

INSITE™ Overview

Electronic Service Tools

2018 Version

Public Information

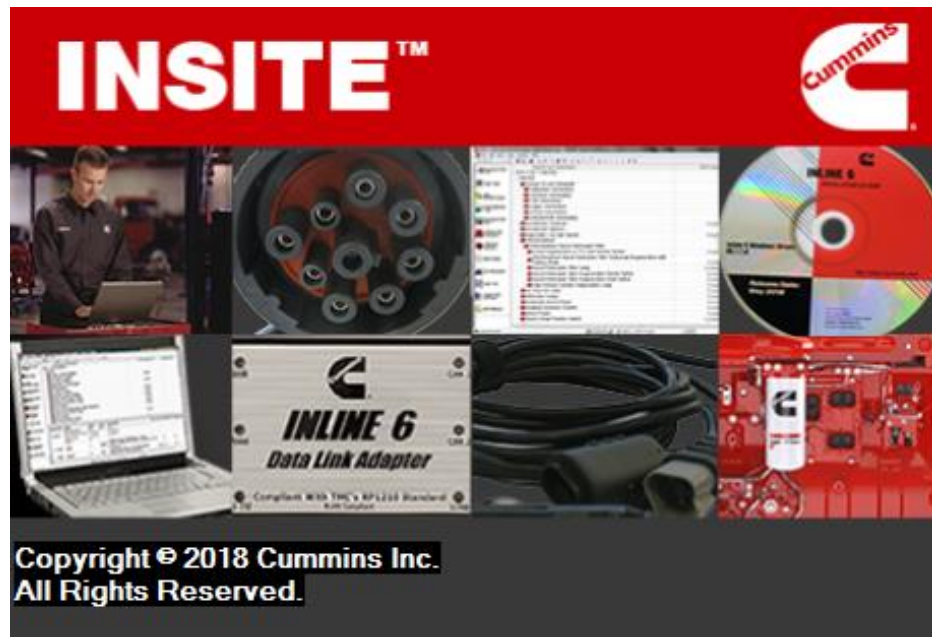


Customer Success.
Every™ Time.



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Getting Started

- Windows-based PC obtained that meets or exceeds system requirements
- Latest version of INSITE installed
 - Includes License Configuration Tool
- Latest version of Update Manager installed
- RP1210 adapter (such as INLINE 7) with connection cables available for use
- Appropriate licensing purchased through authorized distributor
- If any of these steps are not done, please contact your local distributor for further assistance.



System Requirements (as of Jan 2018)

Component	Recommended	Minimum Requirements to Install
Platform:	INTEL i5 Processor & AMD K10 Core (32bit or 64bit)	INTEL i3 Processor & AMD K10 Core (32bit or 64bit)
Operating System:	Windows 10 (64bit)	Windows® 8.1 (32bit or 64bit) * - Windows 8.x Starter or Windows 8.X RT are not supported
Processor:	2.5 GHz or greater Quad-Core	2 GHz or greater Dual-Core
RAM:	8 GB or greater	4 GB or greater
Hard Drive:	6 GB or greater available disk space	4.5 GB available disk space
Media device (needed for installation in most cases and INCAL):	Dual Layer - Double Density DVD-ROM	DVD-ROM (may be internal or external as needed for installation)
Display:	**Minimum Resolution 1920 x 1080	**Minimum Resolution 1024 x 768
Keyboard:	101-Key Enhanced	101-Key Enhanced
Pointing Device:	Windows Compatible Device	Windows Compatible Device
Multimedia:	PCs that will be used for Virtual College training will require multimedia and sound capability	Any Windows Compatible Sound Device
Other Software:	Adobe Acrobat Reader v9.0 or higher Microsoft .NET Framework 4.7.1 or later	Acrobat Reader 9.0 or higher Microsoft .NET Framework v4.7.1 or later
Printer (optional):	Windows Compatible Device	Windows Compatible Device
Internet connection:	High-Speed Broadband	High-Speed Broadband
Available Ports:	2x USB 3.0	2x USB 2.0

** Dual Monitor Displays are not supported

All Software section defines the level of PC Hardware required to run all of these applications.

Minimum installations will limit performance. For optimal performance use the recommended hardware or better.



Licensing Information

Product Based

- **MR/HD Automotive** provides access to the EPA 2007 and above on highway engines in North America and the Euro VI engines for Europe which are listed below.

ISM - CM876	ISL9 CM2250
ISX - CM871	ISX12/11.9/15 CM2250
ISB - CM2150	ISX12 G CM2180 EJ
ISC - CM2150	ISB4.5 CM2350 B104
ISL - CM2150D	ISB6.7 CM2350 B101
ISL G - CM218	ISL9 CM2350 L1010
ISB6.7 CM2250	ISX12/15 CM2350 X102/X101
ISC8.3 CM2250	Turbo Actuator Controller
Aftertreatment Diesel Exhaust Fluid Controller	

- **MR/HD Plus** provides access to all applications and engines except High Horsepower (HHP) engines.
- **Service Plus** provides access to all engines and applications that INSITE supports.

Functionality Levels

- **Pro** is the highest level of functionality that INSITE provides, which includes calibration download.
 - **NOTE: Requires certification by Cummins distributor to obtain this type of license.**
- **Lite** provides all of the functionality of Pro except for calibration download capability.
- **RSGR/Industrial Pro** functionality limits the access to Road Speed Governor parameters and Industrial Pro provide calibration download to Industrial products only.
- **Basic** functionality is read only and does not have adjustment or calibration download capability.



RP1210 Device Compatibility

- **Supported**

- INLINE 7

- NOTE: INLINE 5 & INLINE 6 do work with INSITE, but are no longer supported


- Any RP1210 Compliant Datalink Adapters

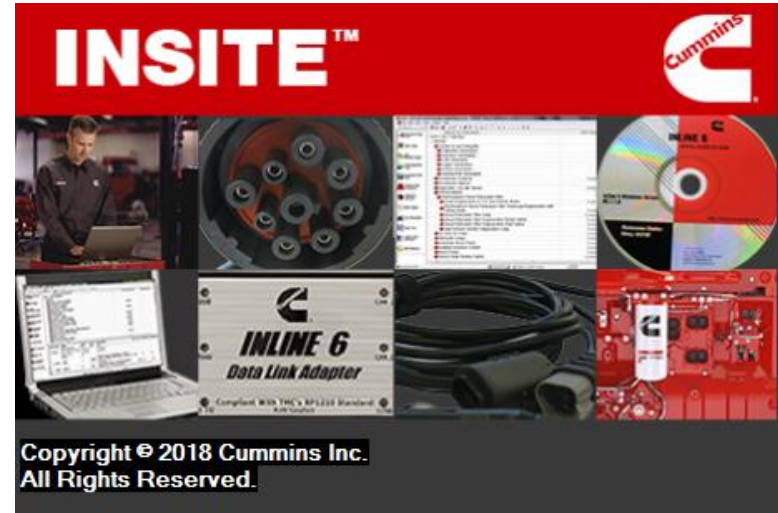
- Additional information available on insite.cummins.com



Launching & Licensing

Launching INSITE

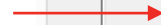
- After INSITE has been installed, you should have a shortcut icon on your desktop that looks like  .
- Double-click INSITE shortcut.
- An INSITE splash screen should be displayed as shown to the right.



Launching INSITE

- If no licenses have been activated, a “Welcome to INSITE” window will appear
- If licenses have already been activated, INSITE will launch

Launches License Configuration Tool



Activate License

Select Activate to activate a license for INSITE

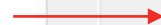
Locate distributor contact information



Purchase License

Select Purchase to find out how to purchase a license for INSITE

Launches INSITE in Simulator Mode



Simulator Mode

Select Simulator button to create an Engine Simulator. This will allow you to see the major features of the tool. In this mode, connecting to ECM is not allowed. Please purchase and activate INSITE to be able to connect to Engines. To Activate later, select Manage License(s) on Menu Bar.

NOTE: This window must be closed if “Activate Licenses” is selected to allow licenses to activate properly.

Navigating INSITE™

Title Bar

Menu Bar

Tool Bar

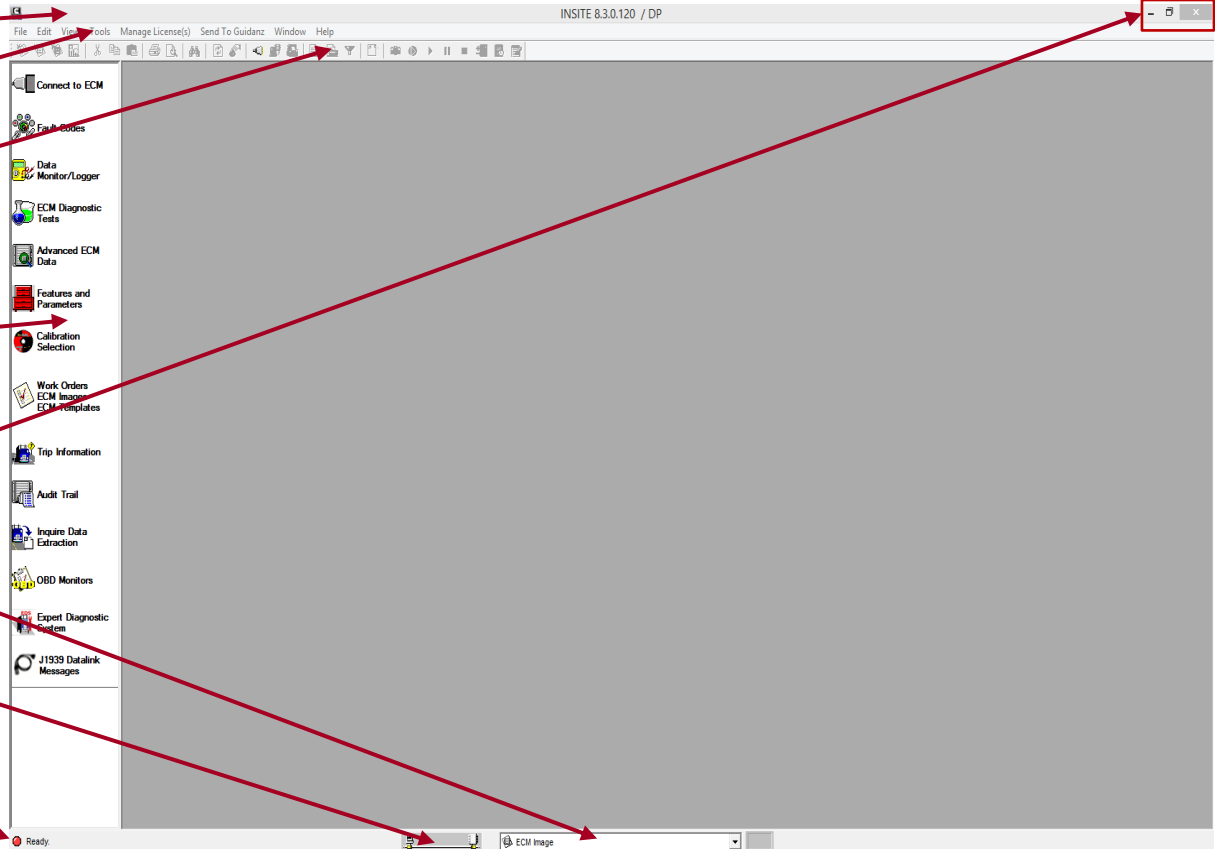
View Bar

Minimize / Maximize / Exit

Selected Connection

Communication Status

Connection Status



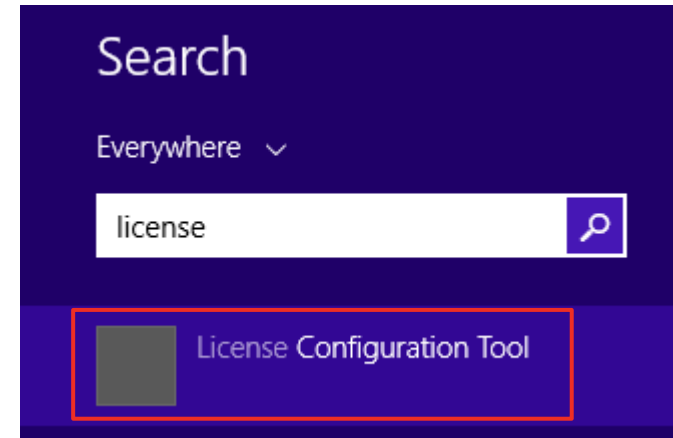
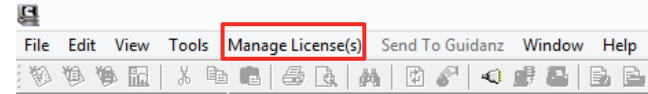
Launching License Configuration Tool (LCT)

- Standalone utility to manage licenses and counts for INSITE™ and can be found several ways

- Click “Manage Licenses” from the menu bar in INSITE

- From the Windows Start Screen or Start Menu
 - Varies by operating system
 - For Windows 7 or 10 users, Type “license” into search bar of Start menu.
 - For Windows 8 users, type “license” while Start screen is open.
 - Click on result “License Configuration Tool” to start launching.

- Through File Explorer
 - 32-bit OS: C:\Program Files\Cummins Inc\License Configuration Tool
 - 64-bit OS: C:\Program Files (x86)\Cummins Inc\License Configuration Tool

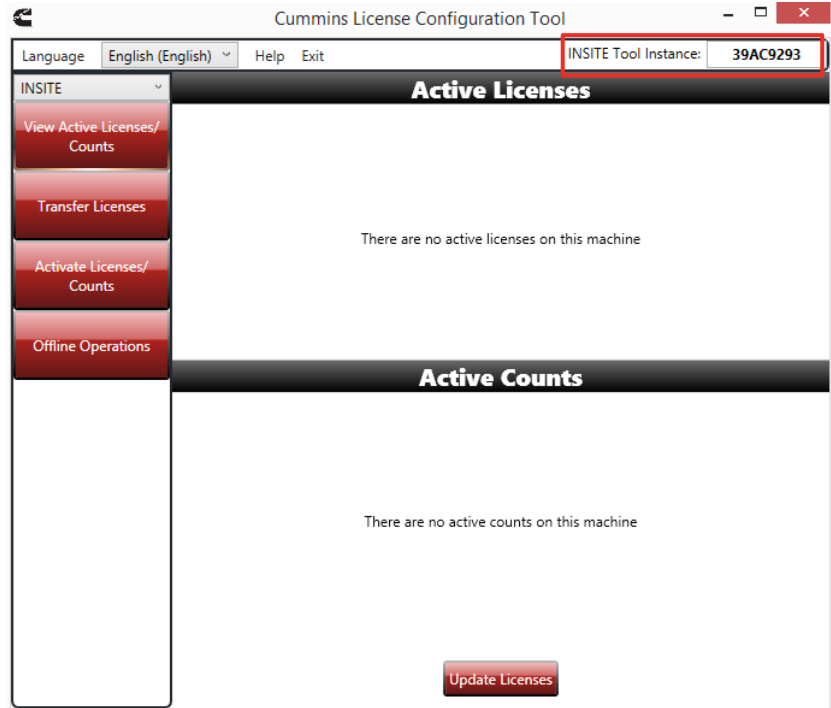


My Computer > Windows (C:) > Program Files (x86) > Cummins Inc > License Configuration Tool

Name	Date modified	Type	Size
ExpirationMessage.txt	5/11/2016 12:02 PM	Text Document	1 KB
FnpCommsSoap.dll	6/11/2014 4:40 PM	Application extens...	392 KB
FsLt.dll	12/14/2017 10:25 ...	Application extens...	129 KB
IeUr.dll	12/14/2017 10:24 ...	Application extens...	722 KB
INSITESegmentInitializer.asr	7/30/2014 2:29 PM	ASR File	3 KB
INTACTSegmentInitializer.asr	5/29/2015 5:52 AM	ASR File	3 KB
INTACTSegmentInitializer.asr	12/12/2017 3:56 AM	ASR File	3 KB
LCT.exe	12/14/2017 10:24 ...	Application	208 KB
LCT - Windows.dll	12/14/2017 10:25 ...	Application extens...	4 750 KB

