

# INSITE 8.5.0 Features Notes

The latest INSITE information can be found on the website:

<https://www.cummins.com/support/digital-products-and-services-support>

For technical support, please either call 1-800-CUMMINS or send an email to

[servicetoolsupport@cummins.com](mailto:servicetoolsupport@cummins.com).

To locate the nearest distributor, visit this website:

<https://locator.cummins.com>

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# 1. General Information

## 1.1 Upgrade Capability

Upgrade from INSITE 8.4.x

# 2. New Base Features

**NOTE:** No new Advanced ECM Data have been implemented.

# 3. New Diagnostic Tests

**NOTE:** These will only display if supported and enabled in the calibration

## 3.1 Aftertreatment SCR System Cleaning

Allows initiating a cleaning of the Aftertreatment SCR System on a multi-module configuration.

## 3.2 Fuel Level Override Test

Overrides the fuel level value to check if the fuel gauge reflects the correct fuel level and allows adjustment of fuel level when test is running.

## 3.3 Shut Off Valve Solenoid Actuator Test

Tests the function of the Shut-Off Valve Solenoid. The user can visually check the valve and solenoid operation while the test running.

# 4. New Advanced ECM Data

**NOTE:** These will only display if supported and enabled in the calibration

## 4.1 Aftertreatment SCR System Health Monitor

Allows monitoring of several different parameters including aftertreatment requests, Low Level/Moderate level counters, timers and white smoke status in order to manage heat in the engine. Can also be used to reset the SCR Catalyst parameters.

## 4.2 Aftertreatment SCR Regeneration History

Stores and displays historical data from recent SCR regenerations.

### **4.3 Aftertreatment DPF Passive Desoot Assist Time**

Stores and displays historical data associated with the Maximum Aftertreatment Diesel Particulate Filter Soot Load and Maximum Aftertreatment Diesel Particulate Filter Outlet Temperature conditions.

## **5. New Features and Parameters**

**NOTE:** These will only display if supported and enabled in the calibration

### **5.1 Drive Away Protection**

Provides the status of FDS Drive Away Protection Lamp for Agility Starter Lockout feature.

### **5.2 Low Temperature Coolant Level**

Allows monitoring of the Low Temperature Coolant Level.

### **5.3 Auto Selected Fuel Density**

Provides the ability to monitor auto selected fuel density for natural gas fuel delivery system fuel level calculation.

### **5.4 Viscous Fan Drive Ratio**

Provides Fan Drive Ratio Control adjustments for specific viscous fan types in the Fan Control feature.

### **5.5 Push Button Start and Shutdown**

Provides the ability to configure start and shutdown enable for Push Button Start and selection between datalink or hardwired push button types.

### **5.6 Remote PTO Service Brake and Clutch Override**

Allows disabling of Remote PTO by pressing the Service Brake or Clutch Switch.

### **5.7 Maximum Vehicle Speed Switch Configuration**

Allows use of Switch and Switch2 to set a switched limit for maximum vehicle speed.

### **5.8 Maximum Vehicle Speed Multiplexing**

Allows inputs via the datalink instead of a physical ECM input.

### **5.9 Engine Ventilation**

Provides interface for the ventilation feature on gas engines.

### **5.10 Oil Filter Type**

Allows selection if a Spin-On or Eliminator oil filter is installed on the engine.

### **5.11 Fuel Usage Adjustment**

Allows adjustment of the ECM Fuel Usage reading to correct for any deviation from the actual fuel usage.

### **5.12 Fuel Level Configuration**

Allows adjustment of settings for the fuel level and fuel characteristics in natural gas fuel delivery systems.

### **5.13 Maximum Vehicle Speed Switch Configuration**

Allows use of Switch1 and Switch2 to set switched limit for maximum vehicle speed.

## **6. New Product Support**

ISM11 CM876 M103

X15 CM2350 X132C

Z13 NSV 2150E IAT

X14N CM2451

ISX15 CM2350 X129

QSX15 CM2350 X130