Coolant Pump Relay Command • Cylinder Cutout • Engine Controls Ignition Relay Command • Engine Speed Command • Desired Throttle Position • Throttle Sweep Test • EVAP Purge/Seal • EVAP Vent Solenoid Valve Command • EVAP Purge Solenoid Valve Command • Fuel Control Loop Status • Fuel Pump Relay Command • Fuel Pump 2 Relay Command • Generator L-Terminal • HO2S Heater Command Bank 1 Sensor 1 • HO2S Heater Command Bank 1 Sensor 2 • HO2S Heater Command Bank 2 Sensor 1 • HO2S Heater Command Bank 2 Sensor 2 • Idle Ignition Timing • Ignition Timing Retard • Injector Balance • Camshaft Position Actuator • Intake Manifold Runner Control Valve • Malfunction Indicator Lamp (MIL) • Reverse Inhibit Solenoid Actuator Command • Skip Shift Solenoid Actuator Command • Starter Relay

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
2018	B - 6.0L (LC8) Sierra	• Brake Pedal Position Sensor Learn Command • CKP Variation Learn • Clutch Pedal Position Learn • Engine Oil Life Reset • Fuel Composition Reset • Fuel Trim Learn • Fuel Trim Reset • HO2S Heater Learn • Idle Learn • Remote Vehicle Start Disable History Reset • Throttle Body Idle Air Flow Compensation Reset • A/C Compressor Clutch Relay Command • Charge Air Cooler Coolant Pump Relay Command • Cylinder Cutout • Engine Controls Ignition Relay Command • Engine Speed Command • Desired Throttle Position • Throttle Sweep Test • EVAP Purge/Seal • EVAP Vent Solenoid Valve Command • EVAP Purge Solenoid Valve Command • Fuel Control Loop Status • Fuel Pump Relay Command • Fuel Pump 2 Relay Command • Generator L-Terminal • HO2S Heater Command Bank 1 Sensor 1 • HO2S Heater Command Bank 1 Sensor 2 • HO2S Heater Command Bank 2 Sensor 1 • HO2S Heater Command Bank 2 Sensor 2 • Idle Ignition Timing • Ignition Timing Retard • Injector Balance • Camshaft Position Actuator • Intake Manifold Runner Control Valve • Malfunction Indicator Lamp (MIL) • Reverse Inhibit Solenoid Actuator Command • Skip Shift Solenoid Actuator Command • Starter Relay

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
2018	B - 6.0L (LC8) Silverado	• Brake Pedal Position Sensor Learn Command • CKP Variation Learn • Clutch Pedal Position Learn • Engine Oil Life Reset • Fuel Composition Reset • Fuel Trim Learn • Fuel Trim Reset • HO2S Heater Learn • Idle Learn • Remote Vehicle Start Disable History Reset • Throttle Body Idle Air Flow Compensation Reset • A/C Compressor Clutch Relay Command • Charge Air Cooler Coolant Pump Relay Command • Cylinder Cutout • Engine Controls Ignition Relay Command • Engine Speed Command • Desired Throttle Position • Throttle Sweep Test • EVAP Purge/Seal • EVAP Vent Solenoid Valve Command • EVAP Purge Solenoid Valve Command • Fuel Control Loop Status • Fuel Pump Relay Command • Fuel Pump 2 Relay Command • Generator L-Terminal • HO2S Heater Command Bank 1 Sensor 1 • HO2S Heater Command Bank 1 Sensor 2 • HO2S Heater Command Bank 2 Sensor 1 • HO2S Heater Command Bank 2 Sensor 2 • Idle Ignition Timing • Ignition Timing Retard • Injector Balance • Camshaft Position Actuator • Intake Manifold Runner Control Valve • Malfunction Indicator Lamp (MIL) • Reverse Inhibit Solenoid Actuator Command • Skip Shift Solenoid Actuator Command • Starter Relay

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
2018	C - 5.3L (L83) Sierra	• Brake Pedal Position Sensor Learn Command • CKP Variation Learn • Clutch Pedal Position Learn • Engine Oil Life Reset • Fuel Composition Reset • Fuel Trim Learn • Fuel Trim Reset • Fuel Trim Reset Command • HO2S Heater Learn • Idle Learn • Remote Vehicle Start Disable History Reset • A/C Compressor Clutch Relay Command • Compression Test • Cooling Fan Command • Cylinder Cutout • Depressurize Fuel System • Engine Controls Ignition Relay Command • Engine Oil Pressure Control Solenoid Valve • Engine Speed Command • Desired Throttle Position • EVAP Vent Solenoid Valve Command • EVAP Purge Solenoid Valve Command • Fuel Control Loop Status • Fuel Pressure Command • Fuel Pump Relay Command • Generator L-Terminal • HO2S Heater Command Bank 1 Sensor 1 • HO2S Heater Command Bank 1 Sensor 2 • HO2S Heater Command Bank 2 Sensor 1 • HO2S Heater Command Bank 2 Sensor 2 • Idle Ignition Timing • Ignition Timing Retard • Camshaft Position Actuator • Malfunction Indicator Lamp (MIL) • Reverse Inhibit Solenoid Actuator Command • Skip Shift Solenoid Actuator Command • Starter Relay • Throttle Sweep

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
2018	C - 5.3L (L83) Silverado	• Brake Pedal Position Sensor Learn Command • CKP Variation Learn • Clutch Pedal Position Learn • Engine Oil Life Reset • Fuel Composition Reset • Fuel Trim Learn • Fuel Trim Reset • Fuel Trim Reset Command • HO2S Heater Learn • Idle Learn • Remote Vehicle Start Disable History Reset • A/C Compressor Clutch Relay Command • Compression Test • Cooling Fan Command • Cylinder Cutout • Depressurize Fuel System • Engine Controls Ignition Relay Command • Engine Oil Pressure Control Solenoid Valve • Engine Speed Command • Desired Throttle Position • EVAP Vent Solenoid Valve Command • EVAP Purge Solenoid Valve Command • Fuel Control Loop Status • Fuel Pressure Command • Fuel Pump Relay Command • Generator L-Terminal • HO2S Heater Command Bank 1 Sensor 1 • HO2S Heater Command Bank 1 Sensor 2 • HO2S Heater Command Bank 2 Sensor 1 • HO2S Heater Command Bank 2 Sensor 2 • Idle Ignition Timing • Ignition Timing Retard • Camshaft Position Actuator • Malfunction Indicator Lamp (MIL) • Reverse Inhibit Solenoid Actuator Command • Skip Shift Solenoid Actuator Command • Starter Relay • Throttle Sweep

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
2018	F - 4.8L (L20) Express	• Brake Pedal Position Sensor Learn Command • CKP Variation Learn • Clutch Pedal Position Learn • Engine Oil Life Reset • Fuel Composition Reset • Fuel Trim Learn • Fuel Trim Reset • HO2S Heater Learn • Idle Learn • Remote Vehicle Start Disable History Reset • A/C Compressor Clutch Relay Command • Charge Air Cooler Coolant Pump Relay Command • Cooling Fan Command • Cylinder Cutout • Engine Controls Ignition Relay Command • Engine Speed Command • Desired Throttle Position • EVAP Purge/Seal • EVAP Vent Solenoid Valve Command • EVAP Purge Solenoid Valve Command • Fuel Control Loop Status • Generator L-Terminal • HO2S Heater Command Bank 1 Sensor 1 • HO2S Heater Command Bank 1 Sensor 2 • HO2S Heater Command Bank 2 Sensor 1 • HO2S Heater Command Bank 2 Sensor 2 • Idle Ignition Timing • Ignition Timing Retard • Camshaft Position Actuator • Intake Manifold Runner Control Valve • Malfunction Indicator Lamp (MIL) • Reverse Inhibit Solenoid Actuator Command • RPM Control • Skip Shift Solenoid Actuator Command • Starter Relay

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
2018	F - 4.8L (L20) Savana	• Brake Pedal Position Sensor Learn Command • CKP Variation Learn • Clutch Pedal Position Learn • Engine Oil Life Reset • Fuel Composition Reset • Fuel Trim Learn • Fuel Trim Reset • HO2S Heater Learn • Idle Learn • Remote Vehicle Start Disable History Reset • A/C Compressor Clutch Relay Command • Charge Air Cooler Coolant Pump Relay Command • Cooling Fan Command • Cylinder Cutout • Engine Controls Ignition Relay Command • Engine Speed Command • Desired Throttle Position • EVAP Purge/Seal • EVAP Vent Solenoid Valve Command • EVAP Purge Solenoid Valve Command • Fuel Control Loop Status • Generator L-Terminal • HO2S Heater Command Bank 1 Sensor 1 • HO2S Heater Command Bank 1 Sensor 2 • HO2S Heater Command Bank 2 Sensor 1 • HO2S Heater Command Bank 2 Sensor 2 • Idle Ignition Timing • Ignition Timing Retard • Camshaft Position Actuator • Intake Manifold Runner Control Valve • Malfunction Indicator Lamp (MIL) • Reverse Inhibit Solenoid Actuator Command • RPM Control • Skip Shift Solenoid Actuator Command • Starter Relay

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
2018 - 2019	G - 6.0L (L96) Express	• Brake Pedal Position Sensor Learn Command • CKP Variation Learn • Clutch Pedal Position Learn • Engine Oil Life Reset • Fuel Composition Reset • Fuel Trim Learn • Fuel Trim Reset • HO2S Heater Learn • Idle Learn • Remote Vehicle Start Disable History Reset • Throttle Body Idle Air Flow Compensation Reset • A/C Compressor Clutch Relay Command • Charge Air Cooler Coolant Pump Relay Command • Cooling Fan Command • Cylinder Cutout • Engine Controls Ignition Relay Command • Engine Speed Command • Desired Throttle Position • Throttle Sweep Test • EVAP Purge/Seal • EVAP Vent Solenoid Valve Command • EVAP Purge Solenoid Valve Command • Fuel Control Loop Status • Fuel Pump Relay Command • Fuel Pump 2 Relay Command • Generator L-Terminal • HO2S Heater Command Bank 1 Sensor 1 • HO2S Heater Command Bank 1 Sensor 2 • HO2S Heater Command Bank 2 Sensor 1 • HO2S Heater Command Bank 2 Sensor 2 • Idle Ignition Timing • Ignition Timing Retard • Injector Balance • Camshaft Position Actuator • Intake Manifold Runner Control Valve • Malfunction Indicator Lamp (MIL) • Reverse Inhibit Solenoid Actuator Command • Skip Shift Solenoid Actuator Command • Starter Relay

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
2018 - 2019	G - 6.0L (L96) Savana	• Brake Pedal Position Sensor Learn Command • CKP Variation Learn • Clutch Pedal Position Learn • Engine Oil Life Reset • Fuel Composition Reset • Fuel Trim Learn • Fuel Trim Reset • HO2S Heater Learn • Idle Learn • Remote Vehicle Start Disable History Reset • Throttle Body Idle Air Flow Compensation Reset • A/C Compressor Clutch Relay Command • Charge Air Cooler Coolant Pump Relay Command • Cooling Fan Command • Cylinder Cutout • Engine Controls Ignition Relay Command • Engine Speed Command • Desired Throttle Position • Throttle Sweep Test • EVAP Purge/Seal • EVAP Vent Solenoid Valve Command • EVAP Purge Solenoid Valve Command • Fuel Control Loop Status • Fuel Pump Relay Command • Fuel Pump 2 Relay Command • Generator L-Terminal • HO2S Heater Command Bank 1 Sensor 1 • HO2S Heater Command Bank 1 Sensor 2 • HO2S Heater Command Bank 2 Sensor 1 • HO2S Heater Command Bank 2 Sensor 2 • Idle Ignition Timing • Ignition Timing Retard • Injector Balance • Camshaft Position Actuator • Intake Manifold Runner Control Valve • Malfunction Indicator Lamp (MIL) • Reverse Inhibit Solenoid Actuator Command • Skip Shift Solenoid Actuator Command • Starter Relay

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
2018	G - 6.0L (L96) Sierra	• Brake Pedal Position Sensor Learn Command • CKP Variation Learn • Clutch Pedal Position Learn • Engine Oil Life Reset • Fuel Composition Reset • Fuel Trim Learn • Fuel Trim Reset • HO2S Heater Learn • Idle Learn • Remote Vehicle Start Disable History Reset • Throttle Body Idle Air Flow Compensation Reset • A/C Compressor Clutch Relay Command • Charge Air Cooler Coolant Pump Relay Command • Cooling Fan Command • Cylinder Cutout • Engine Controls Ignition Relay Command • Engine Speed Command • Desired Throttle Position • Throttle Sweep Test • EVAP Purge/Seal • EVAP Vent Solenoid Valve Command • EVAP Purge Solenoid Valve Command • Fuel Control Loop Status • Fuel Pump Relay Command • Fuel Pump 2 Relay Command • Generator L-Terminal • HO2S Heater Command Bank 1 Sensor 1 • HO2S Heater Command Bank 1 Sensor 2 • HO2S Heater Command Bank 2 Sensor 1 • HO2S Heater Command Bank 2 Sensor 2 • Idle Ignition Timing • Ignition Timing Retard • Injector Balance • Camshaft Position Actuator • Intake Manifold Runner Control Valve • Malfunction Indicator Lamp (MIL) • Reverse Inhibit Solenoid Actuator Command • Skip Shift Solenoid Actuator Command • Starter Relay

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
2018	G - 6.0L (L96) Silverado	• Brake Pedal Position Sensor Learn Command • CKP Variation Learn • Clutch Pedal Position Learn • Engine Oil Life Reset • Fuel Composition Reset • Fuel Trim Learn • Fuel Trim Reset • HO2S Heater Learn • Idle Learn • Remote Vehicle Start Disable History Reset • Throttle Body Idle Air Flow Compensation Reset • A/C Compressor Clutch Relay Command • Charge Air Cooler Coolant Pump Relay Command • Cooling Fan Command • Cylinder Cutout • Engine Controls Ignition Relay Command • Engine Speed Command • Desired Throttle Position • Throttle Sweep Test • EVAP Purge/Seal • EVAP Vent Solenoid Valve Command • EVAP Purge Solenoid Valve Command • Fuel Control Loop Status • Fuel Pump Relay Command • Fuel Pump 2 Relay Command • Generator L-Terminal • HO2S Heater Command Bank 1 Sensor 1 • HO2S Heater Command Bank 1 Sensor 2 • HO2S Heater Command Bank 2 Sensor 1 • HO2S Heater Command Bank 2 Sensor 2 • Idle Ignition Timing • Ignition Timing Retard • Injector Balance • Camshaft Position Actuator • Intake Manifold Runner Control Valve • Malfunction Indicator Lamp (MIL) • Reverse Inhibit Solenoid Actuator Command • Skip Shift Solenoid Actuator Command • Starter Relay

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
2018	H - 4.3L (LV3) Sierra	• Brake Pedal Position Sensor Learn Command • CKP Variation Learn • Clutch Pedal Position Learn • Engine Oil Life Reset • Fuel Composition Reset • Fuel Trim Learn • Fuel Trim Reset • Fuel Trim Reset Command • HO2S Heater Learn • Idle Learn • Remote Vehicle Start Disable History Reset • A/C Compressor Clutch Relay Command • Compression Test • Cooling Fan Command • Cylinder Cutout • Depressurize Fuel System • Engine Controls Ignition Relay Command • Engine Oil Pressure Control Solenoid Valve • Engine Speed Command • Desired Throttle Position • EVAP Vent Solenoid Valve Command • EVAP Purge Solenoid Valve Command • Fuel Control Loop Status • Fuel Pressure Command • Fuel Pump Relay Command • Generator L-Terminal • HO2S Heater Command Bank 1 Sensor 1 • HO2S Heater Command Bank 1 Sensor 2 • HO2S Heater Command Bank 2 Sensor 1 • HO2S Heater Command Bank 2 Sensor 2 • Idle Ignition Timing • Ignition Timing Retard • Camshaft Position Actuator • Malfunction Indicator Lamp (MIL) • Reverse Inhibit Solenoid Actuator Command • Skip Shift Solenoid Actuator Command • Starter Relay • Throttle Sweep

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
2018	H - 4.3L (LV3) Silverado	• Brake Pedal Position Sensor Learn Command • CKP Variation Learn • Clutch Pedal Position Learn • Engine Oil Life Reset • Fuel Composition Reset • Fuel Trim Learn • Fuel Trim Reset • Fuel Trim Reset Command • HO2S Heater Learn • Idle Learn • Remote Vehicle Start Disable History Reset • A/C Compressor Clutch Relay Command • Compression Test • Cooling Fan Command • Cylinder Cutout • Depressurize Fuel System • Engine Controls Ignition Relay Command • Engine Oil Pressure Control Solenoid Valve • Engine Speed Command • Desired Throttle Position • EVAP Vent Solenoid Valve Command • EVAP Purge Solenoid Valve Command • Fuel Control Loop Status • Fuel Pressure Command • Fuel Pump Relay Command • Generator L-Terminal • HO2S Heater Command Bank 1 Sensor 1 • HO2S Heater Command Bank 1 Sensor 2 • HO2S Heater Command Bank 2 Sensor 1 • HO2S Heater Command Bank 2 Sensor 2 • Idle Ignition Timing • Ignition Timing Retard • Camshaft Position Actuator • Malfunction Indicator Lamp (MIL) • Reverse Inhibit Solenoid Actuator Command • Skip Shift Solenoid Actuator Command • Starter Relay • Throttle Sweep

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
2018	J - 6.2L (L86) Sierra	• Brake Pedal Position Sensor Learn Command • CKP Variation Learn • Clutch Pedal Position Learn • Engine Oil Life Reset • Fuel Composition Reset • Fuel Trim Learn • Fuel Trim Reset • Fuel Trim Reset Command • HO2S Heater Learn • Idle Learn • Remote Vehicle Start Disable History Reset • A/C Compressor Clutch Relay Command • Compression Test • Cooling Fan Command • Cylinder Cutout • Depressurize Fuel System • Engine Controls Ignition Relay Command • Engine Oil Pressure Control Solenoid Valve • Engine Speed Command • Desired Throttle Position • EVAP Vent Solenoid Valve Command • EVAP Purge Solenoid Valve Command • Fuel Control Loop Status • Fuel Pressure Command • Fuel Pump Relay Command • Generator L-Terminal • HO2S Heater Command Bank 1 Sensor 1 • HO2S Heater Command Bank 1 Sensor 2 • HO2S Heater Command Bank 2 Sensor 1 • HO2S Heater Command Bank 2 Sensor 2 • Idle Ignition Timing • Ignition Timing Retard • Camshaft Position Actuator • Malfunction Indicator Lamp (MIL) • Reverse Inhibit Solenoid Actuator Command • Skip Shift Solenoid Actuator Command • Starter Relay • Throttle Sweep

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
2018	J - 6.2L (L86) Silverado	• Brake Pedal Position Sensor Learn Command • CKP Variation Learn • Clutch Pedal Position Learn • Engine Oil Life Reset • Fuel Composition Reset • Fuel Trim Learn • Fuel Trim Reset • Fuel Trim Reset Command • HO2S Heater Learn • Idle Learn • Remote Vehicle Start Disable History Reset • A/C Compressor Clutch Relay Command • Compression Test • Cooling Fan Command • Cylinder Cutout • Depressurize Fuel System • Engine Controls Ignition Relay Command • Engine Oil Pressure Control Solenoid Valve • Engine Speed Command • Desired Throttle Position • EVAP Vent Solenoid Valve Command • EVAP Purge Solenoid Valve Command • Fuel Control Loop Status • Fuel Pressure Command • Fuel Pump Relay Command • Generator L-Terminal • HO2S Heater Command Bank 1 Sensor 1 • HO2S Heater Command Bank 1 Sensor 2 • HO2S Heater Command Bank 2 Sensor 1 • HO2S Heater Command Bank 2 Sensor 2 • Idle Ignition Timing • Ignition Timing Retard • Camshaft Position Actuator • Malfunction Indicator Lamp (MIL) • Reverse Inhibit Solenoid Actuator Command • Skip Shift Solenoid Actuator Command • Starter Relay • Throttle Sweep

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
2018	P - 4.3L (LV1) Sierra	• Brake Pedal Position Sensor Learn Command • CKP Variation Learn • Clutch Pedal Position Learn • Engine Oil Life Reset • Fuel Composition Reset • Fuel Trim Learn • Fuel Trim Reset • Fuel Trim Reset Command • HO2S Heater Learn • Idle Learn • Remote Vehicle Start Disable History Reset • A/C Compressor Clutch Relay Command • Compression Test • Cooling Fan Command • Cylinder Cutout • Depressurize Fuel System • Engine Controls Ignition Relay Command • Engine Oil Pressure Control Solenoid Valve • Engine Speed Command • Desired Throttle Position • EVAP Vent Solenoid Valve Command • EVAP Purge Solenoid Valve Command • Fuel Control Loop Status • Fuel Pressure Command • Fuel Pump Relay Command • Generator L-Terminal • HO2S Heater Command Bank 1 Sensor 1 • HO2S Heater Command Bank 1 Sensor 2 • HO2S Heater Command Bank 2 Sensor 1 • HO2S Heater Command Bank 2 Sensor 2 • Idle Ignition Timing • Ignition Timing Retard • Camshaft Position Actuator • Malfunction Indicator Lamp (MIL) • Reverse Inhibit Solenoid Actuator Command • Skip Shift Solenoid Actuator Command • Starter Relay • Throttle Sweep

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
2018	P - 4.3L (LV1) Silverado	• Brake Pedal Position Sensor Learn Command • CKP Variation Learn • Clutch Pedal Position Learn • Engine Oil Life Reset • Fuel Composition Reset • Fuel Trim Learn • Fuel Trim Reset • Fuel Trim Reset Command • HO2S Heater Learn • Idle Learn • Remote Vehicle Start Disable History Reset • A/C Compressor Clutch Relay Command • Compression Test • Cooling Fan Command • Cylinder Cutout • Depressurize Fuel System • Engine Controls Ignition Relay Command • Engine Oil Pressure Control Solenoid Valve • Engine Speed Command • Desired Throttle Position • EVAP Vent Solenoid Valve Command • EVAP Purge Solenoid Valve Command • Fuel Control Loop Status • Fuel Pressure Command • Fuel Pump Relay Command • Generator L-Terminal • HO2S Heater Command Bank 1 Sensor 1 • HO2S Heater Command Bank 1 Sensor 2 • HO2S Heater Command Bank 2 Sensor 1 • HO2S Heater Command Bank 2 Sensor 2 • Idle Ignition Timing • Ignition Timing Retard • Camshaft Position Actuator • Malfunction Indicator Lamp (MIL) • Reverse Inhibit Solenoid Actuator Command • Skip Shift Solenoid Actuator Command • Starter Relay • Throttle Sweep

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
2018	Y - 6.6L (L5P) Sierra	• All Cylinders Fuel Injector Correction Value Reset • Ambient Air Temperature Calculation Reset • BARO Sensor Reset Command • Brake Pedal Position Sensor Learn Command • Catalyst 1 Reset • CKP Variation Learn • Clutch Pedal Position Learn • Crankshaft Position Reluctor Ring Learned Values Reset • DPF Pressure Sensor Reset • DPF Reset • Engine Oil Life Reset • Exhaust Gas Temperature Sensor Reset • Fuel Composition Reset • Fuel Filter Life Reset • Fuel Injection Small Quantity Data Reset • Fuel Injector Correction Value Preset • Fuel Trim Learn • Fuel Trim Reset • HO2S Heater Learn • Idle Learn • NOx Catalyst Reductant Loading Reset • NOx Catalyst Reset • NOx Sensor 1 Reset • NOx Sensor 2 Reset • Reductant Fluid Tank Level Reset • Reductant System Data Reset • Remote Vehicle Start Disable History Reset • Turbocharger Learn • A/C Compressor Clutch Relay Command • Add-On Heater Relay 2 and 3 Command • Compression Test • Cooling Fan Command • Cooling Fan Solenoid Valve Command • Cylinder 1 Glow Plug Command • Cylinder 2 Glow Plug Command • Cylinder 3 Glow Plug Command • Cylinder 4 Glow Plug Command • Cylinder 5 Glow Plug Command • Cylinder 6 Glow Plug Command • Cylinder 7 Glow Plug Command

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
		• Cylinder 8 Glow Plug Command • Cylinder Cutout • Depressurize Fuel System • DPF Regeneration Enable • DPF Service Regeneration • EGR Command • EGR Cooler Bypass Motor • EGR Cooler Bypass Valve Command • EGR Valve Command • Engine Controls Ignition Relay Command • Engine Oil Pressure Control Solenoid Valve • Engine Speed Command • Desired Throttle Position • EVAP Purge/Seal • EVAP Test Command • Exhaust Aftertreatment Fuel Injector Cleaning Procedure • Exhaust Aftertreatment Fuel Injector Command • Exhaust Aftertreatment Fuel Injector Flow Test • EVAP Vent Solenoid Valve Command • EVAP Purge Solenoid Valve Command • Fuel Control Loop Status • Fuel Heater Relay Command • Fuel Pressure Command • Fuel Pressure Control - Regulator 1 • Fuel Pressure Control - Regulator 2 • Fuel Pump Relay Command • Fuel Pump 2 Relay Command • Fuel System High Pressure Test (Engine Runs) • Fuel Transfer Pump Relay Command • Generator L-Terminal • Glow Plug Self-Test Command • High Side Driver 1 Command • High Side Driver 2 Command • Idle Ignition Timing • Ignition Timing Retard • Camshaft Position Actuator • Malfunction Indicator Lamp (MIL) • Particulate Matter Sensor Regeneration • Reductant Heater 1 Command • Reductant Heater 2 Command

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
		• Reductant Injection Quantity Test • Reductant Injector Command • Reductant Pump Command • Reductant System Leak Test • Reductant System Malfunction Warning Service Bay Test • Starter Relay • Throttle Sweep • Turbocharger Vane Position • Turbocharger Vane Position Command

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
2018	Y - 6.6L (L5P) Silverado	• All Cylinders Fuel Injector Correction Value Reset • Ambient Air Temperature Calculation Reset • BARO Sensor Reset Command • Brake Pedal Position Sensor Learn Command • Catalyst 1 Reset • CKP Variation Learn • Clutch Pedal Position Learn • Crankshaft Position Reluctor Ring Learned Values Reset • DPF Pressure Sensor Reset • DPF Reset • Engine Oil Life Reset • Exhaust Gas Temperature Sensor Reset • Fuel Composition Reset • Fuel Filter Life Reset • Fuel Injection Small Quantity Data Reset • Fuel Injector Correction Value Preset • Fuel Trim Learn • Fuel Trim Reset • HO2S Heater Learn • Idle Learn • NOx Catalyst Reductant Loading Reset • NOx Catalyst Reset • NOx Sensor 1 Reset • NOx Sensor 2 Reset • Reductant Fluid Tank Level Reset • Reductant System Data Reset • Remote Vehicle Start Disable History Reset • Turbocharger Learn • A/C Compressor Clutch Relay Command • Add-On Heater Relay 2 and 3 Command • Compression Test • Cooling Fan Command • Cooling Fan Solenoid Valve Command • Cylinder 1 Glow Plug Command • Cylinder 2 Glow Plug Command • Cylinder 3 Glow Plug Command • Cylinder 4 Glow Plug Command • Cylinder 5 Glow Plug Command • Cylinder 6 Glow Plug Command • Cylinder 7 Glow Plug Command

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
		• Cylinder 8 Glow Plug Command • Cylinder Cutout • Depressurize Fuel System • DPF Regeneration Enable • DPF Service Regeneration • EGR Command • EGR Cooler Bypass Motor • EGR Cooler Bypass Valve Command • EGR Valve Command • Engine Controls Ignition Relay Command • Engine Oil Pressure Control Solenoid Valve • Engine Speed Command • Desired Throttle Position • EVAP Purge/Seal • EVAP Test Command • Exhaust Aftertreatment Fuel Injector Cleaning Procedure • Exhaust Aftertreatment Fuel Injector Command • Exhaust Aftertreatment Fuel Injector Flow Test • EVAP Vent Solenoid Valve Command • EVAP Purge Solenoid Valve Command • Fuel Control Loop Status • Fuel Heater Relay Command • Fuel Pressure Command • Fuel Pressure Control - Regulator 1 • Fuel Pressure Control - Regulator 2 • Fuel Pump Relay Command • Fuel Pump 2 Relay Command • Fuel System High Pressure Test (Engine Runs) • Fuel Transfer Pump Relay Command • Generator L-Terminal • Glow Plug Self-Test Command • High Side Driver 1 Command • High Side Driver 2 Command • Idle Ignition Timing • Ignition Timing Retard • Camshaft Position Actuator • Malfunction Indicator Lamp (MIL) • Particulate Matter Sensor Regeneration • Reductant Heater 1 Command • Reductant Heater 2 Command

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
		• Reductant Injection Quantity Test • Reductant Injector Command • Reductant Pump Command • Reductant System Leak Test • Reductant System Malfunction Warning Service Bay Test • Starter Relay • Throttle Sweep • Turbocharger Vane Position • Turbocharger Vane Position Command

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
2019	1 - 2.8L (LWN) Express	• All Cylinders Fuel Injector Correction Value Reset • Ambient Air Temperature Calculation Reset • BARO Sensor Reset Command • Brake Pedal Position Sensor Learn Command • Catalyst 1 Reset • CKP Variation Learn • Clutch Pedal Position Learn • Crankshaft Position Reluctor Ring Learn • Crankshaft Position Reluctor Ring Learned Values Reset • DPF Pressure Sensor Reset • DPF Reset • Engine Oil Life Reset • Exhaust Gas Temperature Sensor Reset • Fuel Composition Reset • Fuel Injector Correction Value Preset • Fuel Trim Learn • Fuel Trim Reset • HO2S Heater Learn • Idle Learn • NOx Catalyst Reductant Loading Reset • NOx Catalyst Reset • NOx Sensor 1 Reset • NOx Sensor 2 Reset • Reductant Injector Reset • Reductant System Data Reset • Reductant System Reset • Remote Vehicle Start Disable History Reset • Turbocharger Learn • A/C Compressor Clutch Relay Command • Cooling Fan Command • Cylinder 1 Glow Plug Command • Cylinder 2 Glow Plug Command • Cylinder 3 Glow Plug Command • Cylinder 4 Glow Plug Command • Cylinder Cutout • Depressurize Fuel System • DPF Regeneration Enable • DPF Service Regeneration • EGR Valve Command • Engine Controls Ignition Relay Command

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
		• Engine Oil Pressure Control Solenoid Valve • Engine Speed Command • Desired Throttle Position • EVAP Purge/Seal • EVAP Test Command • Exhaust Aftertreatment Fuel Injector Command • Exhaust Aftertreatment Fuel Injector Flow Test • EVAP Vent Solenoid Valve Command • EVAP Purge Solenoid Valve Command • Fuel Control Loop Status • Fuel Heater Relay Command • Fuel Pressure Command • Fuel Pressure Control - Regulator 1 • Fuel Pressure Control - Regulator 2 • Fuel Pump Relay Command • Fuel System High Pressure Test (Engine Runs) • Generator L-Terminal • Glow Plug Self-Test Command • High Side Driver 1 Command • High Side Driver 2 Command • Idle Ignition Timing • Ignition Timing Retard • Camshaft Position Actuator • Malfunction Indicator Lamp (MIL) • Reductant Heater 1 Command • Reductant Heater 2 Command • Reductant Injection Quantity Test • Reductant Injector Command • Reductant Pump Command • Reductant System Leak Test • Reductant System Malfunction Warning Service Bay Test • Starter Relay • Throttle Sweep • Turbocharger Vane Position