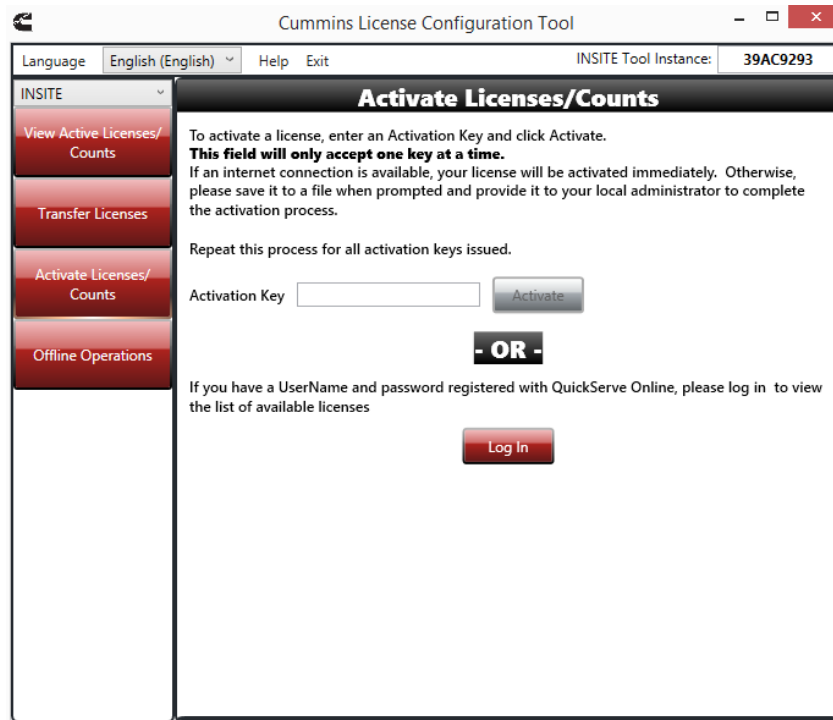
Tool Instance

- Once LCT is launched, you should obtain a tool instance in the upper-right corner.
 - Tool instances should be unique to each system.
 - Very important to document the tool instance in the event of a system crash or sudden replacement.
 - If a tool instance is not obtained (N/A), it is recommended to contact your I.T. or network administrator to ensure there are no issues with communication being blocked.
 - If a tool instance is obtained, you should have communication and ability to activate licenses properly.



Activating Licenses

- Click on Activate Licenses/Counts tab at left of LCT.
- There are 2 different methods
 - Enter activation keys manually
 - Activate available licenses using QSOL Log In



Cummins License Configuration Tool

Language: English (English) Help Exit INSITE Tool Instance: 39AC9293

INSITE

- View Active Licenses/Counts
- Transfer Licenses
- Activate Licenses/Counts
- Offline Operations

Activate Licenses/Counts

To activate a license, enter an Activation Key and click Activate.
This field will only accept one key at a time.
If an internet connection is available, your license will be activated immediately. Otherwise, please save it to a file when prompted and provide it to your local administrator to complete the activation process.

Repeat this process for all activation keys issued.

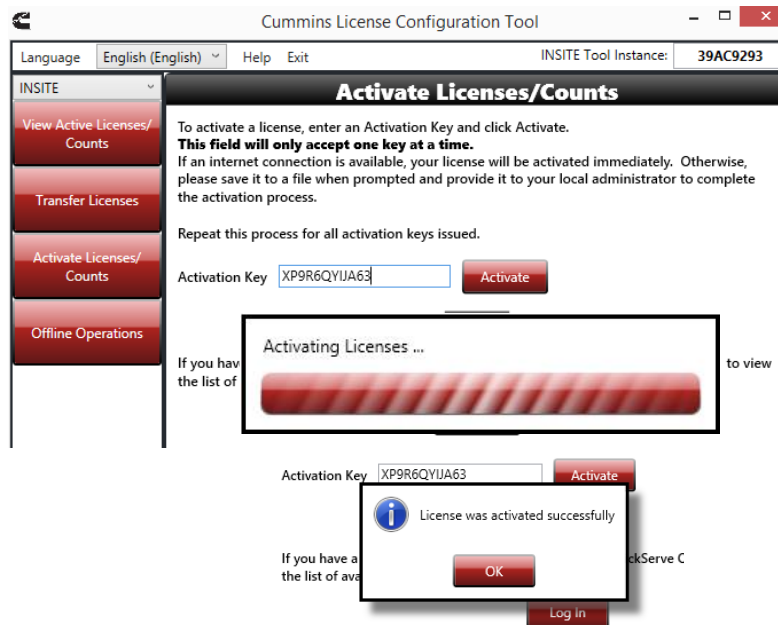
Activation Key

- OR -

If you have a UserName and password registered with QuickServe Online, please log in to view the list of available licenses

Activating Licenses using Activation Keys

- Enter license activation keys manually, one at a time
- After activation key has been entered, click “Activate” button
- A window will appear showing “Activating Licenses...”
- Once license is activated successfully, you will see a prompt.
- Repeat this process as needed to activate all licenses issued.
 - A Basic & Functional license key is required for full functionality



Activating Licenses using QSOL Log In

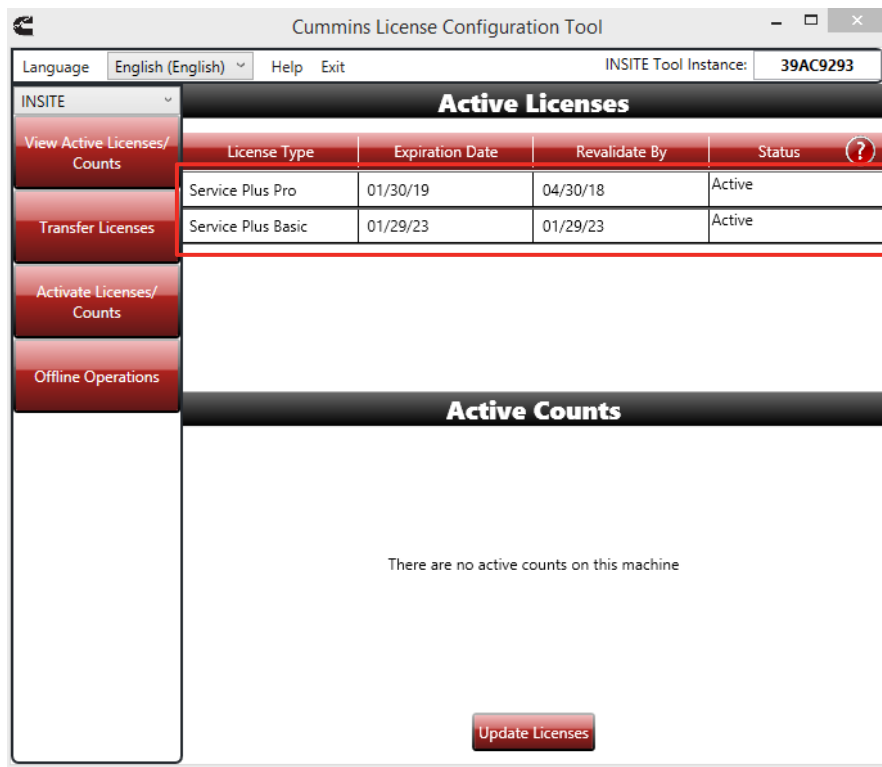
- If you have a Quicksolve (QSOL) account and the licenses have been registered to your QSOL ID, you can click on “Log In” button to start activation.
- Once logged in, any licenses available for activation, will be displayed.
 - Any licenses already activated will not appear when logged in.
- Select the desired licenses, then click “Activate” to continue.
- You will then be prompted to confirm activation of selected items.
- Once selection is confirmed, licenses will begin to activate and prompt to review after activation is successful.

The screenshot shows the 'Cummins License Configuration Tool' window. The title bar includes 'Language: English (English)', 'Help', 'Exit', and 'INSITE Tool Instance: 39AC9293'. The main content area is titled 'Activate Licenses/Counts' and displays a table of licenses. A 'Log Out' button is visible. The table has columns for 'Select', 'License Type', 'Duration/Expiration Date', 'Available Licenses', and 'Activation Key'. One license, 'Service Plus Pro', is selected. Below the table, a confirmation dialog asks 'Activate selected licenses?' with 'Yes' and 'No' buttons. A progress bar labeled 'Activating Licenses ...' is shown below the dialog. At the bottom, another dialog asks 'Would you like to review the list of activated licenses/counts?' with 'Yes' and 'No' buttons.

Select	License Type	Duration/Expiration Date	Available Licenses	Activation Key
<input checked="" type="checkbox"/>	Service Plus Pro	365 Days	1	QSJINDURA1TA

Viewing Active Licenses & Counts

- Once licenses are activated, you can click on “View Active Licenses/Counts” tab and licenses should display as shown.
- After licenses are initially activated, INSITE can be launched again.



The screenshot displays the Cummins License Configuration Tool interface. The window title is "Cummins License Configuration Tool". The language is set to "English (English)". The INSITE Tool Instance is "39AC9293". The interface is divided into two main sections: "Active Licenses" and "Active Counts".

The "Active Licenses" section contains a table with the following data:

License Type	Expiration Date	Revalidate By	Status
Service Plus Pro	01/30/19	04/30/18	Active
Service Plus Basic	01/29/23	01/29/23	Active

The "Active Counts" section displays the message: "There are no active counts on this machine". An "Update Licenses" button is located at the bottom of the interface.



Additional Resources

For additional information on other functions of LCT, please view the tutorial videos using the links provided below.

[How to Activate Licenses and Counts](#)

[How to Transfer Licenses and Counts](#)

[How to Repair and Revalidate your Licenses](#)

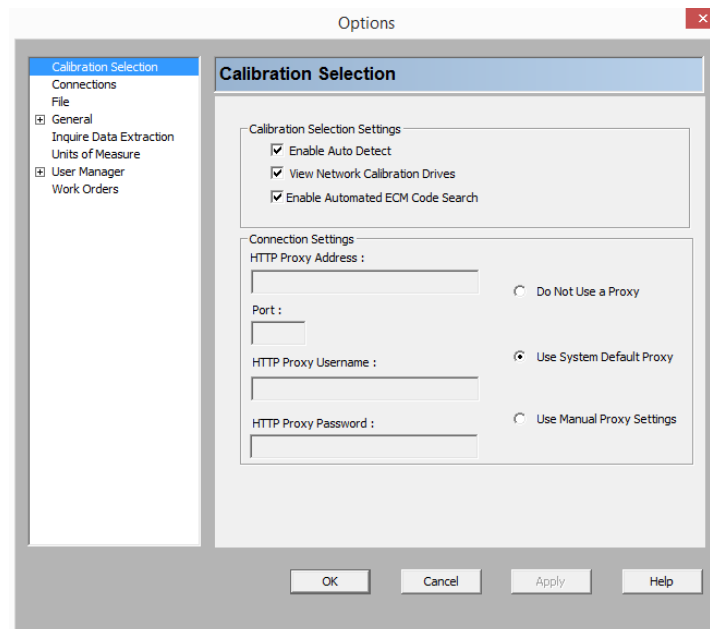
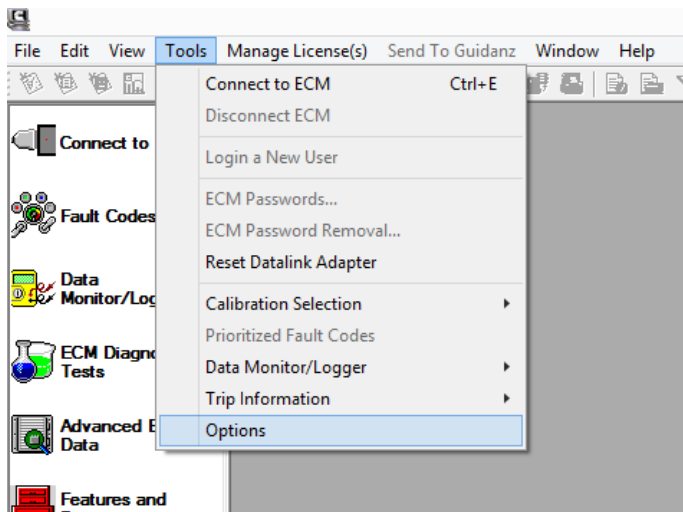
[Offline License Operations](#)



Configuring Options

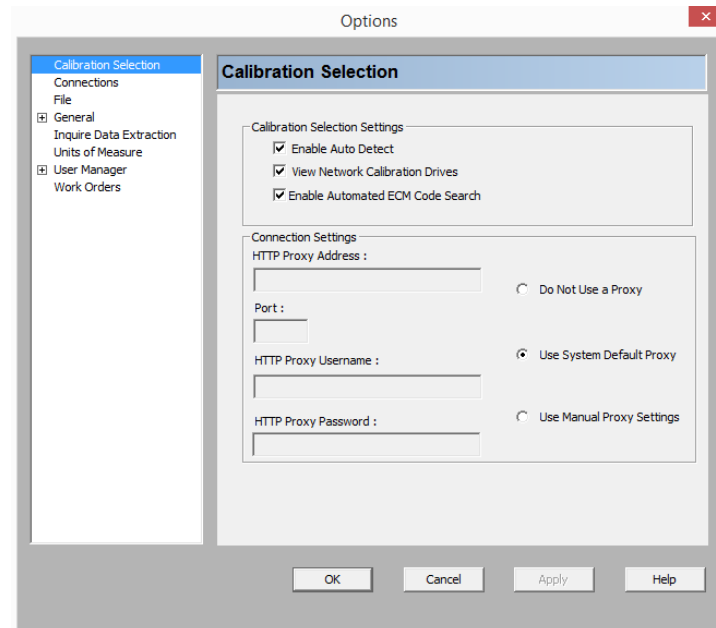
How to Configure Options in INSITE™

- In the menu bar, navigate to Tools > Options
- The Options dialog screen should appear



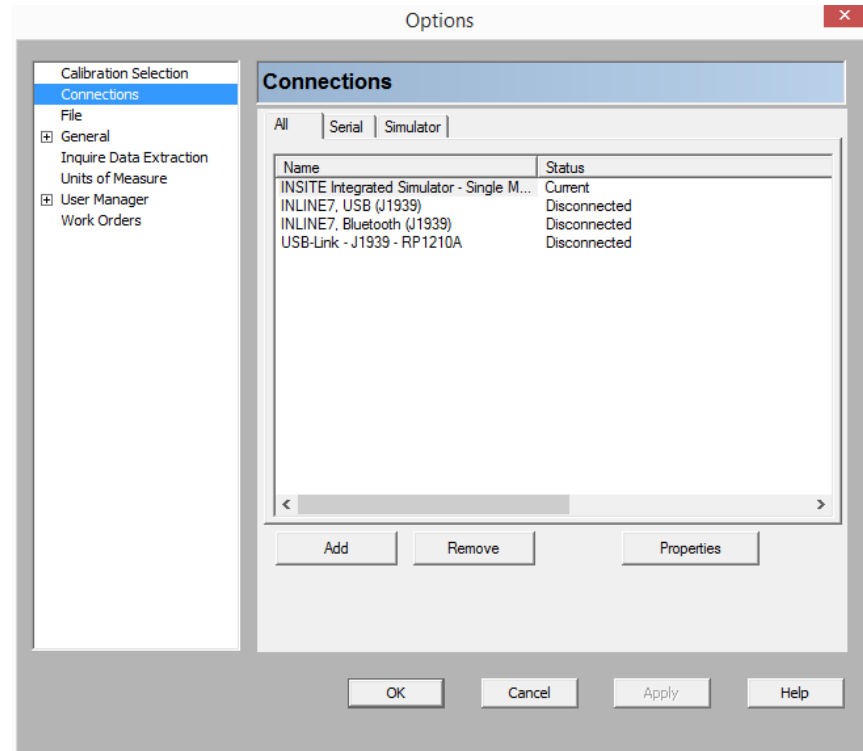
Calibration Selection Options

- Calibration Selection Settings
 - Enable/Disable Auto Detect
 - View Network Calibration Drives
 - Enable/Disable Automated ECM Code Search
- Modify network proxy settings



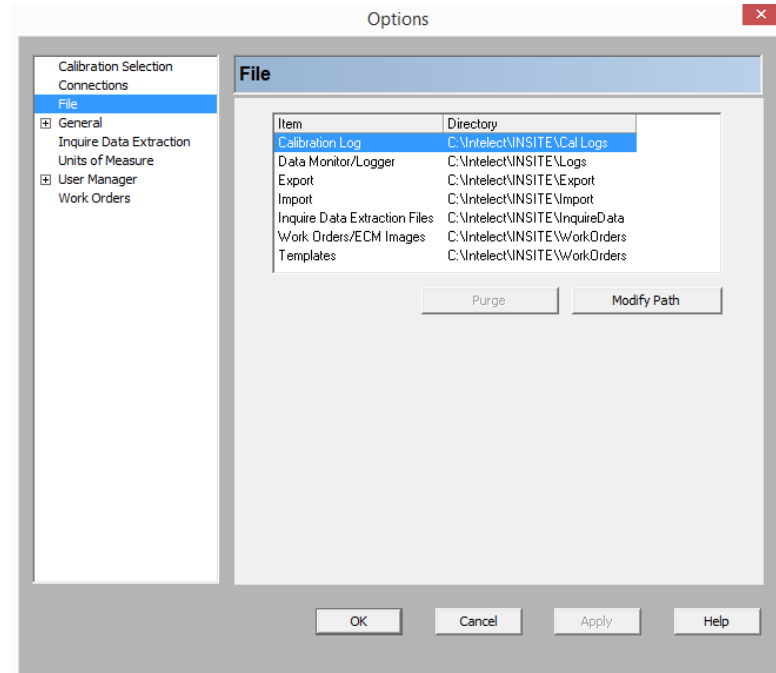
Connections Options

- Allows user to add and remove datalink adapters and simulators used for connections.
- Existing connections can be renamed through Properties.



