

INSITE 8.6.0 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.

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 8.5.x

2. New Base Features

2.1 Calibration Security

New calibrations have been released using current industry standard encryption. If using an INCAL DVD with INSITE 8.6.0, calibrations must be from December 2019 or newer. These new calibrations can also be downloaded from Quickserve Online (QSOL) or ECM Code Search within INSITE. Any previous INCAL DVDs or downloaded calibrations will no longer be valid.

3. New Diagnostic Tests

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

3.1 Aftertreatment Engine Out NOx Sensor Test

This test is to diagnose the basic Engine Out NOx sensor functionality.

3.2 Aftertreatment System Out NOx Sensor Test

This test is to diagnose the basic Engine Out NOx sensor functionality.

3.3 Exhaust Throttle Auto Zero Test

This test will trigger the auto zero feature to run after an exhaust throttle has been replaced.

4. New Advanced ECM Data

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

4.1 Fuel System Performance Monitor

Used for viewing fuel system events and improve fuel system rail pressure isolation.

4.2 Fuel Injector Power Control Reset

Allows users to reset the fuel injector lifecycle timers and tables after the installation of either a new injector or alternator.

5. New Features and Parameters

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

5.1 Starter Control Ver2

Provides the ability to interface with the Starter Control for natural gas applications.

5.2 Idle Shutdown Extended Period

Allows an OEM to add an extended amount of time for idle shutdown period.

5.3 Idle Shutdown Timer Override

Overrides the idle shutdown timer and reset it to the Idle shutdown period based on vehicle conditions.

5.4 Smart Torque 2 Mass Type

Allows the ability to select the source of vehicle mass to use based on the application.

5.5 Road Speed Control

Allows selecting different types of road speed control, resulting in different fuel economy improvement.

5.6 Auxiliary OEM CAN4 Baud Rate

Facilitates the selection of baud rate for AUX OEM CAN4 channel.

5.7 Gear Ratio Idle Adjustment

Adjusts No Load Speed (LSI) based on gear ratio.

5.8 Push Button Start/Stop

Provides the ability configure the Push Button for starting and stopping

6. New Product Support

L9 CM2670 L131B

F4.5 CM2620 F145B

B6.7 CM2670 B162B

X12 CM2670 X136B

AFT 2.8/3.8 CM1881 BSVI

AFT 5.3/5.7 CM1881 BSVI

EACS CM1881

QSK19 CM2350 K144G

QSK38 CM2350 K145G

QSK50 CM2350 K146G