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
2019	1 - 2.8L (LWN) Savana	• All Cylinders Fuel Injector Correction Value Reset • Ambient Air Temperature Calculation Reset • BARO Sensor Reset Command • Brake Pedal Position Sensor Learn Command • Catalyst 1 Reset • CKP Variation Learn • Clutch Pedal Position Learn • Crankshaft Position Reluctor Ring Learn • Crankshaft Position Reluctor Ring Learned Values Reset • DPF Pressure Sensor Reset • DPF Reset • Engine Oil Life Reset • Exhaust Gas Temperature Sensor Reset • Fuel Composition Reset • Fuel Injector Correction Value Preset • Fuel Trim Learn • Fuel Trim Reset • HO2S Heater Learn • Idle Learn • NOx Catalyst Reductant Loading Reset • NOx Catalyst Reset • NOx Sensor 1 Reset • NOx Sensor 2 Reset • Reductant Injector Reset • Reductant System Data Reset • Reductant System Reset • Remote Vehicle Start Disable History Reset • Turbocharger Learn • A/C Compressor Clutch Relay Command • Cooling Fan Command • Cylinder 1 Glow Plug Command • Cylinder 2 Glow Plug Command • Cylinder 3 Glow Plug Command • Cylinder 4 Glow Plug Command • Cylinder Cutout • Depressurize Fuel System • DPF Regeneration Enable • DPF Service Regeneration • EGR Valve Command • Engine Controls Ignition Relay Command

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
		• Engine Oil Pressure Control Solenoid Valve • Engine Speed Command • Desired Throttle Position • EVAP Purge/Seal • EVAP Test Command • Exhaust Aftertreatment Fuel Injector Command • Exhaust Aftertreatment Fuel Injector Flow Test • EVAP Vent Solenoid Valve Command • EVAP Purge Solenoid Valve Command • Fuel Control Loop Status • Fuel Heater Relay Command • Fuel Pressure Command • Fuel Pressure Control - Regulator 1 • Fuel Pressure Control - Regulator 2 • Fuel Pump Relay Command • Fuel System High Pressure Test (Engine Runs) • Generator L-Terminal • Glow Plug Self-Test Command • High Side Driver 1 Command • High Side Driver 2 Command • Idle Ignition Timing • Ignition Timing Retard • Camshaft Position Actuator • Malfunction Indicator Lamp (MIL) • Reductant Heater 1 Command • Reductant Heater 2 Command • Reductant Injection Quantity Test • Reductant Injector Command • Reductant Pump Command • Reductant System Leak Test • Reductant System Malfunction Warning Service Bay Test • Starter Relay • Throttle Sweep • Turbocharger Vane Position

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
2019	B - 6.0L (LC8) Sierra HD	• Brake Pedal Position Sensor Learn Command • CKP Variation Learn • Clutch Pedal Position Learn • Engine Oil Life Reset • Fuel Composition Reset • Fuel Trim Learn • Fuel Trim Reset • HO2S Heater Learn • Idle Learn • Remote Vehicle Start Disable History Reset • Throttle Body Idle Air Flow Compensation Reset • A/C Compressor Clutch Relay Command • Charge Air Cooler Coolant Pump Relay Command • Cylinder Cutout • Engine Controls Ignition Relay Command • Engine Speed Command • Desired Throttle Position • Throttle Sweep Test • EVAP Purge/Seal • EVAP Vent Solenoid Valve Command • EVAP Purge Solenoid Valve Command • Fuel Control Loop Status • Fuel Pump Relay Command • Fuel Pump 2 Relay Command • Generator L-Terminal • HO2S Heater Command Bank 1 Sensor 1 • HO2S Heater Command Bank 1 Sensor 2 • HO2S Heater Command Bank 2 Sensor 1 • HO2S Heater Command Bank 2 Sensor 2 • Idle Ignition Timing • Ignition Timing Retard • Injector Balance • Camshaft Position Actuator • Intake Manifold Runner Control Valve • Malfunction Indicator Lamp (MIL) • Reverse Inhibit Solenoid Actuator Command • Skip Shift Solenoid Actuator Command • Starter Relay

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
2019	B - 6.0L (LC8) Silverado HD	• Brake Pedal Position Sensor Learn Command • CKP Variation Learn • Clutch Pedal Position Learn • Engine Oil Life Reset • Fuel Composition Reset • Fuel Trim Learn • Fuel Trim Reset • HO2S Heater Learn • Idle Learn • Remote Vehicle Start Disable History Reset • Throttle Body Idle Air Flow Compensation Reset • A/C Compressor Clutch Relay Command • Charge Air Cooler Coolant Pump Relay Command • Cylinder Cutout • Engine Controls Ignition Relay Command • Engine Speed Command • Desired Throttle Position • Throttle Sweep Test • EVAP Purge/Seal • EVAP Vent Solenoid Valve Command • EVAP Purge Solenoid Valve Command • Fuel Control Loop Status • Fuel Pump Relay Command • Fuel Pump 2 Relay Command • Generator L-Terminal • HO2S Heater Command Bank 1 Sensor 1 • HO2S Heater Command Bank 1 Sensor 2 • HO2S Heater Command Bank 2 Sensor 1 • HO2S Heater Command Bank 2 Sensor 2 • Idle Ignition Timing • Ignition Timing Retard • Injector Balance • Camshaft Position Actuator • Intake Manifold Runner Control Valve • Malfunction Indicator Lamp (MIL) • Reverse Inhibit Solenoid Actuator Command • Skip Shift Solenoid Actuator Command • Starter Relay

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
2019	C - 5.3L (L83) Sierra HD	• Brake Pedal Position Sensor Learn Command • CKP Variation Learn • Clutch Pedal Position Learn • Engine Oil Life Reset • Fuel Composition Reset • Fuel Trim Learn • Fuel Trim Reset • Fuel Trim Reset Command • HO2S Heater Learn • Idle Learn • Remote Vehicle Start Disable History Reset • A/C Compressor Clutch Relay Command • Compression Test • Cooling Fan Command • Cylinder Cutout • Depressurize Fuel System • Engine Controls Ignition Relay Command • Engine Oil Pressure Control Solenoid Valve • Engine Speed Command • Desired Throttle Position • EVAP Vent Solenoid Valve Command • EVAP Purge Solenoid Valve Command • Fuel Control Loop Status • Fuel Pressure Command • Fuel Pump Relay Command • Generator L-Terminal • HO2S Heater Command Bank 1 Sensor 1 • HO2S Heater Command Bank 1 Sensor 2 • HO2S Heater Command Bank 2 Sensor 1 • HO2S Heater Command Bank 2 Sensor 2 • Idle Ignition Timing • Ignition Timing Retard • Camshaft Position Actuator • Malfunction Indicator Lamp (MIL) • Reverse Inhibit Solenoid Actuator Command • Skip Shift Solenoid Actuator Command • Starter Relay • Throttle Sweep

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
2019	C - 5.3L (L83) Silverado HD	• Brake Pedal Position Sensor Learn Command • CKP Variation Learn • Clutch Pedal Position Learn • Engine Oil Life Reset • Fuel Composition Reset • Fuel Trim Learn • Fuel Trim Reset • Fuel Trim Reset Command • HO2S Heater Learn • Idle Learn • Remote Vehicle Start Disable History Reset • A/C Compressor Clutch Relay Command • Compression Test • Cooling Fan Command • Cylinder Cutout • Depressurize Fuel System • Engine Controls Ignition Relay Command • Engine Oil Pressure Control Solenoid Valve • Engine Speed Command • Desired Throttle Position • EVAP Vent Solenoid Valve Command • EVAP Purge Solenoid Valve Command • Fuel Control Loop Status • Fuel Pressure Command • Fuel Pump Relay Command • Generator L-Terminal • HO2S Heater Command Bank 1 Sensor 1 • HO2S Heater Command Bank 1 Sensor 2 • HO2S Heater Command Bank 2 Sensor 1 • HO2S Heater Command Bank 2 Sensor 2 • Idle Ignition Timing • Ignition Timing Retard • Camshaft Position Actuator • Malfunction Indicator Lamp (MIL) • Reverse Inhibit Solenoid Actuator Command • Skip Shift Solenoid Actuator Command • Starter Relay • Throttle Sweep

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
2019	D - 5.3L (L84) Sierra	• Brake Pedal Position Sensor Learn Command • CKP Variation Learn • Clutch Pedal Position Learn • Engine Oil Life Reset • Fuel Composition Reset • Fuel Trim Learn • Fuel Trim Reset • Fuel Trim Reset Command • HO2S Heater Learn • Idle Learn • Remote Vehicle Start Disable History Reset • Throttle Body Idle Air Flow Compensation Reset • A/C Compressor Clutch Relay • A/C Compressor Clutch Relay Command • CMP Actuator • Compression Test • Cooling Fan Command • Cooling Fan Test • Depressurize Fuel System • Cylinder Cutout • Depressurize Fuel System • Engine Controls Ignition Relay Command • Engine Oil Pressure Control Solenoid Valve • Engine Speed Command • Evap Purge Solenoid Valve • Evap Purge/Seal • Desired Throttle Position • Throttle Sweep Test • EVAP Purge/Seal • EVAP Vent Solenoid Valve Command • Fuel Control Loop Status • EVAP Vent Solenoid Valve Command • EVAP Purge Solenoid Valve Command • Fuel Control Loop Status • Fuel Pressure Command • Fuel Pump Relay Command • Fuel Pump Enable • Fuel Pump Relay • Fuel Pump Trim Reset • GEN L-Terminal Control

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
		• Generator L-Terminal • HO2S Heater Command Bank 1 Sensor 1 • HO2S Heater Command Bank 1 Sensor 2 • HO2S Heater Command Bank 2 Sensor 1 • HO2S Heater Command Bank 2 Sensor 2 • Idle Ignition Timing • Ignition Timing Retard • Injector Balance • Camshaft Position Actuator • Malfunction Indicator Lamp (MIL) • Reverse Inhibit Solenoid Actuator Command • RPM Control • Skip Shift Solenoid Actuator Command • Spark Retard • Starter Relay • Throttle Position • Throttle Sweep

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
2019	D - 5.3L (L84) Silverado	• Brake Pedal Position Sensor Learn Command • CKP Variation Learn • Clutch Pedal Position Learn • Engine Oil Life Reset • Fuel Composition Reset • Fuel Trim Learn • Fuel Trim Reset • Fuel Trim Reset Command • HO2S Heater Learn • Idle Learn • Remote Vehicle Start Disable History Reset • Throttle Body Idle Air Flow Compensation Reset • A/C Compressor Clutch Relay • A/C Compressor Clutch Relay Command • CMP Actuator • Compression Test • Cooling Fan Command • Cooling Fan Test • Depressurize Fuel System • Cylinder Cutout • Depressurize Fuel System • Engine Controls Ignition Relay Command • Engine Oil Pressure Control Solenoid Valve • Engine Speed Command • Evap Purge Solenoid Valve • Evap Purge/Seal • Desired Throttle Position • Throttle Sweep Test • EVAP Purge/Seal • EVAP Vent Solenoid Valve Command • Fuel Control Loop Status • EVAP Purge Solenoid Valve Command • Fuel Control Loop Status • Fuel Pressure Command • Fuel Pump Relay Command • Fuel Pump Enable • Fuel Pump Relay • Fuel Pump Trim Reset • GEN L-Terminal Control • Generator L-Terminal

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
		• HO2S Heater Command Bank 1 Sensor 1 • HO2S Heater Command Bank 1 Sensor 2 • HO2S Heater Command Bank 2 Sensor 1 • HO2S Heater Command Bank 2 Sensor 2 • Idle Ignition Timing • Ignition Timing Retard • Injector Balance • Camshaft Position Actuator • Malfunction Indicator Lamp (MIL) • Reverse Inhibit Solenoid Actuator Command • RPM Control • Skip Shift Solenoid Actuator Command • Spark Retard • Starter Relay • Throttle Position • Throttle Sweep

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
2019	F - 5.3L (L82) Sierra	• Brake Pedal Position Sensor Learn Command • CKP Variation Learn • Clutch Pedal Position Learn • Engine Oil Life Reset • Fuel Composition Reset • Fuel Trim Learn • Fuel Trim Reset • Fuel Trim Reset Command • HO2S Heater Learn • Idle Learn • Remote Vehicle Start Disable History Reset • Throttle Body Idle Air Flow Compensation Reset • A/C Compressor Clutch Relay Command • CMP Actuator • Compression Test • Cooling Fan Command • Cylinder Cutout • Depressurize Fuel System • Engine Controls Ignition Relay Command • Engine Oil Pressure Control Solenoid Valve • Engine Speed Command • Desired Throttle Position • EVAP Purge/Seal • EVAP Vent Solenoid Valve Command • EVAP Purge Solenoid Valve Command • Fuel Control Loop Status • Fuel Pressure Command • Fuel Pump Relay Command • Fuel Pump Relay • GEN L-Terminal Control • Generator L-Terminal • HO2S Heater Command Bank 1 Sensor 1 • HO2S Heater Command Bank 1 Sensor 2 • HO2S Heater Command Bank 2 Sensor 1 • HO2S Heater Command Bank 2 Sensor 2 • Idle Ignition Timing • Ignition Timing Retard • Injector Balance • Camshaft Position Actuator • Malfunction Indicator Lamp (MIL)

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
		• Reverse Inhibit Solenoid Actuator Command • RPM Control • Skip Shift Solenoid Actuator Command • Spark Retard • Starter Relay • Throttle Position • Throttle Sweep

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
2019	F - 5.3L (L82) Silverado	• Brake Pedal Position Sensor Learn Command • CKP Variation Learn • Clutch Pedal Position Learn • Engine Oil Life Reset • Fuel Composition Reset • Fuel Trim Learn • Fuel Trim Reset • Fuel Trim Reset Command • HO2S Heater Learn • Idle Learn • Remote Vehicle Start Disable History Reset • Throttle Body Idle Air Flow Compensation Reset • A/C Compressor Clutch Relay Command • CMP Actuator • Compression Test • Cooling Fan Command • Cylinder Cutout • Depressurize Fuel System • Engine Controls Ignition Relay Command • Engine Oil Pressure Control Solenoid Valve • Engine Speed Command • Desired Throttle Position • EVAP Purge/Seal • EVAP Vent Solenoid Valve Command • EVAP Purge Solenoid Valve Command • Fuel Control Loop Status • Fuel Pressure Command • Fuel Pump Relay Command • Fuel Pump Relay • GEN L-Terminal Control • Generator L-Terminal • HO2S Heater Command Bank 1 Sensor 1 • HO2S Heater Command Bank 1 Sensor 2 • HO2S Heater Command Bank 2 Sensor 1 • HO2S Heater Command Bank 2 Sensor 2 • Idle Ignition Timing • Ignition Timing Retard • Injector Balance • Camshaft Position Actuator • Malfunction Indicator Lamp (MIL)

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
		• Reverse Inhibit Solenoid Actuator Command • RPM Control • Skip Shift Solenoid Actuator Command • Spark Retard • Starter Relay • Throttle Position • Throttle Sweep

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
2019	G - 6.0L (L96) Sierra HD	• Brake Pedal Position Sensor Learn Command • CKP Variation Learn • Clutch Pedal Position Learn • Engine Oil Life Reset • Fuel Composition Reset • Fuel Trim Learn • Fuel Trim Reset • HO2S Heater Learn • Idle Learn • Remote Vehicle Start Disable History Reset • Throttle Body Idle Air Flow Compensation Reset • A/C Compressor Clutch Relay Command • Charge Air Cooler Coolant Pump Relay Command • Cooling Fan Command • Cylinder Cutout • Engine Controls Ignition Relay Command • Engine Speed Command • Desired Throttle Position • Throttle Sweep Test • EVAP Purge/Seal • EVAP Vent Solenoid Valve Command • EVAP Purge Solenoid Valve Command • Fuel Control Loop Status • Fuel Pump Relay Command • Fuel Pump 2 Relay Command • Generator L-Terminal • HO2S Heater Command Bank 1 Sensor 1 • HO2S Heater Command Bank 1 Sensor 2 • HO2S Heater Command Bank 2 Sensor 1 • HO2S Heater Command Bank 2 Sensor 2 • Idle Ignition Timing • Ignition Timing Retard • Injector Balance • Camshaft Position Actuator • Intake Manifold Runner Control Valve • Malfunction Indicator Lamp (MIL) • Reverse Inhibit Solenoid Actuator Command • Skip Shift Solenoid Actuator Command • Starter Relay

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
2019	G - 6.0L (L96) Silverado HD	• Brake Pedal Position Sensor Learn Command • CKP Variation Learn • Clutch Pedal Position Learn • Engine Oil Life Reset • Fuel Composition Reset • Fuel Trim Learn • Fuel Trim Reset • HO2S Heater Learn • Idle Learn • Remote Vehicle Start Disable History Reset • Throttle Body Idle Air Flow Compensation Reset • A/C Compressor Clutch Relay Command • Charge Air Cooler Coolant Pump Relay Command • Cooling Fan Command • Cylinder Cutout • Engine Controls Ignition Relay Command • Engine Speed Command • Desired Throttle Position • Throttle Sweep Test • EVAP Purge/Seal • EVAP Vent Solenoid Valve Command • EVAP Purge Solenoid Valve Command • Fuel Control Loop Status • Fuel Pump Relay Command • Fuel Pump 2 Relay Command • Generator L-Terminal • HO2S Heater Command Bank 1 Sensor 1 • HO2S Heater Command Bank 1 Sensor 2 • HO2S Heater Command Bank 2 Sensor 1 • HO2S Heater Command Bank 2 Sensor 2 • Idle Ignition Timing • Ignition Timing Retard • Injector Balance • Camshaft Position Actuator • Intake Manifold Runner Control Valve • Malfunction Indicator Lamp (MIL) • Reverse Inhibit Solenoid Actuator Command • Skip Shift Solenoid Actuator Command • Starter Relay

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
2019	K - 2.7L (L3B) Sierra	• Ambient Air Temperature Calculation Reset • BARO Sensor Reset Command • Brake Pedal Position Sensor Learn Command • CKP Variation Learn • Clutch Pedal Position Learn • Engine Oil Life Reset • Fuel Composition Reset • Fuel Trim Learn • Fuel Trim Reset • Fuel Trim Reset Command • Idle Learn • Remote Vehicle Start Disable History Reset • Throttle Body Idle Air Flow Compensation Reset • A/C Compressor Clutch Relay Command • Cooling Fan Command • Cylinder Cutout • Depressurize Fuel System • Engine Controls Ignition Relay Command • Engine Oil Pressure Control Solenoid Valve • Engine Speed Command • Desired Throttle Position • EVAP Purge/Seal • EVAP Vent Solenoid Valve Command • EVAP Purge Solenoid Valve Command • Fuel Control Loop Status • Fuel Pressure Command • Fuel Pump Relay Command • Generator L-Terminal • High Side Driver 1 Command • High Side Driver 2 Command • Idle Ignition Timing • Ignition Timing Retard • Malfunction Indicator Lamp (MIL) • Starter Relay • Cooling Fan Command

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
2019	K - 2.7L (L3B) Silverado	• Ambient Air Temperature Calculation Reset • BARO Sensor Reset Command • Brake Pedal Position Sensor Learn Command • CKP Variation Learn • Clutch Pedal Position Learn • Engine Oil Life Reset • Fuel Composition Reset • Fuel Trim Learn • Fuel Trim Reset • Fuel Trim Reset Command • Idle Learn • Remote Vehicle Start Disable History Reset • Throttle Body Idle Air Flow Compensation Reset • A/C Compressor Clutch Relay Command • Cooling Fan Command • Cylinder Cutout • Depressurize Fuel System • Engine Controls Ignition Relay Command • Engine Oil Pressure Control Solenoid Valve • Engine Speed Command • Desired Throttle Position • EVAP Purge/Seal • EVAP Vent Solenoid Valve Command • EVAP Purge Solenoid Valve Command • Fuel Control Loop Status • Fuel Pressure Command • Fuel Pump Relay Command • Generator L-Terminal • High Side Driver 1 Command • High Side Driver 2 Command • Idle Ignition Timing • Ignition Timing Retard • Malfunction Indicator Lamp (MIL) • Starter Relay • Cooling Fan Command

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
2019	L - 6.2L (L87) Sierra	• Brake Pedal Position Sensor Learn Command • CKP Variation Learn • Clutch Pedal Position Learn • Engine Oil Life Reset • Fuel Composition Reset • Fuel Trim Learn • Fuel Trim Reset • Fuel Trim Reset Command • HO2S Heater Learn • Idle Learn • Remote Vehicle Start Disable History Reset • Throttle Body Idle Air Flow Compensation Reset • A/C Compressor Clutch Relay Command • Compression Test • Cooling Fan Command • Cylinder Cutout • Depressurize Fuel System • Engine Controls Ignition Relay Command • Engine Oil Pressure Control Solenoid Valve • Engine Speed Command • Desired Throttle Position • EVAP Purge/Seal • EVAP Vent Solenoid Valve Command • EVAP Purge Solenoid Valve Command • Fuel Control Loop Status • Fuel Pressure Command • Fuel Pump Relay Command • Generator L-Terminal • HO2S Heater Command Bank 1 Sensor 1 • HO2S Heater Command Bank 1 Sensor 2 • HO2S Heater Command Bank 2 Sensor 1 • HO2S Heater Command Bank 2 Sensor 2 • Idle Ignition Timing • Ignition Timing Retard • Camshaft Position Actuator • Malfunction Indicator Lamp (MIL) • Reverse Inhibit Solenoid Actuator Command • Skip Shift Solenoid Actuator Command • Starter Relay • Throttle Sweep

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
2019	L - 6.2L (L87) Silverado	• Brake Pedal Position Sensor Learn Command • CKP Variation Learn • Clutch Pedal Position Learn • Engine Oil Life Reset • Fuel Composition Reset • Fuel Trim Learn • Fuel Trim Reset • Fuel Trim Reset Command • HO2S Heater Learn • Idle Learn • Remote Vehicle Start Disable History Reset • Throttle Body Idle Air Flow Compensation Reset • A/C Compressor Clutch Relay Command • Compression Test • Cooling Fan Command • Cylinder Cutout • Depressurize Fuel System • Engine Controls Ignition Relay Command • Engine Oil Pressure Control Solenoid Valve • Engine Speed Command • Desired Throttle Position • EVAP Purge/Seal • EVAP Vent Solenoid Valve Command • EVAP Purge Solenoid Valve Command • Fuel Control Loop Status • Fuel Pressure Command • Fuel Pump Relay Command • Generator L-Terminal • HO2S Heater Command Bank 1 Sensor 1 • HO2S Heater Command Bank 1 Sensor 2 • HO2S Heater Command Bank 2 Sensor 1 • HO2S Heater Command Bank 2 Sensor 2 • Idle Ignition Timing • Ignition Timing Retard • Camshaft Position Actuator • Malfunction Indicator Lamp (MIL) • Reverse Inhibit Solenoid Actuator Command • Skip Shift Solenoid Actuator Command • Starter Relay • Throttle Sweep

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
2019	M - 6.6L (L5D) CV	• All Cylinders Fuel Injector Correction Value Reset • Ambient Air Temperature Calculation Reset • BARO Sensor Reset Command • Brake Pedal Position Sensor Learn Command • Catalyst 1 Reset • CKP Variation Learn • Clutch Pedal Position Learn • Crankshaft Position Reluctor Ring Learned Values Reset • DPF Pressure Sensor Reset • DPF Reset • Engine Oil Life Reset • Exhaust Gas Temperature Sensor Reset • Fuel Composition Reset • Fuel Filter Life Reset • Fuel Injection Small Quantity Data Reset • Fuel Injector Correction Value Preset • Fuel Trim Learn • Fuel Trim Reset • HO2S Heater Learn • Idle Learn • NOx Catalyst Reductant Loading Reset • NOx Catalyst Reset • NOx Sensor 1 Reset • NOx Sensor 2 Reset • Reductant Fluid Tank Level Reset • Reductant System Data Reset • Remote Vehicle Start Disable History Reset • Turbocharger Learn • A/C Compressor Clutch Relay Command • Compression Test • Cooling Fan Command • Cooling Fan Solenoid Valve Command • Cylinder 1 Glow Plug Command • Cylinder 2 Glow Plug Command • Cylinder 3 Glow Plug Command • Cylinder 4 Glow Plug Command • Cylinder 5 Glow Plug Command • Cylinder 6 Glow Plug Command • Cylinder 7 Glow Plug Command • Cylinder 8 Glow Plug Command

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
		• Depressurize Fuel System • DPF Regeneration Enable • DPF Service Regeneration • EGR Command • EGR Cooler Bypass Motor • EGR Cooler Bypass Valve Command • EGR Valve Command • Engine Controls Ignition Relay Command • Engine Oil Pressure Control Solenoid Valve • Engine Speed Command • Desired Throttle Position • EVAP Purge/Seal • EVAP Test Command • Exhaust Aftertreatment Fuel Injector Cleaning Procedure • Exhaust Aftertreatment Fuel Injector Command • Exhaust Aftertreatment Fuel Injector Flow Test • EVAP Vent Solenoid Valve Command • EVAP Purge Solenoid Valve Command • Fuel Control Loop Status • Fuel Heater Relay Command • Fuel Pressure Command • Fuel Pressure Control - Regulator 1 • Fuel Pressure Control - Regulator 2 • Fuel Pump Relay Command • Fuel Pump 2 Relay Command • Fuel System High Pressure Test (Engine Runs) • Fuel Transfer Pump Relay Command • Generator L-Terminal • Glow Plug Self-Test Command • High Side Driver 1 Command • High Side Driver 2 Command • Idle Ignition Timing • Ignition Timing Retard • Malfunction Indicator Lamp (MIL) • Particulate Matter Sensor Regeneration • Reductant Heater 1 Command • Reductant Heater 2 Command • Reductant Injection Quantity Test • Reductant Injector Command • Reductant Pump Command

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
		• Reductant System Leak Test • Reductant System Malfunction Warning Service Bay Test • Starter Relay • Throttle Sweep • Turbocharger Vane Position • Turbocharger Vane Position Command

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
2019	P - 4.3L (LV1) Express	• Brake Pedal Position Sensor Learn Command • CKP Variation Learn • Clutch Pedal Position Learn • Engine Oil Life Reset • Fuel Composition Reset • Fuel Trim Learn • Fuel Trim Reset • Fuel Trim Reset Command • HO2S Heater Learn • Idle Learn • Remote Vehicle Start Disable History Reset • A/C Compressor Clutch Relay Command • Compression Test • Cooling Fan Command • Cylinder Cutout • Depressurize Fuel System • Engine Controls Ignition Relay Command • Engine Oil Pressure Control Solenoid Valve • Engine Speed Command • Desired Throttle Position • EVAP Purge/Seal • EVAP Vent Solenoid Valve Command • EVAP Purge Solenoid Valve Command • Fuel Control Loop Status • Fuel Pressure Command • Fuel Pump Relay Command • Generator L-Terminal • HO2S Heater Command Bank 1 Sensor 1 • HO2S Heater Command Bank 1 Sensor 2 • HO2S Heater Command Bank 2 Sensor 1 • HO2S Heater Command Bank 2 Sensor 2 • Idle Ignition Timing • Ignition Timing Retard • Camshaft Position Actuator • Malfunction Indicator Lamp (MIL) • Reverse Inhibit Solenoid Actuator Command • Skip Shift Solenoid Actuator Command • Starter Relay • Throttle Sweep

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
2019	P - 4.3L (LV1) Savana	• Brake Pedal Position Sensor Learn Command • CKP Variation Learn • Clutch Pedal Position Learn • Engine Oil Life Reset • Fuel Composition Reset • Fuel Trim Learn • Fuel Trim Reset • Fuel Trim Reset Command • HO2S Heater Learn • Idle Learn • Remote Vehicle Start Disable History Reset • A/C Compressor Clutch Relay Command • Compression Test • Cooling Fan Command • Cylinder Cutout • Depressurize Fuel System • Engine Controls Ignition Relay Command • Engine Oil Pressure Control Solenoid Valve • Engine Speed Command • Desired Throttle Position • EVAP Purge/Seal • EVAP Vent Solenoid Valve Command • EVAP Purge Solenoid Valve Command • Fuel Control Loop Status • Fuel Pressure Command • Fuel Pump Relay Command • Generator L-Terminal • HO2S Heater Command Bank 1 Sensor 1 • HO2S Heater Command Bank 1 Sensor 2 • HO2S Heater Command Bank 2 Sensor 1 • HO2S Heater Command Bank 2 Sensor 2 • Idle Ignition Timing • Ignition Timing Retard • Camshaft Position Actuator • Malfunction Indicator Lamp (MIL) • Reverse Inhibit Solenoid Actuator Command • Skip Shift Solenoid Actuator Command • Starter Relay • Throttle Sweep

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
2019	T - 3.0L (LM2) Sierra	• All Cylinders Fuel Injector Correction Value Reset • Ambient Air Temperature Calculation Reset • BARO Sensor Reset Command • Brake Pedal Position Sensor Learn Command • Catalyst 1 Reset • CKP Variation Learn • Clutch Pedal Position Learn • Crankshaft Position Reluctor Ring Learned Values Reset • DPF Pressure Sensor Reset • DPF Reset • Engine Oil Life Reset • Exhaust Gas Temperature Sensor Reset • Fuel Composition Reset • Fuel Filter Life Reset • Fuel Injection Small Quantity Data Reset • Fuel Injector Correction Value Preset • Fuel Trim Learn • Fuel Trim Reset • HO2S Heater Learn • Idle Learn • NOx Catalyst Reductant Loading Reset • NOx Catalyst Reset • NOx Sensor 1 Reset • NOx Sensor 2 Reset • Reductant Fluid Tank Level Reset • Reductant System Data Reset • Remote Vehicle Start Disable History Reset • Turbocharger Learn • A/C Compressor Clutch Relay Command • Add-On Heater Relay 2 and 3 Command • Compression Test • Cooling Fan Command • Cooling Fan Solenoid Valve Command • Cylinder 1 Glow Plug Command • Cylinder 2 Glow Plug Command • Cylinder 3 Glow Plug Command • Cylinder 4 Glow Plug Command • Cylinder 5 Glow Plug Command • Cylinder 6 Glow Plug Command • Cylinder Cutout

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
		• Depressurize Fuel System • DPF Regeneration Enable • DPF Service Regeneration • EGR Command • EGR Cooler Bypass Motor • EGR Cooler Bypass Valve Command • EGR Valve Command • Engine Controls Ignition Relay Command • Engine Oil Pressure Control Solenoid Valve • Engine Speed Command • Desired Throttle Position • EVAP Purge/Seal • EVAP Test Command • Exhaust Aftertreatment Fuel Injector Cleaning Procedure • Exhaust Aftertreatment Fuel Injector Command • Exhaust Aftertreatment Fuel Injector Flow Test • EVAP Vent Solenoid Valve Command • EVAP Purge Solenoid Valve Command • Fuel Control Loop Status • Fuel Heater Relay Command • Fuel Pressure Command • Fuel Pressure Control - Regulator 1 • Fuel Pressure Control - Regulator 2 • Fuel Pump Relay Command • Fuel Pump 2 Relay Command • Fuel System High Pressure Test (Engine Runs) • Fuel Transfer Pump Relay Command • Generator L-Terminal • Glow Plug Self-Test Command • High Side Driver 1 Command • High Side Driver 2 Command • Idle Ignition Timing • Ignition Timing Retard • Camshaft Position Actuator • Malfunction Indicator Lamp (MIL) • Particulate Matter Sensor Regeneration • Reductant Heater 1 Command • Reductant Heater 2 Command • Reductant Injection Quantity Test • Reductant Injector Command

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
		• Reductant Pump Command • Reductant System Leak Test • Reductant System Malfunction Warning Service Bay Test • Starter Relay • Throttle Sweep • Turbocharger Vane Position • Turbocharger Vane Position Command