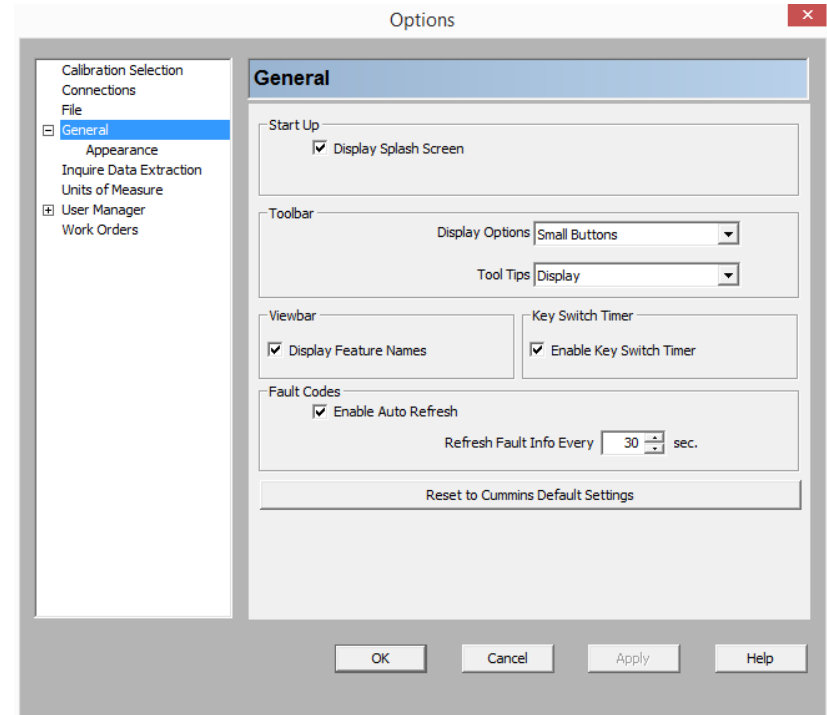
File Options

- Allows user to modify location paths for saved items such as...
 - Calibration Logs
 - Data Monitor/Logger Logs
 - Exported images, templates and logs
 - Imported images, templates and logs
 - Inquire Data Extraction files
 - Work Orders & ECM Images
 - Templates
- Default settings are recommended



General Options

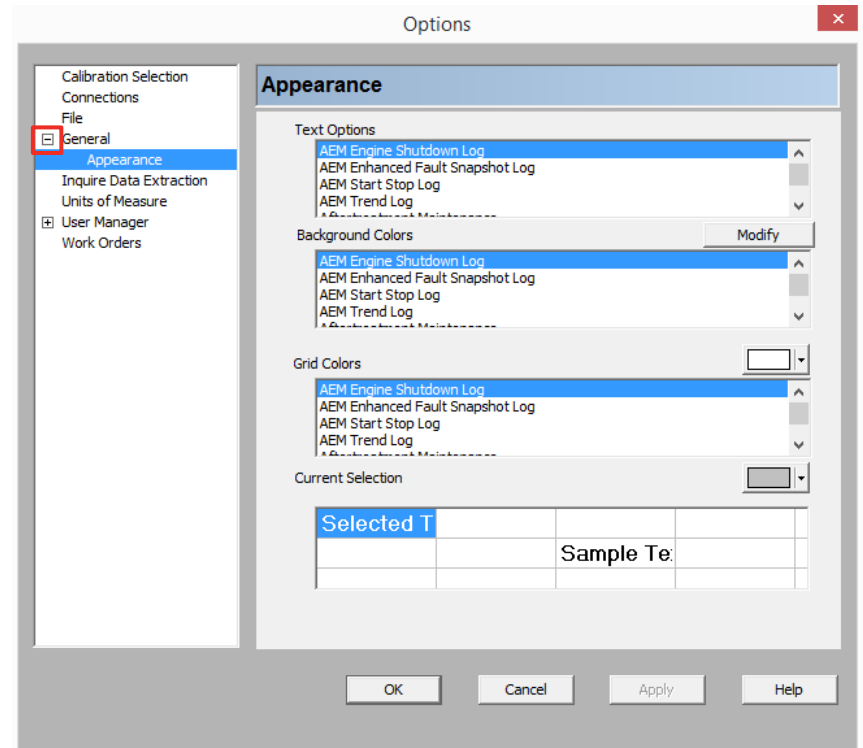
- Start Up
 - Display/Hide Splash Screen at launch
- Toolbar
 - Set display button size
 - Display/Hide Tool Tips
- Viewbar
 - Display/Hide feature names
- Key Switch Timer
 - Enable/Disable
- Fault Codes
 - Set Auto Refresh rate
- Reset INSITE to Cummins Default Settings



Appearance Options

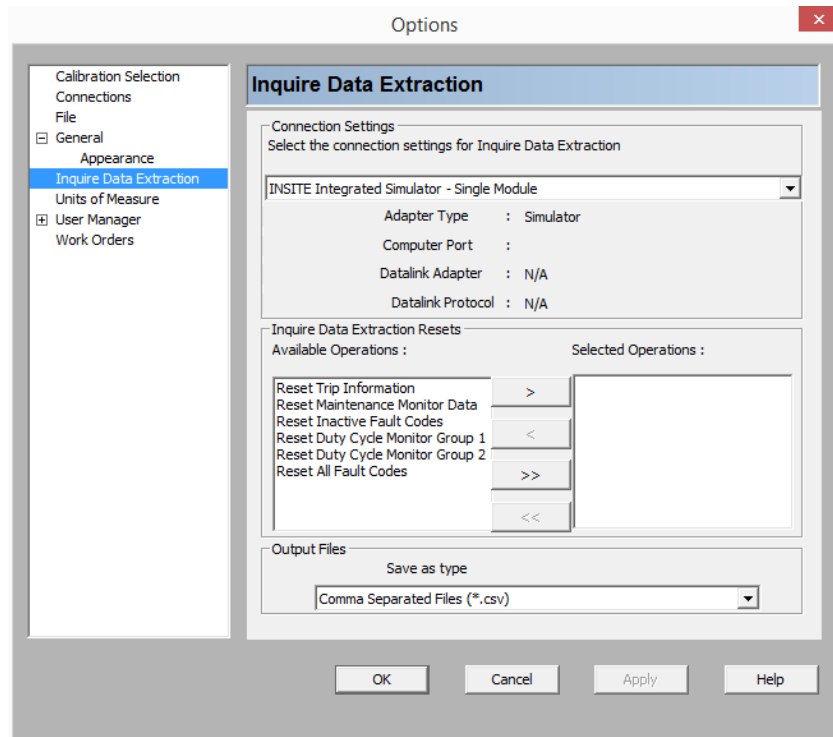
- Allows user to customize appearance of...
 - text size, font, and color
 - background colors
 - grid colors

- Appearance options are available when General category is expanded.



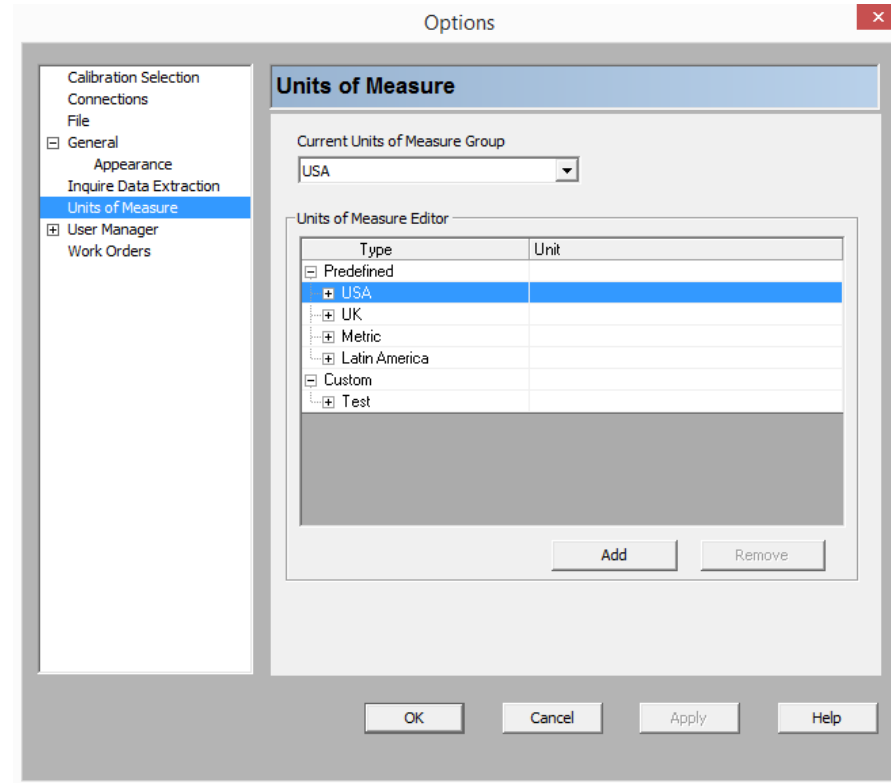
Inquire Data Extraction Options

- Select options for connection settings
- Select operations for Inquire Data Extraction resets
- Modify output file to save as either .csv or .txt



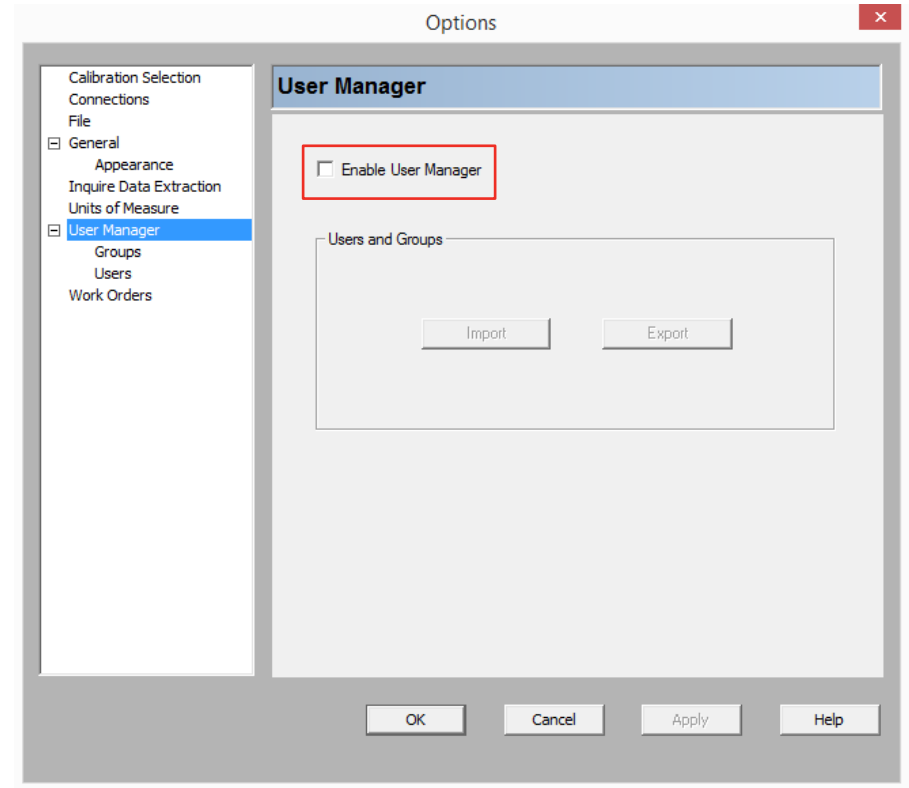
Units of Measure Options

- Allows user to modify units of measure to predefined or custom settings.



