

New Features for INSITE 8.1.0

See **INSITE Release Notes** for issues with the current and previous releases.

Contact the local Cummins Distributor to register your new INSITE and receive Activation Keys for the Basic and Functional Licenses.

The latest INSITE information can be found on the website <http://insite.cummins.com>

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A. General Information

1. Installation and Compatibility

a. Upgrade capability -

Upgrade from INSITE 8.0.0 or higher

B. INSITE Base Features

1. INSITE 8.1.0 Image Analyzer

INSITE 8.1.0 Image Analyzer has been expanded to include:

Sensor Monitor Parameters

2. Reset Fault Codes Button

For all EPA engines prior to 2007, only *inactive* fault codes will be reset.

For all EPA 2007 engines later than 2007, *all* fault codes will be reset.

3. Work Order Button

Beginning with INSITE version 8.1, the Work Order button label on the INSITE Sidebar will be changed to the following:

- Work Orders**
- ECM Images**
- ECM Templates**

4. Calibration Selection

Programmable Datalink Device (PDD) Calibrations:

- PDD selection button has been combined with ECM
- Calibrations for PDD now use the same process as the calibrations for ECM
- PDD Calibration codes can now be placed in the Calibration Workspace

5. Monitors

Feature Name Changes	
Old Name	New Name
Diesel Exhaust Fluid Line Heater 4 Relay	Diesel Exhaust Fluid Dosing Unit Heater Relay
Aftertreatment Diesel Exhaust Fluid Line Heater 4 Status	Aftertreatment Diesel Exhaust Fluid Dosing Unit Heater Status

NOTE: *These items will only be displayed if they are supported by the calibration being used.*

- Fuel Regulator Intake Pressure
- Aftertreatment System Operating State
- Exhaust Air Throttle Position
- Exhaust Air Throttle Position Commanded
- Exhaust Air Throttle Sensor Voltage
- Air Shut Off Valve Fault Acknowledgement Switch Status
- Air Shut Off Valve Time Since Maintenance Reset
- Final Fueling
- Net Engine Torque
- Reversible Fan Default Position
- Heat Exchanger Debris Purge Force Switch
- Heat Exchanger Debris Purge Inhibit Switch
- Auxiliary Temperature Sensor 3

C. New Features

NOTE: *These items will only be displayed if they are supported by the calibration being used.*

1. New Diagnostic Tests

If supported by the calibration, new tests include:

a) **Aftertreatment Diesel Exhaust Fluid Pump Heater Test**

This test will check the Diesel Exhaust Fluid Pump Heating System health including pump heater relay, heater coil, and two temperature sensors.

b) **Aftertreatment SCR System Test**

The Aftertreatment SCR System test can be used to monitor the status of the Aftertreatment SCR Catalyst Outlet NOx Sensor and the Aftertreatment SCR Catalyst.

2. Advanced ECM Data

a) **Prelube Control Feature**

The Prelube Control feature is to pre-lubricate the engine periodically and/or prior to start, as needed to prevent engine damage.

b) **Dual Fueling Table Override**

The Dual Fueling Override feature allows for the override of the performance tables from Diesel Only to Dual Fueling mode. This feature does not control the flow of fuel.

3. Features & Parameters

a) **Exhaust and Compression Combined Brake**

This feature is designed to allow the user to select the 2 Level Combined Brake or 3 Level Combined Brake. There are 2 switches in the cab can be used to activate which level is needed based on the Combined Brake Type selected.

b) **Reversible Fan Inhibit Threshold**

This feature will provide the interface to configure and monitor Reversible Fan.

c) **Coast Idle Speed**

This feature allows the user to set the Engine Idle Speed while coasting.

d) Engine Overload Protection

This feature monitors engine overload operating states and will set an error if there are overload running conditions.

e) Auxiliary Temperature 3

This feature can enable the Auxiliary Temperature Sensor 3 and set the temperature threshold which would cause a speed or torque derate.

f) Torque Control

This feature allows the user to select different types of speed torque. Each type gives a different torque curve.

g) Engine Protection

This feature has been expanded to enable/disable the engine speed and torque derate for the water in fuel, water in fuel 2, and auxiliary temperature 3 features.

D. Languages Supported:

English

1. New Languages Supported:

- Czech
- Greek

2. Limited Translation:

- Chinese (Simplified)
- Danish
- Dutch
- Finnish
- French
- German
- Indonesian
- Italian
- Hungarian
- Japanese
- Korean
- Norwegian
- Polish
- Portuguese
- Romanian
- Russian
- Spanish
- Swedish

E. Operating System Support

Windows® 7 32-bit and 64-bit

Windows® 8 32-bit and 64-bit

Windows® 8.1 32-bit and 64-bit

F. Recommended PC Requirements

COMPONENT	REQUIREMENTS (Recommended for new hardware purchases)
Platform:	IBM or 100% Compatible
Operating System:	Windows 8 32-bit
Processor:	2.1 GHz or greater dual-core
RAM Memory:	4 GB or greater
Hard Drive:	2 GB or greater available disk space
Media Device:	Dual Layer - Double Density DVD-ROM
Display:	Minimum Resolution 1024 x 768
Keyboard:	101 Key Enhanced
Pointing Device:	Windows Compatible Device
Multimedia:	PC's that will be used for Virtual College training will require multimedia and sound capability
Other Software:	Adobe Acrobat Reader v9.0 and later Microsoft .NET Framework v4.0 Net Framework 4.5 is now required for INSITE 8.0.2 and later
Printer:	Windows Compatible
Internet Connection:	DSL / Broadband high-speed
Available Ports:	Two USB 2.0 Ports
Other:	Refer to http://insite.cummins.com for the latest information.

G. Minimum PC Requirements

COMPONENT	REQUIREMENTS (for minimum performance)
Platform:	IBM or 100% Compatible
Operating System:	Windows® 7 32-bit Note: Windows 7 Virtual PC and XP Mode are <i>not</i> supported
Processor:	2 GHz
RAM Memory:	2 GB
Hard Drive:	2 GB available disk space
Media Device:	DVD-ROM
Display:	Minimum Resolution 1024 x 768

Keyboard: 101 Key Enhanced
Pointing Device: Windows Compatible Device
Multimedia: Any Windows Compatible Sound Device
Other Software: Adobe Acrobat Reader v9.0 and later
Microsoft .NET Framework v4.0
Microsoft .NET Framework v4.5 is now required for INSITE 8.0.2 and later
Printer: Windows Compatible Device
Internet Connection: DSL / Broadband high-speed
Available Ports: See datalink adapter manufacturer for port specifications
Other: Refer to <http://insite.cummins.com> for the latest information.

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