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
2019	T - 3.0L (LM2) Silverado	• All Cylinders Fuel Injector Correction Value Reset • Ambient Air Temperature Calculation Reset • BARO Sensor Reset Command • Brake Pedal Position Sensor Learn Command • Catalyst 1 Reset • CKP Variation Learn • Clutch Pedal Position Learn • Crankshaft Position Reluctor Ring Learned Values Reset • DPF Pressure Sensor Reset • DPF Reset • Engine Oil Life Reset • Exhaust Gas Temperature Sensor Reset • Fuel Composition Reset • Fuel Filter Life Reset • Fuel Injection Small Quantity Data Reset • Fuel Injector Correction Value Preset • Fuel Trim Learn • Fuel Trim Reset • HO2S Heater Learn • Idle Learn • NOx Catalyst Reductant Loading Reset • NOx Catalyst Reset • NOx Sensor 1 Reset • NOx Sensor 2 Reset • Reductant Fluid Tank Level Reset • Reductant System Data Reset • Remote Vehicle Start Disable History Reset • Turbocharger Learn • A/C Compressor Clutch Relay Command • Add-On Heater Relay 2 and 3 Command • Compression Test • Cooling Fan Command • Cooling Fan Solenoid Valve Command • Cylinder 1 Glow Plug Command • Cylinder 2 Glow Plug Command • Cylinder 3 Glow Plug Command • Cylinder 4 Glow Plug Command • Cylinder 5 Glow Plug Command • Cylinder 6 Glow Plug Command • Cylinder Cutout

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
		• Depressurize Fuel System • DPF Regeneration Enable • DPF Service Regeneration • EGR Command • EGR Cooler Bypass Motor • EGR Cooler Bypass Valve Command • EGR Valve Command • Engine Controls Ignition Relay Command • Engine Oil Pressure Control Solenoid Valve • Engine Speed Command • Desired Throttle Position • EVAP Purge/Seal • EVAP Test Command • Exhaust Aftertreatment Fuel Injector Cleaning Procedure • Exhaust Aftertreatment Fuel Injector Command • Exhaust Aftertreatment Fuel Injector Flow Test • EVAP Vent Solenoid Valve Command • EVAP Purge Solenoid Valve Command • Fuel Control Loop Status • Fuel Heater Relay Command • Fuel Pressure Command • Fuel Pressure Control - Regulator 1 • Fuel Pressure Control - Regulator 2 • Fuel Pump Relay Command • Fuel Pump 2 Relay Command • Fuel System High Pressure Test (Engine Runs) • Fuel Transfer Pump Relay Command • Generator L-Terminal • Glow Plug Self-Test Command • High Side Driver 1 Command • High Side Driver 2 Command • Idle Ignition Timing • Ignition Timing Retard • Camshaft Position Actuator • Malfunction Indicator Lamp (MIL) • Particulate Matter Sensor Regeneration • Reductant Heater 1 Command • Reductant Heater 2 Command • Reductant Injection Quantity Test • Reductant Injector Command

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
		• Reductant Pump Command • Reductant System Leak Test • Reductant System Malfunction Warning Service Bay Test • Starter Relay • Throttle Sweep • Turbocharger Vane Position • Turbocharger Vane Position Command

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
2019	Y - 6.6L (L5P) Sierra HD	• All Cylinders Fuel Injector Correction Value Reset • Ambient Air Temperature Calculation Reset • BARO Sensor Reset Command • Brake Pedal Position Sensor Learn Command • Catalyst 1 Reset • CKP Variation Learn • Clutch Pedal Position Learn • Crankshaft Position Reluctor Ring Learned Values Reset • DPF Pressure Sensor Reset • DPF Reset • Engine Oil Life Reset • Exhaust Gas Temperature Sensor Reset • Fuel Composition Reset • Fuel Filter Life Reset • Fuel Injection Small Quantity Data Reset • Fuel Injector Correction Value Preset • Fuel Trim Learn • Fuel Trim Reset • HO2S Heater Learn • Idle Learn • NOx Catalyst Reductant Loading Reset • NOx Catalyst Reset • NOx Sensor 1 Reset • NOx Sensor 2 Reset • Reductant Fluid Tank Level Reset • Reductant System Data Reset • Remote Vehicle Start Disable History Reset • Turbocharger Learn • A/C Compressor Clutch Relay Command • Compression Test • Cooling Fan Command • Cooling Fan Solenoid Valve Command • Cylinder 1 Glow Plug Command • Cylinder 2 Glow Plug Command • Cylinder 3 Glow Plug Command • Cylinder 4 Glow Plug Command • Cylinder 5 Glow Plug Command • Cylinder 6 Glow Plug Command • Cylinder 7 Glow Plug Command • Cylinder 8 Glow Plug Command

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
		• Cylinder Cutout • Depressurize Fuel System • DPF Regeneration Enable • DPF Service Regeneration • EGR Command • EGR Cooler Bypass Motor • EGR Cooler Bypass Valve Command • EGR Valve Command • Engine Controls Ignition Relay Command • Engine Oil Pressure Control Solenoid Valve • Engine Speed Command • Desired Throttle Position • EVAP Purge/Seal • EVAP Test Command • Exhaust Aftertreatment Fuel Injector Cleaning Procedure • Exhaust Aftertreatment Fuel Injector Command • Exhaust Aftertreatment Fuel Injector Flow Test • EVAP Vent Solenoid Valve Command • EVAP Purge Solenoid Valve Command • Fuel Control Loop Status • Fuel Heater Relay Command • Fuel Pressure Command • Fuel Pressure Control - Regulator 1 • Fuel Pressure Control - Regulator 2 • Fuel Pump Relay Command • Fuel Pump 2 Relay Command • Fuel System High Pressure Test (Engine Runs) • Fuel Transfer Pump Relay Command • Generator L-Terminal • Glow Plug Self-Test Command • High Side Driver 1 Command • High Side Driver 2 Command • Idle Ignition Timing • Ignition Timing Retard • Camshaft Position Actuator • Malfunction Indicator Lamp (MIL) • Particulate Matter Sensor Regeneration • Reductant Heater 1 Command • Reductant Heater 2 Command • Reductant Injection Quantity Test

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
		• Reductant Injector Command • Reductant Pump Command • Reductant System Leak Test • Reductant System Malfunction Warning Service Bay Test • Starter Relay • Throttle Sweep • Turbocharger Vane Position • Turbocharger Vane Position Command

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
2019	Y - 6.6L (L5P) Silverado HD	• All Cylinders Fuel Injector Correction Value Reset • Ambient Air Temperature Calculation Reset • BARO Sensor Reset Command • Brake Pedal Position Sensor Learn Command • Catalyst 1 Reset • CKP Variation Learn • Clutch Pedal Position Learn • Crankshaft Position Reluctor Ring Learned Values Reset • DPF Pressure Sensor Reset • DPF Reset • Engine Oil Life Reset • Exhaust Gas Temperature Sensor Reset • Fuel Composition Reset • Fuel Filter Life Reset • Fuel Injection Small Quantity Data Reset • Fuel Injector Correction Value Preset • Fuel Trim Learn • Fuel Trim Reset • HO2S Heater Learn • Idle Learn • NOx Catalyst Reductant Loading Reset • NOx Catalyst Reset • NOx Sensor 1 Reset • NOx Sensor 2 Reset • Reductant Fluid Tank Level Reset • Reductant System Data Reset • Remote Vehicle Start Disable History Reset • Turbocharger Learn • A/C Compressor Clutch Relay Command • Compression Test • Cooling Fan Command • Cooling Fan Solenoid Valve Command • Cylinder 1 Glow Plug Command • Cylinder 2 Glow Plug Command • Cylinder 3 Glow Plug Command • Cylinder 4 Glow Plug Command • Cylinder 5 Glow Plug Command • Cylinder 6 Glow Plug Command • Cylinder 7 Glow Plug Command • Cylinder 8 Glow Plug Command

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
		• Cylinder Cutout • Depressurize Fuel System • DPF Regeneration Enable • DPF Service Regeneration • EGR Command • EGR Cooler Bypass Motor • EGR Cooler Bypass Valve Command • EGR Valve Command • Engine Controls Ignition Relay Command • Engine Oil Pressure Control Solenoid Valve • Engine Speed Command • Desired Throttle Position • EVAP Purge/Seal • EVAP Test Command • Exhaust Aftertreatment Fuel Injector Cleaning Procedure • Exhaust Aftertreatment Fuel Injector Command • Exhaust Aftertreatment Fuel Injector Flow Test • EVAP Vent Solenoid Valve Command • EVAP Purge Solenoid Valve Command • Fuel Control Loop Status • Fuel Heater Relay Command • Fuel Pressure Command • Fuel Pressure Control - Regulator 1 • Fuel Pressure Control - Regulator 2 • Fuel Pump Relay Command • Fuel Pump 2 Relay Command • Fuel System High Pressure Test (Engine Runs) • Fuel Transfer Pump Relay Command • Generator L-Terminal • Glow Plug Self-Test Command • High Side Driver 1 Command • High Side Driver 2 Command • Idle Ignition Timing • Ignition Timing Retard • Camshaft Position Actuator • Malfunction Indicator Lamp (MIL) • Particulate Matter Sensor Regeneration • Reductant Heater 1 Command • Reductant Heater 2 Command • Reductant Injection Quantity Test

GM Vehicles: Engine Tests		
Year	VIN Char	Tests
		• Reductant Injector Command • Reductant Pump Command • Reductant System Leak Test • Reductant System Malfunction Warning Service Bay Test • Starter Relay • Throttle Sweep • Turbocharger Vane Position • Turbocharger Vane Position Command

Supported Tests

GM Vehicles: Transmission Tests

GM Vehicles: Transmission Tests			
Year	VIN Char	Type	Tests
2000 - 2007	E - 8.1L (L18)	4L80E	• 3-2 Downshift Solenoid • PC Solenoid • Gear Enable • TCC Enable • TCC Control Solenoid • TCC Control Solenoid Duty Cycle
2000 - 2007	G - 8.1L (L18)	4L80E	• 3-2 Downshift Solenoid • PC Solenoid • Gear Enable • TCC Enable • TCC Control Solenoid • TCC Control Solenoid Duty Cycle
2000	R - 5.7L (L31)	4L80E	• 3-2 Downshift Solenoid • TCC Enable Solenoid • TCC Control Solenoid • PC Solenoid • Initiate Case Algorithm Learn Crank • Gear Command

GM Vehicles: Transmission Tests			
Year	VIN Char	Type	Tests
2000	W - 4.3L (L35)	4L80E	• 3-2 Downshift Solenoid • TCC Enable Solenoid • TCC Control Solenoid • PC Solenoid • Initiate Case Algorithm Learn Crank • Gear Command
2000	X - 4.3L (LU3)	4L80E	• 3-2 Downshift Solenoid • TCC Enable Solenoid • TCC Control Solenoid • PC Solenoid • Initiate Case Algorithm Learn Crank • Gear Command
2000	W - 4.3L (L35)	4L60E	• 3-2 Downshift Solenoid • TCC Enable Solenoid • TCC Control Solenoid • PC Solenoid • Initiate Case Algorithm Learn Crank • Gear Command

GM Vehicles: Transmission Tests			
Year	VIN Char	Type	Tests
2000	X - 4.3L (LU3)	4L60E	• 3-2 Downshift Solenoid • TCC Enable Solenoid • TCC Control Solenoid • PC Solenoid • Initiate Case Algorithm Learn Crank • Gear Command
2000	E - 8.1L (L18)	Allison 2400	• Trans Fault Lamp Enable • TCC Control Enable • Pressure Control Solenoid A • Pressure Control Solenoid B • Shift Solenoid C • Shift Solenoid D • Shift Solenoid E • 1-2 Clear Adapts to Fast + Base • 2-1 Clear Adapts to Fast + Base • 2-3 Clear Adapts to Fast + Base • 3-2 Clear Adapts to Fast + Base • 3-4 Clear Adapts to Fast + Base • 4-3 Clear Adapts to Fast + Base • 4-5 Clear Adapts to Fast + Base • 5-4 Clear Adapts to Fast + Base • Clear Garage Shift Adapts to Fast + Base • Clear All Adapts to Fast

GM Vehicles: Transmission Tests			
Year	VIN Char	Type	Tests
2000	G - 8.1L (L18)	Allison 2400	• Trans Fault Lamp Enable • TCC Control Enable • Pressure Control Solenoid A • Pressure Control Solenoid B • Shift Solenoid C • Shift Solenoid D • Shift Solenoid E • 1-2 Clear Adapts to Fast + Base • 2-1 Clear Adapts to Fast + Base • 2-3 Clear Adapts to Fast + Base • 3-2 Clear Adapts to Fast + Base • 3-4 Clear Adapts to Fast + Base • 4-3 Clear Adapts to Fast + Base • 4-5 Clear Adapts to Fast + Base • 5-4 Clear Adapts to Fast + Base • Clear Garage Shift Adapts to Fast + Base • Clear All Adapts to Fast

GM Vehicles: Transmission Tests			
Year	VIN Char	Type	Tests
2001 - 2005	E - 8.1L (L18)	Allison 1K/2K/2400	• Trans Fault Lamp Enable • TCC Control Enable • Pressure Control Solenoid A • Pressure Control Solenoid B • Shift Solenoid C • Shift Solenoid D • Shift Solenoid E • 1-2 Clear Adapts to Fast + Base • 2-1 Clear Adapts to Fast + Base • 2-3 Clear Adapts to Fast + Base • 3-2 Clear Adapts to Fast + Base • 3-4 Clear Adapts to Fast + Base • 4-3 Clear Adapts to Fast + Base • 4-5 Clear Adapts to Fast + Base • 5-4 Clear Adapts to Fast + Base • Clear Garage Shift Adapts to Fast + Base • Clear All Adapts to Fast

GM Vehicles: Transmission Tests			
Year	VIN Char	Type	Tests
2001 - 2005	G - 8.1L (L18)	Allison 1K/2K/2400	• Trans Fault Lamp Enable • TCC Control Enable • Pressure Control Solenoid A • Pressure Control Solenoid B • Shift Solenoid C • Shift Solenoid D • Shift Solenoid E • 1-2 Clear Adapts to Fast + Base • 2-1 Clear Adapts to Fast + Base • 2-3 Clear Adapts to Fast + Base • 3-2 Clear Adapts to Fast + Base • 3-4 Clear Adapts to Fast + Base • 4-3 Clear Adapts to Fast + Base • 4-5 Clear Adapts to Fast + Base • 5-4 Clear Adapts to Fast + Base • Clear Garage Shift Adapts to Fast + Base • Clear All Adapts to Fast
2002	R - 5.7L (L31)	4L80E	• 1-2 Shift Solenoid • 2-3 Shift Solenoid • 3-2 Downshift Solenoid • PC Solenoid • TCC Enable
2002	W - 4.3L (L35)	4L80E	• 1-2 Shift Solenoid • 2-3 Shift Solenoid • 3-2 Downshift Solenoid • PC Solenoid • TCC Enable

GM Vehicles: Transmission Tests			
Year	VIN Char	Type	Tests
2002	X - 4.3L (LU3)	4L80E	• 1-2 Shift Solenoid • 2-3 Shift Solenoid • 3-2 Downshift Solenoid • PC Solenoid • TCC Enable
2002 - 2004	1 - 6.6L (LB7)	Allison 1K/2K/2400	• Trans Fault Lamp Enable • TCC Control Enable • Pressure Control Solenoid A • Pressure Control Solenoid B • Shift Solenoid C • Shift Solenoid D • Shift Solenoid E • 1-2 Clear Adapts to Fast + Base • 2-1 Clear Adapts to Fast + Base • 2-3 Clear Adapts to Fast + Base • 3-2 Clear Adapts to Fast + Base • 3-4 Clear Adapts to Fast + Base • 4-3 Clear Adapts to Fast + Base • 4-5 Clear Adapts to Fast + Base • 5-4 Clear Adapts to Fast + Base • Clear Garage Shift Adapts to Fast + Base • Clear All Adapts to Fast
2003	N - 6.0L (LQ9)	4L80E	• 1-2 Shift Solenoid • 2-3 Shift Solenoid • 3-2 Downshift Solenoid • PC Solenoid • TCC Control Solenoid

GM Vehicles: Transmission Tests			
Year	VIN Char	Type	Tests
2003	U - 6.0L (LQ4)	4L80E	• 1-2 Shift Solenoid • 2-3 Shift Solenoid • 3-2 Downshift Solenoid • PC Solenoid • TCC Control Solenoid
2003	V - 4.8L (LR4)	4L80E	• 1-2 Shift Solenoid • 2-3 Shift Solenoid • 3-2 Downshift Solenoid • PC Solenoid • TCC Enable
2004	N - 6.0L (LQ9)	4L60E	• 3-2 Downshift Solenoid • PC Solenoid • Gear Enable • TCC Control Solenoid • TCC Enable Solenoid
2004	U - 6.0L (LQ4)	4L60E	• 3-2 Downshift Solenoid • PC Solenoid • Gear Enable • TCC Control Solenoid • TCC Enable Solenoid
2004	V - 4.8L (LR4)	4L60E	• 3-2 Downshift Solenoid • PC Solenoid • Gear Enable • TCC Control Solenoid • TCC Enable Solenoid
2004	U - 6.0L (LQ4)	4L80E	• 3-2 Downshift Solenoid • PC Solenoid • Gear Enable • TCC Control Solenoid • TCC Enable Solenoid

GM Vehicles: Transmission Tests			
Year	VIN Char	Type	Tests
2004	V - 4.8L (LR4)	4L80E	• 3-2 Downshift Solenoid • PC Solenoid • Gear Enable • TCC Control Solenoid • TCC Enable Solenoid
2004 - 2005	2 - 6.6L (LLY)	Allison 1K/2K/2400	• Trans Fault Lamp Enable • TCC Control Enable • Pressure Control Solenoid A • Pressure Control Solenoid B • Shift Solenoid C • Shift Solenoid D • Shift Solenoid E • 1-2 Clear Adapts to Fast + Base • 2-1 Clear Adapts to Fast + Base • 2-3 Clear Adapts to Fast + Base • 3-2 Clear Adapts to Fast + Base • 3-4 Clear Adapts to Fast + Base • 4-3 Clear Adapts to Fast + Base • 4-5 Clear Adapts to Fast + Base • 5-4 Clear Adapts to Fast + Base • Clear Garage Shift Adapts to Fast + Base • Clear All Adapts to Fast

GM Vehicles: Transmission Tests			
Year	VIN Char	Type	Tests
2004 - 2005	3 - 7.8L (LG4)	Allison 1K/2K/2400	• Trans Fault Lamp Enable • TCC Control Enable • Pressure Control Solenoid A • Pressure Control Solenoid B • Shift Solenoid C • Shift Solenoid D • Shift Solenoid E • 1-2 Clear Adapts to Fast + Base • 2-1 Clear Adapts to Fast + Base • 2-3 Clear Adapts to Fast + Base • 3-2 Clear Adapts to Fast + Base • 3-4 Clear Adapts to Fast + Base • 4-3 Clear Adapts to Fast + Base • 4-5 Clear Adapts to Fast + Base • 5-4 Clear Adapts to Fast + Base • Clear Garage Shift Adapts to Fast + Base • Clear All Adapts to Fast
2005	U - 6.0L (LQ4)	4L80E	• 3-2 Downshift Solenoid • PC Solenoid • Gear Enable • TCC Control Solenoid
2005	V - 4.8L (LR4)	4L80E	• 3-2 Downshift Solenoid • PC Solenoid • Gear Enable • TCC Control Solenoid
2006 - 2007	2 - 6.6L (LLY)	4L80E	• Commanded Gear
2006 - 2007	3 - 7.8L (LG4)	4L80E	• Commanded Gear

GM Vehicles: Transmission Tests			
Year	VIN Char	Type	Tests
2006	D - 6.6L (LBZ)	4L80E	• Commanded Gear
2006 - 2007	F - 6.5L (L65)	4L80E	• Commanded Gear
2006 - 2007	U - 6.0L (LQ4)	4L80E	• 3-2 Downshift Solenoid • PC Solenoid • Gear Enable • TCC Enable • TCC Control Solenoid • TCC Control Solenoid Duty Cycle
2006 - 2007	V - 4.8L (LR4)	4L80E	• 3-2 Downshift Solenoid • PC Solenoid • Gear Enable • TCC Enable • TCC Control Solenoid • TCC Control Solenoid Duty Cycle

GM Vehicles: Transmission Tests			
Year	VIN Char	Type	Tests
2006 - 2007	2 - 6.6L (LLY)	Allison 1K/2K/2400	• 1-2 Clear Adapts to Fast + Base • 2-1 Clear Adapts to Fast + Base • 2-3 Clear Adapts to Fast + Base • 3-2 Clear Adapts to Fast + Base • 3-4 Clear Adapts to Fast + Base • 4-3 Clear Adapts to Fast + Base • 4-5 Clear Adapts to Fast + Base • 5-4 Clear Adapts to Fast + Base • 5-6 Clear Adapts to Fast + Base • 6-5 Clear Adapts to Fast + Base • Check Transmission Lamp • Clear All Garage Shift Adapts to Fast + Base • Clear All Shift Adapts to Fast • Commanded Gear • Line / Modulated Main PC Solenoid • PC Solenoid 1 Control • PC Solenoid 2 Control • Preset All Shift Adapts to Fast • Shift Solenoid 1 • Shift Solenoid 2 • Shift Solenoid 3 • Torque Converter Clutch Control

GM Vehicles: Transmission Tests			
Year	VIN Char	Type	Tests
2006	3 - 7.8L (LG4, Early Model)	Allison 1K/2K/2400	• Trans Fault Lamp Enable • TCC Control Enable • Pressure Control Solenoid A • Pressure Control Solenoid B • Shift Solenoid C • Shift Solenoid D • Shift Solenoid E • 1-2 Clear Adapts to Fast + Base • 2-1 Clear Adapts to Fast + Base • 2-3 Clear Adapts to Fast + Base • 3-2 Clear Adapts to Fast + Base • 3-4 Clear Adapts to Fast + Base • 4-3 Clear Adapts to Fast + Base • 4-5 Clear Adapts to Fast + Base • 5-4 Clear Adapts to Fast + Base • Clear Garage Shift Adapts to Fast + Base • Clear All Adapts to Fast

GM Vehicles: Transmission Tests			
Year	VIN Char	Type	Tests
2006	3 - 7.8L (LG4, Late Model)	Allison 1K/2K/2400	• 1-2 Clear Adapts to Fast + Base • 2-1 Clear Adapts to Fast + Base • 2-3 Clear Adapts to Fast + Base • 3-2 Clear Adapts to Fast + Base • 3-4 Clear Adapts to Fast + Base • 4-3 Clear Adapts to Fast + Base • 4-5 Clear Adapts to Fast + Base • 5-4 Clear Adapts to Fast + Base • 5-6 Clear Adapts to Fast + Base • 6-5 Clear Adapts to Fast + Base • Check Transmission Lamp • Clear All Garage Shift Adapts to Fast + Base • Clear All Shift Adapts to Fast • Commanded Gear • Line / Modulated Main PC Solenoid • PC Solenoid 1 Control • PC Solenoid 2 Control • Preset All Shift Adapts to Fast • Shift Solenoid 1 • Shift Solenoid 2 • Shift Solenoid 3 • Torque Converter Clutch Control

GM Vehicles: Transmission Tests			
Year	VIN Char	Type	Tests
2006	D - 6.6L (LBZ)	Allison 1K/2K/2400	• 1-2 Clear Adapts to Fast + Base • 2-1 Clear Adapts to Fast + Base • 2-3 Clear Adapts to Fast + Base • 3-2 Clear Adapts to Fast + Base • 3-4 Clear Adapts to Fast + Base • 4-3 Clear Adapts to Fast + Base • 4-5 Clear Adapts to Fast + Base • 5-4 Clear Adapts to Fast + Base • 5-6 Clear Adapts to Fast + Base • 6-5 Clear Adapts to Fast + Base • Check Transmission Lamp • Clear All Garage Shift Adapts to Fast + Base • Clear All Shift Adapts to Fast • Commanded Gear • Line / Modulated Main PC Solenoid • PC Solenoid 1 Control • PC Solenoid 2 Control • Preset All Shift Adapts to Fast • Shift Solenoid 1 • Shift Solenoid 2 • Shift Solenoid 3 • Torque Converter Clutch Control

GM Vehicles: Transmission Tests			
Year	VIN Char	Type	Tests
2006 - 2009	G - 8.1L (L18)	Allison 1K/2K/2400	• 1-2 Clear Adapts to Fast + Base • 2-1 Clear Adapts to Fast + Base • 2-3 Clear Adapts to Fast + Base • 3-2 Clear Adapts to Fast + Base • 3-4 Clear Adapts to Fast + Base • 4-3 Clear Adapts to Fast + Base • 4-5 Clear Adapts to Fast + Base • 5-4 Clear Adapts to Fast + Base • 5-6 Clear Adapts to Fast + Base • 6-5 Clear Adapts to Fast + Base • Check Transmission Lamp • Clear All Garage Shift Adapts to Fast + Base • Clear All Shift Adapts to Fast • Commanded Gear • Line / Modulated Main PC Solenoid • PC Solenoid 1 Control • PC Solenoid 2 Control • Preset All Shift Adapts to Fast • Shift Solenoid 1 • Shift Solenoid 2 • Shift Solenoid 3 • Torque Converter Clutch Control
2007 - 2009	6 - 6.6L (LMM)	4L80E	• Commanded Gear
2007 - 2009	9 - 6.6L (LMM)	4L80E	• Commanded Gear

GM Vehicles: Transmission Tests			
Year	VIN Char	Type	Tests
2007	3 - 7.8L (LG4)	Allison 1K/2K/2400	• 1-2 Clear Adapts to Fast + Base • 2-1 Clear Adapts to Fast + Base • 2-3 Clear Adapts to Fast + Base • 3-2 Clear Adapts to Fast + Base • 3-4 Clear Adapts to Fast + Base • 4-3 Clear Adapts to Fast + Base • 4-5 Clear Adapts to Fast + Base • 5-4 Clear Adapts to Fast + Base • 5-6 Clear Adapts to Fast + Base • 6-5 Clear Adapts to Fast + Base • Check Transmission Lamp • Clear All Garage Shift Adapts to Fast + Base • Clear All Shift Adapts to Fast • Commanded Gear • Line / Modulated Main PC Solenoid • PC Solenoid 1 Control • PC Solenoid 2 Control • Preset All Shift Adapts to Fast • Shift Solenoid 1 • Shift Solenoid 2 • Shift Solenoid 3 • Torque Converter Clutch Control

GM Vehicles: Transmission Tests			
Year	VIN Char	Type	Tests
2007 - 2010	6 - 6.6L (LMM)	Allison 1K/2K/2400	• 1-2 Clear Adapts to Fast + Base • 2-1 Clear Adapts to Fast + Base • 2-3 Clear Adapts to Fast + Base • 3-2 Clear Adapts to Fast + Base • 3-4 Clear Adapts to Fast + Base • 4-3 Clear Adapts to Fast + Base • 4-5 Clear Adapts to Fast + Base • 5-4 Clear Adapts to Fast + Base • 5-6 Clear Adapts to Fast + Base • 6-5 Clear Adapts to Fast + Base • Check Transmission Lamp • Clear All Garage Shift Adapts to Fast + Base • Clear All Shift Adapts to Fast • Commanded Gear • Line / Modulated Main PC Solenoid • PC Solenoid 1 Control • PC Solenoid 2 Control • Preset All Shift Adapts to Fast • Shift Solenoid 1 • Shift Solenoid 2 • Shift Solenoid 3 • Torque Converter Clutch Control

GM Vehicles: Transmission Tests			
Year	VIN Char	Type	Tests
2007 - 2009	9 - 6.6L (LMM)	Allison 1K/2K/2400	• 1-2 Clear Adapts to Fast + Base • 2-1 Clear Adapts to Fast + Base • 2-3 Clear Adapts to Fast + Base • 3-2 Clear Adapts to Fast + Base • 3-4 Clear Adapts to Fast + Base • 4-3 Clear Adapts to Fast + Base • 4-5 Clear Adapts to Fast + Base • 5-4 Clear Adapts to Fast + Base • 5-6 Clear Adapts to Fast + Base • 6-5 Clear Adapts to Fast + Base • Check Transmission Lamp • Clear All Garage Shift Adapts to Fast + Base • Clear All Shift Adapts to Fast • Commanded Gear • Line / Modulated Main PC Solenoid • PC Solenoid 1 Control • PC Solenoid 2 Control • Preset All Shift Adapts to Fast • Shift Solenoid 1 • Shift Solenoid 2 • Shift Solenoid 3 • Torque Converter Clutch Control
2008	5 - 5.3L (LMF)	4L80E	• Commanded Gear
2008 - 2009	B - 7.8L (LF8)	4L80E	• Commanded Gear
2008	C - 4.8L (LY2)	4L80E	• Commanded Gear
2008 - 2009	G - 8.1L (L18)	4L80E	• Trans Fault Lamp Enable

GM Vehicles: Transmission Tests			
Year	VIN Char	Type	Tests
2008	K - 6.0L (LY6)	4L80E	• Commanded Gear
2008	X - 4.3L (LU3)	4L80E	• Commanded Gear
2008 - 2009	B - 7.8L (LF8)	Allison 1K/2K/2400	• 1-2 Clear Adapts to Fast + Base • 2-1 Clear Adapts to Fast + Base • 2-3 Clear Adapts to Fast + Base • 3-2 Clear Adapts to Fast + Base • 3-4 Clear Adapts to Fast + Base • 4-3 Clear Adapts to Fast + Base • 4-5 Clear Adapts to Fast + Base • 5-4 Clear Adapts to Fast + Base • 5-6 Clear Adapts to Fast + Base • 6-5 Clear Adapts to Fast + Base • Check Transmission Lamp • Clear All Garage Shift Adapts to Fast + Base • Clear All Shift Adapts to Fast • Commanded Gear • Line / Modulated Main PC Solenoid • PC Solenoid 1 Control • PC Solenoid 2 Control • Preset All Shift Adapts to Fast • Shift Solenoid 1 • Shift Solenoid 2 • Shift Solenoid 3 • Torque Converter Clutch Control
2010	6 - 6.6L (LMM)	6L80E	• Commanded Gear • PC Solenoid 2 Control

GM Vehicles: Transmission Tests			
Year	VIN Char	Type	Tests
2011 - 2012	4L60E		• Commanded Gear • High Side Driver Control • Line PC Solenoid • Line PC Solenoid • PC Solenoid 2 Pressure Control • PC Solenoid 3 Pressure Control • PC Solenoid 4 Pressure Control • PC Solenoid 5 Pressure Control • Shift Solenoid 1 • Shift Solenoid 2 • Transmission Oil Life Reset
2011 - 2012	6L80E		• Commanded Gear • High Side Driver Control • Line PC Solenoid • Line PC Solenoid • PC Solenoid 2 Pressure Control • PC Solenoid 3 Pressure Control • PC Solenoid 4 Pressure Control • PC Solenoid 5 Pressure Control • Shift Solenoid 1 • Shift Solenoid 2 • Transmission Oil Life Reset

GM Vehicles: Transmission Tests			
Year	VIN Char	Type	Tests
2011 - 2012	6L90E		• Commanded Gear • High Side Driver Control • Line PC Solenoid • Line PC Solenoid • PC Solenoid 2 Pressure Control • PC Solenoid 3 Pressure Control • PC Solenoid 4 Pressure Control • PC Solenoid 5 Pressure Control • Shift Solenoid 1 • Shift Solenoid 2 • Transmission Oil Life Reset
2011 - 2012	Allison 1K/2K/2400		• Commanded Gear • Modulated Main Pressure Control Solenoid • PC Solenoid 1 Control • PC Solenoid 2 Control • Reset Transmission Adapts • Shift Solenoid 1 • Shift Solenoid 2 • Shift Solenoid 3 • Torque Converter Clutch Control
2014 - 2016	Allison 1K/2K/2400		• Commanded Gear • Modulated Main Pressure Control Solenoid • PC Solenoid 1 Control • PC Solenoid 2 Control • Reset Transmission Adapts • Shift Solenoid 1 • Shift Solenoid 2 • Shift Solenoid 3 • Torque Converter Clutch Control