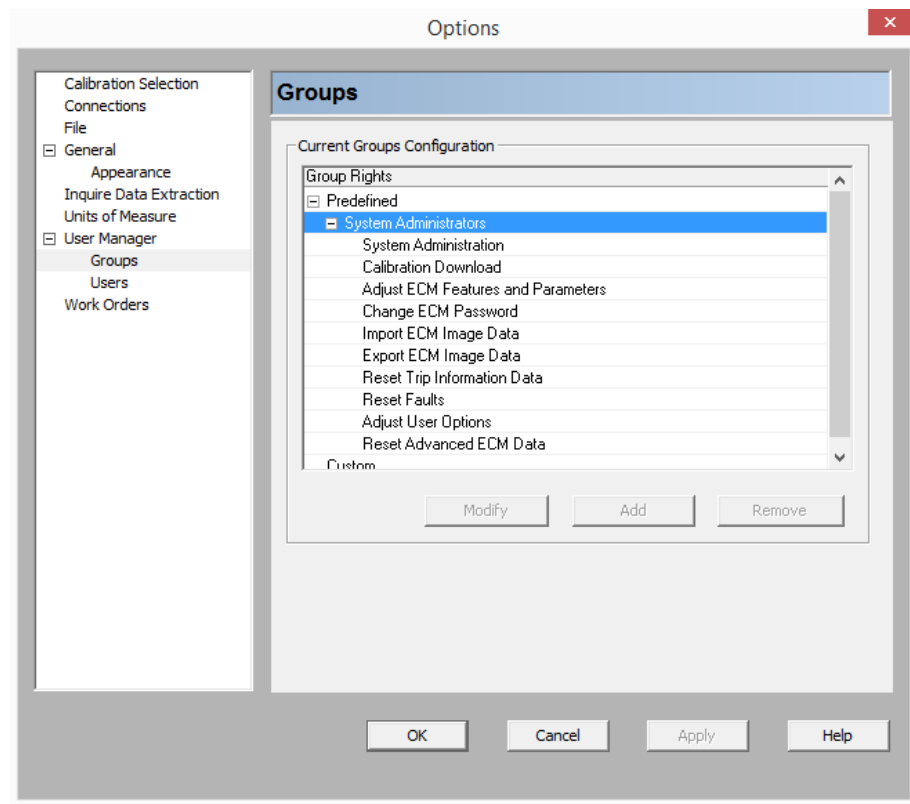
User Manager Options

- Enables a system administrator to assign specific access rights to individual users and groups
- When enabled, a login is required to open INSITE™
- Multiple users and groups can be created



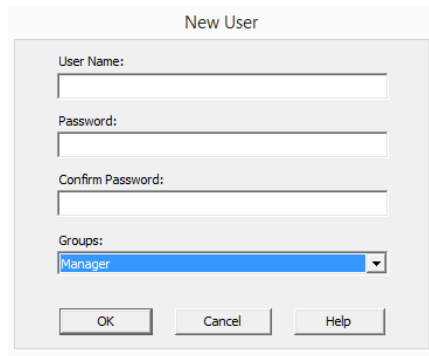
User Manager Groups Options

- Add, remove or modify group rights
- Create custom group rights



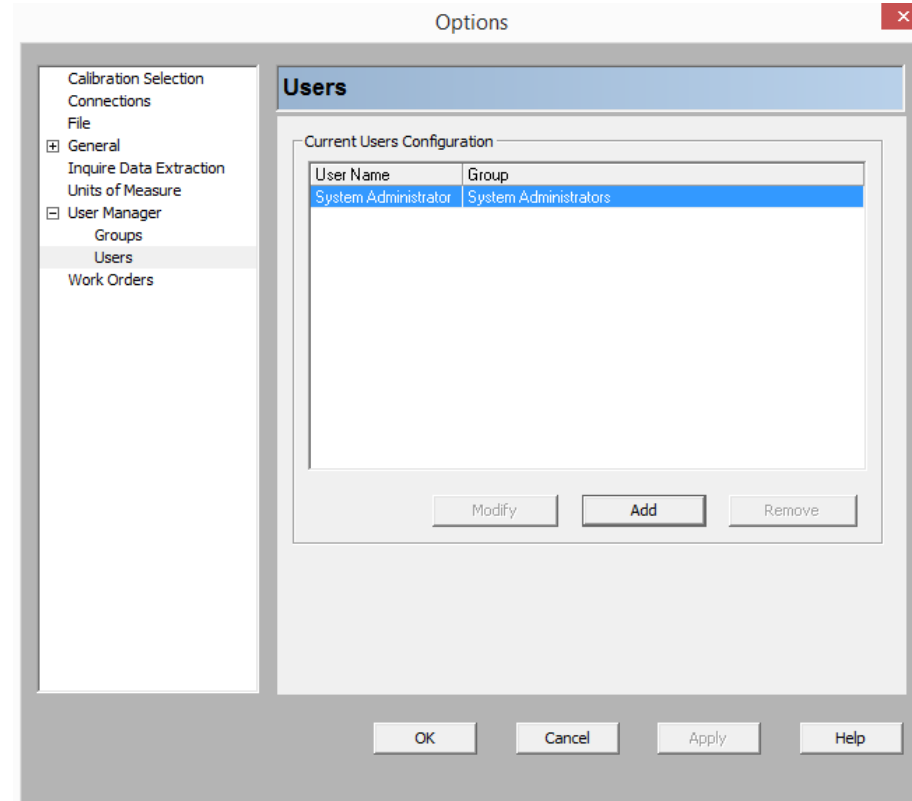
Users Options

- Add and remove users
- Modify user accounts
- Assign new users to group



A dialog box titled "New User" with the following fields and controls:

- User Name:
- Password:
- Confirm Password:
- Groups: (dropdown menu)
- Buttons: OK, Cancel, Help



The "Options" dialog box, "Users" tab. The left sidebar shows a tree view with "Users" selected. The main area is titled "Users" and contains a table for "Current Users Configuration".

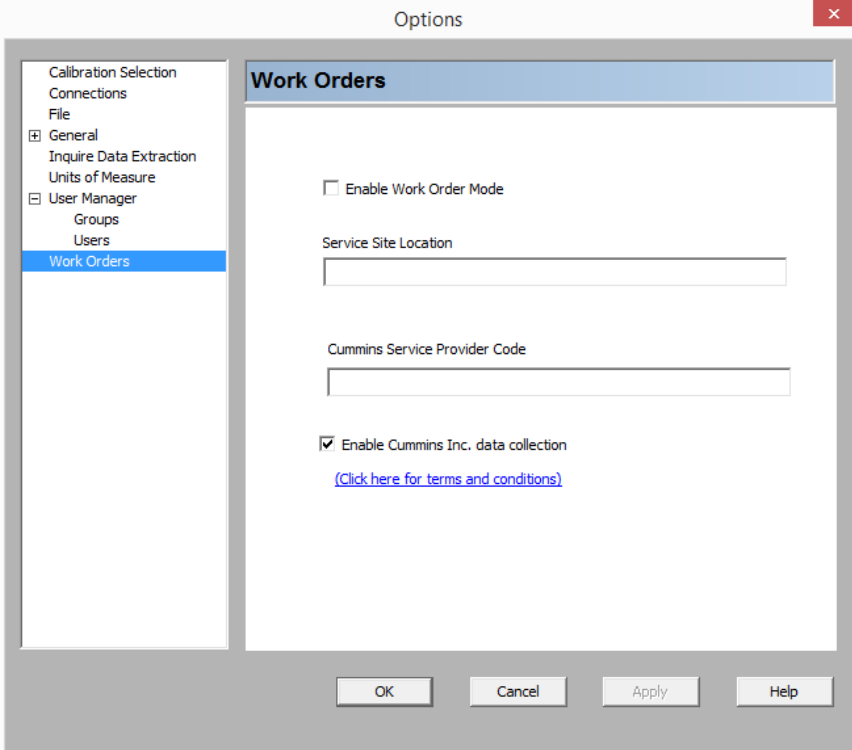
User Name	Group
System Administrator	System Administrators

Buttons: Modify, Add, Remove

Bottom buttons: OK, Cancel, Apply, Help

Work Orders Options

- Enable/Disable Work Order Mode
 - Enabled is recommended
- Predefine Site Location & Cummins Service Provider Code
- Enable/Disable Cummins Inc. data collection
- When Work Order Mode is enabled and no compatible Work Orders exist, a New Work Order dialog will be displayed after connection to the ECM is established.



Options

Work Orders

Enable Work Order Mode

Service Site Location

Cummins Service Provider Code

Enable Cummins Inc. data collection
[\(Click here for terms and conditions\)](#)

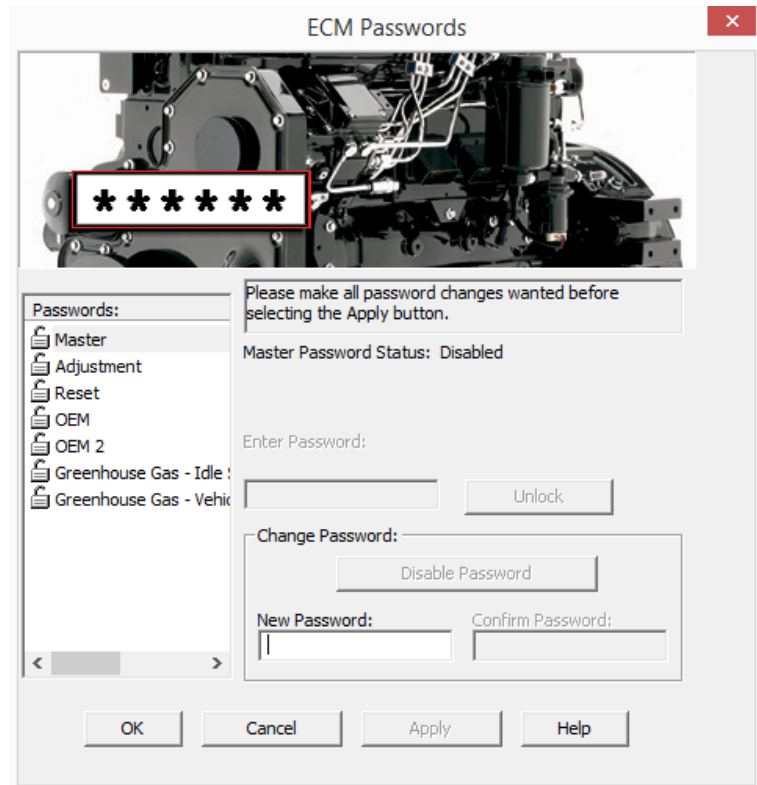
OK Cancel Apply Help



ECM Multi-Level Security

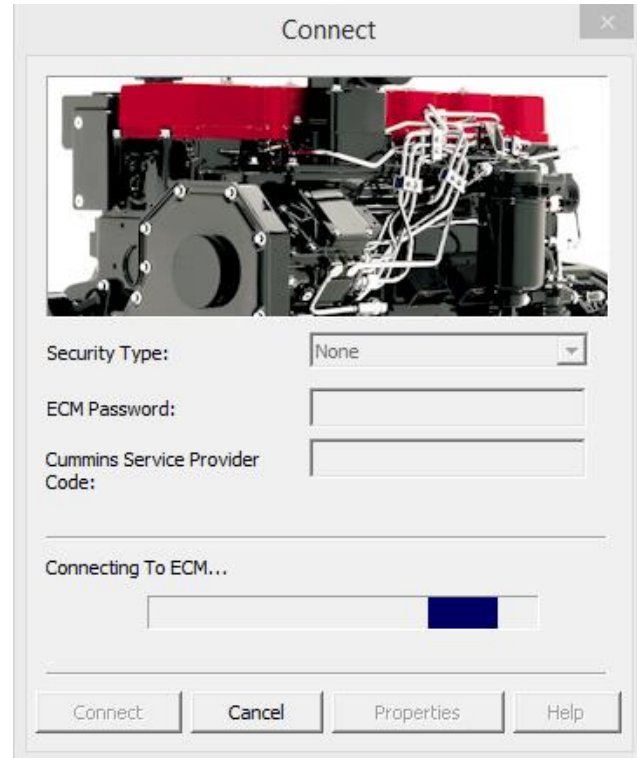
ECM Passwords

- Most Cummins ECMs have 5 levels of password capability
 - Master
 - Master password allows all writes, adjustments and resets
 - If Master password is set, but not entered
 - No Changes to ECM allowed
 - Adjustment
 - Master password must also be set
 - Only allows changing ECM adjustments
 - Features and parameters
 - Reset
 - Master password must also be set
 - Only allows ECM resets
 - Fault Codes & Trip Information
 - OEM & OEM 2
 - Master password does not need to be set
 - Protects OEM specific parameters from adjustment
 - Greenhouse Gas
 - Do not use unless directed by Cummins Inc.



ECM Passwords

- Used to protect the ECM from users attempting to make unauthorized adjustments
- Different levels can be set to allow for:
 - Resets only (Reset Password)
 - Feature Adjustments (Adjustment Password)
 - Full functionality (Master Password)
- Master password must be set when using ECM security
- INSITE will operate in read-only mode if appropriate password is not provided during ECM connection.



ECM Password Removal (Zap-IT)

- To remove ECM and OEM passwords:
 - Select **Tools > ECM Password Removal...** on the menu bar. The **ECM Password Removal** window will appear. This window is also called the **ZAP-IT** window.
 - Select the type of ECM Passwords to be removed.
 - Select **ZAP-IT**. The **ECM Password Removal Confirmation** window will appear.
 - Select **Yes** and follow the prompts to remove the ECM passwords.
 - The **ECM Password Removal** window will display the number of counts remaining, if any.
 - Select **Cancel** to close the **ECM Password Removal** screen.
- **Zap-IT** passwords are entered using the Cummins License Configuration Tool (LCT)
- **Zap-IT** Counts can be obtained from local Distributors

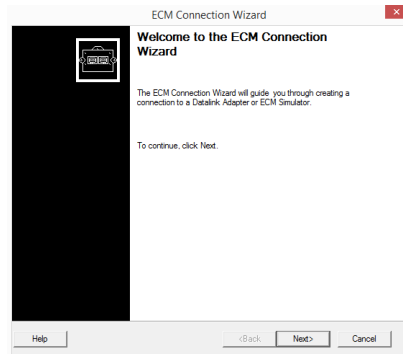




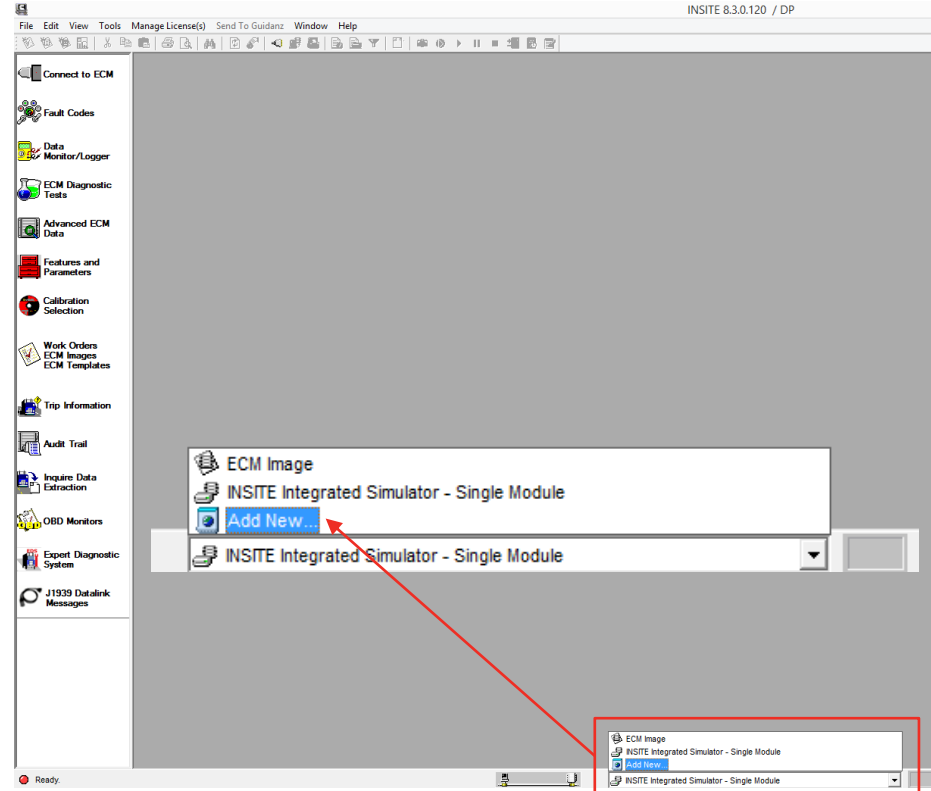
ECM Connections

Adding New Connection

- Click on connection
- Select “Add New...”
- Dialog box for ECM Connection Wizard should appear as shown.

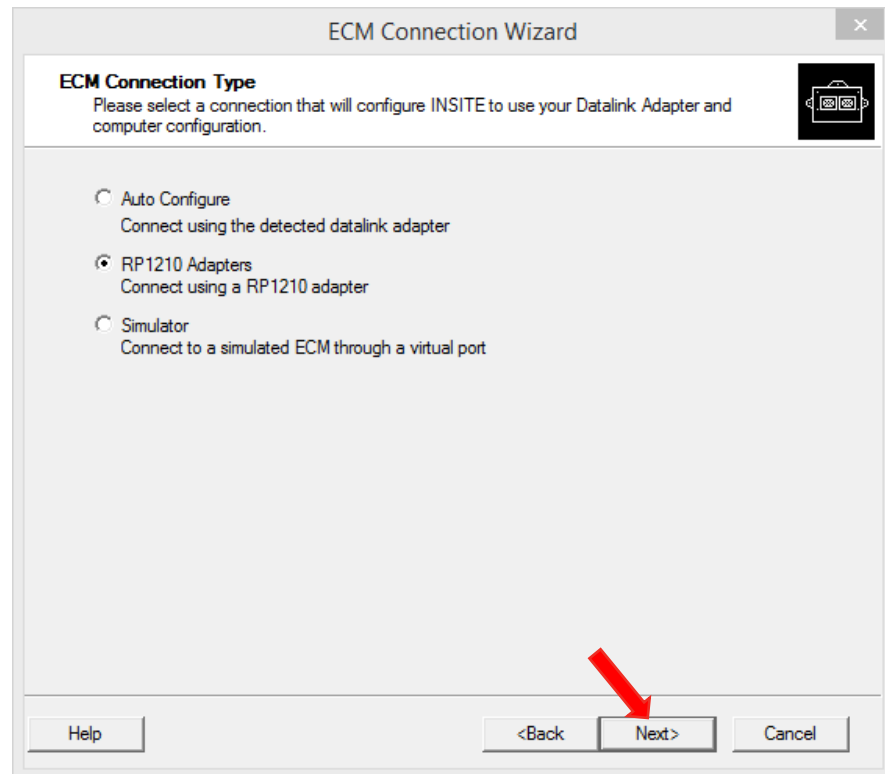


- Click “Next” to continue.



