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

<table>
<thead>
<tr>
<th>Feature Name Changes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Old Name</td>
</tr>
<tr>
<td>Diesel Exhaust Fluid Line Heater 4 Relay</td>
</tr>
<tr>
<td>Aftertreatment Diesel Exhaust Fluid Line Heater 4 Status</td>
</tr>
</tbody>
</table>

**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
- Processor: 2 GHz
- RAM Memory: 2 GB
- Hard Drive: 2 GB available disk space
- Media Device: DVD-ROM
- Display: Minimum Resolution 1024 x 768

Note: Windows 7 Virtual PC and XP Mode are not supported
<table>
<thead>
<tr>
<th>Requirement</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Keyboard:</td>
<td>101 Key Enhanced</td>
</tr>
<tr>
<td>Pointing Device:</td>
<td>Windows Compatible Device</td>
</tr>
<tr>
<td>Multimedia:</td>
<td>Any Windows Compatible Sound Device</td>
</tr>
<tr>
<td>Other Software:</td>
<td>Adobe Acrobat Reader v9.0 and later</td>
</tr>
<tr>
<td></td>
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</tr>
<tr>
<td>Internet Connection:</td>
<td>DSL / Broadband high-speed</td>
</tr>
<tr>
<td>Available Ports:</td>
<td>See datalink adapter manufacturer for port specifications</td>
</tr>
<tr>
<td>Other:</td>
<td>Refer to <a href="http://insite.cummins.com">http://insite.cummins.com</a> for the latest information.</td>
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