GM Vehicles: Transmission Tests			
Year	VIN Char	Type	Tests
2013	Any	4L60E	• Commanded Gear • High Side Driver Control • Line PC Solenoid • Line PC Solenoid • PC Solenoid 2 Pressure Control • PC Solenoid 3 Pressure Control • PC Solenoid 4 Pressure Control • PC Solenoid 5 Pressure Control • Shift Solenoid 1 • Shift Solenoid 2 • Transmission Oil Life Reset
2013	Any	6L80E	• Commanded Gear • High Side Driver Control • Line PC Solenoid • Line PC Solenoid • PC Solenoid 2 Pressure Control • PC Solenoid 3 Pressure Control • PC Solenoid 4 Pressure Control • PC Solenoid 5 Pressure Control • Shift Solenoid 1 • Shift Solenoid 2 • Transmission Oil Life Reset

GM Vehicles: Transmission Tests			
Year	VIN Char	Type	Tests
2013	Any	6L90E	• Commanded Gear • High Side Driver Control • Line PC Solenoid • Line PC Solenoid • PC Solenoid 2 Pressure Control • PC Solenoid 3 Pressure Control • PC Solenoid 4 Pressure Control • PC Solenoid 5 Pressure Control • Shift Solenoid 1 • Shift Solenoid 2 • Transmission Oil Life Reset
2013	Any	Allison 1K/2K/2400	• Commanded Gear • Modulated Main Pressure Control Solenoid • PC Solenoid 1 Control • PC Solenoid 2 Control • Reset Transmission Adapts • Shift Solenoid 1 • Shift Solenoid 2 • Shift Solenoid 3 • Torque Converter Clutch Control
2014 - 2016	6L80/6L90		• Commanded Gear • High Side Driver Control • Line PC Solenoid • PC Solenoid 2 Pressure Control • PC Solenoid 3 Pressure Control • PC Solenoid 4 Pressure Control • PC Solenoid 5 Pressure Control • Shift Solenoid 1 • Shift Solenoid 2 • Transmission Oil Life Reset

GM Vehicles: Transmission Tests			
Year	VIN Char	Type	Tests
2015 - 2016	8L90		Transmission Oil Life Reset

Supported Tests

GM Vehicles: ABS Tests

GM Vehicles: ABS Tests			
Year	Type	VIN Char	Tests
1999 - 2003	3WAL ABS		• Brake Bleed
1999 - 2001	4WAL 3 Sensors ABS (Late Model)		• Brake Bleed
1999 - 2003	4WAL 4 Sensors ABS (Early Model)		• Brake Bleed
2001 - 2003	4WAL 4 Sensors ABS (Late Model)		• Brake Bleed
2005 - 2007	4WAL 4 Sensors ABS (Late Model)		• Brake Bleed
2002 - 2007	4WAL 3 Sensors (Late Model: GVW < 8600)		• Brake Bleed
2002 - 2007	4WAL 3 Sensors (Late Model: GVW > 8600)		• Brake Bleed
2004	3WAL		• Brake Bleed
2004	4WAL 4 Sensors (Early Model)		• Brake Bleed
2004	4WAL 4 Sensors (Late Model: Light Duty)		• Brake Bleed
2004	4WAL 4 Sensors (Late Model: Medium Duty)		• Brake Bleed

GM Vehicles: ABS Tests			
Year	Type	VIN Char	Tests
2008 - 2009	4WAL (GVW < 8600) w/ VSES (JL4)		• ABS Motor • Brake Bleed • LF Inlet Valve Solenoid • LF Outlet Valve Solenoid • LR Inlet Valve Solenoid • LR Outlet Valve Solenoid • RF Inlet Valve Solenoid • RF Outlet Valve Solenoid • RR Inlet Valve Solenoid • RR Outlet Valve Solenoid
2008 - 2009	4WAL (GVW < 8600) w/o VSES (JL4)		• ABS Motor • Brake Bleed • LF Inlet Valve Solenoid • LF Outlet Valve Solenoid • Rear Inlet Valve Solenoid • Rear Outlet Valve Solenoid • RF Inlet Valve Solenoid • RF Outlet Valve Solenoid
2008 - 2009	4WAL (GVW > 8600) w/ VSES (JL4)	4WAL (GVW > 8600) w/ VSES (JL4)	• ABS Motor • Brake Bleed • LF Inlet Valve Solenoid • LF Outlet Valve Solenoid • LR Inlet Valve Solenoid • LR Outlet Valve Solenoid • RF Inlet Valve Solenoid • RF Outlet Valve Solenoid • RR Inlet Valve Solenoid • RR Outlet Valve Solenoid
2008	4WAL (GVW > 8600) w/o VSES (JL4)	9 - 6.6L (LMM)	• Brake Bleed

GM Vehicles: ABS Tests			
Year	Type	VIN Char	Tests
2008 - 2009	4WAL (GVW > 8600) w/o VSES (JL4)		• ABS Motor • Brake Bleed • LF Inlet Valve Solenoid • LF Outlet Valve Solenoid • Rear Inlet Valve Solenoid • Rear Outlet Valve Solenoid • RF Inlet Valve Solenoid • RF Outlet Valve Solenoid
2008 - 2009	4WAL ABS	6 - 5.2L (1L5)	• Brake Bleed
2008 - 2009	4WAL ABS	6 - 6.6L (LMM)	• Brake Bleed
2008 - 2009	4WAL ABS	9 - 6.6L (LMM)	• Brake Bleed
2008 - 2009	4WAL ABS	K - 6.0L (LY6)	• Brake Bleed
2008 - 2009	4WAL ABS	L - 5.3L (LH8)	• Brake Bleed
2008 - 2009	4WAL ABS		• Brake Bleed
2009	4WAL ABS	C - 4.8L (LY2)	• Brake Bleed
2010	4WAL (Full Size Van GVW < 8600)		• Brake Bleed

GM Vehicles: ABS Tests			
Year	Type	VIN Char	Tests
2010 - 2013	4WAL (GVW < 8600) w/ VSES (JL4)		• ABS Motor • Brake Bleed • LF Inlet Valve Solenoid • LF Outlet Valve Solenoid • LR Inlet Valve Solenoid • LR Outlet Valve Solenoid • RF Inlet Valve Solenoid • RF Outlet Valve Solenoid • RR Inlet Valve Solenoid • RR Outlet Valve Solenoid
2010 - 2013	4WAL (GVW < 8600) w/o VSES (JL4)		• ABS Motor • Brake Bleed • LF Inlet Valve Solenoid • LF Outlet Valve Solenoid • Rear Inlet Valve Solenoid • Rear Outlet Valve Solenoid • RF Inlet Valve Solenoid • RF Outlet Valve Solenoid
2010 - 2013	4WAL (GVW > 8600) w/ VSES (JL4)		• ABS Motor • Brake Bleed • LF Inlet Valve Solenoid • LF Outlet Valve Solenoid • LR Inlet Valve Solenoid • LR Outlet Valve Solenoid • RF Inlet Valve Solenoid • RF Outlet Valve Solenoid • RR Inlet Valve Solenoid • RR Outlet Valve Solenoid

GM Vehicles: ABS Tests			
Year	Type	VIN Char	Tests
2010 - 2013	4WAL (GVW > 8600) w/o VSES (JL4)		• ABS Motor • Brake Bleed • LF Inlet Valve Solenoid • LF Outlet Valve Solenoid • Rear Inlet Valve Solenoid • Rear Outlet Valve Solenoid • RF Inlet Valve Solenoid • RF Outlet Valve Solenoid
2010	4WAL (Full Size Pickup Truck GVW < 8600)		• Brake Bleed
2014 - 2016	4WAL		• ABS Motor • Brake Bleed • LF Inlet Valve Solenoid • LF Outlet Valve Solenoid • LR Inlet Valve Solenoid • LR Outlet Valve Solenoid • RF Inlet Valve Solenoid • RF Outlet Valve Solenoid • RR Inlet Valve Solenoid • RR Outlet Valve Solenoid

GM Vehicles: ABS Tests			
Year	Type	VIN Char	Tests
2017 - 2019		1 - 2.8L (LWN) Express	• ABS Pump Motor Voltage Command • Left Rear Inlet Solenoid Valve Command • Left Front Outlet Solenoid Valve Command • Left Front Inlet Solenoid Valve Command • Left Rear Outlet Solenoid Valve Command • Right Front Outlet Solenoid Valve Command • Right Rear Inlet Solenoid Valve Command • Right Front Inlet Solenoid Valve Command • Right Rear Outlet Solenoid Valve Command • ESP Solenoid Valves
2017 - 2019		1 - 2.8L (LWN) Savana	• ABS Pump Motor Voltage Command • Left Rear Inlet Solenoid Valve Command • Left Front Outlet Solenoid Valve Command • Left Front Inlet Solenoid Valve Command • Left Rear Outlet Solenoid Valve Command • Right Front Outlet Solenoid Valve Command • Right Rear Inlet Solenoid Valve Command • Right Front Inlet Solenoid Valve Command • Right Rear Outlet Solenoid Valve Command • ESP Solenoid Valves
2017 - 2019		B - 6.0L (LC8) Express	• ABS Pump Motor Voltage Command • Left Rear Inlet Solenoid Valve Command • Left Front Outlet Solenoid Valve Command • Left Front Inlet Solenoid Valve Command • Left Rear Outlet Solenoid Valve Command • Right Front Outlet Solenoid Valve Command • Right Rear Inlet Solenoid Valve Command • Right Front Inlet Solenoid Valve Command • Right Rear Outlet Solenoid Valve Command • ESP Solenoid Valves

GM Vehicles: ABS Tests			
Year	Type	VIN Char	Tests
2017 - 2019		B - 6.0L (LC8) Savana	• ABS Pump Motor Voltage Command • Left Rear Inlet Solenoid Valve Command • Left Front Outlet Solenoid Valve Command • Left Front Inlet Solenoid Valve Command • Left Rear Outlet Solenoid Valve Command • Right Front Outlet Solenoid Valve Command • Right Rear Inlet Solenoid Valve Command • Right Front Inlet Solenoid Valve Command • Right Rear Outlet Solenoid Valve Command • ESP Solenoid Valves
2017 - 2018		B - 6.0L (LC8) Sierra	• ABS Pump Motor Voltage Command • Left Rear Inlet Solenoid Valve Command • Left Front Outlet Solenoid Valve Command • Left Front Inlet Solenoid Valve Command • Left Rear Outlet Solenoid Valve Command • Right Front Outlet Solenoid Valve Command • Right Rear Inlet Solenoid Valve Command • Right Front Inlet Solenoid Valve Command • Right Rear Outlet Solenoid Valve Command • ESP Solenoid Valves
2017 - 2018		B - 6.0L (LC8) Silverado	• ABS Pump Motor Voltage Command • Left Rear Inlet Solenoid Valve Command • Left Front Outlet Solenoid Valve Command • Left Front Inlet Solenoid Valve Command • Left Rear Outlet Solenoid Valve Command • Right Front Outlet Solenoid Valve Command • Right Rear Inlet Solenoid Valve Command • Right Front Inlet Solenoid Valve Command • Right Rear Outlet Solenoid Valve Command • ESP Solenoid Valves

GM Vehicles: ABS Tests			
Year	Type	VIN Char	Tests
2017 - 2018		C - 5.3L (L83) Sierra	• ABS Pump Motor Voltage Command • Left Rear Inlet Solenoid Valve Command • Left Front Outlet Solenoid Valve Command • Left Front Inlet Solenoid Valve Command • Left Rear Outlet Solenoid Valve Command • Right Front Outlet Solenoid Valve Command • Right Rear Inlet Solenoid Valve Command • Right Front Inlet Solenoid Valve Command • Right Rear Outlet Solenoid Valve Command • ESP Solenoid Valves
2017 - 2018		C - 5.3L (L83) Silverado	• ABS Pump Motor Voltage Command • Left Rear Inlet Solenoid Valve Command • Left Front Outlet Solenoid Valve Command • Left Front Inlet Solenoid Valve Command • Left Rear Outlet Solenoid Valve Command • Right Front Outlet Solenoid Valve Command • Right Rear Inlet Solenoid Valve Command • Right Front Inlet Solenoid Valve Command • Right Rear Outlet Solenoid Valve Command • ESP Solenoid Valves
2017 - 2018		F - 4.8L (L20) Express	• ABS Pump Motor Voltage Command • Left Rear Inlet Solenoid Valve Command • Left Front Outlet Solenoid Valve Command • Left Front Inlet Solenoid Valve Command • Left Rear Outlet Solenoid Valve Command • Right Front Outlet Solenoid Valve Command • Right Rear Inlet Solenoid Valve Command • Right Front Inlet Solenoid Valve Command • Right Rear Outlet Solenoid Valve Command • ESP Solenoid Valves

GM Vehicles: ABS Tests			
Year	Type	VIN Char	Tests
2017 - 2018		F - 4.8L (L20) Savana	• ABS Pump Motor Voltage Command • Left Rear Inlet Solenoid Valve Command • Left Front Outlet Solenoid Valve Command • Left Front Inlet Solenoid Valve Command • Left Rear Outlet Solenoid Valve Command • Right Front Outlet Solenoid Valve Command • Right Rear Inlet Solenoid Valve Command • Right Front Inlet Solenoid Valve Command • Right Rear Outlet Solenoid Valve Command • ESP Solenoid Valves
2017 - 2019		G - 6.0L (L96) Express	• ABS Pump Motor Voltage Command • Left Rear Inlet Solenoid Valve Command • Left Front Outlet Solenoid Valve Command • Left Front Inlet Solenoid Valve Command • Left Rear Outlet Solenoid Valve Command • Right Front Outlet Solenoid Valve Command • Right Rear Inlet Solenoid Valve Command • Right Front Inlet Solenoid Valve Command • Right Rear Outlet Solenoid Valve Command • ESP Solenoid Valves
2017 - 2019		G - 6.0L (L96) Savana	• ABS Pump Motor Voltage Command • Left Rear Inlet Solenoid Valve Command • Left Front Outlet Solenoid Valve Command • Left Front Inlet Solenoid Valve Command • Left Rear Outlet Solenoid Valve Command • Right Front Outlet Solenoid Valve Command • Right Rear Inlet Solenoid Valve Command • Right Front Inlet Solenoid Valve Command • Right Rear Outlet Solenoid Valve Command • ESP Solenoid Valves

GM Vehicles: ABS Tests			
Year	Type	VIN Char	Tests
2017 - 2018		G - 6.0L (L96) Sierra	• ABS Pump Motor Voltage Command • Left Rear Inlet Solenoid Valve Command • Left Front Outlet Solenoid Valve Command • Left Front Inlet Solenoid Valve Command • Left Rear Outlet Solenoid Valve Command • Right Front Outlet Solenoid Valve Command • Right Rear Inlet Solenoid Valve Command • Right Front Inlet Solenoid Valve Command • Right Rear Outlet Solenoid Valve Command • ESP Solenoid Valves
2017 - 2018		G - 6.0L (L96) Silverado	• ABS Pump Motor Voltage Command • Left Rear Inlet Solenoid Valve Command • Left Front Outlet Solenoid Valve Command • Left Front Inlet Solenoid Valve Command • Left Rear Outlet Solenoid Valve Command • Right Front Outlet Solenoid Valve Command • Right Rear Inlet Solenoid Valve Command • Right Front Inlet Solenoid Valve Command • Right Rear Outlet Solenoid Valve Command • ESP Solenoid Valves
2017 - 2019		H - 4.3L (LV3) Sierra	• ABS Pump Motor Voltage Command • Left Rear Inlet Solenoid Valve Command • Left Front Outlet Solenoid Valve Command • Left Front Inlet Solenoid Valve Command • Left Rear Outlet Solenoid Valve Command • Right Front Outlet Solenoid Valve Command • Right Rear Inlet Solenoid Valve Command • Right Front Inlet Solenoid Valve Command • Right Rear Outlet Solenoid Valve Command • ESP Solenoid Valves

GM Vehicles: ABS Tests			
Year	Type	VIN Char	Tests
2017 - 2019		H - 4.3L (LV3) Silverado	• ABS Pump Motor Voltage Command • Left Rear Inlet Solenoid Valve Command • Left Front Outlet Solenoid Valve Command • Left Front Inlet Solenoid Valve Command • Left Rear Outlet Solenoid Valve Command • Right Front Outlet Solenoid Valve Command • Right Rear Inlet Solenoid Valve Command • Right Front Inlet Solenoid Valve Command • Right Rear Outlet Solenoid Valve Command • ESP Solenoid Valves
2017 - 2018		J - 6.2L (L86) Sierra	• ABS Pump Motor Voltage Command • Left Rear Inlet Solenoid Valve Command • Left Front Outlet Solenoid Valve Command • Left Front Inlet Solenoid Valve Command • Left Rear Outlet Solenoid Valve Command • Right Front Outlet Solenoid Valve Command • Right Rear Inlet Solenoid Valve Command • Right Front Inlet Solenoid Valve Command • Right Rear Outlet Solenoid Valve Command • ESP Solenoid Valves
2017 - 2018		J - 6.2L (L86) Silverado	• ABS Pump Motor Voltage Command • Left Rear Inlet Solenoid Valve Command • Left Front Outlet Solenoid Valve Command • Left Front Inlet Solenoid Valve Command • Left Rear Outlet Solenoid Valve Command • Right Front Outlet Solenoid Valve Command • Right Rear Inlet Solenoid Valve Command • Right Front Inlet Solenoid Valve Command • Right Rear Outlet Solenoid Valve Command • ESP Solenoid Valves

GM Vehicles: ABS Tests			
Year	Type	VIN Char	Tests
2017 - 2018		L - 6.6L (LGH) Express	• ABS Pump Motor Voltage Command • Left Rear Inlet Solenoid Valve Command • Left Front Outlet Solenoid Valve Command • Left Front Inlet Solenoid Valve Command • Left Rear Outlet Solenoid Valve Command • Right Front Outlet Solenoid Valve Command • Right Rear Inlet Solenoid Valve Command • Right Front Inlet Solenoid Valve Command • Right Rear Outlet Solenoid Valve Command • ESP Solenoid Valves
2017 - 2018		L - 6.6L (LGH) Savana	• ABS Pump Motor Voltage Command • Left Rear Inlet Solenoid Valve Command • Left Front Outlet Solenoid Valve Command • Left Front Inlet Solenoid Valve Command • Left Rear Outlet Solenoid Valve Command • Right Front Outlet Solenoid Valve Command • Right Rear Inlet Solenoid Valve Command • Right Front Inlet Solenoid Valve Command • Right Rear Outlet Solenoid Valve Command • ESP Solenoid Valves
2017 - 2018		P - 4.3L (LV1) Sierra	• ABS Pump Motor Voltage Command • Left Rear Inlet Solenoid Valve Command • Left Front Outlet Solenoid Valve Command • Left Front Inlet Solenoid Valve Command • Left Rear Outlet Solenoid Valve Command • Right Front Outlet Solenoid Valve Command • Right Rear Inlet Solenoid Valve Command • Right Front Inlet Solenoid Valve Command • Right Rear Outlet Solenoid Valve Command • ESP Solenoid Valves

GM Vehicles: ABS Tests			
Year	Type	VIN Char	Tests
2017 - 2018		P - 4.3L (LV1) Silverado	• ABS Pump Motor Voltage Command • Left Rear Inlet Solenoid Valve Command • Left Front Outlet Solenoid Valve Command • Left Front Inlet Solenoid Valve Command • Left Rear Outlet Solenoid Valve Command • Right Front Outlet Solenoid Valve Command • Right Rear Inlet Solenoid Valve Command • Right Front Inlet Solenoid Valve Command • Right Rear Outlet Solenoid Valve Command • ESP Solenoid Valves
2017 - 2018		R - 5.3L (L8B) Sierra	• ABS Pump Motor Voltage Command • Left Rear Inlet Solenoid Valve Command • Left Front Outlet Solenoid Valve Command • Left Front Inlet Solenoid Valve Command • Left Rear Outlet Solenoid Valve Command • Right Front Outlet Solenoid Valve Command • Right Rear Inlet Solenoid Valve Command • Right Front Inlet Solenoid Valve Command • Right Rear Outlet Solenoid Valve Command • ESP Solenoid Valves
2017 - 2018		R - 5.3L (L8B) Silverado	• ABS Pump Motor Voltage Command • Left Rear Inlet Solenoid Valve Command • Left Front Outlet Solenoid Valve Command • Left Front Inlet Solenoid Valve Command • Left Rear Outlet Solenoid Valve Command • Right Front Outlet Solenoid Valve Command • Right Rear Inlet Solenoid Valve Command • Right Front Inlet Solenoid Valve Command • Right Rear Outlet Solenoid Valve Command • ESP Solenoid Valves

GM Vehicles: ABS Tests			
Year	Type	VIN Char	Tests
2017 - 2018		Y - 6.6L (L5P) Sierra	• ABS Pump Motor Voltage Command • Left Rear Inlet Solenoid Valve Command • Left Front Outlet Solenoid Valve Command • Left Front Inlet Solenoid Valve Command • Left Rear Outlet Solenoid Valve Command • Right Front Outlet Solenoid Valve Command • Right Rear Inlet Solenoid Valve Command • Right Front Inlet Solenoid Valve Command • Right Rear Outlet Solenoid Valve Command • ESP Solenoid Valves
2017 - 2018		Y - 6.6L (L5P) Silverado	• ABS Pump Motor Voltage Command • Left Rear Inlet Solenoid Valve Command • Left Front Outlet Solenoid Valve Command • Left Front Inlet Solenoid Valve Command • Left Rear Outlet Solenoid Valve Command • Right Front Outlet Solenoid Valve Command • Right Rear Inlet Solenoid Valve Command • Right Front Inlet Solenoid Valve Command • Right Rear Outlet Solenoid Valve Command • ESP Solenoid Valves
2019		B - 6.0L (LC8) Sierra HD	• ABS Pump Motor Voltage Command • Left Rear Inlet Solenoid Valve Command • Left Front Outlet Solenoid Valve Command • Left Front Inlet Solenoid Valve Command • Left Rear Outlet Solenoid Valve Command • Right Front Outlet Solenoid Valve Command • Right Rear Inlet Solenoid Valve Command • Right Front Inlet Solenoid Valve Command • Right Rear Outlet Solenoid Valve Command • ESP Solenoid Valves

GM Vehicles: ABS Tests			
Year	Type	VIN Char	Tests
2019		B - 6.0L (LC8) Silverado HD	• ABS Pump Motor Voltage Command • Left Rear Inlet Solenoid Valve Command • Left Front Outlet Solenoid Valve Command • Left Front Inlet Solenoid Valve Command • Left Rear Outlet Solenoid Valve Command • Right Front Outlet Solenoid Valve Command • Right Rear Inlet Solenoid Valve Command • Right Front Inlet Solenoid Valve Command • Right Rear Outlet Solenoid Valve Command • ESP Solenoid Valves
2019		C - 5.3L (L83) Sierra HD	• ABS Pump Motor Voltage Command • Left Rear Inlet Solenoid Valve Command • Left Front Outlet Solenoid Valve Command • Left Front Inlet Solenoid Valve Command • Left Rear Outlet Solenoid Valve Command • Right Front Outlet Solenoid Valve Command • Right Rear Inlet Solenoid Valve Command • Right Front Inlet Solenoid Valve Command • Right Rear Outlet Solenoid Valve Command • ESP Solenoid Valves
2019		C - 5.3L (L83) Silverado HD	• ABS Pump Motor Voltage Command • Left Rear Inlet Solenoid Valve Command • Left Front Outlet Solenoid Valve Command • Left Front Inlet Solenoid Valve Command • Left Rear Outlet Solenoid Valve Command • Right Front Outlet Solenoid Valve Command • Right Rear Inlet Solenoid Valve Command • Right Front Inlet Solenoid Valve Command • Right Rear Outlet Solenoid Valve Command • ESP Solenoid Valves

GM Vehicles: ABS Tests			
Year	Type	VIN Char	Tests
2019		D - 5.3L (L84) Sierra	• ABS Pump Motor Voltage Command • Left Rear Inlet Solenoid Valve Command • Left Front Outlet Solenoid Valve Command • Left Front Inlet Solenoid Valve Command • Left Rear Outlet Solenoid Valve Command • Right Front Outlet Solenoid Valve Command • Right Rear Inlet Solenoid Valve Command • Right Front Inlet Solenoid Valve Command • Right Rear Outlet Solenoid Valve Command • ESP Solenoid Valves
2019		D - 5.3L (L84) Silverado	• ABS Pump Motor Voltage Command • Left Rear Inlet Solenoid Valve Command • Left Front Outlet Solenoid Valve Command • Left Front Inlet Solenoid Valve Command • Left Rear Outlet Solenoid Valve Command • Right Front Outlet Solenoid Valve Command • Right Rear Inlet Solenoid Valve Command • Right Front Inlet Solenoid Valve Command • Right Rear Outlet Solenoid Valve Command • ESP Solenoid Valves
2019		F - 5.3L (L82) Sierra	• ABS Pump Motor Voltage Command • Left Rear Inlet Solenoid Valve Command • Left Front Outlet Solenoid Valve Command • Left Front Inlet Solenoid Valve Command • Left Rear Outlet Solenoid Valve Command • Right Front Outlet Solenoid Valve Command • Right Rear Inlet Solenoid Valve Command • Right Front Inlet Solenoid Valve Command • Right Rear Outlet Solenoid Valve Command • ESP Solenoid Valves

GM Vehicles: ABS Tests			
Year	Type	VIN Char	Tests
2019		F - 5.3L (L82) Silverado	• ABS Pump Motor Voltage Command • Left Rear Inlet Solenoid Valve Command • Left Front Outlet Solenoid Valve Command • Left Front Inlet Solenoid Valve Command • Left Rear Outlet Solenoid Valve Command • Right Front Outlet Solenoid Valve Command • Right Rear Inlet Solenoid Valve Command • Right Front Inlet Solenoid Valve Command • Right Rear Outlet Solenoid Valve Command • ESP Solenoid Valves
2019		G - 6.0L (L96) Sierra HD	• ABS Pump Motor Voltage Command • Left Rear Inlet Solenoid Valve Command • Left Front Outlet Solenoid Valve Command • Left Front Inlet Solenoid Valve Command • Left Rear Outlet Solenoid Valve Command • Right Front Outlet Solenoid Valve Command • Right Rear Inlet Solenoid Valve Command • Right Front Inlet Solenoid Valve Command • Right Rear Outlet Solenoid Valve Command • ESP Solenoid Valves
2019		G - 6.0L (L96) Silverado HD	• ABS Pump Motor Voltage Command • Left Rear Inlet Solenoid Valve Command • Left Front Outlet Solenoid Valve Command • Left Front Inlet Solenoid Valve Command • Left Rear Outlet Solenoid Valve Command • Right Front Outlet Solenoid Valve Command • Right Rear Inlet Solenoid Valve Command • Right Front Inlet Solenoid Valve Command • Right Rear Outlet Solenoid Valve Command • ESP Solenoid Valves

GM Vehicles: ABS Tests			
Year	Type	VIN Char	Tests
2019		K - 2.7L (L3B) Sierra	• ABS Pump Motor Voltage Command • Left Rear Inlet Solenoid Valve Command • Left Front Outlet Solenoid Valve Command • Left Front Inlet Solenoid Valve Command • Left Rear Outlet Solenoid Valve Command • Right Front Outlet Solenoid Valve Command • Right Rear Inlet Solenoid Valve Command • Right Front Inlet Solenoid Valve Command • Right Rear Outlet Solenoid Valve Command • ESP Solenoid Valves
2019		K - 2.7L (L3B) Silverado	• ABS Pump Motor Voltage Command • Left Rear Inlet Solenoid Valve Command • Left Front Outlet Solenoid Valve Command • Left Front Inlet Solenoid Valve Command • Left Rear Outlet Solenoid Valve Command • Right Front Outlet Solenoid Valve Command • Right Rear Inlet Solenoid Valve Command • Right Front Inlet Solenoid Valve Command • Right Rear Outlet Solenoid Valve Command • ESP Solenoid Valves
2019		L - 6.2L (L87) Sierra	• ABS Pump Motor Voltage Command • Left Rear Inlet Solenoid Valve Command • Left Front Outlet Solenoid Valve Command • Left Front Inlet Solenoid Valve Command • Left Rear Outlet Solenoid Valve Command • Right Front Outlet Solenoid Valve Command • Right Rear Inlet Solenoid Valve Command • Right Front Inlet Solenoid Valve Command • Right Rear Outlet Solenoid Valve Command • ESP Solenoid Valves

GM Vehicles: ABS Tests			
Year	Type	VIN Char	Tests
2019		L - 6.2L (L87) Silverado	• ABS Pump Motor Voltage Command • Left Rear Inlet Solenoid Valve Command • Left Front Outlet Solenoid Valve Command • Left Front Inlet Solenoid Valve Command • Left Rear Outlet Solenoid Valve Command • Right Front Outlet Solenoid Valve Command • Right Rear Inlet Solenoid Valve Command • Right Front Inlet Solenoid Valve Command • Right Rear Outlet Solenoid Valve Command • ESP Solenoid Valves
2019		M - 6.6L (L5D) CV	• ABS Pump Motor Voltage Command • Left Rear Inlet Solenoid Valve Command • Left Front Outlet Solenoid Valve Command • Left Front Inlet Solenoid Valve Command • Left Rear Outlet Solenoid Valve Command • Right Front Outlet Solenoid Valve Command • Right Rear Inlet Solenoid Valve Command • Right Front Inlet Solenoid Valve Command • Right Rear Outlet Solenoid Valve Command • ESP Solenoid Valves
2019		P - 4.3L (LV1) Express	• ABS Pump Motor Voltage Command • Left Rear Inlet Solenoid Valve Command • Left Front Outlet Solenoid Valve Command • Left Front Inlet Solenoid Valve Command • Left Rear Outlet Solenoid Valve Command • Right Front Outlet Solenoid Valve Command • Right Rear Inlet Solenoid Valve Command • Right Front Inlet Solenoid Valve Command • Right Rear Outlet Solenoid Valve Command • ESP Solenoid Valves

GM Vehicles: ABS Tests			
Year	Type	VIN Char	Tests
2019		P - 4.3L (LV1) Savana	• ABS Pump Motor Voltage Command • Left Rear Inlet Solenoid Valve Command • Left Front Outlet Solenoid Valve Command • Left Front Inlet Solenoid Valve Command • Left Rear Outlet Solenoid Valve Command • Right Front Outlet Solenoid Valve Command • Right Rear Inlet Solenoid Valve Command • Right Front Inlet Solenoid Valve Command • Right Rear Outlet Solenoid Valve Command • ESP Solenoid Valves
2019		T - 3.0L (LM2) Sierra	• ABS Pump Motor Voltage Command • Left Rear Inlet Solenoid Valve Command • Left Front Outlet Solenoid Valve Command • Left Front Inlet Solenoid Valve Command • Left Rear Outlet Solenoid Valve Command • Right Front Outlet Solenoid Valve Command • Right Rear Inlet Solenoid Valve Command • Right Front Inlet Solenoid Valve Command • Right Rear Outlet Solenoid Valve Command • ESP Solenoid Valves
2019		T - 3.0L (LM2) Silverado	• ABS Pump Motor Voltage Command • Left Rear Inlet Solenoid Valve Command • Left Front Outlet Solenoid Valve Command • Left Front Inlet Solenoid Valve Command • Left Rear Outlet Solenoid Valve Command • Right Front Outlet Solenoid Valve Command • Right Rear Inlet Solenoid Valve Command • Right Front Inlet Solenoid Valve Command • Right Rear Outlet Solenoid Valve Command • ESP Solenoid Valves