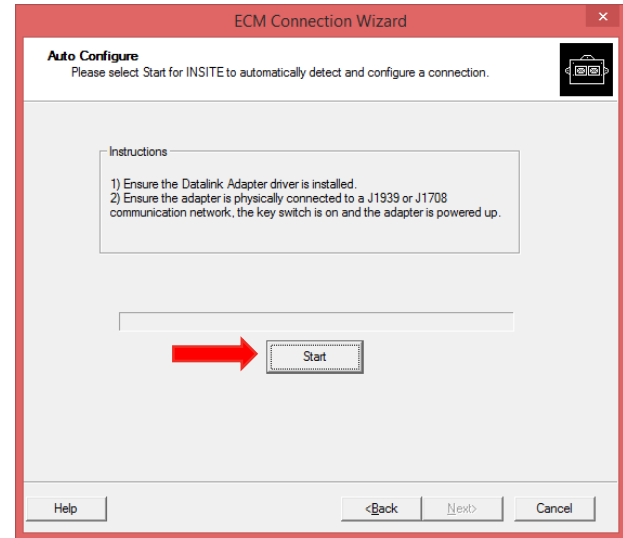
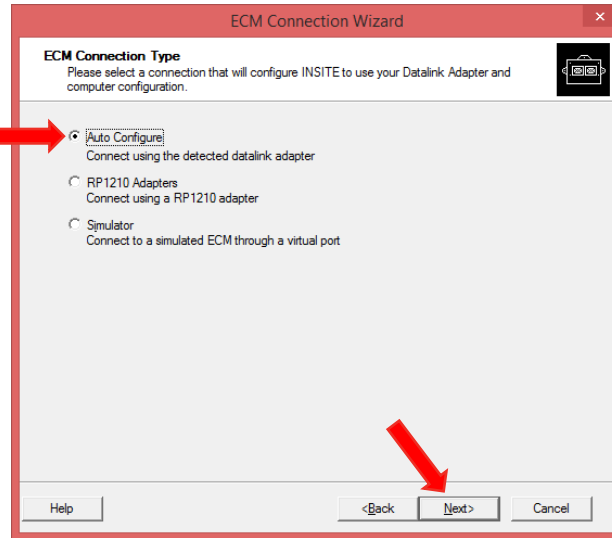
Adding New Connection

- Select appropriate connection.
 - Auto Configure
 - Automatically detects installed datalink adapters
 - RP1210 Adapters
 - Manually configure the datalink adapter connection
 - Simulator
 - Creates simulated ECM environment using virtual port
- Click “Next” to continue.



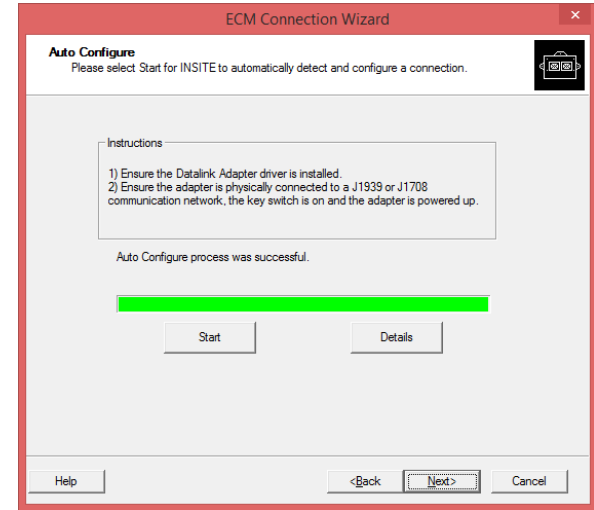
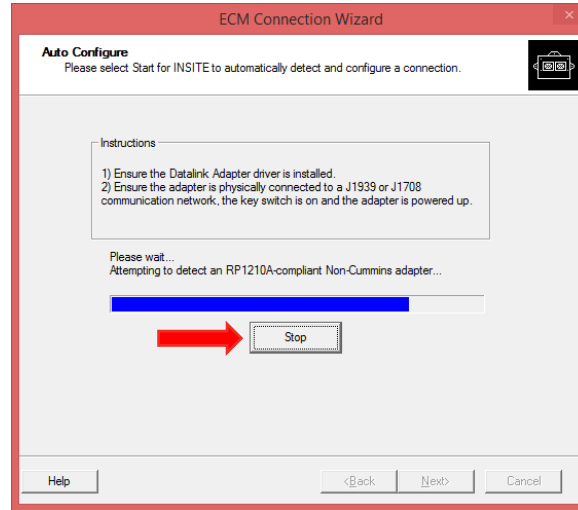
Auto Configure

- Auto Configure will automatically detect and connect to an RP1210A compliant adapter that is installed on the PC
- Select Auto Configure and click the Next button
- Ensure that the steps listed in the Instructions have been completed
- Click the Start button



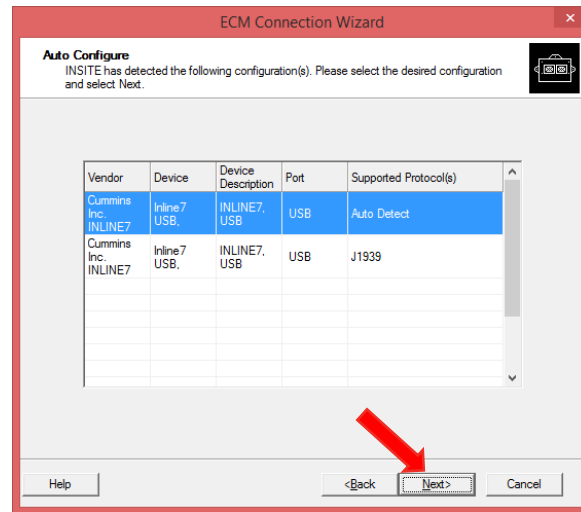
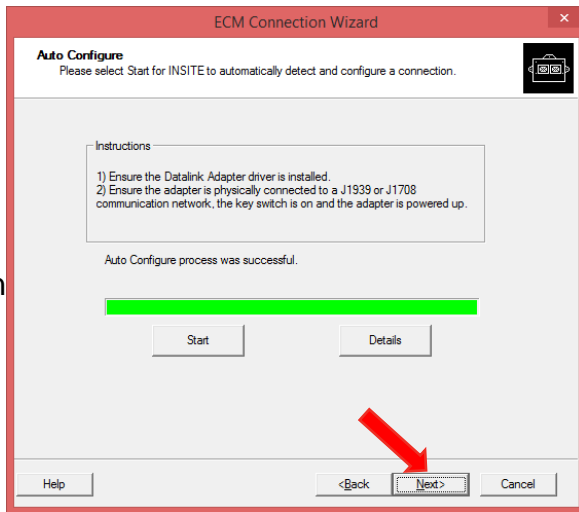
Auto Configure

- Auto Configure will attempt to detect and connect to an RP1210A compliant adapter
- This can take several minutes to complete
- To cancel the process, click the Stop button, otherwise let it run until it completes



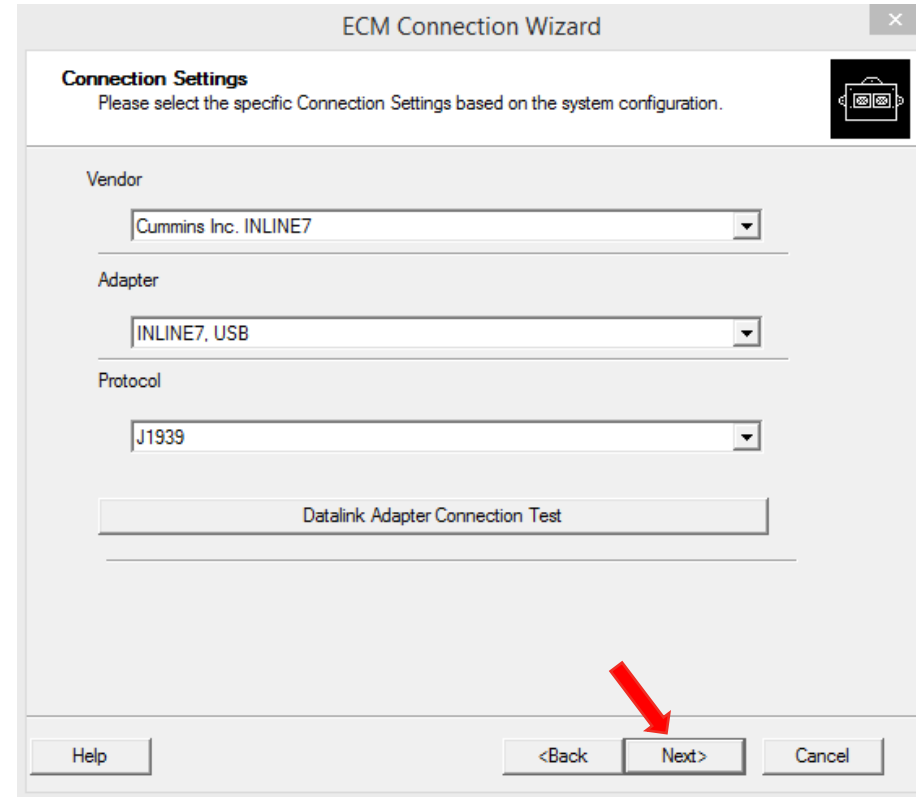
Auto Configure

- Auto Configure process was successful
- Click on the Next button to continue
- Select the desired adapter configuration
- Click on the Next button to continue



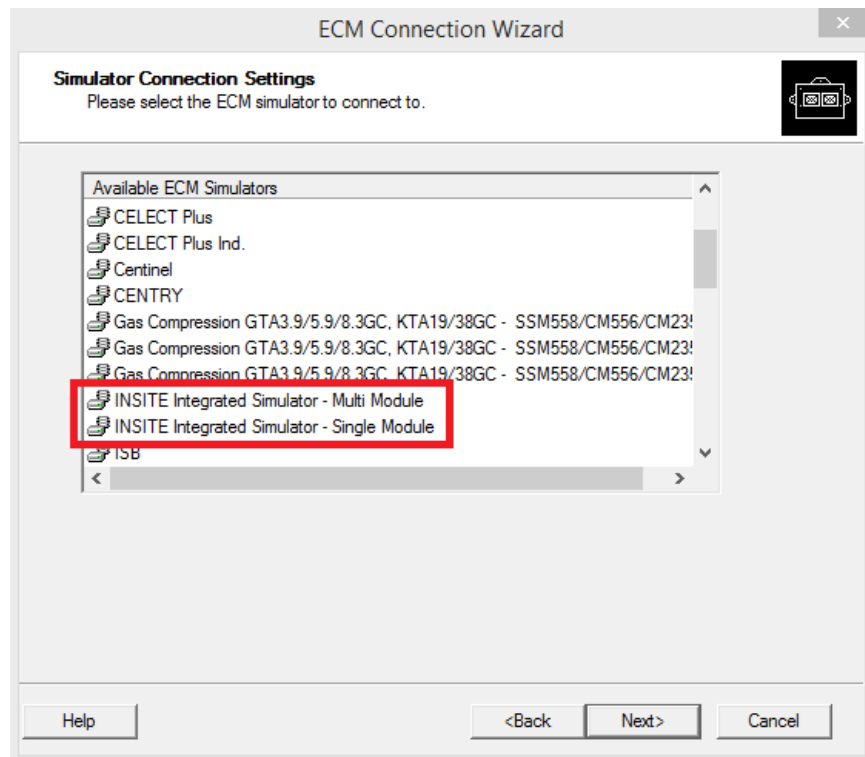
RP1210 Adapters

- Select desired vendor
 - Ensure correct connection type is selected (such as USB, Bluetooth, Wireless, or COM port)
- Select desired adapter
 - Auto Detect, J1939 or J1708
- Select protocol
 - Auto Detect, J1939 or J1708
- If desired, you may click “Datalink Adapter Connection Test” to validate driver installation
- Once successful, click on “Next” to continue



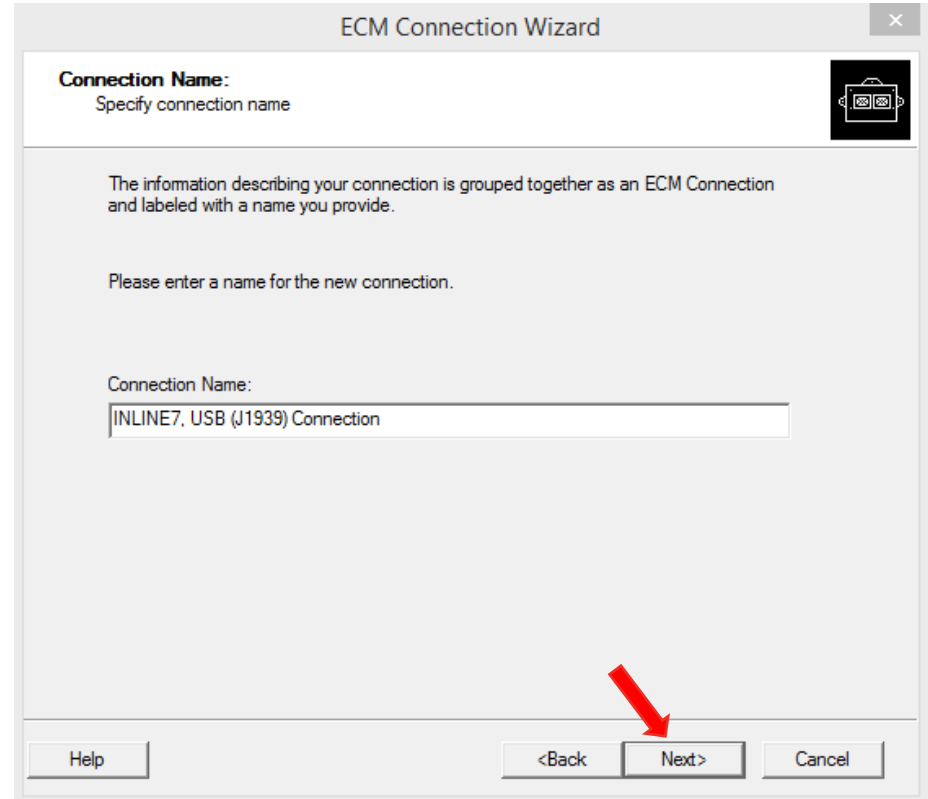
Simulator

- Simulates connections to all supported engines
 - Almost full simulated tool functionality
 - Can be used for training or exploring Engine Features without being connected to an Engine
 - Data is simulated and does not represent actual engine data
- Classic simulator options available for pre-EPA 2007 engines
- Integrated simulator options available for EPA 2007 and newer engines.
 - INSITE Integrated Simulator – Multi Module
 - Simulates multi-module set up
 - INSITE Integrated Simulator – Single Module
 - Simulates single module set up



Adding New Connection

- Enter a desired name for the new connection.
- Click “Next” to continue.



ECM Connection Wizard

Connection Name:
Specify connection name

The information describing your connection is grouped together as an ECM Connection and labeled with a name you provide.

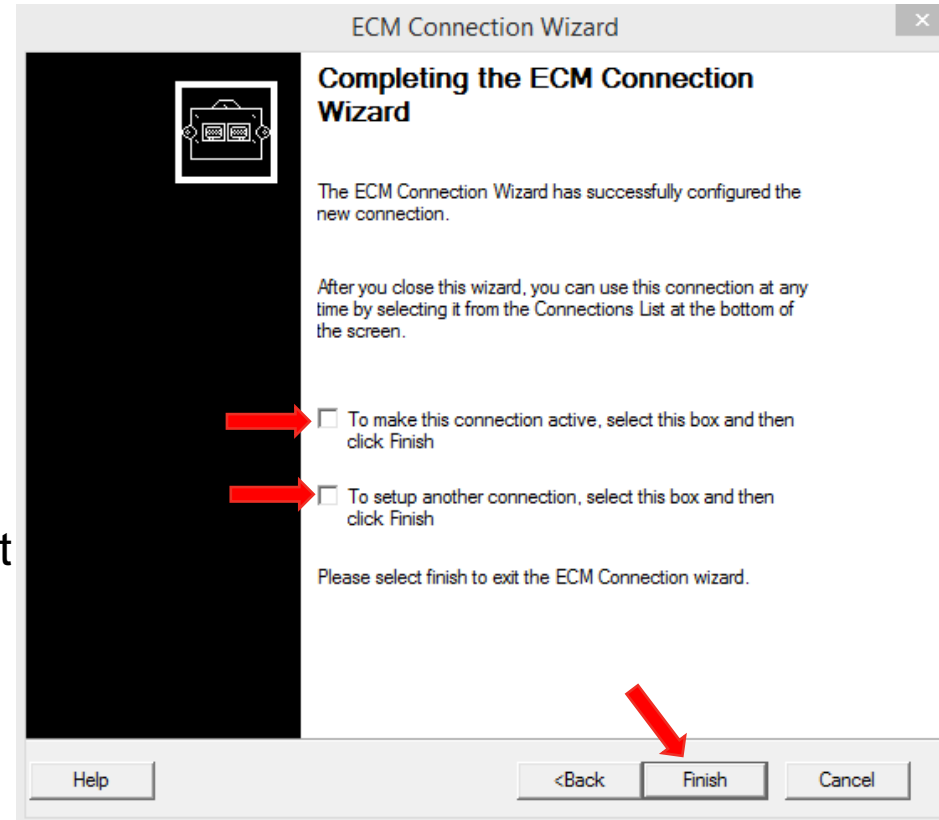
Please enter a name for the new connection.

Connection Name:
INLINE7, USB (J1939) Connection

Help <Back Next> Cancel

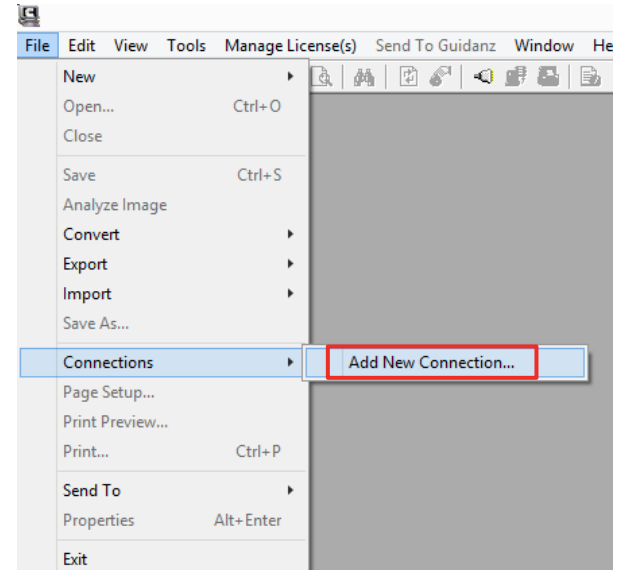
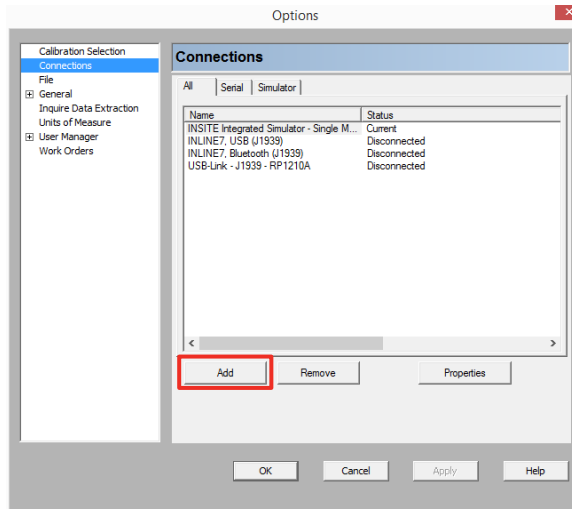
Adding New Connection

- If desired, select corresponding checkbox to make connection active.
- If desired, select corresponding checkbox to setup/add another connection.
- Click “Finish”
- NOTE: If another connection is not being created and connection is made active, the Connect to ECM dialog box will appear after finish.



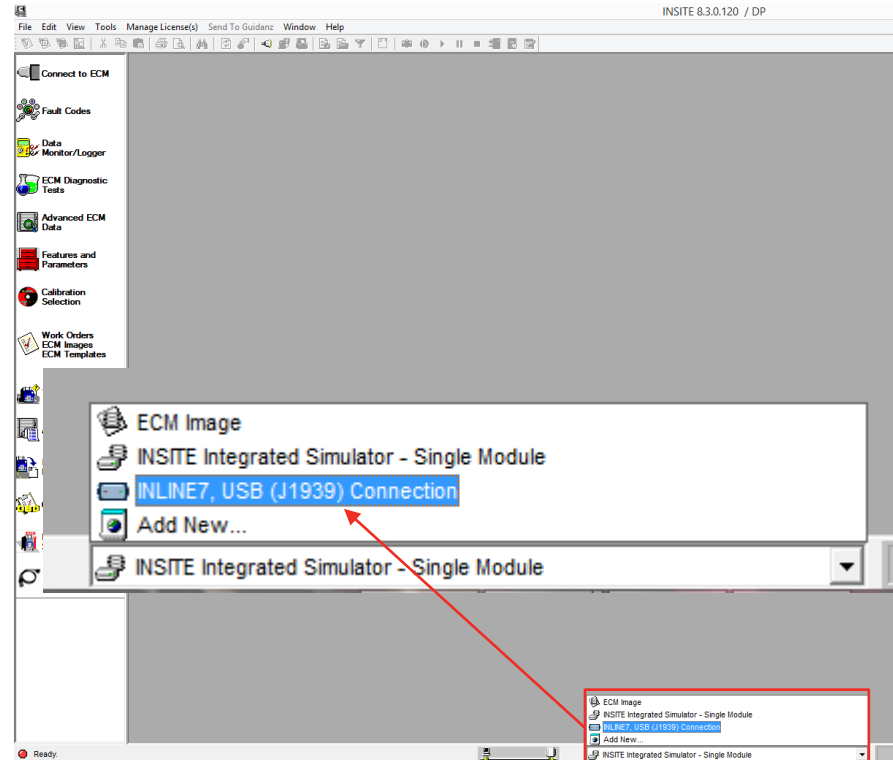
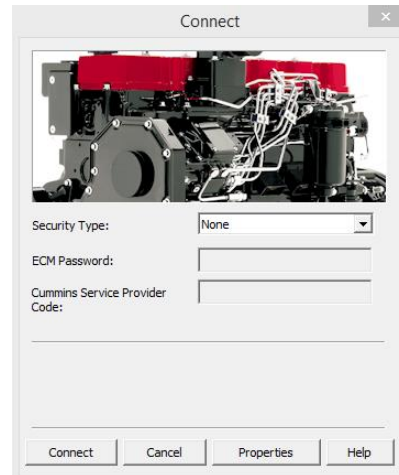
Adding New Connections

- Additional connections or simulators can be added by navigating the Menu Bar
 - Tools > Options > Connections
 - File > Connections > Add New Connection...



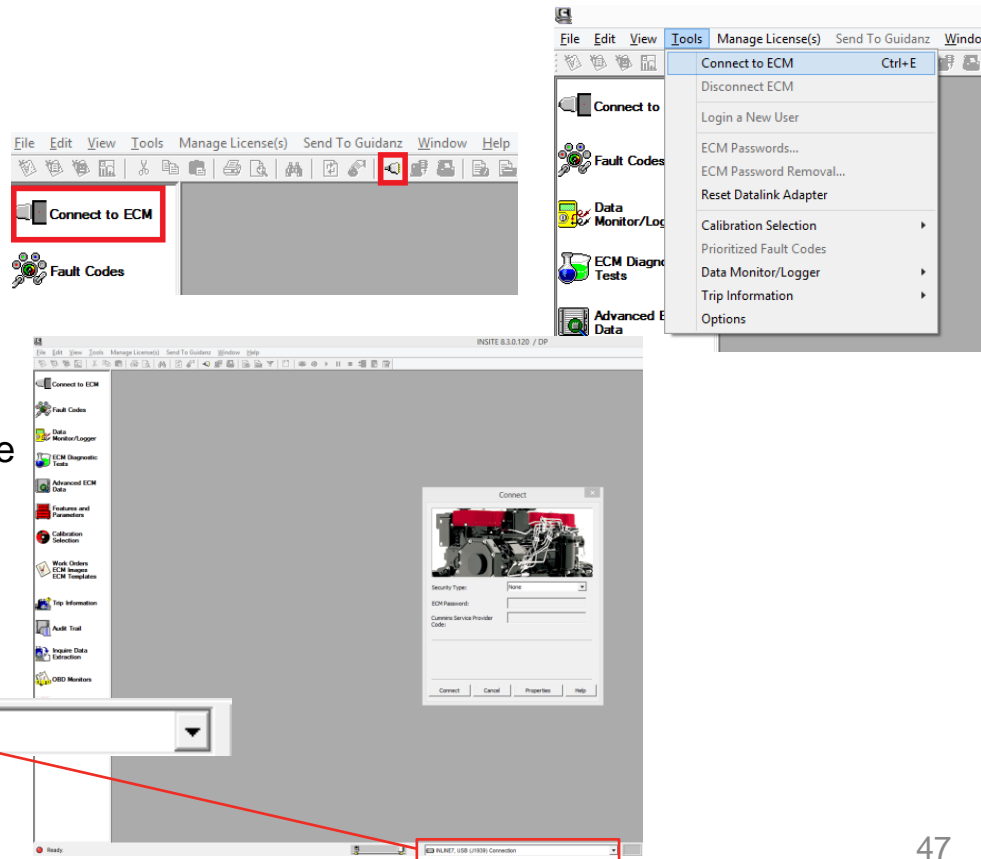
Selecting Connections

- Select connection from dropdown.
- Connect dialog box should appear after selecting desired connection.



Connecting to ECM

- Use the left View Bar “Connect to ECM” icon
- Click on Tool Bar icon
- From Menu Bar, click on Tools → Connect to ECM
- Use keyboard key shortcut Ctrl+E
- **IMPORTANT NOTE:** Always ensure the desired adapter is selected before attempting to connect to the ECM



Connecting to ECM

The screenshot shows the INSITE 8.3.0.120 / DP software interface. On the left is a vertical navigation pane with icons for 'Connect to ECM', 'Fault Codes', 'Data Monitor/Logger', 'ECM Diagnostic Tests', 'Advanced ECM Data', 'Features and Parameters', 'Calibration Selection', 'Work Orders', 'ECM Images', 'ECM Templates', 'Trip Information', 'Audit Trail', 'Inquire Data Extraction', 'OBD Monitors', 'Expert Diagnostic System', and 'J1939 Datalink Messages'. The main area is a large grey rectangle. Overlaid on this is a 'Connect' dialog box. The dialog box contains an image of an engine, a 'Security Type' dropdown menu set to 'None', an 'ECM Password' text field, and a 'Cummins Service Provider Code' text field. At the bottom of the dialog box are four buttons: 'Connect', 'Cancel', 'Properties', and 'Help'. The 'Connect' button is highlighted with a red rectangular box.

Clicking “Connect” button will start establishing datalink connection to ECM.



Fault Codes

Fault Information Systems

Fault Codes

- Fault Codes window displays an engine's fault data
- Each fault is represented by a Cummins fault code
 - Indicates a specific malfunction or abnormal condition within the controller, subsystem, or engine

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
	Fault Parameters	First	Last	Units					
CM2250	ECM Time (Key On Time)	003083:20:35		HHHHHH:MM:SS					
	Engine Hours	000399:16:25		HHHHHH:MM:SS					
	Keyoffs	0							
1117	Active	1	None	Power Supply Lost With Ignition On - Data Erratic, Intermittent, or Incorrect		251	2	2	3597
2272	Active	1	Amber	EGR Valve Position Circuit - Voltage Below Normal or Shorted to Low Source	27		4	4	27
2765	Active	1	None	Engine Injector Bank 1 Barcodes - Out of Calibration		392	13	13	2797
3314	Active	1	Amber	Aftertreatment 1 Diesel Oxidation Catalyst Intake Temperature Sensor Circuit - Voltage Above Normal or Shorted to High Source			3	3	4765
3317	Active	1	Amber	Aftertreatment 1 Diesel Particulate Filter Intake Temperature Sensor Circuit - Voltage Above Normal or Shorted to High Source			3	3	3242

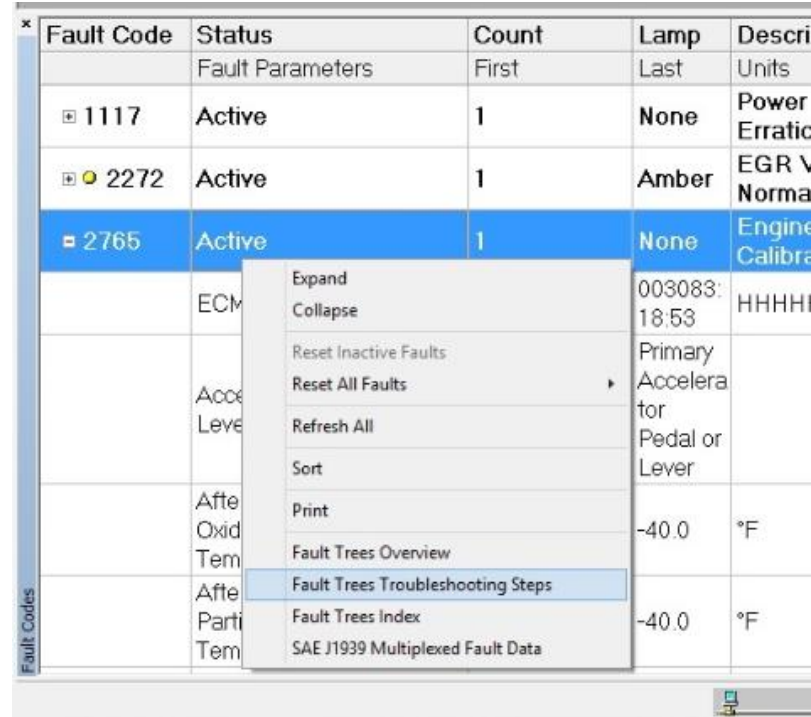
Fault Codes

- Additional data can be viewed for each fault code by clicking to expand the fault

x	Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI	SPN
		Fault Parameters	First	Last	Units					
	1117	Active	1	None	Power Supply Lost With Ignition On - Data Erratic, Intermittent, or Incorrect		251	2	2	3597
	2272	Active	1	Amber	EGR Valve Position Circuit - Voltage Below Normal or Shorted to Low Source	27		4	4	27
	2765	Active	1	None	Engine Injector Bank 1 Barcodes - Out of Calibration		392	13	13	2797
		ECM Time (Key On Time)	003083 18:53	003083 18:53	HHHHHH MM.SS					
		Accelerator Pedal or Lever Indicator	Primary Accelerator Pedal or Lever	Primary Accelerator Pedal or Lever						
		Aftertreatment Diesel Oxidation Catalyst Intake Temperature	-40.0	-40.0	*F					
		Aftertreatment Diesel Particulate Filter Intake Temperature	-40.0	-40.0	*F					

Fault Information System

- Fault Codes window provides link to troubleshooting information
- Accessed by right-clicking on a displayed fault and selecting “Fault Trees Troubleshooting Steps”
- Right-click menu also allows sorting and printing fault codes



Fault Code	Status	Count	Lamp	Descri
	Fault Parameters	First	Last	Units
1117	Active	1	None	Power Erratic
2272	Active	1	Amber	EGR V Normal
2765	Active	1	None	Engine Calibra
	ECM		003083: 18.53	HHHHH
	Accel Level		Primary Accelerator Pedal or Lever	
	After Oxid Temp		-40.0	°F
	After Parti Temp		-40.0	°F

- Expand
- Collapse
- Reset Inactive Faults
- Reset All Faults
- Refresh All
- Sort
- Print
- Fault Trees Overview
- Fault Trees Troubleshooting Steps
- Fault Trees Index
- SAE J1939 Multiplexed Fault Data

Fault Information System

- Follow steps accordingly in troubleshooting information.