GM Vehicles: ABS Tests			
Year	Type	VIN Char	Tests
2019		Y - 6.6L (L5P) Sierra HD	• ABS Pump Motor Voltage Command • Left Rear Inlet Solenoid Valve Command • Left Front Outlet Solenoid Valve Command • Left Front Inlet Solenoid Valve Command • Left Rear Outlet Solenoid Valve Command • Right Front Outlet Solenoid Valve Command • Right Rear Inlet Solenoid Valve Command • Right Front Inlet Solenoid Valve Command • Right Rear Outlet Solenoid Valve Command • ESP Solenoid Valves
2019		Y - 6.6L (L5P) Silverado HD	• ABS Pump Motor Voltage Command • Left Rear Inlet Solenoid Valve Command • Left Front Outlet Solenoid Valve Command • Left Front Inlet Solenoid Valve Command • Left Rear Outlet Solenoid Valve Command • Right Front Outlet Solenoid Valve Command • Right Rear Inlet Solenoid Valve Command • Right Front Inlet Solenoid Valve Command • Right Rear Outlet Solenoid Valve Command • ESP Solenoid Valves

Supported Tests

GM Vehicles: Cluster Tests

GM Vehicles: Cluster Tests		
Year	VIN Char	Tests
2017 - 2019	1 - 2.8L (LWN) Express	• Instrument Cluster Gauge Sweep
2017 - 2019	1 - 2.8L (LWN) Savana	• Instrument Cluster Gauge Sweep
2017 - 2019	B - 6.0L (LC8) Express	• Instrument Cluster Gauge Sweep
2017 - 2019	B - 6.0L (LC8) Savana	• Instrument Cluster Gauge Sweep
2017 - 2018	B - 6.0L (LC8) Sierra	• Instrument Cluster Gauge Sweep
2017 - 2018	B - 6.0L (LC8) Silverado	• Instrument Cluster Gauge Sweep
2017 - 2018	C - 5.3L (L83) Sierra	• Instrument Cluster Gauge Sweep
2017 - 2018	C - 5.3L (L83) Silverado	• Instrument Cluster Gauge Sweep
2017 - 2018	F - 4.8L (L20) Express	• Instrument Cluster Gauge Sweep
2017 - 2018	F - 4.8L (L20) Savana	• Instrument Cluster Gauge Sweep
2017 - 2019	G - 6.0L (L96) Express	• Instrument Cluster Gauge Sweep
2017 - 2019	G - 6.0L (L96) Savana	• Instrument Cluster Gauge Sweep
2017 - 2018	G - 6.0L (L96) Sierra	• Instrument Cluster Gauge Sweep
2017 - 2018	G - 6.0L (L96) Silverado	• Instrument Cluster Gauge Sweep
2017 - 2018	H - 4.3L (LV3) Sierra	• Instrument Cluster Gauge Sweep
2017 - 2018	H - 4.3L (LV3) Silverado	• Instrument Cluster Gauge Sweep
2017 - 2018	J - 6.2L (L86) Sierra	• Instrument Cluster Gauge Sweep
2017 - 2018	J - 6.2L (L86) Silverado	• Instrument Cluster Gauge Sweep
2017 - 2018	L - 6.6L (LGH) Express	• Instrument Cluster Gauge Sweep
2017 - 2018	L - 6.6L (LGH) Savana	• Instrument Cluster Gauge Sweep
2017 - 2018	P - 4.3L (LV1) Sierra	• Instrument Cluster Gauge Sweep
2017 - 2018	P - 4.3L (LV1) Silverado	• Instrument Cluster Gauge Sweep
2017 - 2018	R - 5.3L (L8B) Sierra	• Instrument Cluster Gauge Sweep
2017 - 2018	R - 5.3L (L8B) Silverado	• Instrument Cluster Gauge Sweep
2017 - 2018	Y - 6.6L (L5P) Sierra	• Instrument Cluster Gauge Sweep
2017 - 2018	Y - 6.6L (L5P) Silverado	• Instrument Cluster Gauge Sweep

GM Vehicles: Cluster Tests		
Year	VIN Char	Tests
2019	B - 6.0L (LC8) Sierra HD	• Instrument Cluster Gauge Sweep
2019	B - 6.0L (LC8) Silverado HD	• Instrument Cluster Gauge Sweep
2019	C - 5.3L (L83) Sierra HD	• Instrument Cluster Gauge Sweep
2019	C - 5.3L (L83) Silverado HD	• Instrument Cluster Gauge Sweep
2019	D - 5.3L (L84) Sierra	• Instrument Cluster Gauge Sweep
2019	D - 5.3L (L84) Silverado	• Instrument Cluster Gauge Sweep
2019	F - 5.3L (L82) Sierra	• Instrument Cluster Gauge Sweep
2019	F - 5.3L (L82) Silverado	• Instrument Cluster Gauge Sweep
2019	G - 6.0L (L96) Sierra HD	• Instrument Cluster Gauge Sweep
2019	G - 6.0L (L96) Silverado HD	• Instrument Cluster Gauge Sweep
2019	H - 4.3L (LV3) Sierra	• Instrument Cluster Gauge Sweep
2019	H - 4.3L (LV3) Silverado	• Instrument Cluster Gauge Sweep
2019	K - 2.7L (L3B) Sierra	• Instrument Cluster Gauge Sweep
2019	K - 2.7L (L3B) Silverado	• Instrument Cluster Gauge Sweep
2019	L - 6.2L (L87) Sierra	• Instrument Cluster Gauge Sweep
2019	L - 6.2L (L87) Silverado	• Instrument Cluster Gauge Sweep
2019	M - 6.6L (L5D) CV	• Instrument Cluster Gauge Sweep
2019	P - 4.3L (LV1) Express	• Instrument Cluster Gauge Sweep
2019	P - 4.3L (LV1) Savana	• Instrument Cluster Gauge Sweep
2019	T - 3.0L (LM2) Sierra	• Instrument Cluster Gauge Sweep
2019	T - 3.0L (LM2) Silverado	• Instrument Cluster Gauge Sweep
2019	Y - 6.6L (L5P) Sierra HD	• Instrument Cluster Gauge Sweep
2019	Y - 6.6L (L5P) Silverado HD	• Instrument Cluster Gauge Sweep

Fault Code and Live Data Support

GM Vehicles: 2017 to 2019

Fault Code and Live Data support is available for the following modules.

- Air Bag
- Body
- Chassis
- Instrument Cluster
- Remote Control Door Lock Receiver
- Glow Plug
- Power Take-Off
- HVAC
- HVAC Controls

Supported Tests

Isuzu Vehicles: Engine Tests

Isuzu Vehicles: Engine Tests		
Year	VIN Char	Tests
2003 - 2008	U - 6.0L (LQ4)	• Fuel Injector Cutout • Fuel Gauge • Fuel Trim Enable • A/C Relay • IAC RPM • Fuel Pump Relay • Loop Status • Vent Solenoid • O2S Heater Control • EGR Solenoid
2005	6 - 5.2L (1L5)	• Fuel Injector Cutout • Glow Plug Relay • PTO Relay • EGR Throttle Valve Solenoid • Exhaust Brake Relay • Malfunction Indicator Lamp • Tachometer Control • RPM Control • Pilot Injection Disable • Supply Pump Learn Reset • Glow Plug Lamp • Cruise Set Lamp • Cruise Main Lamp • Service Vehicle Soon Lamp

Isuzu Vehicles: Engine Tests		
Year	VIN Char	Tests
2006 - 2007	6 - 5.2L (1L5, EARLY MODEL)	• Fuel Injector Cutout • Glow Plug Relay • PTO Relay • EGR Throttle Valve Solenoid • Exhaust Brake Relay • Malfunction Indicator Lamp • Tachometer Control • RPM Control • Pilot Injection Disable • Supply Pump Learn Reset • Glow Plug Lamp • Cruise Set Lamp • Cruise Main Lamp • Service Vehicle Soon Lamp
2007	6 - 5.2L (1L5, LATE MODEL)	• Clear DPF Data • Cruise Main Lamp • DPF Normal Regeneration • DPF Slow Regeneration • EGR Valve • Exhaust Brake Control • Fuel Injector Cutout • Glow Plug Lamp • Intake Airflow Valve • Malfunction Indicator Lamp • PTO Relay Control • RPM Control • Service Vehicle Soon Lamp • Supply Pump Learn Reset • Turbocharger Vane

Isuzu Vehicles: Engine Tests		
Year	VIN Char	Tests
2008 - 2013	6 - 5.2L (1L5)	• Clear DPF Data • Cruise Main Lamp • DPF Normal Regeneration • DPF Slow Regeneration • EGR Valve • Exhaust Brake Control • Fuel Injector Cutout • Glow Plug Lamp • Intake Airflow Valve • Malfunction Indicator Lamp • PTO Relay Control • RPM Control • Service Vehicle Soon Lamp • Supply Pump Learn Reset • Turbocharger Vane

Isuzu Vehicles: Engine Tests		
Year	VIN Char	Tests
2011 - 2019	7 - 3.0L (LFB)	• Clear DPF Data • Clear ECM Learned Data • Cruise Main Lamp • Cruise Set Lamp • DPF Normal Regeneration • DPF Slow Regeneration • EGR Valve • Exhaust Brake Control • Exhaust Differential Pressure Sensor Learn • Fuel Injector Cutout • Fuel Rail Pressure • Glow Plug Control • Glow Plug Lamp • Idle Shutdown Extension • Intake Airflow Valve • Malfunction Indicator Lamp • PTO Relay Control • RPM Control • Service Vehicle Soon Lamp • Tachometer • Turbocharger Boost Control

Isuzu Vehicles: Engine Tests		
Year	VIN Char	Tests
2011 - 2013	B - 6.0L (L96)	• Engine Oil Life Reset • CKP Variation Learn • CMP Actuator • CMP Actuator Solenoid • EC Ignition Relay • Fuel Injector Cutout • Fuel Pump Relay • GEN L-Terminal Control • Injector Balance • RPM Control • Spark Retard • Starter Relay • Throttle Position
2011 - 2013	C - 6.0L (L96)	• Engine Oil Life Reset • CKP Variation Learn • CMP Actuator • CMP Actuator Solenoid • EC Ignition Relay • Fuel Injector Cutout • Fuel Pump Relay • GEN L-Terminal Control • Injector Balance • RPM Control • Spark Retard • Starter Relay • Throttle Position

Isuzu Vehicles: Engine Tests		
Year	VIN Char	Tests
2014 - 2019	6 - 5.2L (1L5)	• Clear DPF Data • Cruise Main Lamp • Cruise Set Lamp • DPF Normal Regeneration • DPF Slow Regeneration • ECT Gauge • EGR Valve • Exhaust Brake Control • Exhaust Differential Pressure Sensor Learn • Fuel Injector Cutout • Fuel Rail Pressure • Glow Plug Control • Glow Plug Lamp • Idle Shutdown Extension • Intake Airflow Valve • Malfunction Indicator Lamp • PTO Relay Control • Reset MAF Sensor Learned Adjustment • RPM Control • Service Vehicle Soon Lamp • Supply Pump Learn Reset • Turbocharger Vane

Isuzu Vehicles: Engine Tests		
Year	VIN Char	Tests
2014 - 2016	B - 6.0L (L96)	• Engine Oil Life Reset • CKP Variation Learn • CMP Actuator • CMP Actuator Solenoid • Cylinder Cutout • EC Ignition Relay • Fuel Pump Relay • GEN L-Terminal Control • Injector Balance • RPM Control • Spark Retard • Starter Relay • Throttle Position
2014 - 2016	C - 6.0L (L96)	• Engine Oil Life Reset • CKP Variation Learn • CMP Actuator • CMP Actuator Solenoid • Cylinder Cutout • EC Ignition Relay • Fuel Pump Relay • GEN L-Terminal Control • Injector Balance • RPM Control • Spark Retard • Starter Relay • Throttle Position

Supported Tests

Isuzu Vehicles: Transmission Tests

Isuzu Vehicles: Transmission Tests		
Year	VIN Char	Tests
2005	6 - 5.2L (1L5)	• Check Transmission Lamp • Shift Solenoid 1 • Shift Solenoid 2 • Shift Timing Solenoid • TCC Control Solenoid • PC Solenoid
2005 - 2007	U - 6.0L (LQ4)	• Check Transmission Lamp • Shift Solenoid 1 • Shift Solenoid 2 • Shift Timing Solenoid • TCC Control Solenoid • PC Solenoid
2006 - 2007	6 - 5.2L (1L5, EARLY MODEL)	• Check Transmission Lamp • Shift Solenoid 1 • Shift Solenoid 2 • Shift Timing Solenoid • TCC Control Solenoid • PC Solenoid

Isuzu Vehicles: Transmission Tests		
Year	VIN Char	Tests
2007	6 - 5.2L (1L5, LATE MODEL)	• Check Transmission Lamp • Linear Solenoid 1 • Linear Solenoid 2 • Linear Solenoid 3 • Linear Solenoid 4 • Shift Solenoid 1 • Shift Solenoid 2 • Shift Solenoid 3 • Shift Solenoid 4 • Transmission Fluid Overtemp Lamp
2008 - 2019	6 - 5.2L (1L5)	• Check Transmission Lamp • Linear Solenoid 1 • Linear Solenoid 2 • Linear Solenoid 3 • Linear Solenoid 4 • Shift Solenoid 1 • Shift Solenoid 2 • Shift Solenoid 3 • Shift Solenoid 4 • Transmission Fluid Overtemp Lamp

Isuzu Vehicles: Transmission Tests		
Year	VIN Char	Tests
2008	U - 6.0L (LQ4)	• Check Transmission Lamp • Linear Solenoid 1 • Linear Solenoid 2 • Linear Solenoid 3 • Linear Solenoid 4 • Shift Solenoid 1 • Shift Solenoid 2 • Shift Solenoid 3 • Shift Solenoid 4 • Transmission Fluid Overtemp Lamp
2011 - 2019	7 - 3.0L (LFB)	• Check Transmission Lamp • Linear Solenoid 1 • Linear Solenoid 2 • Linear Solenoid 3 • Linear Solenoid 4 • Shift Solenoid 1 • Shift Solenoid 2 • Shift Solenoid 3 • Shift Solenoid 4 • Transmission Fluid Overtemp Lamp

Isuzu Vehicles: Transmission Tests		
Year	VIN Char	Tests
2011 - 2016	B - 6.0L (L96)	• Check Transmission Lamp • Linear Solenoid 1 • Linear Solenoid 2 • Linear Solenoid 3 • Linear Solenoid 4 • Shift Solenoid 1 • Shift Solenoid 2 • Shift Solenoid 3 • Shift Solenoid 4 • Transmission Fluid Overtemp Lamp
2011 - 2016	C - 6.0L (L96)	• Check Transmission Lamp • Linear Solenoid 1 • Linear Solenoid 2 • Linear Solenoid 3 • Linear Solenoid 4 • Shift Solenoid 1 • Shift Solenoid 2 • Shift Solenoid 3 • Shift Solenoid 4 • Transmission Fluid Overtemp Lamp

Supported Tests

Isuzu Vehicles: DEF Tests

Isuzu Vehicles: DEF Tests			
Year	VIN Char	Type	Tests
2011 - 2019	6 - 5.2L (1L5)		• DEF Control Module Data Reset • DEF Dosing Test • DEF Heater Valve Relay • DEF Injector Control • DEF Injector Data Reset • DEF Reverting Valve • DEF Supply Pump • DEF System Leak Test • DPF Data Reset • EGT Sensor 3 Data Reset • NOx Sensor 1 Data Reset • NOx Sensor 2 Data Reset • Oxidation Catalyst Data Reset • SCR Catalyst Data Reset

Isuzu Vehicles: DEF Tests			
Year	VIN Char	Type	Tests
2011 - 2019	7 - 3.0L (LFB)		• DEF Control Module Data Reset • DEF Dosing Test • DEF Heater Valve Relay • DEF Injector Control • DEF Injector Data Reset • DEF Reverting Valve • DEF Supply Pump • DEF System Leak Test • DPF Data Reset • EGT Sensor 3 Data Reset • NOx Sensor 1 Data Reset • NOx Sensor 2 Data Reset • Oxidation Catalyst Data Reset • SCR Catalyst Data Reset

Supported Tests

Isuzu Vehicles: ABS Tests

Isuzu Vehicles: ABS Tests		
Year	VIN Char	Tests
2005	6 - 5.2L (1L5)	• Brake Bleed • ABS Relay • ABS Warning Lamp • Exhaust Brake Cut • LF Release Valve • LF Hold Valve • RF Release Valve • RF Hold Valve • LR Release Valve • LR Hold Valve • RR Release Valve • RR Hold Valve
2005	U - 6.0L (LQ4)	• Brake Bleed • ABS Relay • ABS Warning Lamp • Exhaust Brake Cut • LF Release Valve • LF Hold Valve • RF Release Valve • RF Hold Valve • LR Release Valve • LR Hold Valve • RR Release Valve • RR Hold Valve

Isuzu Vehicles: ABS Tests		
Year	VIN Char	Tests
2006 - 2007	6 - 5.2L (1L5, EARLY MODEL)	• Brake Bleed • ABS Warning Lamp • ABS Relay • ABS Motor • Exhaust Brake Cut • LF Release Valve • LF Hold Valve • RF Release Valve • RF Hold Valve • LR Release Valve • LR Hold Valve • RR Release Valve • RR Hold Valve
2006 - 2008	U - 6.0L (LQ4)	• Brake Bleed • ABS Warning Lamp • ABS Relay • ABS Motor • Exhaust Brake Cut • LF Release Valve • LF Hold Valve • RF Release Valve • RF Hold Valve • LR Release Valve • LR Hold Valve • RR Release Valve • RR Hold Valve

Isuzu Vehicles: ABS Tests		
Year	VIN Char	Tests
2007	6 - 5.2L (1L5, LATE MODEL)	• Brake Bleed • ABS Warning Lamp • ABS Relay • ABS Motor • Exhaust Brake Cut • LF Release Valve • LF Hold Valve • RF Release Valve • RF Hold Valve • LR Release Valve • LR Hold Valve • RR Release Valve • RR Hold Valve
2008 - 2013	6 - 5.2L (1L5)	• Brake Bleed • ABS Warning Lamp • ABS Relay • ABS Motor • Exhaust Brake Cut • LF Release Valve • LF Hold Valve • RF Release Valve • RF Hold Valve • LR Release Valve • LR Hold Valve • RR Release Valve • RR Hold Valve

Isuzu Vehicles: ABS Tests		
Year	VIN Char	Tests
2011 - 2012	7 - 3.0L (LFB)	• Brake Bleed • ABS Warning Lamp • ABS Relay • ABS Motor • Exhaust Brake Cut • LF Release Valve • LF Hold Valve • RF Release Valve • RF Hold Valve • LR Release Valve • LR Hold Valve • RR Release Valve • RR Hold Valve
2011 - 2013	B - 6.0L (L96)	• Brake Bleed • ABS Warning Lamp • ABS Relay • ABS Motor • Exhaust Brake Cut • LF Release Valve • LF Hold Valve • RF Release Valve • RF Hold Valve • LR Release Valve • LR Hold Valve • RR Release Valve • RR Hold Valve

Isuzu Vehicles: ABS Tests		
Year	VIN Char	Tests
2011 - 2013	C - 6.0L (L96)	• Brake Bleed • ABS Warning Lamp • ABS Relay • ABS Motor • Exhaust Brake Cut • LF Release Valve • LF Hold Valve • RF Release Valve • RF Hold Valve • LR Release Valve • LR Hold Valve • RR Release Valve • RR Hold Valve
2013 - 2019	7 - 3.0L (LFB)	• ABS Warning Lamp • Brake Warning Lamp • Hold Valves
2014 - 2019	6 - 5.2L (1L5)	• ABS Warning Lamp • Brake Warning Lamp • Hold Valves
2014 - 2016	B - 6.0L (L96)	• ABS Warning Lamp • Brake Warning Lamp • Hold Valves
2014 - 2016	C - 6.0L (L96)	• ABS Warning Lamp • Brake Warning Lamp • Hold Valves

Supported Tests

Isuzu Vehicles: Mimamori Tests

Isuzu Vehicles: Mimamori Tests		
Year	VIN Char	Tests
2011 - 2019	6 - 5.2L (1L5)	• SCR System Log Data Clear • Clear Recorded DTCs • A/T Log Data Clear • Engine Log Data Clear • Fuel Economy Meter Reset • Engine Log Data Force Recording • SCR System Data Force Recording • A/T Data Force Recording • A/T Event Data Clear
2011 - 2019	7 - 3.0L (LFB)	• SCR System Log Data Clear • Clear Recorded DTCs • A/T Log Data Clear • Engine Log Data Clear • Fuel Economy Meter Reset • Engine Log Data Force Recording • SCR System Data Force Recording • A/T Data Force Recording • A/T Event Data Clear

Isuzu Vehicles: Mimamori Tests		
Year	VIN Char	Tests
2011 - 2016	B - 6.0L (L96)	• SCR System Log Data Clear • Clear Recorded DTCs • A/T Log Data Clear • Engine Log Data Clear • Fuel Economy Meter Reset • Engine Log Data Force Recording • SCR System Data Force Recording • A/T Data Force Recording • A/T Event Data Clear
2011 - 2016	C - 6.0L (L96)	• SCR System Log Data Clear • Clear Recorded DTCs • A/T Log Data Clear • Engine Log Data Clear • Fuel Economy Meter Reset • Engine Log Data Force Recording • SCR System Data Force Recording • A/T Data Force Recording • A/T Event Data Clear

Supported Calibrations

Isuzu Vehicles: Engine Calibrations

Isuzu Vehicles: Engine Calibrations			
Year	VIN Char	Category	Tests
2008 - 2016	6 - 5.2L (1L5)	Injector Flow Rates	• Injector Flow Rate Cylinder 1 • Injector Flow Rate Cylinder 2 • Injector Flow Rate Cylinder 3 • Injector Flow Rate Cylinder 4

Isuzu Vehicles: Engine Calibrations			
Year	VIN Char	Category	Tests
2008 - 2016	6 - 5.2L (1L5)	PTO	• PTO Shutdown with Circuit Input • PTO Shutdown Vehicle Speed • PTO Engine Shutdown Time Delay • PTO Increase/Decrease RPM • PTO Mode • PTO Max Engine Speed • PTO Feedback • Remote PTO Throttle 100% • PTO Resume Speed • PTO Standby Speed • PTO Brake/Clutch Override • Remote PTO Throttle 0% • Disable Cab Controls with Circuit Input • PTO Max Engage Speed • PTO Max Vehicle Speed • Remote PTO Set Speed A • Remote PTO Set Speed A/B Switches • Remote PTO Throttle RPM Range • Remote PTO Throttle • DPF Regeneration in PTO • PTO Set Speed • Remote PTO Set Speed B • PTO Accel RPM Rate • PTO Engage Relay • PTO Reduce RPM Rate • Disable Cab Controls • Remote PTO Set/Resume Switches

Isuzu Vehicles: Engine Calibrations			
Year	VIN Char	Category	Tests
2008 - 2016	6 - 5.2L (1L5)	Cruise Control	• Minimum Cruise Control Speed Limit • Exhaust Brake In Cruise • Cruise Control Disable • Maximum Cruise Control Speed Limit
2008 - 2016	6 - 5.2L (1L5)	Limiters/ Misc	• Speedometer Calibration • Base Idle Speed • Vehicle Speed Limit
2008 - 2016	6 - 5.2L (1L5)	Engine Shutdown/ Protection	• Counter - High Exhaust Temp • Controlled Engine Shutdown Mode • Counter - Low Coolant Level • Odometer - Low Coolant Level • Counter - Engine Overspeed • Counter - Low Oil Level • Counter - High Coolant Temp • Odometer - High Coolant Temp • Controlled Engine Shutdown • Odometer - Low Oil Level • Counter - High EGR Temp

Isuzu Vehicles: Engine Calibrations			
Year	VIN Char	Category	Tests
2011 - 2016	6 - 5.2L (1L5)	Idle Shutdown	• Idle Shutdown Disable Below IAT Threshold • Idle Shutdown Disable Above ECT Threshold • Idle Shutdown Disable Below ECT Threshold • Idle Shutdown Enable in Park • Idle Shutdown Enable • Idle Shutdown Timer • Idle Shutdown Disable in DPF Mode • Idle Shutdown Buzzer Enable • Idle Shutdown Time Reduction w/ Park Brake Applied • Idle Shutdown Disable w/ ECM DTCs • Idle Shutdown Enable in Neutral • Idle Shutdown Disable Above RPM Threshold • Idle Shutdown Buzzer Enable Only w/ Park Brake Applied • Idle Shutdown Disable w/ PTO Switch On • Idle Shutdown Disable RPM Threshold
2011 - 2016	7 - 3.0L (LFB)	Injector Flow Rates	• Injector Flow Rate Cylinder 1 • Injector Flow Rate Cylinder 2 • Injector Flow Rate Cylinder 3 • Injector Flow Rate Cylinder 4

Isuzu Vehicles: Engine Calibrations			
Year	VIN Char	Category	Tests
2011 - 2016	7 - 3.0L (LFB)	PTO	• PTO Shutdown with Circuit Input • PTO Shutdown Vehicle Speed • PTO Engine Shutdown Time Delay • PTO Increase/Decrease RPM • PTO Mode • PTO Max Engine Speed • PTO Feedback • Remote PTO Throttle 100% • PTO Resume Speed • PTO Standby Speed • PTO Brake/Clutch Override • Remote PTO Throttle 0% • Disable Cab Controls with Circuit Input • PTO Max Engage Speed • PTO Max Vehicle Speed • Remote PTO Set Speed A • Remote PTO Set Speed A/B Switches • Remote PTO Throttle RPM Range • Remote PTO Throttle • DPF Regeneration in PTO • PTO Set Speed • Remote PTO Set Speed B • PTO Accel RPM Rate • PTO Engage Relay • PTO Reduce RPM Rate • Disable Cab Controls • Remote PTO Set/Resume Switches

Isuzu Vehicles: Engine Calibrations			
Year	VIN Char	Category	Tests
2011 - 2016	7 - 3.0L (LFB)	Cruise Control	• Minimum Cruise Control Speed Limit • Exhaust Brake In Cruise • Cruise Control Disable • Maximum Cruise Control Speed Limit
2011 - 2016	7 - 3.0L (LFB)	Limiters/ Misc	• Speedometer Calibration • Base Idle Speed • Vehicle Speed Limit
2011 - 2016	7 - 3.0L (LFB)	Engine Shutdown/ Protection	• Counter - High Exhaust Temp • Controlled Engine Shutdown Mode • Counter - Low Coolant Level • Odometer - Low Coolant Level • Counter - Engine Overspeed • Counter - Low Oil Level • Counter - High Coolant Temp • Odometer - High Coolant Temp • Controlled Engine Shutdown • Odometer - Low Oil Level • Counter - High EGR Temp

Isuzu Vehicles: Engine Calibrations			
Year	VIN Char	Category	Tests
2011 - 2016	7 - 3.0L (LFB)	Idle Shutdown	• Idle Shutdown Disable Below IAT Threshold • Idle Shutdown Disable Above ECT Threshold • Idle Shutdown Disable Below ECT Threshold • Idle Shutdown Enable in Park • Idle Shutdown Enable • Idle Shutdown Timer • Idle Shutdown Disable in DPF Mode • Idle Shutdown Buzzer Enable • Idle Shutdown Time Reduction w/ Park Brake Applied • Idle Shutdown Disable w/ ECM DTCs • Idle Shutdown Enable in Neutral • Idle Shutdown Disable Above RPM Threshold • Idle Shutdown Buzzer Enable Only w/ Park Brake Applied • Idle Shutdown Disable w/ PTO Switch On • Idle Shutdown Disable RPM Threshold

Supported Tests

Hummer: H1 Military Vehicles Only

Module	Tests
Transmission	• 1 - 2 Solenoid • 2 - 3 Solenoid • PC Solenoid • Shift Transmission • TCC Solenoid

Supported Tests

Ford Vehicles: Engine Tests

Ford Vehicles: Engine Tests		
Year	VIN Char	Tests
2000 - 2003	2 - 4.2L (E-Series)	• Key On Engine Off • Key On Engine Running
2000	2 - 4.2L (F-150)	• Key On Engine Off • Key On Engine Running
2002 - 2005	2 - 4.2L (F-150)	• Key On Engine Off • Key On Engine Running
2005 - 2008	2 - 4.2L (F-150)	• Key On Engine Off • Key On Engine Running
2000	2 - 4.2L (F-250 Light Duty)	• Key On Engine Off • Key On Engine Running
2000 - 2004	3 - 5.4L (F-150)	• Key On Engine Off • Key On Engine Running
2000 - 2003	5 - 7.3L (F-650 / F-750)	• Key On Engine Off • Key On Engine Running • KOER Cylinder Contribution • KOER Glow Plug Test • KOEO Injector Buzz Test • KOER Switch Test
2000 - 2001	6 - 4.6L (E-Series)	• Key On Engine Off • Key On Engine Running
2000 - 2001	6 - 4.6L (F-150)	• Key On Engine Off • Key On Engine Running
2000 - 2001	6 - 4.6L (F-250 Light Duty)	• Key On Engine Off • Key On Engine Running

Ford Vehicles: Engine Tests		
Year	VIN Char	Tests
2000 - 2003	6 - 7.3L (F-650 / F-750)	• Key On Engine Off • Key On Engine Running • KOER Cylinder Contribution • KOER Glow Plug Test • KOEO Injector Buzz Test • KOER Switch Test
2000 - 2003	F - 7.3L (E-Series)	• Key On Engine Off • Key On Engine Running • KOER Cylinder Contribution • KOER Glow Plug Test • KOEO Injector Buzz Test • KOER Switch Test
2000	F - 7.3L (F-650 / F-750)	• Key On Engine Off • Key On Engine Running • KOER Cylinder Contribution • KOER Glow Plug Test • KOEO Injector Buzz Test • KOER Switch Test
2002 - 2003	F - 7.3L (F-650 / F-750)	• Key On Engine Off • Key On Engine Running • KOER Cylinder Contribution • KOER Glow Plug Test • KOEO Injector Buzz Test • KOER Switch Test
2000 - 2003	F - 7.3L (F-Series Super Duty)	• Key On Engine Off • Key On Engine Running • KOER Cylinder Contribution • KOER Glow Plug Test • KOEO Injector Buzz Test • KOER Switch Test

Ford Vehicles: Engine Tests		
Year	VIN Char	Tests
2000 - 2008	L - 5.4L (E-Series)	• Key On Engine Off • Key On Engine Running
2000 - 2003	L - 5.4L (F-150)	• Key On Engine Off • Key On Engine Running
2000	L - 5.4L (F-250 Light Duty)	• Key On Engine Off • Key On Engine Running
2000 - 2004	L - 5.4L (F-Series Super Duty)	• Key On Engine Off • Key On Engine Running
2000 - 2008	S - 6.8L (E-Series)	• Key On Engine Off • Key On Engine Running
2000 - 2004	S - 6.8L (F-Series Super Duty)	• Key On Engine Off • Key On Engine Running
2001 - 2003	3 - 5.4L (F-150 SuperCrew (4 full size doors))	• Key On Engine Off • Key On Engine Running
2001 - 2003	L - 5.4L (F-150 SuperCrew (4 full size doors))	• Key On Engine Off • Key On Engine Running
2001 - 2003	W - 4.6L (F-150 SuperCrew (4 full size doors))	• Key On Engine Off • Key On Engine Running
2001 - 2004	W - 4.6L (F-150)	• Key On Engine Off • Key On Engine Running
2004 - 2005	W - 4.6L (F-150)	• Key On Engine Off • Key On Engine Running
2005 - 2006	W - 4.6L (F-150)	• Key On Engine Off • Key On Engine Running
2006 - 2009	W - 4.6L (F-150)	• Key On Engine Off • Key On Engine Running
2002 - 2005	W - 4.6L (E-Series)	• Key On Engine Off • Key On Engine Running
2005 - 2008	W - 4.6L (E-Series)	• Key On Engine Off • Key On Engine Running