QSL9 CM2250 L115 (F154388629)

FAULT CODE 2765
Engine Injector Bank 1 Barcodes - Out of Calibration

Overview

CODE	REASON	EFFECT
Fault Code: 2765 PID: S392 SPN: 2797 FMI: 13/13 LAMP: None SRT:	Engine Injector Bank 1 Barcodes - Out of Calibration. Invalid injector barcode information has been entered, or has not been entered at all.	None on performance.

ISX11.9 CM2250/ISC8.3 and ISL9 CM2250/ISX15 CM2250 - Electronic Control Module

Code	Status	Severity	Count	First Occurrence	Last Occurrence	First Mileage	Last Mileage	First Time	Last Time
1117	Active	1	None	Power Supply Lost With Ignition On - Data Erratic, Intermittent, or Incorrect	251	2	2	3587	
2272	Active	1	Amber	EGR Valve Position Circuit - Voltage Below Normal or Shorted to Low Source	27	4	4	27	
2765	Active	1	None	Engine Injector Bank 1 Barcodes - Out of Calibration	392	13	13	2797	
				ECM Time (Key On Time)	003083:18:53			003083:18:53	HHHHHH:MM:SS
				Accelerator Pedal or Lever Indicator	Primary Accelerator Pedal or Lever			Primary Accelerator Pedal or Lever	
				Aftertreatment Diesel Oxidation Catalyst Intake Temperature	-40.0			-40.0	°F
				Aftertreatment Diesel Particulate Filter Intake Temperature	-40.0			-40.0	°F

Connected to ECM. NLNET_USB (J1939) Connection RP1210A (J1939) Firmware: 0.016019

Clearing Fault Codes

- Fault codes can be cleared by right-clicking in the fault code window, selecting Refresh All Faults, then clicking All as shown.
- A key cycle will be required after clearing fault codes
- Only fault codes marked “Inactive” will be cleared.
- Any fault codes marked “Active” will re-display in fault code window after key cycle. (If the fault is still present.)

Fault Code	Status	Count	Lamp	Description
	Fault Parameters			Units
[-] CM2250	ECM Time (Key C			HHHHH:MM:SS
	Engine Hours			HHHHH:MM:SS
	Keyoffs			
[+] 1117	Active			
[+] 2272	Active			
[+] 2765	Active			
[+] 3314	Active			
[+] 3317	Active	1	Amber	Aftertreatment 1 Diesel O: Intake Temperature Sense Above Normal or Shorted

- Expand All
- Collapse All
- Reset Inactive Faults
- Reset All Faults
- Refresh All
- Sort
- Print
- Fault Trees Overview
- Fault Trees Troubleshooting Steps
- Fault Trees Index
- SAE J1939 Multiplexed Fault Data

- All
- Selected ECM



Data Monitor / Logger

Data Monitor / Logger

- Predefined and Custom Parameter Groups available to allow common monitors to be selected quickly

Parameter	Value	Units	Minimum Measured	Maximum Measured
Accelerator Pedal Or Lever Position Sensor 2 Signal Voltage	3.69	V		3.69
Accelerator Pedal Or Lever Position Sensor 2 Supply Voltage	5.01	V	5.00	5.02
Accelerator Pedal or Lever Position Sensor Signal Voltage	3.69	V		3.69
Accelerator Pedal or Lever Position Sensor Supply Voltage	5.02	V	5.01	5.02
Active Accelerator Type		Dual Analog		
Aftertreatment Diesel Exhaust Fluid Dosing Unit Heater State		Initializing		
Aftertreatment Diesel Exhaust Fluid Dosing Unit State		Initializing		
Aftertreatment Diesel Exhaust Fluid Dosing Valve Commanded Position		Closed		
Aftertreatment Diesel Exhaust Fluid Lamp Status		On		
Aftertreatment Diesel Exhaust Fluid Line Heater 1 Status		Off		
Aftertreatment Diesel Exhaust Fluid Line Heater 2 Status		Off		
Aftertreatment Diesel Exhaust Fluid Line Heater 3 Status		Off		
Aftertreatment Diesel Exhaust Fluid Pressure	-14.6	psi	-14.5	-14.5
Aftertreatment Diesel Exhaust Fluid Pressure Sensor Voltage	0.0	V	0.0	0.0
Aftertreatment Diesel Exhaust Fluid Quality	32.5	percent	32.5	32.5
Aftertreatment Diesel Exhaust Fluid Reverting Valve Position		Closed		
Aftertreatment Diesel Exhaust Fluid Tank Heating Valve Position Commanded		Closed		
Aftertreatment Diesel Exhaust Fluid Tank Level	0	percent	0	0
Aftertreatment Diesel Exhaust Fluid Tank Level Sensor Voltage	4.8	V	4.8	4.8
Aftertreatment Diesel Exhaust Fluid Tank Temperature	-58	°F	-58	-58
Aftertreatment Diesel Exhaust Fluid Tank Temperature Sensor Voltage	4.99	V	4.99	5.00
Aftertreatment Diesel Exhaust Fluid Used	0.0	gal	0.0	0.0
Aftertreatment Diesel Oxidation Catalyst Intake Temperature	302.0	°F	302.0	302.0
Aftertreatment Diesel Particulate Filter Differential Pressure	0.00	inHg	0.00	0.00
Aftertreatment Diesel Particulate Filter Differential Pressure Sensor Signal Voltage	0.00	V	0.00	0.00
Aftertreatment Diesel Particulate Filter Intake Temperature	302.0	°F	302.0	302.0

Data Monitor / Logger

- Ability to select all monitor parameters available or select monitor parameters individually

The screenshot shows the Cummins Data Monitor / Logger software interface. The left sidebar contains a tree view of parameter groups, with 'All Parameters' selected. The main window displays a table of parameters with columns for Parameter, Value, Units, Minimum Measured, and Maximum Measured. A red arrow points to the 'All Parameters' option in the tree view, and another red arrow points to the 'Engine Oil Pressure Sensor Signal Voltage' parameter in the table.









Parameter	Value	Units	Minimum Measured	Maximum Measured
Accelerator Pedal Or Lever Position Sensor 2 Signal Voltage	3.69	V		3.69
Accelerator Pedal Or Lever Position Sensor 2 Supply Voltage	5.01	V	5.00	5.02
Accelerator Pedal or Lever Position Sensor Signal Voltage	3.69	V		3.69
Accelerator Pedal or Lever Position Sensor Supply Voltage	5.02	V	5.01	5.02
Active Accelerator Type		Dual Analog		
Aftertreatment Diesel Exhaust Fluid Dosing Unit Heater State		Initializing		
Aftertreatment Diesel Exhaust Fluid Dosing Unit State		Initializing		
Aftertreatment Diesel Exhaust Fluid Dosing Valve Commanded Position		Closed		
Aftertreatment Diesel Exhaust Fluid Lamp Status		On		
Aftertreatment Diesel Exhaust Fluid Line Heater 1 Status		Off		
Aftertreatment Diesel Exhaust Fluid Line Heater 2 Status		Off		
Aftertreatment Diesel Exhaust Fluid Line Heater 3 Status		Off		
Aftertreatment Diesel Exhaust Fluid Pressure	-14.6	psi	-14.5	-14.5
Aftertreatment Diesel Exhaust Fluid Pressure Sensor Voltage	0.0	V	0.0	0.0
Aftertreatment Diesel Exhaust Fluid Quality	32.5	percent	32.5	32.5
Aftertreatment Diesel Exhaust Fluid Reverting Valve Position		Closed		
Aftertreatment Diesel Exhaust Fluid Tank Heating Valve Position Commanded		Closed		
Aftertreatment Diesel Exhaust Fluid Tank Level	0	percent	0	0
Aftertreatment Diesel Exhaust Fluid Tank Level Sensor Voltage	4.8	V	4.8	4.8
Aftertreatment Diesel Exhaust Fluid Tank Temperature	-58	°F	-58	-58
Aftertreatment Diesel Exhaust Fluid Tank Temperature Sensor Voltage	4.99	V	4.99	5.00
Aftertreatment Diesel Exhaust Fluid Used	0.0	gal	0.0	0.0
Aftertreatment Diesel Oxidation Catalyst Intake Temperature	302.0	°F	302.0	302.0
Aftertreatment Diesel Particulate Filter Differential Pressure	0.00	inHg	0.00	0.00
Aftertreatment Diesel Particulate Filter Differential Pressure Sensor Signal Voltage	0.00	V	0.00	0.00
Aftertreatment Diesel Particulate Filter Intake Temperature	302.0	°F	302.0	302.0

Data Monitor / Logger

- Ability to view minimum and maximum measured values of values read by INSITE while the parameters are being monitored

Parameter	Value	Units	Minimum Measured	Maximum Measured
Accelerator Pedal Or Lever Position Sensor 2 Signal Voltage	3.69	V	3.69	3.69
Accelerator Pedal Or Lever Position Sensor 2 Supply Voltage	5.01	V	5.00	5.02
Accelerator Pedal or Lever Position Sensor Signal Voltage	3.69	V	3.69	3.69
Accelerator Pedal or Lever Position Sensor Supply Voltage	5.02	V	5.01	5.02
Active Accelerator Type		Dual Analog		
Aftertreatment Diesel Exhaust Fluid Dosing Unit Heater State		Initializing		
Aftertreatment Diesel Exhaust Fluid Dosing Unit State		Initializing		
Aftertreatment Diesel Exhaust Fluid Dosing Valve Commanded Position		Closed		
Aftertreatment Diesel Exhaust Fluid Lamp Status		On		
Aftertreatment Diesel Exhaust Fluid Line Heater 1 Status		Off		
Aftertreatment Diesel Exhaust Fluid Line Heater 2 Status		Off		
Aftertreatment Diesel Exhaust Fluid Line Heater 3 Status		Off		
Aftertreatment Diesel Exhaust Fluid Pressure	-14.6	psi	-14.5	-14.5
Aftertreatment Diesel Exhaust Fluid Pressure Sensor Voltage	0.0	V	0.0	0.0
Aftertreatment Diesel Exhaust Fluid Quality	32.5	percent	32.5	32.5
Aftertreatment Diesel Exhaust Fluid Reverting Valve Position		Closed		
Aftertreatment Diesel Exhaust Fluid Tank Heating Valve Position Commanded		Closed		
Aftertreatment Diesel Exhaust Fluid Tank Level	0	percent	0	0
Aftertreatment Diesel Exhaust Fluid Tank Level Sensor Voltage	4.8	V	4.8	4.8
Aftertreatment Diesel Exhaust Fluid Tank Temperature	-58	°F	-58	-58
Aftertreatment Diesel Exhaust Fluid Tank Temperature Sensor Voltage	4.99	V	4.99	5.00
Aftertreatment Diesel Exhaust Fluid Used	0.0	gal	0.0	0.0
Aftertreatment Diesel Oxidation Catalyst Intake Temperature	302.0	°F	302.0	302.0
Aftertreatment Diesel Particulate Filter Differential Pressure	0.00	inHg	0.00	0.00
Aftertreatment Diesel Particulate Filter Differential Pressure Sensor Signal Voltage	0.00	V	0.00	0.00
Aftertreatment Diesel Particulate Filter Intake Temperature	302.0	°F	302.0	302.0

Data Monitor / Logger

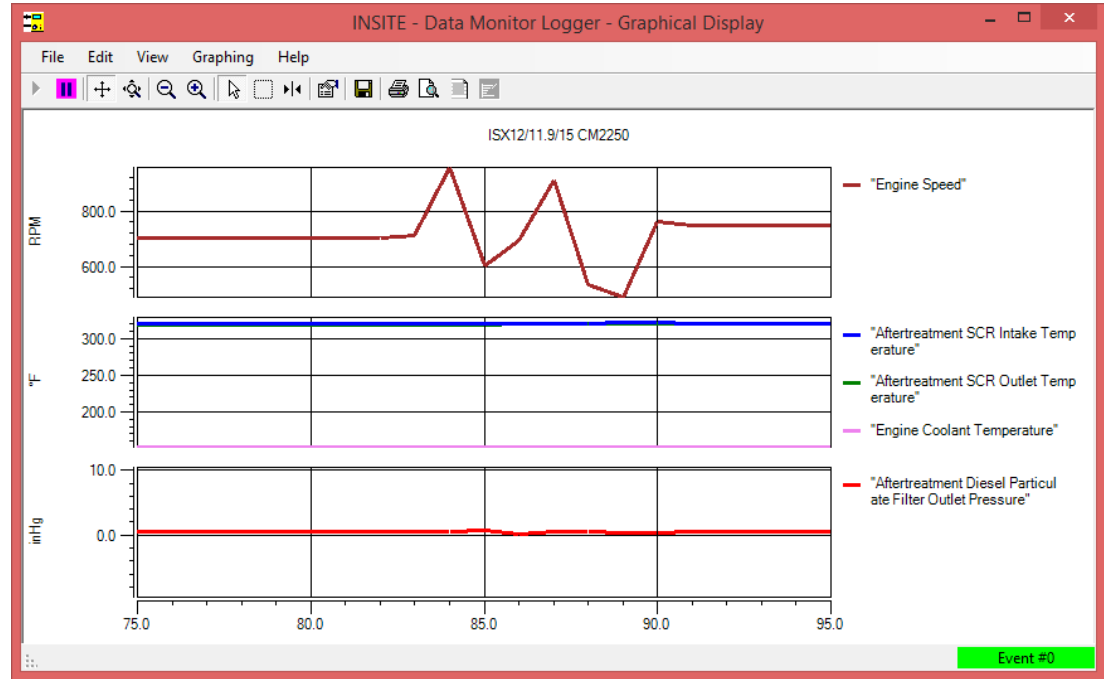
- Method to view or log live engine data at a user defined sample rate.
 - Monitor data:
 - View selected parameters to display
 - Start\Resume 
 - Pause 
 - Stop 
 - Log data: 
 - Continuous logged data for each parameter selected and saved to a file for analysis
 - Snapshot: 
 - Single data point logged for each parameter selected and saved to a file for analysis
 - Start Graphical Monitoring 
 - Graphical Monitoring for up to six (6) parameters
 - Set Sampling Rate 
 - User settings for parameter sample rate
 - Setup Event Marker 
 - Used to setup event markers to mark events in log files

Data Monitor / Logger

- An event can be marked while logging in the main Data Monitor / Logger screen, or when in Graphical Monitoring, by pressing the spacebar
- This provides the option to enable or disable the Event Marker as well as providing the option to create comments for event markers
- The Log file contains the Event Marker Description.
- Data Monitor/Logger provides a means to View, Log or Snapshot live engine data
- Log and Snapshot files can be saved as a CSV or Tab delimited (.txt) files for analysis in Excel
- The Data Monitor/Logger appearance can be modified through Tools → Options to display data in a larger font