Ford Vehicles: Engine Tests		
Year	VIN Char	Tests
2003 - 2007	P - 6.0L (F-Series Super Duty)	• Power Balance • Relative Compression • Key On Engine Off • Key On Engine Running • KOER Glow Plug Monitor Self Test • Injector Buzz Test • Reset KAM • EGR Vacuum Regulator • Fuel Pump • Injector Control Pressure • Variable Fan Control • Variable Geometry Turbocharger
2004	5 - 5.4L (F-150)	• Key On Engine Off • Key On Engine Running
2004 - 2007	5 - 5.4L (F-150)	• Key On Engine Off • Key On Engine Running
2004 - 2008	P - 6.0L (E-Series)	• Power Balance • Relative Compression • Key On Engine Off • Key On Engine Running • KOER Glow Plug Monitor Self Test • Injector Buzz Test • Reset KAM • EGR Vacuum Regulator • Fuel Pump • Injector Control Pressure • Variable Fan Control • Variable Geometry Turbocharger
2005 - 2010	5 - 5.4L (F-Series Super Duty)	• Key On Engine Off • Key On Engine Running

Ford Vehicles: Engine Tests		
Year	VIN Char	Tests
2005	H - 4.6L (E-Series)	• Key On Engine Off • Key On Engine Running
2005	H - 4.6L (F-150)	• Key On Engine Off • Key On Engine Running
2005 - 2010	Y - 6.8L (F-Series Super Duty)	• Key On Engine Off • Key On Engine Running
2006 - 2009	V - 5.4L (F-150)	• Key On Engine Off • Key On Engine Running

Ford Vehicles: Engine Tests		
Year	VIN Char	Tests
2008 - 2010	R - 6.4L (F-Series Super Duty)	• DPF Regeneration • Power Balance • Relative Compression • Reset DPF Data • Key On Engine Off • Key On Engine Running • KOER Glow Plug Monitor Self Test • Clear EGR Adapt Tables • Clear Fuel Injector and HP Pump Adaptive Tables • Injector Buzz Test • Reset Water In Fuel Indicator • A/C Relay • Alternator 1 Command • Alternator 2 Command • Cooling Fan Command • Desired Fuel Pressure • Desired Idle Speed • EGR Throttle Command • EGR Valve Command • Fuel Cooler Pump Relay • Fuel Lift Pump Relay • Fuel Pressure Control Valve (PCV) • Fuel Volume Control Valve (VCV) • VGT Percent Command
2009	8 - 4.6L (F-150)	• Key On Engine Off • Key On Engine Running

Ford Vehicles: Engine Tests		
Year	VIN Char	Tests
2009	P - 6.0L (E-Series)	• Power Balance • Relative Compression • Key On Engine Off • Key On Engine Running • KOER Glow Plug Monitor Self Test • Injector Buzz Test • Reset KAM • Converter Pressure Control • EGR Vacuum Regulator • Fuel Pump • Injector Control Pressure • Line Pressure Control • Shift Solenoid Pressure Control A • Shift Solenoid Pressure Control B • Shift Solenoid Pressure Control C • Shift Solenoid Pressure Control D • Shift Solenoid Pressure Control E • Variable Fan Control • Variable Geometry Turbocharger

Ford Vehicles: Engine Tests		
Year	VIN Char	Tests
2010 - 2011	6 - 6.2L (F-150)	• Power Balance • Relative Compression • Fuel Injector Cutout • Key On Engine Off • Key On Engine Running • Transmission Adaptive Test • Reset KAM • Air Conditioning Compressor Command • Desired Idle Speed RPM • Generator Voltage Desired • Variable Fan Duty Cycle • Converter Pressure Control • Torque Converter Control • Line Pressure Control Desired • Line Pressure Current Control
2013 - 2014	6 - 6.2L (F-150)	• Power Balance • Relative Compression • Fuel Injector Cutout • Key On Engine Off • Key On Engine Running • Transmission Adaptive Test • Reset KAM • Air Conditioning Compressor Command • Desired Idle Speed RPM • Generator Voltage Desired • Variable Fan Duty Cycle • Converter Pressure Control • Torque Converter Control • Line Pressure Control Desired • Line Pressure Current Control

Ford Vehicles: Engine Tests		
Year	VIN Char	Tests
2010	8 - 4.6L (F-150)	• Power Balance • Relative Compression • Fuel Injector Cutout • Key On Engine Off • Key On Engine Running • Transmission Adaptive Test • Reset KAM • Air Conditioning Compressor Command • Desired Idle Speed RPM • Generator Voltage Desired • Variable Fan Duty Cycle • Torque Converter Control • Line Pressure Control Desired • Line Pressure Current Control
2010 - 2016	L - 5.4L (E-Series)	• Power Balance • Relative Compression • Fuel Injector Cutout • Key On Engine Off • Key On Engine Running • Transmission Adaptive Test • Reset KAM • Air Conditioning Compressor Command • Desired Idle Speed RPM • Generator Voltage Desired • Converter Pressure Control • Torque Converter Control • Line Pressure Control Desired • Line Pressure Current Control

Ford Vehicles: Engine Tests		
Year	VIN Char	Tests
2010	P - 6.0L (E-Series)	• Power Balance • Relative Compression • Injector Buzz Test • Reset KAM • Converter Pressure Control • EGR Vacuum Regulator • Fuel Pump • Injector Control Pressure • Line Pressure Control • Shift Solenoid Pressure Control A • Shift Solenoid Pressure Control B • Shift Solenoid Pressure Control C • Shift Solenoid Pressure Control D • Shift Solenoid Pressure Control E • Variable Fan Control • Variable Geometry Turbocharger
2010 - 2016	S - 6.8L (E-Series)	• Power Balance • Relative Compression • Fuel Injector Cutout • Key On Engine Off • Key On Engine Running • Transmission Adaptive Test • Reset KAM • Air Conditioning Compressor Command • Desired Idle Speed RPM • Generator Voltage Desired • Converter Pressure Control • Torque Converter Control • Line Pressure Control Desired • Line Pressure Current Control

Ford Vehicles: Engine Tests		
Year	VIN Char	Tests
2010	V - 5.4L (F-150)	• Power Balance • Relative Compression • Fuel Injector Cutout • Key On Engine Off • Key On Engine Running • Transmission Adaptive Test • Reset KAM • Air Conditioning Compressor Command • Desired Idle Speed RPM • Generator Voltage Desired • Variable Fan Duty Cycle
2010	W - 4.6L (E-Series)	• Air Conditioning Compressor Command • Desired Idle Speed RPM • Generator Voltage Desired • Torque Converter Control • Line Pressure Control Desired • Line Pressure Current Control

Ford Vehicles: Engine Tests		
Year	VIN Char	Tests
2010	W - 4.6L (F-150)	• Power Balance • Relative Compression • Fuel Injector Cutout • Key On Engine Off • Key On Engine Running • Transmission Adaptive Test • Reset KAM • Air Conditioning Compressor Command • Desired Idle Speed RPM • Generator Voltage Desired • Variable Fan Duty Cycle • Torque Converter Control • Line Pressure Control Desired • Line Pressure Current Control
2011 - 2016	6 - 6.2L (F-Series Super Duty)	• Power Balance • Relative Compression • Fuel Injector Cutout • Key On Engine Off • Key On Engine Running • Transmission Adaptive Test • Reset KAM • Air Conditioning Compressor Command • Desired Idle Speed RPM • Generator Voltage Desired • Variable Fan Duty Cycle • Converter Pressure Control • Torque Converter Control • Line Pressure Control Desired • Line Pressure Current Control

Ford Vehicles: Engine Tests		
Year	VIN Char	Tests
2011	F - 5.0L (F-150)	• Power Balance • Relative Compression • Key On Engine Off • Key On Engine Running • Air Conditioning Compressor Command • Desired Idle Speed RPM • Generator Voltage Desired • Converter Pressure Control • Torque Converter Control • Line Pressure Control Desired • Line Pressure Current Control
2011 - 2014	M - 3.7L (F-150)	• Power Balance • Relative Compression • Key On Engine Off • Key On Engine Running • Air Conditioning Compressor Command • Desired Idle Speed RPM • Generator Voltage Desired • Converter Pressure Control • Torque Converter Control • Line Pressure Control Desired • Line Pressure Current Control

Ford Vehicles: Engine Tests		
Year	VIN Char	Tests
2011 - 2014	T - 3.5L (F-150)	• Power Balance • Relative Compression • Key On Engine Off • Key On Engine Running • Air Conditioning Compressor Command • Desired Idle Speed RPM • Generator Voltage Desired • Converter Pressure Control • Torque Converter Control • Line Pressure Control Desired • Line Pressure Current Control

Ford Vehicles: Engine Tests		
Year	VIN Char	Tests
2011	T - 6.7L (F-Series Super Duty)	• DPF Regeneration • Power Balance • Relative Compression • Fuel Injector Cutout • Key On Engine Off • Key On Engine Running • KOEO Injector Electrical Self Test • KOER Glow Plug Monitoring Self Test • Reset Oil Life • SCR Visual Leak Test • SCR Dosing Measurement Test • DPF Regeneration Suspension • Reset Engine Parameters • SCR Refill Activation • SCR System Emptying • High Pressure Fuel System Leak Test • SCR Injector Cleaning Test • Air Conditioning Compressor Command • Desired Idle Speed RPM • EGR A Duty Cycle or Position • EGR Cooler Bypass Valve • Fuel Lift Pump Command • Generator Voltage Desired • Generator 2 Voltage Desired • Glow Plug Relay • Malfunction Indicator Lamp • Reductant Injector Duty Cycle • Reductant Line Heater Control • Reductant Reverting Valve Duty Cycle - Commanded • Reductant Tank Heater Control • Variable Fan Duty Cycle • Water in Fuel Indicator Command

Ford Vehicles: Engine Tests		
Year	VIN Char	Tests
		• Fuel Rail Pressure A Commanded • Fuel Pressure Control Valve • Fuel Volume Control Valve • Starter Enable High Side • Starter Enable Low Side • Turbocharger Wastegate • Variable Geometry Turbocharger

Ford Vehicles: Engine Tests		
Year	VIN Char	Tests
2013 - 2016	T - 6.7L (F-Series Super Duty)	• DPF Regeneration • Power Balance • Relative Compression • Fuel Injector Cutout • Key On Engine Off • Key On Engine Running • KOEO Injector Electrical Self Test • KOER Glow Plug Monitoring Self Test • Reset Oil Life • SCR Visual Leak Test • SCR Dosing Measurement Test • DPF Regeneration Suspension • Reset Engine Parameters • SCR Refill Activation • SCR System Emptying • High Pressure Fuel System Leak Test • SCR Injector Cleaning Test • Air Conditioning Compressor Command • Desired Idle Speed RPM • EGR A Duty Cycle or Position • EGR Cooler Bypass Valve • Fuel Lift Pump Command • Generator Voltage Desired • Generator 2 Voltage Desired • Glow Plug Relay • Malfunction Indicator Lamp • Reductant Injector Duty Cycle • Reductant Line Heater Control • Reductant Reverting Valve Duty Cycle - Commanded • Reductant Tank Heater Control • Variable Fan Duty Cycle • Water in Fuel Indicator Command

Ford Vehicles: Engine Tests		
Year	VIN Char	Tests
		• Fuel Rail Pressure A Commanded • Fuel Pressure Control Valve • Fuel Volume Control Valve • Starter Enable High Side • Starter Enable Low Side • Turbocharger Wastegate • Variable Geometry Turbocharger

Ford Vehicles: Engine Tests		
Year	VIN Char	Tests
2011 - 2012	W - 4.6L (E-Series)	• Power Balance • Relative Compression • Fuel Injector Cutout • Key On Engine Off • Key On Engine Running • Air Conditioning Compressor Command • Desired Idle Speed RPM • Generator Voltage Desired • Torque Converter Control • Line Pressure Control Desired • Line Pressure Current Control
2011 - 2016	Y - 6.8L (F-Series Super Duty)	• Power Balance • Relative Compression • Fuel Injector Cutout • Key On Engine Off • Key On Engine Running • Transmission Adaptive Test • Reset KAM • Air Conditioning Compressor Command • Desired Idle Speed RPM • Generator Voltage Desired • Converter Pressure Control • Torque Converter Control • Line Pressure Control Desired • Line Pressure Current Control

Ford Vehicles: Engine Tests		
Year	VIN Char	Tests
2012	6 - 6.2L (F-150)	• Power Balance • Relative Compression • Fuel Injector Cutout • Key On Engine Off • Key On Engine Running • Transmission Adaptive Test • Reset KAM • Air Conditioning Compressor Command • Desired Idle Speed RPM • Generator Voltage Desired • Variable Fan Duty Cycle • Converter Pressure Control • Torque Converter Control
2012	D - 6.8L (F-650 / F-750)	• Power Balance • Relative Compression • Fuel Injector Cutout • Key On Engine Off • Key On Engine Running • Transmission Adaptive Test • Reset KAM • Gear Commanded • Air Conditioning Compressor Command • Desired Idle Speed RPM • Generator Voltage Desired • Converter Pressure Control • Torque Converter Control • Line Pressure Control Desired • Line Pressure Current Control

Ford Vehicles: Engine Tests		
Year	VIN Char	Tests
2012	F - 5.0L (F-150)	• Power Balance • Relative Compression • Key On Engine Off • Key On Engine Running • Air Conditioning Compressor Command • Desired Idle Speed RPM • Generator Voltage Desired • Converter Pressure Control • Torque Converter Control • Line Pressure Control Desired • Line Pressure Current Control • Left Front Inlet Valve State • Left Rear Inlet Valve State • Right Front Inlet Valve State • Left Front Outlet Valve State • Right Front Outlet Valve State • Left Rear Outlet Valve State • Right Rear Outlet Valve State • ABS Pump Motor Control

Ford Vehicles: Engine Tests		
Year	VIN Char	Tests
2012	T - 6.7L (F-Series Super Duty)	• DPF Regeneration • Power Balance • Relative Compression • Fuel Injector Cutout • Key On Engine Off • Key On Engine Running • KOEO Injector Electrical Self Test • KOER Glow Plug Monitoring Self Test • Reset Oil Life • SCR Visual Leak Test • SCR Dosing Measurement Test • DPF Regeneration Suspension • Reset Engine Parameters • SCR Refill Activation • SCR System Emptying • High Pressure Fuel System Leak Test • SCR Injector Cleaning Test • Air Conditioning Compressor Command • Desired Idle Speed RPM • EGR A Duty Cycle or Position • EGR Cooler Bypass Valve • Fuel Lift Pump Command • Generator Voltage Desired • Generator 2 Voltage Desired • Glow Plug Relay • Malfunction Indicator Lamp • Reductant Injector Duty Cycle • Reductant Line Heater Control • Reductant Reverting Valve Duty Cycle - Commanded • Reductant Tank Heater Control • Variable Fan Duty Cycle • Water in Fuel Indicator Command

Ford Vehicles: Engine Tests		
Year	VIN Char	Tests
		• Line Pressure Control Desired • Line Pressure Current Control • Fuel Rail Pressure A Commanded • Fuel Pressure Control Valve • Fuel Volume Control Valve • Starter Enable High Side • Starter Enable Low Side • Turbocharger Wastegate • Variable Geometry Turbocharger

Ford Vehicles: Engine Tests		
Year	VIN Char	Tests
2013	D - 6.8L (F-650 / F-750)	• Power Balance • Relative Compression • Fuel Injector Cutout • Key On Engine Off • Key On Engine Running • Transmission Adaptive Test • Reset KAM • Air Conditioning Compressor Command • Desired Idle Speed RPM • Generator Voltage Desired • Converter Pressure Control • Torque Converter Control • Line Pressure Control Desired • Line Pressure Current Control
2015 - 2016	D - 6.8L (F-650 / F-750)	• Power Balance • Relative Compression • Fuel Injector Cutout • Key On Engine Off • Key On Engine Running • Transmission Adaptive Test • Reset KAM • Air Conditioning Compressor Command • Desired Idle Speed RPM • Generator Voltage Desired • Converter Pressure Control • Torque Converter Control • Line Pressure Control Desired • Line Pressure Current Control

Ford Vehicles: Engine Tests		
Year	VIN Char	Tests
2013 - 2016	F - 5.0L (F-150)	• Power Balance • Relative Compression • Fuel Injector Cutout • Key On Engine Off • Key On Engine Running • Transmission Adaptive Test • Reset KAM • Air Conditioning Compressor Command • Desired Idle Speed RPM • Generator Voltage Desired • Converter Pressure Control • Torque Converter Control • Line Pressure Control Desired • Line Pressure Current Control
2013	P - 6.8L (F-650 / F-750)	• Power Balance • Relative Compression • Fuel Injector Cutout • Key On Engine Off • Key On Engine Running • Transmission Adaptive Test • Reset KAM • Air Conditioning Compressor Command • Desired Idle Speed RPM • Generator Voltage Desired • Converter Pressure Control • Torque Converter Control • Line Pressure Control Desired • Line Pressure Current Control

Ford Vehicles: Engine Tests		
Year	VIN Char	Tests
2015 - 2016	P - 6.8L (F-650 / F-750)	• Power Balance • Relative Compression • Fuel Injector Cutout • Key On Engine Off • Key On Engine Running • Transmission Adaptive Test • Reset KAM • Air Conditioning Compressor Command • Desired Idle Speed RPM • Generator Voltage Desired • Converter Pressure Control • Torque Converter Control • Line Pressure Control Desired • Line Pressure Current Control
2013 - 2014	W - 4.6L (E-Series)	• Power Balance • Relative Compression • Fuel Injector Cutout • Key On Engine Off • Key On Engine Running • Transmission Adaptive Test • Reset KAM • Air Conditioning Compressor Command • Desired Idle Speed RPM • Generator Voltage Desired • Torque Converter Control • Line Pressure Control Desired • Line Pressure Current Control

Ford Vehicles: Engine Tests		
Year	VIN Char	Tests
2015 - 2016	8 - 3.5L (F-150)	• Power Balance • Relative Compression • Key On Engine Off • Key On Engine Running • Air Conditioning Compressor Command • Desired Idle Speed RPM • Generator Voltage Desired • Variable Fan Duty Cycle • Converter Pressure Control • Torque Converter Control • Line Pressure Control Desired • Line Pressure Current Control
2015 - 2016	G - 3.5L (F-150)	• Power Balance • Relative Compression • Key On Engine Off • Key On Engine Running • Air Conditioning Compressor Command • Desired Idle Speed RPM • Generator Voltage Desired • Variable Fan Duty Cycle • Converter Pressure Control • Torque Converter Control • Line Pressure Control Desired • Line Pressure Current Control

Ford Vehicles: Engine Tests		
Year	VIN Char	Tests
2015 - 2016	G - 3.5L (Transit)	• Power Balance • Relative Compression • Key On Engine Off • Key On Engine Running • Air Conditioning Compressor Command • Desired Idle Speed RPM • Generator Voltage Desired • Converter Pressure Control • Torque Converter Control • Line Pressure Control Desired • Line Pressure Current Control
2015 - 2016	M - 3.7L (Transit)	• Power Balance • Relative Compression • Key On Engine Off • Key On Engine Running • Air Conditioning Compressor Command • Desired Idle Speed RPM • Generator Voltage Desired • Converter Pressure Control • Torque Converter Control • Line Pressure Control Desired • Line Pressure Current Control

Ford Vehicles: Engine Tests		
Year	VIN Char	Tests
2015 - 2016	V - 3.2L (Transit)	• DPF Regeneration • Power Balance • Key On Engine Off • Key On Engine Running • Reset Oil Life • Desired Idle Speed RPM • Fuel Volume Control Valve • Air Conditioning Request Signal • EGR Valve Position Desired • EGR Throttle Position Commanded • Fuel Pump • Fuel Rail Pressure Desired • FAN2 Control Signal • FAN1 Control Signal • EGR Cooler Bypass Valve • Fuel Vaporizer • Generator Command • Generator Voltage Desired • Glow Plug Voltage Commanded • Vaporizer Glow Plug Relay State Commanded • Variable Geometry Turbocharger

Ford Vehicles: Engine Tests		
Year	VIN Char	Tests
2017 - 2019	6 - 6.2L (E-Series)	• Power Balance • Relative Compression • Fuel Injector Cutout • Key On Engine Off • Key On Engine Running • Transmission Adaptive Test • Reset KAM • Gear Commanded • Air Conditioning Compressor Command • Desired Idle Speed RPM • Generator Voltage Desired • Variable Fan Duty Cycle • Converter Pressure Control • Torque Converter Control • Line Pressure Control Desired • Line Pressure Current Control

Ford Vehicles: Engine Tests		
Year	VIN Char	Tests
2017 - 2019	6 - 6.2L (F-Series Super Duty)	• Power Balance • Relative Compression • Fuel Injector Cutout • Key On Engine Off • Key On Engine Running • Transmission Adaptive Test • Reset KAM • Gear Commanded • Air Conditioning Compressor Command • Desired Idle Speed RPM • Generator Voltage Desired • Variable Fan Duty Cycle • Converter Pressure Control • Torque Converter Control • Line Pressure Control Desired • Line Pressure Current Control

Ford Vehicles: Engine Tests		
Year	VIN Char	Tests
2017 - 2018	7 - 2.5L (Transit Connect)	• Power Balance • Relative Compression • Fuel Injector Cutout • Key On Engine Off • Key On Engine Running • Transmission Adaptive Test • Reset KAM • Gear Commanded • Air Conditioning Compressor Command • Desired Idle Speed RPM • Generator Voltage Desired • Variable Fan Duty Cycle • Converter Pressure Control • Torque Converter Control • Line Pressure Control Desired • Line Pressure Current Control

Ford Vehicles: Engine Tests		
Year	VIN Char	Tests
2017 - 2019	C - 6.7L (F-650 / F-750)	• DPF Regeneration • Power Balance • Relative Compression • Fuel Injector Cutout • Key On Engine Off • Key On Engine Running • KOEO Injector Electrical Self Test • KOER Glow Plug Monitoring Self Test • SCR Visual Leak Test • SCR Dosing Measurement Test • DPF Regeneration Suspension • SCR Refill Activation • SCR System Emptying • High Pressure Fuel System Leak Test • Reset Engine Parameters • Air Conditioning Compressor Command • Desired Idle Speed RPM • Generator Voltage Desired • Generator 2 Voltage Desired • Reductant Injector Duty Cycle • Reductant Line Heater Control • Reductant Tank Heater Control • Variable Fan Duty Cycle • Fuel Pressure Control Valve • Fuel Volume Control Valve • EGR Valve Position Desired • EGR Throttle Position Commanded • Fuel Rail Pressure Desired • EGR Cooler Bypass Valve • Variable Geometry Turbocharger

Ford Vehicles: Engine Tests		
Year	VIN Char	Tests
2017 - 2019	E - 6.7L (F-650 / F-750)	• DPF Regeneration • Power Balance • Relative Compression • Fuel Injector Cutout • Key On Engine Off • Key On Engine Running • KOEO Injector Electrical Self Test • KOER Glow Plug Monitoring Self Test • SCR Visual Leak Test • SCR Dosing Measurement Test • DPF Regeneration Suspension • SCR Refill Activation • SCR System Emptying • High Pressure Fuel System Leak Test • Reset Engine Parameters • Air Conditioning Compressor Command • Desired Idle Speed RPM • Generator Voltage Desired • Generator 2 Voltage Desired • Reductant Injector Duty Cycle • Reductant Line Heater Control • Reductant Tank Heater Control • Variable Fan Duty Cycle • Fuel Pressure Control Valve • Fuel Volume Control Valve • EGR Valve Position Desired • EGR Throttle Position Commanded • Fuel Rail Pressure Desired • EGR Cooler Bypass Valve • Variable Geometry Turbocharger

Ford Vehicles: Engine Tests		
Year	VIN Char	Tests
2017	G - 3.5L (F-150)	• Power Balance • Relative Compression • Fuel Injector Cutout • Key On Engine Off • Key On Engine Running • Transmission Adaptive Test • Reset KAM • Gear Commanded • Air Conditioning Compressor Command • Desired Idle Speed RPM • Generator Voltage Desired • Variable Fan Duty Cycle • Converter Pressure Control • Torque Converter Control • Line Pressure Control Desired • Line Pressure Current Control

Ford Vehicles: Engine Tests		
Year	VIN Char	Tests
2017 - 2019	G - 3.5L (Transit)	• Power Balance • Relative Compression • Fuel Injector Cutout • Key On Engine Off • Key On Engine Running • Transmission Adaptive Test • Reset KAM • Gear Commanded • Air Conditioning Compressor Command • Desired Idle Speed RPM • Generator Voltage Desired • Converter Pressure Control • Torque Converter Control • Line Pressure Control Desired • Line Pressure Current Control
2017	H - 5.0L (F-150)	• Power Balance • Relative Compression • Fuel Injector Cutout • Key On Engine Off • Key On Engine Running • Transmission Adaptive Test • Reset KAM • Gear Commanded • Air Conditioning Compressor Command • Desired Idle Speed RPM • Generator Voltage Desired • Converter Pressure Control • Torque Converter Control • Line Pressure Control Desired • Line Pressure Current Control

Ford Vehicles: Engine Tests		
Year	VIN Char	Tests
2017 - 2019	M - 3.7L (Transit)	• Power Balance • Relative Compression • Fuel Injector Cutout • Key On Engine Off • Key On Engine Running • Transmission Adaptive Test • Reset KAM • Gear Commanded • Air Conditioning Compressor Command • Desired Idle Speed RPM • Torque Converter Control • Line Pressure Current Control • Generator Voltage Desired • Converter Pressure Control
2017	P - 2.7L (F-150)	• Power Balance • Relative Compression • Fuel Injector Cutout • Key On Engine Off • Key On Engine Running • Transmission Adaptive Test • Reset KAM • Gear Commanded • Air Conditioning Compressor Command • Desired Idle Speed RPM • Generator Voltage Desired • Converter Pressure Control • Torque Converter Control • Line Pressure Control Desired • Line Pressure Current Control

Ford Vehicles: Engine Tests		
Year	VIN Char	Tests
2017 - 2019	S - 6.8L (E-Series)	• Power Balance • Relative Compression • Fuel Injector Cutout • Key On Engine Off • Key On Engine Running • Transmission Adaptive Test • Reset KAM • Gear Commanded • Air Conditioning Compressor Command • Desired Idle Speed RPM • Generator Voltage Desired • Variable Fan Duty Cycle • Converter Pressure Control • Torque Converter Control • Line Pressure Control Desired • Line Pressure Current Control

Ford Vehicles: Engine Tests		
Year	VIN Char	Tests
2017 - 2019	T - 6.7L (F-Series Super Duty)	• DPF Regeneration • Power Balance • Relative Compression • Fuel Injector Cutout • Key On Engine Off • Key On Engine Running • KOEO Injector Electrical Self Test • KOER Glow Plug Monitoring Self Test • SCR Visual Leak Test • SCR Dosing Measurement Test • DPF Regeneration Suspension • SCR Refill Activation • SCR System Emptying • High Pressure Fuel System Leak Test • Reset Engine Parameters • Air Conditioning Compressor Command • Desired Idle Speed RPM • Generator Voltage Desired • Generator 2 Voltage Desired • Reductant Injector Duty Cycle • Reductant Line Heater Control • Reductant Tank Heater Control • Variable Fan Duty Cycle • Fuel Pressure Control Valve • Fuel Volume Control Valve • EGR Valve Position Desired • EGR Throttle Position Commanded • Fuel Rail Pressure Desired • EGR Cooler Bypass Valve • Variable Geometry Turbocharger

Ford Vehicles: Engine Tests		
Year	VIN Char	Tests
2017 - 2019	V - 3.2L (Transit)	• DPF Regeneration • Power Balance • Relative Compression • Fuel Injector Cutout • Key On Engine Off • Key On Engine Running • Reset Oil Life • DPF Regeneration Suspension • Desired Idle Speed RPM • Fuel Volume Control Valve • Air Conditioning Request Signal • EGR Valve Position Desired • EGR Throttle Position Commanded • Fuel Pump • Fuel Rail Pressure Desired • FAN2 Control Signal • FAN1 Control Signal • EGR Cooler Bypass Valve • Fuel Vaporizer • Generator Command • Generator Voltage Desired • Glow Plug Voltage Commanded • Vaporizer Glow Plug Relay State Commanded • Variable Geometry Turbocharger

Ford Vehicles: Engine Tests		
Year	VIN Char	Tests
2017	X - 1.6L (Transit Connect)	• Power Balance • Relative Compression • Fuel Injector Cutout • Key On Engine Off • Key On Engine Running • Transmission Adaptive Test • Reset KAM • Gear Commanded • Air Conditioning Compressor Command • Desired Idle Speed RPM • Generator Voltage Desired • Variable Fan Duty Cycle • Converter Pressure Control • Torque Converter Control • Line Pressure Control Desired • Line Pressure Current Control

Ford Vehicles: Engine Tests		
Year	VIN Char	Tests
2017 - 2019	X - 6.7L (F-650 / F-750)	• DPF Regeneration • Power Balance • Relative Compression • Fuel Injector Cutout • Key On Engine Off • Key On Engine Running • KOEO Injector Electrical Self Test • KOER Glow Plug Monitoring Self Test • SCR Visual Leak Test • SCR Dosing Measurement Test • DPF Regeneration Suspension • SCR Refill Activation • SCR System Emptying • High Pressure Fuel System Leak Test • Reset Engine Parameters • Air Conditioning Compressor Command • Desired Idle Speed RPM • Generator Voltage Desired • Generator 2 Voltage Desired • Reductant Injector Duty Cycle • Reductant Line Heater Control • Reductant Tank Heater Control • Variable Fan Duty Cycle • Fuel Pressure Control Valve • Fuel Volume Control Valve • EGR Valve Position Desired • EGR Throttle Position Commanded • Fuel Rail Pressure Desired • EGR Cooler Bypass Valve • Variable Geometry Turbocharger

Ford Vehicles: Engine Tests		
Year	VIN Char	Tests
2017 - 2019	Y - 6.8L (F-650 / F-750)	• Power Balance • Relative Compression • Fuel Injector Cutout • Key On Engine Off • Key On Engine Running • Transmission Adaptive Test • Reset KAM • Gear Commanded • Air Conditioning Compressor Command • Desired Idle Speed RPM • Generator Voltage Desired • Variable Fan Duty Cycle • Converter Pressure Control • Torque Converter Control • Line Pressure Control Desired • Line Pressure Current Control

Ford Vehicles: Engine Tests		
Year	VIN Char	Tests
2017 - 2019	Y - 6.8L (F-Series Super Duty)	• Power Balance • Relative Compression • Fuel Injector Cutout • Key On Engine Off • Key On Engine Running • Transmission Adaptive Test • Reset KAM • Gear Commanded • Air Conditioning Compressor Command • Desired Idle Speed RPM • Generator Voltage Desired • Variable Fan Duty Cycle • Converter Pressure Control • Torque Converter Control • Line Pressure Control Desired • Line Pressure Current Control

Ford Vehicles: Engine Tests		
Year	VIN Char	Tests
2018 - 2019	1 - 3.0L (F-150)	• DPF Regeneration • Power Balance • Relative Compression • Fuel Injector Cutout • Key On Engine Off • Key On Engine Running • Reset Oil Life • SCR Visual Leak Test • DPF Regeneration Suspension • SCR Refill Activation • SCR System Emptying • High Pressure Fuel System Leak Test • Air Conditioning Compressor Command • Desired Idle Speed RPM • Generator Voltage Desired • Reductant Injector Duty Cycle • Reductant Line Heater Control • Reductant Tank Heater Control • Variable Fan Duty Cycle • Fuel Pressure Control Valve • Fuel Volume Control Valve • EGR Valve Position Desired • EGR Throttle Position Commanded • EGR Cooler Bypass Valve

Ford Vehicles: Engine Tests		
Year	VIN Char	Tests
2018 - 2019	5 - 5.0L (F-150)	• Power Balance • Relative Compression • Fuel Injector Cutout • Key On Engine Off • Key On Engine Running • Transmission Adaptive Test • Reset KAM • Gear Commanded • Air Conditioning Compressor Command • Desired Idle Speed RPM • Generator Voltage Desired • Converter Pressure Control • Torque Converter Control • Line Pressure Control Desired • Line Pressure Current Control

Ford Vehicles: Engine Tests		
Year	VIN Char	Tests
2018 - 2019	B - 3.3L (F-150)	• Power Balance • Relative Compression • Fuel Injector Cutout • Key On Engine Off • Key On Engine Running • Transmission Adaptive Test • Reset KAM • Gear Commanded • Air Conditioning Compressor Command • Desired Idle Speed RPM • Generator Voltage Desired • Converter Pressure Control • Torque Converter Control • Line Pressure Control Desired • Line Pressure Current Control • EGR Valve Position Desired
2018 - 2019	G - 3.5L (F-150)	• Power Balance • Relative Compression • Fuel Injector Cutout • Key On Engine Off • Key On Engine Running • Transmission Adaptive Test • Reset KAM • Air Conditioning Compressor Command • Desired Idle Speed RPM • Generator Voltage Desired • Variable Fan Duty Cycle

Ford Vehicles: Engine Tests		
Year	VIN Char	Tests
2018 - 2019	P - 2.7L (F-150)	• Power Balance • Relative Compression • Fuel Injector Cutout • Key On Engine Off • Key On Engine Running • Transmission Adaptive Test • Reset KAM • Gear Commanded • Air Conditioning Compressor Command • Desired Idle Speed RPM • Generator Voltage Desired • Converter Pressure Control • Torque Converter Control • Line Pressure Control Desired • Line Pressure Current Control • EGR Valve Position Desired

Supported Tests

Ford Vehicles: Doser Control Unit (DCU) Tests

Ford Vehicles: DCU Tests		
Year	VIN Char	Tests
2015 - 2016	V - 3.2L (Transit)	• Key On Engine Off • SCR Visual Leak Test • SCR Dosing Measurement Test • SCR Refill Activation • SCR System Emptying • Reductant Injector Duty Cycle • Reductant Line Heater Control • Reductant Tank Heater Control
2017 - 2019	V - 3.2L (Transit)	• Key On Engine Off • SCR Visual Leak Test • SCR Dosing Measurement Test • SCR Refill Activation • SCR System Emptying • Reductant Injector Duty Cycle • Reductant Line Heater Control • Reductant Tank Heater Control

Supported Tests

Ford Vehicles: Transmission Tests

Note: Ford vehicles equipped with gasoline engines utilize a powertrain control module. This powertrain control module incorporates both engine and transmission management in one controller. As a result, the engine and transmission selections for these vehicles will provide complete powertrain support. All supported engine and transmission parameters and special tests will be available on both module selections.

Ford Vehicles: Transmission Tests		
Year	VIN Char	Tests
2003 - 2007	P - 6.0L (F-Series Super Duty)	• Converter Pressure Control • Line Pressure Control • Shift Solenoid Pressure Control A • Shift Solenoid Pressure Control B • Shift Solenoid Pressure Control C • Shift Solenoid Pressure Control D • Shift Solenoid Pressure Control E
2004 - 2010	P - 6.0L (E-Series)	• Converter Pressure Control • Line Pressure Control • Shift Solenoid Pressure Control A • Shift Solenoid Pressure Control B • Shift Solenoid Pressure Control C • Shift Solenoid Pressure Control D • Shift Solenoid Pressure Control E

Ford Vehicles: Transmission Tests		
Year	VIN Char	Tests
2008 - 2010	R - 6.4L (F-Series Super Duty)	• Converter Pressure Control • Line Pressure Control • Shift Solenoid Pressure Control A • Shift Solenoid Pressure Control B • Shift Solenoid Pressure Control C • Shift Solenoid Pressure Control D • Shift Solenoid Pressure Control E • Torque Converter Clutch Solenoid
2010	5 - 5.4L (F-Series Super Duty)	• Key On Engine Off • Key On Engine Running • Converter Pressure Control • Line Pressure Control • Shift Solenoid Pressure Control A • Shift Solenoid Pressure Control B • Shift Solenoid Pressure Control C • Shift Solenoid Pressure Control D • Shift Solenoid Pressure Control E • Torque Converter Clutch Solenoid
2010	8 - 4.6L (F-150)	• Key On Engine Off • Key On Engine Running • Converter Pressure Control • Line Pressure Control • Shift Solenoid Pressure Control A • Shift Solenoid Pressure Control B • Shift Solenoid Pressure Control C • Shift Solenoid Pressure Control D • Shift Solenoid Pressure Control E • Torque Converter Clutch Solenoid

Ford Vehicles: Transmission Tests		
Year	VIN Char	Tests
2010	V - 5.4L (F-150)	• Key On Engine Off • Key On Engine Running • Converter Pressure Control • Line Pressure Control • Shift Solenoid Pressure Control A • Shift Solenoid Pressure Control B • Shift Solenoid Pressure Control C • Shift Solenoid Pressure Control D • Shift Solenoid Pressure Control E • Torque Converter Clutch Solenoid
2010	W - 4.6L (F-150)	• Key On Engine Off • Key On Engine Running • Converter Pressure Control • Line Pressure Control • Shift Solenoid Pressure Control A • Shift Solenoid Pressure Control B • Shift Solenoid Pressure Control C • Shift Solenoid Pressure Control D • Shift Solenoid Pressure Control E • Torque Converter Clutch Solenoid
2011 - 2016	T - 6.7L (F-Series Super Duty)	• Key On Engine Off • Transmission Adaptive Test • Reset KAM • Converter Pressure Control • Torque Converter Control • Line Pressure Control Desired • Line Pressure Current Control

Ford Vehicles: Transmission Tests		
Year	VIN Char	Tests
2015	G - 3.5L (Transit)	• Power Balance • Relative Compression • Key On Engine Off • Key On Engine Running • Air Conditioning Compressor Command • Desired Idle Speed RPM • Generator Voltage Desired • Converter Pressure Control • Torque Converter Control • Line Pressure Control Desired • Line Pressure Current Control
2015	M - 3.7L (Transit)	• Power Balance • Relative Compression • Key On Engine Off • Key On Engine Running • Air Conditioning Compressor Command • Desired Idle Speed RPM • Generator Voltage Desired • Converter Pressure Control • Torque Converter Control • Line Pressure Control Desired • Line Pressure Current Control
2015 - 2016	V - 3.2L (Transit)	• Key On Engine Off • Converter Pressure Control • Torque Converter Control • Line Pressure Control Desired • Line Pressure Current Control

Ford Vehicles: Transmission Tests		
Year	VIN Char	Tests
2017 - 2019	C - 6.7L (F-650 / F-750)	• Key On Engine Off • Key On Engine Running • Transmission Adaptive Test • Reset KAM • Gear Commanded • Converter Pressure Control • Torque Converter Control • Line Pressure Control Desired • Line Pressure Current Control
2017 - 2019	E - 6.7L (F-650 / F-750)	• Key On Engine Off • Key On Engine Running • Transmission Adaptive Test • Reset KAM • Gear Commanded • Converter Pressure Control • Torque Converter Control • Line Pressure Control Desired • Line Pressure Current Control
2017 - 2018	G - 3.5L (F-150)	• Key On Engine Off • Key On Engine Running • Transmission Adaptive Test • Reset KAM • Gear Commanded • Converter Pressure Control • Torque Converter Control • Line Pressure Control Desired • Line Pressure Current Control

Ford Vehicles: Transmission Tests		
Year	VIN Char	Tests
2017 - 2019	T - 6.7L (F-Series Super Duty)	• Key On Engine Off • Key On Engine Running • Transmission Adaptive Test • Reset KAM • Gear Commanded • Converter Pressure Control • Torque Converter Control • Line Pressure Control Desired • Line Pressure Current Control
2017 - 2019	V - 3.2L (Transit)	• Key On Engine Off • Key On Engine Running • Transmission Adaptive Test • Reset KAM • Gear Commanded • Converter Pressure Control • Torque Converter Control • Line Pressure Control Desired • Line Pressure Current Control
2017 - 2019	X - 6.7L (F-650 / F-750)	• Key On Engine Off • Key On Engine Running • Transmission Adaptive Test • Reset KAM • Gear Commanded • Converter Pressure Control • Torque Converter Control • Line Pressure Control Desired • Line Pressure Current Control

Ford Vehicles: Transmission Tests		
Year	VIN Char	Tests
2018	1 - 3.0L (F-150)	• Key On Engine Off • Key On Engine Running • Transmission Adaptive Test • Reset KAM • Gear Commanded • Converter Pressure Control • Torque Converter Control • Line Pressure Control Desired • Line Pressure Current Control

Supported Tests

Ford Vehicles: Transfer Case Tests

Ford Vehicles: Transfer Case Tests		
Year	VIN Char	Tests
2017 - 2019	6 - 6.2L (F-Series Super Duty)	• Key On Engine Off
2017 - 2019	G - 3.5L (F-150)	• Key On Engine Off
2017	H - 5.0L (F-150)	• Key On Engine Off
2017 - 2019	P - 2.7L (F-150)	• Key On Engine Off
2017 - 2019	T - 6.7L (F-Series Super Duty)	• Key On Engine Off
2017 - 2019	Y - 6.8L (F-Series Super Duty)	• Key On Engine Off
2018 - 2019	1 - 3.0L (F-150)	• Key On Engine Off
2018 - 2019	5 - 5.0L (F-150)	• Key On Engine Off
2018 - 2019	B - 3.3L (F-150)	• Key On Engine Off

Supported Tests

Ford Vehicles: ABS (UDS) Tests

Ford Vehicles: ABS (UDS) Tests		
Year	VIN Char	Tests
2011 - 2016	6 - 6.2L (F-Series Super Duty)	• Key On Engine Off • Left Front Dump Valve • Left Front Isolation Valve • Right Front Dump Valve • Right Front Isolation Valve • Left Rear Dump Valve • Left Rear Isolation Valve • Right Rear Dump Valve • Right Rear Isolation Valve • Hydraulic Pump Motor • Left Front/ Right Rear Traction Control Valve 1 • Right Front/ Left Rear Traction Control Valve 2 • Right Front/ Left Rear Traction Control Supply 2 • Left Front/ Right Rear Traction Control Supply 1 • Brake Bleed

Ford Vehicles: ABS (UDS) Tests		
Year	VIN Char	Tests
2011 - 2016	T - 6.7L (F-Series Super Duty)	• Key On Engine Off • Left Front Dump Valve • Left Front Isolation Valve • Right Front Dump Valve • Right Front Isolation Valve • Left Rear Dump Valve • Left Rear Isolation Valve • Right Rear Dump Valve • Right Rear Isolation Valve • Hydraulic Pump Motor • Left Front/ Right Rear Traction Control Valve 1 • Right Front/ Left Rear Traction Control Valve 2 • Right Front/ Left Rear Traction Control Supply 2 • Left Front/ Right Rear Traction Control Supply 1 • Brake Bleed

Ford Vehicles: ABS (UDS) Tests		
Year	VIN Char	Tests
2011 - 2016	Y - 6.8L (F-Series Super Duty)	• Key On Engine Off • Left Front Dump Valve • Left Front Isolation Valve • Right Front Dump Valve • Right Front Isolation Valve • Left Rear Dump Valve • Left Rear Isolation Valve • Right Rear Dump Valve • Right Rear Isolation Valve • Hydraulic Pump Motor • Left Front/ Right Rear Traction Control Valve 1 • Right Front/ Left Rear Traction Control Valve 2 • Right Front/ Left Rear Traction Control Supply 2 • Left Front/ Right Rear Traction Control Supply 1 • Brake Bleed
2017	6 - 6.2L (F-Series Super Duty)	• Key On Engine Off
2017	T - 6.7L (F-Series Super Duty)	• Key On Engine Off
2017	Y - 6.8L (F-Series Super Duty)	• Key On Engine Off

Supported Tests

Ford Vehicles: ABS (HCAN) Tests

Ford Vehicles: ABS (HCAN) Tests		
Year	VIN Char	Tests
2011 - 2016	6 - 6.2L (F-Series Super Duty)	• Key On Engine Off • Left Front Inlet Valve State • Left Rear Inlet Valve State • Right Front Inlet Valve State • Left Front Outlet Valve State • Right Front Outlet Valve State • Left Rear Outlet Valve State • Right Rear Outlet Valve State • ABS Pump Motor Control
2011 - 2016	T - 6.7L (F-Series Super Duty)	• Key On Engine Off • Left Front Inlet Valve State • Left Rear Inlet Valve State • Right Front Inlet Valve State • Left Front Outlet Valve State • Right Front Outlet Valve State • Left Rear Outlet Valve State • Right Rear Outlet Valve State • ABS Pump Motor Control

Ford Vehicles: ABS (HCAN) Tests		
Year	VIN Char	Tests
2011 - 2016	Y - 6.8L (F-Series Super Duty)	• Key On Engine Off • Left Front Inlet Valve State • Left Rear Inlet Valve State • Right Front Inlet Valve State • Left Front Outlet Valve State • Right Front Outlet Valve State • Left Rear Outlet Valve State • Right Rear Outlet Valve State • ABS Pump Motor Control
2017	6 - 6.2L (F-Series Super Duty)	• Key On Engine Off • Left Front Inlet Valve State • Left Rear Inlet Valve State • Right Front Inlet Valve State • Left Front Outlet Valve State • Right Front Outlet Valve State • Left Rear Outlet Valve State • Right Rear Outlet Valve State • ABS Pump Motor Control
2017	T - 6.7L (F-Series Super Duty)	• Key On Engine Off • Left Front Inlet Valve State • Left Rear Inlet Valve State • Right Front Inlet Valve State • Left Front Outlet Valve State • Right Front Outlet Valve State • Left Rear Outlet Valve State • Right Rear Outlet Valve State • ABS Pump Motor Control

Ford Vehicles: ABS (HCAN) Tests		
Year	VIN Char	Tests
2017	Y - 6.8L (F-Series Super Duty)	• Key On Engine Off • Left Front Inlet Valve State • Left Rear Inlet Valve State • Right Front Inlet Valve State • Left Front Outlet Valve State • Right Front Outlet Valve State • Left Rear Outlet Valve State • Right Rear Outlet Valve State • ABS Pump Motor Control

Supported Tests

Ford Vehicles: Tire Pressure Tests

Ford Vehicles: Tire Pressure Tests		
Year	VIN Char	Tests
2017 - 2019	6 - 6.2L (F-Series Super Duty)	• Key On Engine Off
2017 - 2019	G - 3.5L (F-150)	• Key On Engine Off
2017	H - 5.0L (F-150)	• Key On Engine Off
2017 - 2019	P - 2.7L (F-150)	• Key On Engine Off
2017 - 2019	T - 6.7L (F-Series Super Duty)	• Key On Engine Off
2017 - 2019	Y - 6.8L (F-Series Super Duty)	• Key On Engine Off
2018 - 2019	1 - 3.0L (F-150)	• Key On Engine Off
2018 - 2019	5 - 5.0L (F-150)	• Key On Engine Off
2018 - 2019	B - 3.3L (F-150)	• Key On Engine Off

Supported Tests

Ford Vehicles: HVAC Tests

Ford Vehicles: HVAC Tests		
Year	VIN Char	Tests
2017 - 2018	7 - 2.5L (Transit Connect)	• Key On Engine Off
2017 - 2019	C - 6.7L (F-650 / F-750)	• Key On Engine Off
2017 - 2019	E - 6.7L (F-650 / F-750)	• Key On Engine Off
2017	X - 1.6L (Transit Connect)	• Key On Engine Off
2017 - 2019	X - 6.7L (F-650 / F-750)	• Key On Engine Off
2017 - 2019	Y - 6.8L (F-650 / F-750)	• Key On Engine Off

Supported Tests

Ford Vehicles: Body Tests

Ford Vehicles: Body Tests		
Year	VIN Char	Tests
2017 - 2019	6 - 6.2L (E-Series)	• Key On Engine Off
2017 - 2019	6 - 6.2L (F-Series Super Duty)	• Key On Engine Off
2017 - 2018	7 - 2.5L (Transit Connect)	• Key On Engine Off
2017 - 2019	C - 6.7L (F-650 / F-750)	• Key On Engine Off
2017 - 2019	E - 6.7L (F-650 / F-750)	• Key On Engine Off
2017 - 2019	G - 3.5L (F-150)	• Key On Engine Off
2017 - 2019	G - 3.5L (Transit)	• Key On Engine Off
2017	H - 5.0L (F-150)	• Key On Engine Off
2017 - 2019	M - 3.7L (Transit)	• Key On Engine Off
2017 - 2019	P - 2.7L (F-150)	• Key On Engine Off
2017 - 2019	S - 6.8L (E-Series)	• Key On Engine Off
2017 - 2019	T - 6.7L (F-Series Super Duty)	• Key On Engine Off
2017 - 2019	V - 3.2L (Transit)	• Key On Engine Off
2017	X - 1.6L (Transit Connect)	• Key On Engine Off
2017 - 2019	X - 6.7L (F-650 / F-750)	• Key On Engine Off
2017 - 2019	Y - 6.8L (F-650 / F-750)	• Key On Engine Off
2017 - 2019	Y - 6.8L (F-Series Super Duty)	• Key On Engine Off
2018 - 2019	1 - 3.0L (F-150)	• Key On Engine Off
2018 - 2019	5 - 5.0L (F-150)	• Key On Engine Off
2018 - 2019	B - 3.3L (F-150)	• Key On Engine Off

Supported Tests

Ford Vehicles: Cluster Tests

Ford Vehicles: Cluster Tests		
Year	VIN Char	Tests
2011 - 2014	6 - 6.2L (F-150)	• Key On Engine Off
2011 - 2016	6 - 6.2L (F-Series Super Duty)	• Key On Engine Off
2011 - 2016	F - 5.0L (F-150)	• Key On Engine Off
2011 - 2016	L - 5.4L (E-Series)	• Key On Engine Off
2011 - 2014	M - 3.7L (F-150)	• Key On Engine Off
2011 - 2016	S - 6.8L (E-Series)	• Key On Engine Off
2011 - 2014	T - 3.5L (F-150)	• Key On Engine Off
2011 - 2016	T - 6.7L (F-Series Super Duty)	• Key On Engine Off
2011 - 2014	W - 4.6L (E-Series)	• Key On Engine Off
2011 - 2016	Y - 6.8L (F-Series Super Duty)	• Key On Engine Off
2012 - 2013	D - 6.8L (F-650 / F-750)	• Key On Engine Off
2013	P - 6.8L (F-650 / F-750)	• Key On Engine Off
2015 - 2016	P - 6.8L (F-650 / F-750)	• Key On Engine Off
2015 - 2016	8 - 3.5L (F-150)	• Key On Engine Off
2015 - 2016	G - 3.5L (F-150)	• Key On Engine Off
2015 - 2016	G - 3.5L (Transit)	• Key On Engine Off
2015 - 2016	M - 3.7L (Transit)	• Key On Engine Off
2015 - 2016	V - 3.2L (Transit)	• Key On Engine Off
2017 - 2019	6 - 6.2L (E-Series)	• Key On Engine Off
2017 - 2019	6 - 6.2L (F-Series Super Duty)	• Key On Engine Off
2017 - 2018	7 - 2.5L (Transit Connect)	• Key On Engine Off
2017 - 2019	C - 6.7L (F-650 / F-750)	• Key On Engine Off
2017 - 2019	E - 6.7L (F-650 / F-750)	• Key On Engine Off
2017 - 2019	G - 3.5L (F-150)	• Key On Engine Off
2017 - 2019	G - 3.5L (Transit)	• Key On Engine Off

Ford Vehicles: Cluster Tests		
Year	VIN Char	Tests
2017	H - 5.0L (F-150)	• Key On Engine Off
2017 - 2019	M - 3.7L (Transit)	• Key On Engine Off
2017 - 2019	P - 2.7L (F-150)	• Key On Engine Off
2017 - 2019	S - 6.8L (E-Series)	• Key On Engine Off
2017 - 2019	T - 6.7L (F-Series Super Duty)	• Key On Engine Off
2017 - 2019	V - 3.2L (Transit)	• Key On Engine Off
2017	X - 1.6L (Transit Connect)	• Key On Engine Off
2017 - 2019	X - 6.7L (F-650 / F-750)	• Key On Engine Off
2017 - 2019	Y - 6.8L (F-650 / F-750)	• Key On Engine Off
2017 - 2019	Y - 6.8L (F-Series Super Duty)	• Key On Engine Off
2018 - 2019	1 - 3.0L (F-150)	• Key On Engine Off
2018 - 2019	5 - 5.0L (F-150)	• Key On Engine Off
2018 - 2019	B - 3.3L (F-150)	• Key On Engine Off

Supported Tests

Ford Vehicles: Steering Column Tests

Ford Vehicles: Steering Column Tests		
Year	VIN Char	Tests
2017 - 2019	6 - 6.2L (F-Series Super Duty)	• Key On Engine Off
2017 - 2019	C - 6.7L (F-650 / F-750)	• Key On Engine Off
2017 - 2019	E - 6.7L (F-650 / F-750)	• Key On Engine Off
2017 - 2019	G - 3.5L (F-150)	• Key On Engine Off
2017	H - 5.0L (F-150)	• Key On Engine Off
2017 - 2019	P - 2.7L (F-150)	• Key On Engine Off
2017 - 2019	T - 6.7L (F-Series Super Duty)	• Key On Engine Off
2017 - 2019	X - 6.7L (F-650 / F-750)	• Key On Engine Off
2017 - 2019	Y - 6.8L (F-650 / F-750)	• Key On Engine Off
2017 - 2019	Y - 6.8L (F-Series Super Duty)	• Key On Engine Off
2018 - 2019	1 - 3.0L (F-150)	• Key On Engine Off
2018 - 2019	5 - 5.0L (F-150)	• Key On Engine Off
2018 - 2019	B - 3.3L (F-150)	• Key On Engine Off

Supported Tests

Ford Vehicles: Restraint Tests

Ford Vehicles: Restraint Tests		
Year	VIN Char	Tests
2011 - 2014	6 - 6.2L (F-150)	• Key On Engine Off
2011 - 2016	6 - 6.2L (F-Series Super Duty)	• Key On Engine Off
2011 - 2014	F - 5.0L (F-150)	• Key On Engine Off
2011 - 2016	L - 5.4L (E-Series)	• Key On Engine Off
2011 - 2014	M - 3.7L (F-150)	• Key On Engine Off
2011 - 2016	S - 6.8L (E-Series)	• Key On Engine Off
2011 - 2014	T - 3.5L (F-150)	• Key On Engine Off
2011 - 2016	T - 6.7L (F-Series Super Duty)	• Key On Engine Off
2011 - 2014	W - 4.6L (E-Series)	• Key On Engine Off
2011 - 2016	Y - 6.8L (F-Series Super Duty)	• Key On Engine Off
2015 - 2016	G - 3.5L (Transit)	• Key On Engine Off
2015 - 2016	M - 3.7L (Transit)	• Key On Engine Off
2015 - 2016	V - 3.2L (Transit)	• Key On Engine Off
2017 - 2019	6 - 6.2L (E-Series)	• Key On Engine Off
2017 - 2019	6 - 6.2L (F-Series Super Duty)	• Key On Engine Off
2017 - 2018	7 - 2.5L (Transit Connect)	• Key On Engine Off
2017 - 2019	G - 3.5L (F-150)	• Key On Engine Off
2017 - 2019	G - 3.5L (Transit)	• Key On Engine Off
2017	H - 5.0L (F-150)	• Key On Engine Off
2017 - 2019	M - 3.7L (Transit)	• Key On Engine Off
2017 - 2019	P - 2.7L (F-150)	• Key On Engine Off
2017 - 2019	S - 6.8L (E-Series)	• Key On Engine Off
2017 - 2019	T - 6.7L (F-Series Super Duty)	• Key On Engine Off
2017 - 2019	V - 3.2L (Transit)	• Key On Engine Off
2017	X - 1.6L (Transit Connect)	• Key On Engine Off

Ford Vehicles: Restraint Tests		
Year	VIN Char	Tests
2017 - 2019	Y - 6.8L (F-Series Super Duty)	• Key On Engine Off
2018 - 2019	1 - 3.0L (F-150)	• Key On Engine Off
2018 - 2019	5 - 5.0L (F-150)	• Key On Engine Off
2018 - 2019	B - 3.3L (F-150)	• Key On Engine Off

Supported Tests

Ford Vehicles: Trailer Brake Tests

Ford Vehicles: Trailer Brake Tests		
Year	VIN Char	Tests
2017 - 2019	6 - 6.2L (E-Series)	• Key On Engine Off
2017 - 2019	6 - 6.2L (F-Series Super Duty)	• Key On Engine Off
2017 - 2018	G - 3.5L (F-150)	• Key On Engine Off
2017 - 2019	G - 3.5L (Transit)	• Key On Engine Off
2017	H - 5.0L (F-150)	• Key On Engine Off
2017 - 2019	M - 3.7L (Transit)	• Key On Engine Off
2017 - 2018	P - 2.7L (F-150)	• Key On Engine Off
2017 - 2019	S - 6.8L (E-Series)	• Key On Engine Off
2017 - 2019	T - 6.7L (F-Series Super Duty)	• Key On Engine Off
2017 - 2019	V - 3.2L (Transit)	• Key On Engine Off
2017 - 2019	Y - 6.8L (F-Series Super Duty)	• Key On Engine Off
2018	1 - 3.0L (F-150)	• Key On Engine Off
2018	5 - 5.0L (F-150)	• Key On Engine Off
2018	B - 3.3L (F-150)	• Key On Engine Off

Supported Tests

Ford Vehicles: Trailer Tests

Ford Vehicles: Trailer Tests		
Year	VIN Char	Tests
2017 - 2019	6 - 6.2L (F-Series Super Duty)	• Key On Engine Off
2017 - 2018	7 - 2.5L (Transit Connect)	• Key On Engine Off
2017 - 2018	G - 3.5L (F-150)	• Key On Engine Off
2017 - 2019	G - 3.5L (Transit)	• Key On Engine Off
2017	H - 5.0L (F-150)	• Key On Engine Off
2017 - 2019	M - 3.7L (Transit)	• Key On Engine Off
2017 - 2018	P - 2.7L (F-150)	• Key On Engine Off
2017 - 2019	T - 6.7L (F-Series Super Duty)	• Key On Engine Off
2017 - 2019	V - 3.2L (Transit)	• Key On Engine Off
2017	X - 1.6L (Transit Connect)	• Key On Engine Off
2017 - 2019	Y - 6.8L (F-Series Super Duty)	• Key On Engine Off
2018	1 - 3.0L (F-150)	• Key On Engine Off
2018	5 - 5.0L (F-150)	• Key On Engine Off
2018	B - 3.3L (F-150)	• Key On Engine Off

Supported Calibrations

Ford Vehicles: Engine Calibrations

Ford Vehicles: Engine Calibrations			
Year	VIN Char	Category	Tests
2011-2016	T - 6.7L (F-Series Super Duty)	Injector Quantity Adjustment	• Injector 1 Code • Injector 2 Code • Injector 3 Code • Injector 4 Code • Injector 5 Code • Injector 6 Code • Injector 7 Code • Injector 8 Code

Supported Tests

Navistar CV Truck: Engine Tests

Navistar CV Truck: Engine Tests		
Year	VIN Char	Tests
2019	M - 6.6L (L5D) CV	• All Cylinders Fuel Injector Correction Value Reset • Ambient Air Temperature Calculation Reset • BARO Sensor Reset Command • Brake Pedal Position Sensor Learn Command • Catalyst 1 Reset • CKP Variation Learn • Clutch Pedal Position Learn • Crankshaft Position Reluctor Ring Learned Values Reset • DPF Pressure Sensor Reset • DPF Reset • Engine Oil Life Reset • Exhaust Gas Temperature Sensor Reset • Fuel Composition Reset • Fuel Filter Life Reset • Fuel Injection Small Quantity Data Reset • Fuel Injector Correction Value Preset • Fuel Trim Learn • Fuel Trim Reset • HO2S Heater Learn • Idle Learn • NOx Catalyst Reductant Loading Reset • NOx Catalyst Reset • NOx Sensor 1 Reset • NOx Sensor 2 Reset • Reductant Fluid Tank Level Reset

Navistar CV Truck: Engine Tests		
Year	VIN Char	Tests
		• Reductant System Data Reset • Remote Vehicle Start Disable History Reset • Turbocharger Learn • A/C Compressor Clutch Relay Command • Compression Test • Cooling Fan Command • Cooling Fan Solenoid Valve Command • Cylinder 1 Glow Plug Command • Cylinder 2 Glow Plug Command • Cylinder 3 Glow Plug Command • Cylinder 4 Glow Plug Command • Cylinder 5 Glow Plug Command • Cylinder 6 Glow Plug Command • Cylinder 7 Glow Plug Command • Cylinder 8 Glow Plug Command • Depressurize Fuel System • DPF Regeneration Enable • DPF Service Regeneration • EGR Command • EGR Cooler Bypass Motor • EGR Cooler Bypass Valve Command • EGR Valve Command • Engine Controls Ignition Relay Command • Engine Oil Pressure Control Solenoid Valve • Engine Speed Command • Desired Throttle Position • EVAP Purge/Seal • EVAP Test Command • Exhaust Aftertreatment Fuel Injector Cleaning Procedure

Navistar CV Truck: Engine Tests		
Year	VIN Char	Tests
		• Exhaust Aftertreatment Fuel Injector Command • Exhaust Aftertreatment Fuel Injector Flow Test • EVAP Vent Solenoid Valve Command • EVAP Purge Solenoid Valve Command • Fuel Control Loop Status • Fuel Heater Relay Command • Fuel Pressure Command • Fuel Pressure Control - Regulator 1 • Fuel Pressure Control - Regulator 2 • Fuel Pump Relay Command • Fuel Pump 2 Relay Command • Fuel System High Pressure Test (Engine Runs) • Fuel Transfer Pump Relay Command • Generator L-Terminal • Glow Plug Self-Test Command • High Side Driver 1 Command • High Side Driver 2 Command • Idle Ignition Timing • Ignition Timing Retard • Malfunction Indicator Lamp (MIL) • Particulate Matter Sensor Regeneration • Reductant Heater 1 Command • Reductant Heater 2 Command • Reductant Injection Quantity Test • Reductant Injector Command • Reductant Pump Command • Reductant System Leak Test • Reductant System Malfunction Warning Service Bay Test • Starter Relay

Navistar CV Truck: Engine Tests		
Year	VIN Char	Tests
		• Throttle Sweep • Turbocharger Vane Position • Turbocharger Vane Position Command

Light and Medium Truck

Supported Tests

Navistar CV Truck: ABS Tests

Navistar CV Truck: ABS Tests		
Year	VIN Char	Tests
2019	M - 6.6L (L5D) CV	• ABS Pump Motor Voltage Command • Left Rear Inlet Solenoid Valve Command • Left Front Outlet Solenoid Valve Command • Left Front Inlet Solenoid Valve Command • Left Rear Outlet Solenoid Valve Command • Right Front Outlet Solenoid Valve Command • Right Rear Inlet Solenoid Valve Command • Right Front Inlet Solenoid Valve Command • Right Rear Outlet Solenoid Valve Command • ESP Solenoid Valves

Light and Medium Truck

Supported Tests

Navistar CV Truck: Cluster Tests

Navistar CV Truck: Cluster Tests		
Year	VIN Char	Tests
2019	M - 6.6L (L5D) CV	• Instrument Cluster Gauge Sweep

Supported Tests

Workhorse: Engine Tests

Workhorse: Engine Tests		
Year	VIN Char	Tests
1999	D - 4.8L (L20)	• Engine Oil Life Reset • CKP Variation Learn • CMP Actuator • CMP Actuator Solenoid • EC Ignition Relay • Fuel Injector Cutout • Fuel Pump Relay • GEN L-Terminal Control • Injector Balance • RPM Control • Spark Retard • Starter Relay • Throttle Position
2009 - 2012	D - 4.8L (L20)	• Engine Oil Life Reset • CKP Variation Learn • CMP Actuator • CMP Actuator Solenoid • EC Ignition Relay • Fuel Injector Cutout • Fuel Pump Relay • GEN L-Terminal Control • Injector Balance • RPM Control • Spark Retard • Starter Relay • Throttle Position

Workhorse: Engine Tests		
Year	VIN Char	Tests
1999 - 2000	J - 7.4L (L29)	- Fuel Injector Cutout - Malfunction Indicator Lamp - EGR Solenoid - Engine Speed Control - Fuel Level - Initiate Case Algorithm Learn Crank - A/C Relay
2009 - 2012	J - 7.4L (L29)	- Fuel Injector Cutout - Malfunction Indicator Lamp - EGR Solenoid - Engine Speed Control - Fuel Level - Initiate Case Algorithm Learn Crank - A/C Relay
1999 - 2004	R - 5.7L (L31)	- Fuel Injector Cutout - Malfunction Indicator Lamp - EGR Solenoid - Engine Speed Control - Fuel Level - Initiate Case Algorithm Learn Crank - A/C Relay
2009 - 2012	R - 5.7L (L31)	- Fuel Injector Cutout - Malfunction Indicator Lamp - EGR Solenoid - Engine Speed Control - Fuel Level - Initiate Case Algorithm Learn Crank - A/C Relay

Workhorse: Engine Tests		
Year	VIN Char	Tests
1999 - 2003	W - 4.3L (L35)	• Fuel Injector Cutout • Malfunction Indicator Lamp • EGR Solenoid • Engine Speed Control • Fuel Level • Initiate Case Algorithm Learn Crank • A/C Relay
2009 - 2012	W - 4.3L (L35)	• Fuel Injector Cutout • Malfunction Indicator Lamp • EGR Solenoid • Engine Speed Control • Fuel Level • Initiate Case Algorithm Learn Crank • A/C Relay
2000 - 2003	Y - 6.5L (L57)	• Glow Plug Relay • A/C Relay • PC Solenoid • TCC Control • Top Dead Center Learn • Glow Plug Learn • RPM Control • Fuel Injector Cutout • Fuel Pump Relay • STS Lamp • Boost Solenoid • Engine Shutoff Relay • Malfunction Indicator Lamp • Timing Set

Workhorse: Engine Tests		
Year	VIN Char	Tests
2001 - 2012	G - 8.1L (L18)	• Fuel Injector Cutout • Malfunction Indicator Lamp • Fuel Pump Relay • Loop Status • EGR Solenoid • Engine Speed Control • Engine Oil Life Reset
2003 - 2007	U - 6.0L (LQ4)	• Fuel Injector Cutout • Fuel Gauge • Fuel Trim Enable • A/C Relay • IAC RPM • Fuel Pump Relay • Loop Status • Vent Solenoid • O2S Heater Control • EGR Solenoid
2009 - 2012	U - 6.0L (LQ4)	• Fuel Injector Cutout • Fuel Gauge • Fuel Trim Enable • A/C Relay • IAC RPM • Fuel Pump Relay • Loop Status • Vent Solenoid • O2S Heater Control • EGR Solenoid

Workhorse: Engine Tests		
Year	VIN Char	Tests
2004 - 2005	X - 4.3L (LU3)	• Fuel Injector Cutout • Malfunction Indicator Lamp • EGR Solenoid • Engine Speed Control • Fuel Level • Initiate Case Algorithm Learn Crank • A/C Relay
2009 - 2012	X - 4.3L (LU3)	• Fuel Injector Cutout • Malfunction Indicator Lamp • EGR Solenoid • Engine Speed Control • Fuel Level • Initiate Case Algorithm Learn Crank • A/C Relay

Workhorse: Engine Tests		
Year	VIN Char	Tests
2005	2 - 6.6L (LLY)	• A/C Relay • Copy Injector Flow Rates From GPCM • Copy Injector Flow Rates To GPCM • EGR Valve • Exhaust Brake Control • Fuel Injector Cutout • Fuel Pressure Control • Fuel Transfer Pump / Fuel Lift Pump Relay • GEN L-Terminal Control • Glow Plug Lamp • Malfunction Indicator Lamp • PTO Relay Control • RPM Control • Turbocharger Vane Offset Learn • Turbocharger Vane Position

Workhorse: Engine Tests		
Year	VIN Char	Tests
2009 - 2012	2 - 6.6L (LLY)	• A/C Relay • Copy Injector Flow Rates From GPCM • Copy Injector Flow Rates To GPCM • EGR Valve • Exhaust Brake Control • Fuel Injector Cutout • Fuel Pressure Control • Fuel Transfer Pump / Fuel Lift Pump Relay • GEN L-Terminal Control • Glow Plug Lamp • Malfunction Indicator Lamp • PTO Relay Control • RPM Control • Turbocharger Vane Offset Learn • Turbocharger Vane Position
2009 - 2012	E - 6.0L (L96)	• Engine Oil Life Reset • CKP Variation Learn • CMP Actuator • CMP Actuator Solenoid • EC Ignition Relay • Fuel Injector Cutout • Fuel Pump Relay • GEN L-Terminal Control • Injector Balance • RPM Control • Spark Retard • Starter Relay • Throttle Position

Supported Tests

Workhorse: Transmission Tests

Workhorse: Transmission Tests			
Year	VIN Char	Type	Tests
2000 - 2007	E - 8.1L (L18)	4L80E	• 3-2 Downshift Solenoid • PC Solenoid • Gear Enable • TCC Enable • TCC Control Solenoid • TCC Control Solenoid Duty Cycle
2000 - 2007	G - 8.1L (L18)	4L80E	• 3-2 Downshift Solenoid • PC Solenoid • Gear Enable • TCC Enable • TCC Control Solenoid • TCC Control Solenoid Duty Cycle
2000	R - 5.7L (L31)	4L80E	• 3-2 Downshift Solenoid • TCC Enable Solenoid • TCC Control Solenoid • PC Solenoid • Initiate Case Algorithm Learn Crank • Gear Command

Workhorse: Transmission Tests			
Year	VIN Char	Type	Tests
2000	W - 4.3L (L35)	4L80E	• 3-2 Downshift Solenoid • TCC Enable Solenoid • TCC Control Solenoid • PC Solenoid • Initiate Case Algorithm Learn Crank • Gear Command
2000	X - 4.3L (LU3)	4L80E	• 3-2 Downshift Solenoid • TCC Enable Solenoid • TCC Control Solenoid • PC Solenoid • Initiate Case Algorithm Learn Crank • Gear Command

Workhorse: Transmission Tests			
Year	VIN Char	Type	Tests
2000	E - 8.1L (L18)	Allison 2400	• Trans Fault Lamp Enable • TCC Control Enable • Pressure Control Solenoid A • Pressure Control Solenoid B • Shift Solenoid C • Shift Solenoid D • Shift Solenoid E • 1-2 Clear Adapts to Fast + Base • 2-1 Clear Adapts to Fast + Base • 2-3 Clear Adapts to Fast + Base • 3-2 Clear Adapts to Fast + Base • 3-4 Clear Adapts to Fast + Base • 4-3 Clear Adapts to Fast + Base • 4-5 Clear Adapts to Fast + Base • 5-4 Clear Adapts to Fast + Base • Clear Garage Shift Adapts to Fast + Base • Clear All Adapts to Fast

Workhorse: Transmission Tests			
Year	VIN Char	Type	Tests
2000	G - 8.1L (L18)	Allison 2400	• Trans Fault Lamp Enable • TCC Control Enable • Pressure Control Solenoid A • Pressure Control Solenoid B • Shift Solenoid C • Shift Solenoid D • Shift Solenoid E • 1-2 Clear Adapts to Fast + Base • 2-1 Clear Adapts to Fast + Base • 2-3 Clear Adapts to Fast + Base • 3-2 Clear Adapts to Fast + Base • 3-4 Clear Adapts to Fast + Base • 4-3 Clear Adapts to Fast + Base • 4-5 Clear Adapts to Fast + Base • 5-4 Clear Adapts to Fast + Base • Clear Garage Shift Adapts to Fast + Base • Clear All Adapts to Fast

Workhorse: Transmission Tests			
Year	VIN Char	Type	Tests
2001 - 2005	E - 8.1L (L18)	Allison 1K/2K/2400	• Trans Fault Lamp Enable • TCC Control Enable • Pressure Control Solenoid A • Pressure Control Solenoid B • Shift Solenoid C • Shift Solenoid D • Shift Solenoid E • 1-2 Clear Adapts to Fast + Base • 2-1 Clear Adapts to Fast + Base • 2-3 Clear Adapts to Fast + Base • 3-2 Clear Adapts to Fast + Base • 3-4 Clear Adapts to Fast + Base • 4-3 Clear Adapts to Fast + Base • 4-5 Clear Adapts to Fast + Base • 5-4 Clear Adapts to Fast + Base • Clear Garage Shift Adapts to Fast + Base • Clear All Adapts to Fast

Workhorse: Transmission Tests			
Year	VIN Char	Type	Tests
2001 - 2005	G - 8.1L (L18)	Allison 1K/2K/2400	• Trans Fault Lamp Enable • TCC Control Enable • Pressure Control Solenoid A • Pressure Control Solenoid B • Shift Solenoid C • Shift Solenoid D • Shift Solenoid E • 1-2 Clear Adapts to Fast + Base • 2-1 Clear Adapts to Fast + Base • 2-3 Clear Adapts to Fast + Base • 3-2 Clear Adapts to Fast + Base • 3-4 Clear Adapts to Fast + Base • 4-3 Clear Adapts to Fast + Base • 4-5 Clear Adapts to Fast + Base • 5-4 Clear Adapts to Fast + Base • Clear Garage Shift Adapts to Fast + Base • Clear All Adapts to Fast
2002	R - 5.7L (L31)	4L80E	• 1-2 Shift Solenoid • 2-3 Shift Solenoid • 3-2 Downshift Solenoid • PC Solenoid • TCC Enable
2002	W - 4.3L (L35)	4L80E	• 1-2 Shift Solenoid • 2-3 Shift Solenoid • 3-2 Downshift Solenoid • PC Solenoid • TCC Enable

Workhorse: Transmission Tests			
Year	VIN Char	Type	Tests
2002	X - 4.3L (LU3)	4L80E	• 1-2 Shift Solenoid • 2-3 Shift Solenoid • 3-2 Downshift Solenoid • PC Solenoid • TCC Enable
2002 - 2004	1 - 6.6L (LB7)	Allison 1K/2K/2400	• Trans Fault Lamp Enable • TCC Control Enable • Pressure Control Solenoid A • Pressure Control Solenoid B • Shift Solenoid C • Shift Solenoid D • Shift Solenoid E • 1-2 Clear Adapts to Fast + Base • 2-1 Clear Adapts to Fast + Base • 2-3 Clear Adapts to Fast + Base • 3-2 Clear Adapts to Fast + Base • 3-4 Clear Adapts to Fast + Base • 4-3 Clear Adapts to Fast + Base • 4-5 Clear Adapts to Fast + Base • 5-4 Clear Adapts to Fast + Base • Clear Garage Shift Adapts to Fast + Base • Clear All Adapts to Fast
2003	N - 6.0L (LQ9)	4L80E	• 1-2 Shift Solenoid • 2-3 Shift Solenoid • 3-2 Downshift Solenoid • PC Solenoid • TCC Control Solenoid

Workhorse: Transmission Tests			
Year	VIN Char	Type	Tests
2003	U - 6.0L (LQ4)	4L80E	• 1-2 Shift Solenoid • 2-3 Shift Solenoid • 3-2 Downshift Solenoid • PC Solenoid • TCC Control Solenoid
2003	V - 4.8L (LR4)	4L80E	• 1-2 Shift Solenoid • 2-3 Shift Solenoid • 3-2 Downshift Solenoid • PC Solenoid • TCC Enable
2004	N - 6.0L (LQ9)	4L60E	• 3-2 Downshift Solenoid • PC Solenoid • Gear Enable • TCC Control Solenoid • TCC Enable Solenoid
2004	U - 6.0L (LQ4)	4L60E	• 3-2 Downshift Solenoid • PC Solenoid • Gear Enable • TCC Control Solenoid • TCC Enable Solenoid
2004	V - 4.8L (LR4)	4L60E	• 3-2 Downshift Solenoid • PC Solenoid • Gear Enable • TCC Control Solenoid • TCC Enable Solenoid

Workhorse: Transmission Tests			
Year	VIN Char	Type	Tests
2004	U - 6.0L (LQ4)	4L80E	• 3-2 Downshift Solenoid • PC Solenoid • Gear Enable • TCC Control Solenoid • TCC Enable Solenoid
2004	V - 4.8L (LR4)	4L80E	• 3-2 Downshift Solenoid • PC Solenoid • Gear Enable • TCC Control Solenoid • TCC Enable Solenoid
2004 - 2005	2 - 6.6L (LLY)	Allison 1K/2K/2400	• Trans Fault Lamp Enable • TCC Control Enable • Pressure Control Solenoid A • Pressure Control Solenoid B • Shift Solenoid C • Shift Solenoid D • Shift Solenoid E • 1-2 Clear Adapts to Fast + Base • 2-1 Clear Adapts to Fast + Base • 2-3 Clear Adapts to Fast + Base • 3-2 Clear Adapts to Fast + Base • 3-4 Clear Adapts to Fast + Base • 4-3 Clear Adapts to Fast + Base • 4-5 Clear Adapts to Fast + Base • 5-4 Clear Adapts to Fast + Base • Clear Garage Shift Adapts to Fast + Base • Clear All Adapts to Fast

Workhorse: Transmission Tests			
Year	VIN Char	Type	Tests
2004 - 2005	3 - 7.8L (LG4)	Allison 1K/2K/2400	• Trans Fault Lamp Enable • TCC Control Enable • Pressure Control Solenoid A • Pressure Control Solenoid B • Shift Solenoid C • Shift Solenoid D • Shift Solenoid E • 1-2 Clear Adapts to Fast + Base • 2-1 Clear Adapts to Fast + Base • 2-3 Clear Adapts to Fast + Base • 3-2 Clear Adapts to Fast + Base • 3-4 Clear Adapts to Fast + Base • 4-3 Clear Adapts to Fast + Base • 4-5 Clear Adapts to Fast + Base • 5-4 Clear Adapts to Fast + Base • Clear Garage Shift Adapts to Fast + Base • Clear All Adapts to Fast
2005	U - 6.0L (LQ4)	4L80E	• 3-2 Downshift Solenoid • PC Solenoid • Gear Enable • TCC Control Solenoid
2005	V - 4.8L (LR4)	4L80E	• 3-2 Downshift Solenoid • PC Solenoid • Gear Enable • TCC Control Solenoid
2006 - 2007	2 - 6.6L (LLY)	4L80E	• Commanded Gear
2006 - 2007	3 - 7.8L (LG4)	4L80E	• Commanded Gear
2006	D - 6.6L (LBZ)	4L80E	• Commanded Gear

Workhorse: Transmission Tests			
Year	VIN Char	Type	Tests
2006 - 2007	F - 6.5L (L65)	4L80E	• Commanded Gear
2006 - 2007	U - 6.0L (LQ4)	4L80E	• 3-2 Downshift Solenoid • PC Solenoid • Gear Enable • TCC Enable • TCC Control Solenoid • TCC Control Solenoid Duty Cycle
2006 - 2007	V - 4.8L (LR4)	4L80E	• 3-2 Downshift Solenoid • PC Solenoid • Gear Enable • TCC Enable • TCC Control Solenoid • TCC Control Solenoid Duty Cycle

Workhorse: Transmission Tests			
Year	VIN Char	Type	Tests
2006 - 2007	2 - 6.6L (LLY)	Allison 1K/2K/2400	• 1-2 Clear Adapts to Fast + Base • 2-1 Clear Adapts to Fast + Base • 2-3 Clear Adapts to Fast + Base • 3-2 Clear Adapts to Fast + Base • 3-4 Clear Adapts to Fast + Base • 4-3 Clear Adapts to Fast + Base • 4-5 Clear Adapts to Fast + Base • 5-4 Clear Adapts to Fast + Base • 5-6 Clear Adapts to Fast + Base • 6-5 Clear Adapts to Fast + Base • Check Transmission Lamp • Clear All Garage Shift Adapts to Fast + Base • Clear All Shift Adapts to Fast • Commanded Gear • Line / Modulated Main PC Solenoid • PC Solenoid 1 Control • PC Solenoid 2 Control • Preset All Shift Adapts to Fast • Shift Solenoid 1 • Shift Solenoid 2 • Shift Solenoid 3 • Torque Converter Clutch Control

Workhorse: Transmission Tests			
Year	VIN Char	Type	Tests
2006	3 - 7.8L (LG4, Early Model)	Allison 1K/2K/2400	• Trans Fault Lamp Enable • TCC Control Enable • Pressure Control Solenoid A • Pressure Control Solenoid B • Shift Solenoid C • Shift Solenoid D • Shift Solenoid E • 1-2 Clear Adapts to Fast + Base • 2-1 Clear Adapts to Fast + Base • 2-3 Clear Adapts to Fast + Base • 3-2 Clear Adapts to Fast + Base • 3-4 Clear Adapts to Fast + Base • 4-3 Clear Adapts to Fast + Base • 4-5 Clear Adapts to Fast + Base • 5-4 Clear Adapts to Fast + Base • Clear Garage Shift Adapts to Fast + Base • Clear All Adapts to Fast

Workhorse: Transmission Tests			
Year	VIN Char	Type	Tests
2006	3 - 7.8L (LG4, Late Model)	Allison 1K/2K/2400	• 1-2 Clear Adapts to Fast + Base • 2-1 Clear Adapts to Fast + Base • 2-3 Clear Adapts to Fast + Base • 3-2 Clear Adapts to Fast + Base • 3-4 Clear Adapts to Fast + Base • 4-3 Clear Adapts to Fast + Base • 4-5 Clear Adapts to Fast + Base • 5-4 Clear Adapts to Fast + Base • 5-6 Clear Adapts to Fast + Base • 6-5 Clear Adapts to Fast + Base • Check Transmission Lamp • Clear All Garage Shift Adapts to Fast + Base • Clear All Shift Adapts to Fast • Commanded Gear • Line / Modulated Main PC Solenoid • PC Solenoid 1 Control • PC Solenoid 2 Control • Preset All Shift Adapts to Fast • Shift Solenoid 1 • Shift Solenoid 2 • Shift Solenoid 3 • Torque Converter Clutch Control

Workhorse: Transmission Tests			
Year	VIN Char	Type	Tests
2006	D - 6.6L (LBZ)	Allison 1K/2K/2400	• 1-2 Clear Adapts to Fast + Base • 2-1 Clear Adapts to Fast + Base • 2-3 Clear Adapts to Fast + Base • 3-2 Clear Adapts to Fast + Base • 3-4 Clear Adapts to Fast + Base • 4-3 Clear Adapts to Fast + Base • 4-5 Clear Adapts to Fast + Base • 5-4 Clear Adapts to Fast + Base • 5-6 Clear Adapts to Fast + Base • 6-5 Clear Adapts to Fast + Base • Check Transmission Lamp • Clear All Garage Shift Adapts to Fast + Base • Clear All Shift Adapts to Fast • Commanded Gear • Line / Modulated Main PC Solenoid • PC Solenoid 1 Control • PC Solenoid 2 Control • Preset All Shift Adapts to Fast • Shift Solenoid 1 • Shift Solenoid 2 • Shift Solenoid 3 • Torque Converter Clutch Control

Workhorse: Transmission Tests			
Year	VIN Char	Type	Tests
2006 - 2009	G - 8.1L (L18)	Allison 1K/2K/2400	• 1-2 Clear Adapts to Fast + Base • 2-1 Clear Adapts to Fast + Base • 2-3 Clear Adapts to Fast + Base • 3-2 Clear Adapts to Fast + Base • 3-4 Clear Adapts to Fast + Base • 4-3 Clear Adapts to Fast + Base • 4-5 Clear Adapts to Fast + Base • 5-4 Clear Adapts to Fast + Base • 5-6 Clear Adapts to Fast + Base • 6-5 Clear Adapts to Fast + Base • Check Transmission Lamp • Clear All Garage Shift Adapts to Fast + Base • Clear All Shift Adapts to Fast • Commanded Gear • Line / Modulated Main PC Solenoid • PC Solenoid 1 Control • PC Solenoid 2 Control • Preset All Shift Adapts to Fast • Shift Solenoid 1 • Shift Solenoid 2 • Shift Solenoid 3 • Torque Converter Clutch Control
2007 - 2009	6 - 6.6L (LMM)	4L80E	• Commanded Gear
2007 - 2009	9 - 6.6L (LMM)	4L80E	• Commanded Gear

Workhorse: Transmission Tests			
Year	VIN Char	Type	Tests
2007	3 - 7.8L (LG4)	Allison 1K/2K/2400	• 1-2 Clear Adapts to Fast + Base • 2-1 Clear Adapts to Fast + Base • 2-3 Clear Adapts to Fast + Base • 3-2 Clear Adapts to Fast + Base • 3-4 Clear Adapts to Fast + Base • 4-3 Clear Adapts to Fast + Base • 4-5 Clear Adapts to Fast + Base • 5-4 Clear Adapts to Fast + Base • 5-6 Clear Adapts to Fast + Base • 6-5 Clear Adapts to Fast + Base • Check Transmission Lamp • Clear All Garage Shift Adapts to Fast + Base • Clear All Shift Adapts to Fast • Commanded Gear • Line / Modulated Main PC Solenoid • PC Solenoid 1 Control • PC Solenoid 2 Control • Preset All Shift Adapts to Fast • Shift Solenoid 1 • Shift Solenoid 2 • Shift Solenoid 3 • Torque Converter Clutch Control

Workhorse: Transmission Tests			
Year	VIN Char	Type	Tests
2007 - 2010	6 - 6.6L (LMM)	Allison 1K/2K/2400	• 1-2 Clear Adapts to Fast + Base • 2-1 Clear Adapts to Fast + Base • 2-3 Clear Adapts to Fast + Base • 3-2 Clear Adapts to Fast + Base • 3-4 Clear Adapts to Fast + Base • 4-3 Clear Adapts to Fast + Base • 4-5 Clear Adapts to Fast + Base • 5-4 Clear Adapts to Fast + Base • 5-6 Clear Adapts to Fast + Base • 6-5 Clear Adapts to Fast + Base • Check Transmission Lamp • Clear All Garage Shift Adapts to Fast + Base • Clear All Shift Adapts to Fast • Commanded Gear • Line / Modulated Main PC Solenoid • PC Solenoid 1 Control • PC Solenoid 2 Control • Preset All Shift Adapts to Fast • Shift Solenoid 1 • Shift Solenoid 2 • Shift Solenoid 3 • Torque Converter Clutch Control

Workhorse: Transmission Tests			
Year	VIN Char	Type	Tests
2007 - 2009	9 - 6.6L (LMM)	Allison 1K/2K/2400	• 1-2 Clear Adapts to Fast + Base • 2-1 Clear Adapts to Fast + Base • 2-3 Clear Adapts to Fast + Base • 3-2 Clear Adapts to Fast + Base • 3-4 Clear Adapts to Fast + Base • 4-3 Clear Adapts to Fast + Base • 4-5 Clear Adapts to Fast + Base • 5-4 Clear Adapts to Fast + Base • 5-6 Clear Adapts to Fast + Base • 6-5 Clear Adapts to Fast + Base • Check Transmission Lamp • Clear All Garage Shift Adapts to Fast + Base • Clear All Shift Adapts to Fast • Commanded Gear • Line / Modulated Main PC Solenoid • PC Solenoid 1 Control • PC Solenoid 2 Control • Preset All Shift Adapts to Fast • Shift Solenoid 1 • Shift Solenoid 2 • Shift Solenoid 3 • Torque Converter Clutch Control
2008	5 - 5.3L (LMF)	4L80E	• Commanded Gear
2008 - 2009	B - 7.8L (LF8)	4L80E	• Commanded Gear
2008	C - 4.8L (LY2)	4L80E	• Commanded Gear
2008 - 2009	G - 8.1L (L18)	4L80E	• Trans Fault Lamp Enable
2008	K - 6.0L (LY6)	4L80E	• Commanded Gear
2008	X - 4.3L (LU3)	4L80E	• Commanded Gear

Workhorse: Transmission Tests			
Year	VIN Char	Type	Tests
2008 - 2009	B - 7.8L (LF8)	Allison 1K/2K/2400	• 1-2 Clear Adapts to Fast + Base • 2-1 Clear Adapts to Fast + Base • 2-3 Clear Adapts to Fast + Base • 3-2 Clear Adapts to Fast + Base • 3-4 Clear Adapts to Fast + Base • 4-3 Clear Adapts to Fast + Base • 4-5 Clear Adapts to Fast + Base • 5-4 Clear Adapts to Fast + Base • 5-6 Clear Adapts to Fast + Base • 6-5 Clear Adapts to Fast + Base • Check Transmission Lamp • Clear All Garage Shift Adapts to Fast + Base • Clear All Shift Adapts to Fast • Commanded Gear • Line / Modulated Main PC Solenoid • PC Solenoid 1 Control • PC Solenoid 2 Control • Preset All Shift Adapts to Fast • Shift Solenoid 1 • Shift Solenoid 2 • Shift Solenoid 3 • Torque Converter Clutch Control
2010	6 - 6.6L (LMM)	6L80E	• Commanded Gear • PC Solenoid 2 Control

Workhorse: Transmission Tests			
Year	VIN Char	Type	Tests
2011 - 2012	4L60E		• Commanded Gear • High Side Driver Control • Line PC Solenoid • Line PC Solenoid • PC Solenoid 2 Pressure Control • PC Solenoid 3 Pressure Control • PC Solenoid 4 Pressure Control • PC Solenoid 5 Pressure Control • Shift Solenoid 1 • Shift Solenoid 2 • Transmission Oil Life Reset
2011 - 2012	6L80E		• Commanded Gear • High Side Driver Control • Line PC Solenoid • Line PC Solenoid • PC Solenoid 2 Pressure Control • PC Solenoid 3 Pressure Control • PC Solenoid 4 Pressure Control • PC Solenoid 5 Pressure Control • Shift Solenoid 1 • Shift Solenoid 2 • Transmission Oil Life Reset

Workhorse: Transmission Tests			
Year	VIN Char	Type	Tests
2011 - 2012	6L90E		• Commanded Gear • High Side Driver Control • Line PC Solenoid • Line PC Solenoid • PC Solenoid 2 Pressure Control • PC Solenoid 3 Pressure Control • PC Solenoid 4 Pressure Control • PC Solenoid 5 Pressure Control • Shift Solenoid 1 • Shift Solenoid 2 • Transmission Oil Life Reset
2011 - 2012	Allison 1K/2K/2400		• Commanded Gear • Modulated Main Pressure Control Solenoid • PC Solenoid 1 Control • PC Solenoid 2 Control • Reset Transmission Adapts • Shift Solenoid 1 • Shift Solenoid 2 • Shift Solenoid 3 • Torque Converter Clutch Control

Supported Tests

Workhorse: ABS Tests

Workhorse: ABS Tests			
Year	Type	VIN Character	Tests
1999 - 2003	3WAL ABS		Brake Bleed
1999 - 2001	4WAL 3 Sensors ABS (Late Model)		Brake Bleed
1999 - 2003	4WAL 4 Sensors ABS (Early Model)		Brake Bleed
2001 - 2003	4WAL 4 Sensors ABS (Late Model)		Brake Bleed
2005 - 2007	4WAL 4 Sensors ABS (Late Model)		Brake Bleed
2002 - 2007	4WAL 3 Sensors (Late Model: GVW < 8600)		Brake Bleed
2002 - 2007	4WAL 3 Sensors (Late Model: GVW > 8600)		Brake Bleed
2004	3WAL		Brake Bleed
2004	4WAL 4 Sensors (Early Model)		Brake Bleed
2004	4WAL 4 Sensors (Late Model: Light Duty)		Brake Bleed
2004	4WAL 4 Sensors (Late Model: Medium Duty)		Brake Bleed
2008 - 2009	4WAL (GVW < 8600) w/ VSES (JL4)		- ABS Motor - Brake Bleed - LF Inlet Valve Solenoid - LF Outlet Valve Solenoid - LR Inlet Valve Solenoid - LR Outlet Valve Solenoid - RF Inlet Valve Solenoid - RF Outlet Valve Solenoid - RR Inlet Valve Solenoid - RR Outlet Valve Solenoid

Workhorse: ABS Tests			
Year	Type	VIN Character	Tests
2008 - 2009	4WAL (GVW < 8600) w/o VSES (JL4)		• ABS Motor • Brake Bleed • LF Inlet Valve Solenoid • LF Outlet Valve Solenoid • Rear Inlet Valve Solenoid • Rear Outlet Valve Solenoid • RF Inlet Valve Solenoid • RF Outlet Valve Solenoid
2008 - 2009	4WAL (GVW < 8600) w/o VSES (JL4)		• ABS Motor • Brake Bleed • LF Inlet Valve Solenoid • LF Outlet Valve Solenoid • LR Inlet Valve Solenoid • LR Outlet Valve Solenoid • RF Inlet Valve Solenoid • RF Outlet Valve Solenoid • RR Inlet Valve Solenoid • RR Outlet Valve Solenoid
2008	4WAL (GVW > 8600) w/o VSES (JL4)	9 - 6.6L (LMM)	• Brake Bleed

Workhorse: ABS Tests			
Year	Type	VIN Character	Tests
2008 - 2009	4WAL (GVW > 8600) w/o VSES (JL4)		• ABS Motor • Brake Bleed • LF Inlet Valve Solenoid • LF Outlet Valve Solenoid • Rear Inlet Valve Solenoid • Rear Outlet Valve Solenoid • RF Inlet Valve Solenoid • RF Outlet Valve Solenoid
2008 - 2009	6 - 5.2L (1L5)	4WAL ABS	• Brake Bleed
2008 - 2009	6 - 6.6L (LMM)	4WAL ABS	• Brake Bleed
2008 - 2009	9 - 6.6L (LMM)	4WAL ABS	• Brake Bleed
2008 - 2009	K - 6.0L (LY6)	4WAL ABS	• Brake Bleed
2008 - 2009	L - 5.3L (LH8)	4WAL ABS	• Brake Bleed
2008 - 2009	Other	4WAL ABS	• Brake Bleed
2009	C - 4.8L (LY2)	4WAL ABS	• Brake Bleed
2010	4WAL (Full Size Van GVW < 8600)		• Brake Bleed
2010 - 2012	4WAL (GVW < 8600) w/ VSES (JL4)		• ABS Motor • Brake Bleed • LF Inlet Valve Solenoid • LF Outlet Valve Solenoid • LR Inlet Valve Solenoid • LR Outlet Valve Solenoid • RF Inlet Valve Solenoid • RF Outlet Valve Solenoid • RR Inlet Valve Solenoid • RR Outlet Valve Solenoid

Workhorse: ABS Tests			
Year	Type	VIN Character	Tests
2010 - 2012	4WAL (GVW < 8600) w/o VSES (JL4)		• ABS Motor • Brake Bleed • LF Inlet Valve Solenoid • LF Outlet Valve Solenoid • Rear Inlet Valve Solenoid • Rear Outlet Valve Solenoid • RF Inlet Valve Solenoid • RF Outlet Valve Solenoid
2010 - 2012	4WAL (GVW > 8600) w/ VSES (JL4)		• ABS Motor • Brake Bleed • LF Inlet Valve Solenoid • LF Outlet Valve Solenoid • LR Inlet Valve Solenoid • LR Outlet Valve Solenoid • RF Inlet Valve Solenoid • RF Outlet Valve Solenoid • RR Inlet Valve Solenoid • RR Outlet Valve Solenoid
2010 - 2012	4WAL (GVW > 8600) w/o VSES (JL4)		• ABS Motor • Brake Bleed • LF Inlet Valve Solenoid • LF Outlet Valve Solenoid • Rear Inlet Valve Solenoid • Rear Outlet Valve Solenoid • RF Inlet Valve Solenoid • RF Outlet Valve Solenoid

Workhorse: ABS Tests			
Year	Type	VIN Character	Tests
2010	4WAL (Full Size Pickup Truck GVW < 8600)		• Brake Bleed