Graphical Monitoring

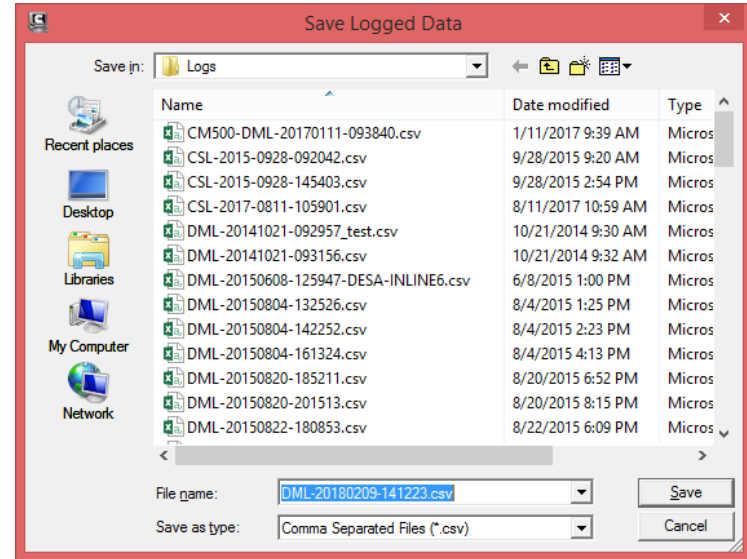
- Graphical Monitoring is a way to display, log, print, and save data for up to six parameters in a graph
- Graphical Monitoring visually monitors and plots multiple parameters into a graphical display
- Graphical Monitoring also supports importing graphical logs and playback of the log



Data Monitor / Logger

Converting a Log file for external use:

- Generate a Log File
- Save the Log File
 - INSITE prompts to save once **Stop** has been selected in Data Monitor/Logger
 - The log files or the snapshot files are saved as Comma Separated Value (CSV) files
 - This file is saved to the hard drive in the **C:\Intelect\Insite\Logs** Directory or to the drive INSITE is installed
 - User Comments can be added to the Log File



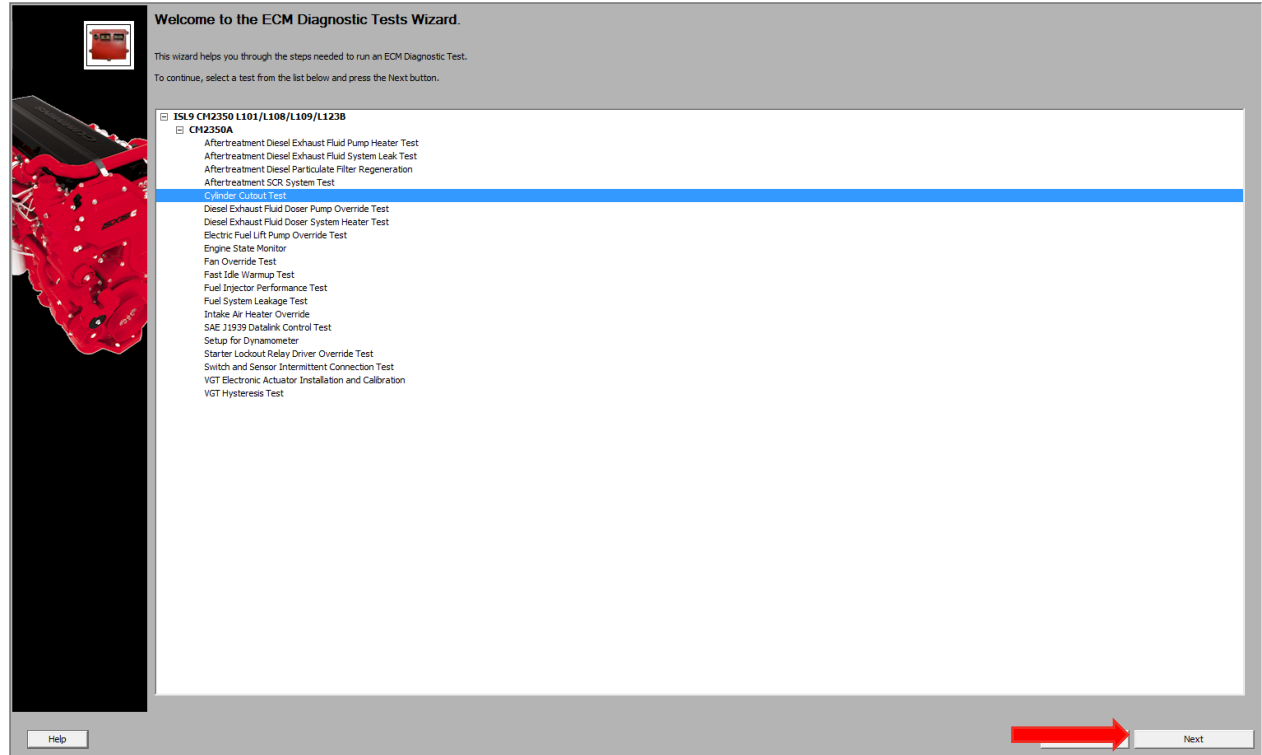


Diagnostic Tests

Advanced ECM Data








Diagnostic Tests

- Displays tests available for the connected engine
- Each engine supports different diagnostic tests
- Select the desired test and click the “Next” button
- Always follow the directions of each test carefully



Advanced ECM Data

- Displays the special features available for the connected engine
- Each engine supports different special features
- Select the desired special feature
- Always follow the directions of each feature carefully

-  Disconnect from ECM
-  Fault Codes
-  Data Monitor/Logger
-  ECM Diagnostic Tests
-  **Advanced ECM Data**
-  Features and Parameters
-  Calibration Selection

ISL9 CM2350

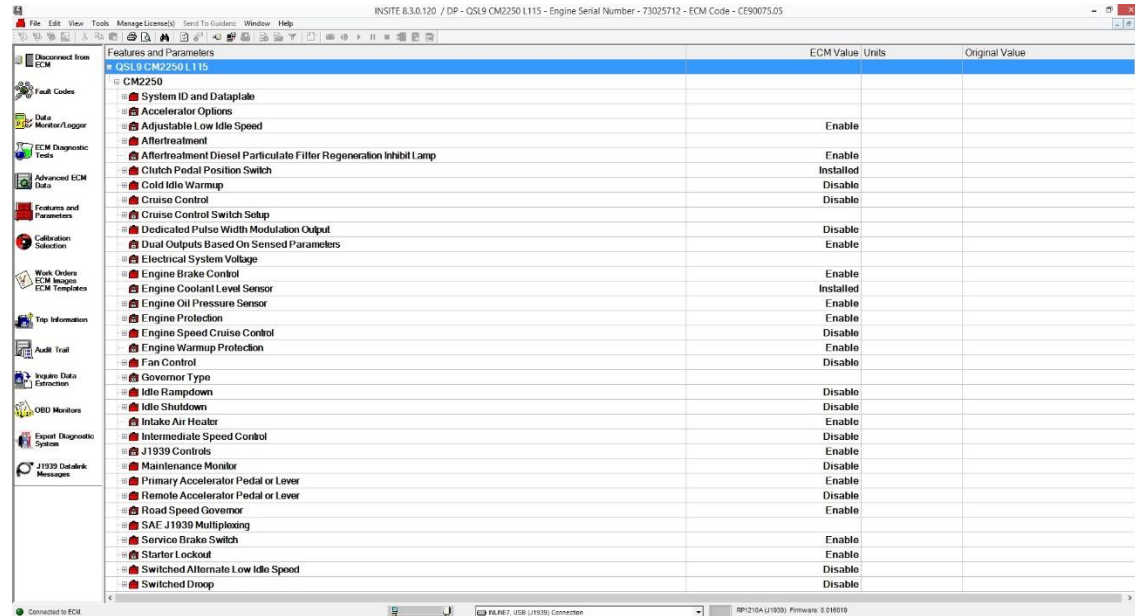
- [-] **L101/L108/L109/L123 B**
 - [-] **CM2350A**
 - Aftertreatment History
 - Aftertreatment Maintenance
 - Aftertreatment Maintenance Filter Installation
 - Anti-Theft Protection
 - Duty Cycle Monitor
 - Engine Abuse History
 - Engine Protection
 - [-] Engine Protection Setting
 - Torque Derate
 - RPM Derate
 - ShutDown
 - Fuel Injector Reset
 - SAE J1939 Multiplexed Fault Data
 - Turbocharger Actuator Compatibility



Features & Parameters







Features & Parameters

- Allows licensed user to make changes to ECM settings
- Multiple adjustments can be done at one time
- Tool Tips are available that help in adjusting parameters and viewing limits
- Feature group categories can be expanded or collapsed to adjust parameters




Features and Parameters	ECM Value	Units	Original Value
System ID and Dataplate			
Accelerator Options			
Adjustable Low Idle Speed		Enable	
Aftertreatment			
Aftertreatment Diesel Particulate Filter Regeneration Inhibit Lamp		Enable	
Clutch Pedal Position Switch		Installed	
Cold Idle Warmup		Disable	
Cruise Control		Disable	
Cruise Control Switch Setup			
Dedicated Pulse Width Modulation Output		Disable	
Dual Outputs Based On Sensed Parameters		Enable	
Electrical System Voltage			
Engine Brake Control		Enable	
Engine Coolant Level Sensor		Installed	
Engine Oil Pressure Sensor		Enable	
Engine Protection		Enable	
Engine Speed Cruise Control		Disable	
Engine Warmup Protection		Enable	
Fan Control		Disable	
Governor Type			
Idle Rampdown		Disable	
Idle Shutdown		Disable	
Intake Air Heater		Enable	
Intermediate Speed Control		Disable	
J1939 Controls		Enable	
Maintenance Monikr		Disable	
Primary Accelerator Pedal or Lever		Enable	
Remote Accelerator Pedal or Lever		Disable	
Road Speed Governor		Enable	
SAE J1939 Multiplexing			
Service Brake Switch		Enable	
Starter Lockout		Enable	
Switched Alternate Low Idle Speed		Disable	
Switched Droop		Disable	

Features & Parameters

- Available features and parameters displayed are calibration based and will vary by engine family
 - Parameters are a subset of features
- Adjustable features and parameters will be displayed with  or  icons
- Selected features and parameters will be displayed with the  or  icons
- Some features and parameters may be locked and are indicated by  or  icons

CM2250
 System ID and Dataplate
 Accelerator Options
 Adjustable Low Idle Speed
 Aftertreatment
 Aftertreatment Diesel Particulate Filter Regeneration Inhibit Lamp
 Clutch Pedal Position Switch
 Cold Idle Warmup
 Cruise Control
 Cruise Control Switch Setup
 Dedicated Pulse Width Modulation Output
 Dual Outputs Based On Sensed Parameters
 Electrical System Voltage
 Engine Brake Control
 Engine Coolant Level Sensor
 Engine Oil Pressure Sensor
 Engine Protection
 Engine Speed Cruise Control
 Engine Warmup Protection
 Fan Control
 Governor Type
 Idle Rampdown
 Idle Shutdown
 Intake Air Heater
 Intermediate Speed Control
 J1939 Controls
 Maintenance Monitor
 Primary Accelerator Pedal or Lever
 Remote Accelerator Pedal or Lever
 Road Speed Governor
 SAE J1939 Multiplexing
 Service Brake Switch
 Starter Lockout
 Switched Alternate Low Idle Speed
 Switched Droop

Features & Parameters

- To change a parameter, navigate to the desired feature
- In the ECM Value column, enter or select the desired value
 - The new value should be displayed in the ECM Value column and previous value will be displayed in the Original Value column.
- Once all changes are made, right click in the Features and Parameters window and select Send To > ECM or click the “Send to ECM” button  in the menu bar
- Select OK in the Confirm ECM Adjustment window to confirm saving changes.
 - Key cycle will be required after changes are saved to ECM

The screenshot shows the 'Features and Parameters' window with a table of parameters. A 'Confirm ECM Adjustment' dialog box is open in the foreground, displaying a warning icon and the message: 'INSITE is ready to save changes to the ECM. While the operation is in progress, do not turn the keyswitch ON or OFF unless instructed to do so. Select OK to continue.' The dialog has 'OK' and 'Cancel' buttons. In the background, a context menu is open over the table, with 'Send To > ECM' selected. The table has columns for 'Source Address', 'ECM Value', 'Units', and 'Original Value'. The 'Cruise Control' row is highlighted in blue.

Source Address	ECM Value	Units	Original Value
254 - Null Address			
	Disable		
	Disable		
	Undefined		
254 - Null Address			
	Disable		
	Disable		
	Enable		Disable
	Disable		
	Disable		
	Disable		
	Disable		
	Disable		
	Disable		
	Disable		
	Disable		
	Disable		
	Disable		
	Disable		
	Disable		
	Disable		
	Disable		
	Disable		

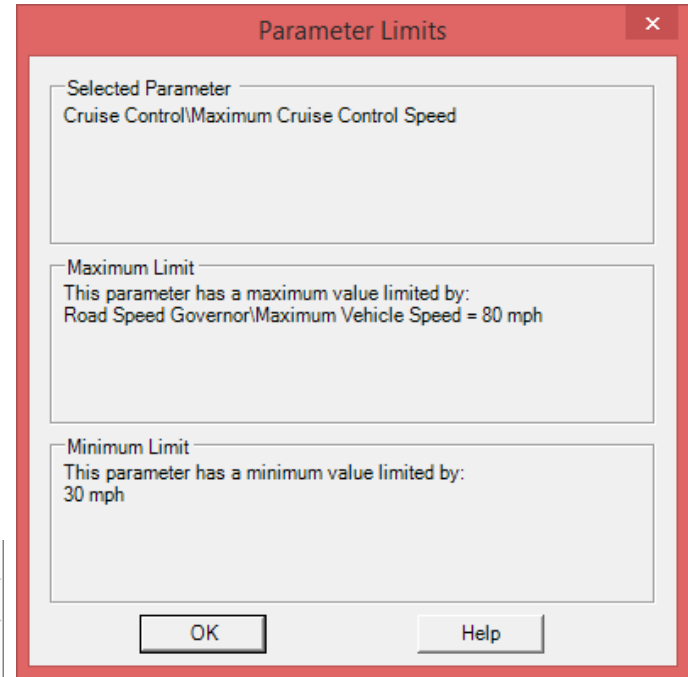
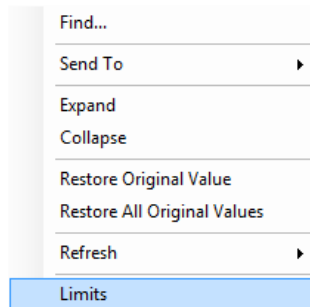
Features and Parameters for Multi-Module ECM(s)

- When connecting to a multi-module ECM you will see the primary and secondary ECM(s) in Features and Parameters.

Features and Parameters	ECM Value	Units	Original Value
QSK50/60 CM2350 MCRRS K108/K116/K117			
CM2350A10[Primary]			
System ID and Dataplate			
Accelerator Options	Enable		
Adjustable Low Idle Speed	Enable		
AEM Trend Log			
Aftertreatment			
Air Shut Off Valve	Enable		
Dual Outputs Based On Sensed Parameters	Enable		
Electrical System Voltage			
Engine Energy Produced	Enable		
Engine Oil Pressure Sensor	Enable		
Engine Protection	Enable		
Engine Warmup Protection	Enable		
Ether Injection	Disable		
Idle Shutdown	Disable		
Inducement Override Switch	Enable		
Intermediate Speed Control	Enable		
Load Management	Enable		
Primary Accelerator Pedal or Lever	Enable		
SAE J1939 Multiplexing			
Trip Information	Enable		
Water In Fuel Sensor	Installed		
CM2350A11[Secondary 1]			
System ID and Dataplate			
Aftertreatment			
Trip Information	Enable		
CM2350A144[Secondary 2]			
System ID and Dataplate			
Aftertreatment			

Features & Parameters

- Limits can be viewed by selecting “Limits” from the right-click menu within the Features and Parameters window.
- Limits will display the name as well as both minimum and maximum limits for the selected parameter.



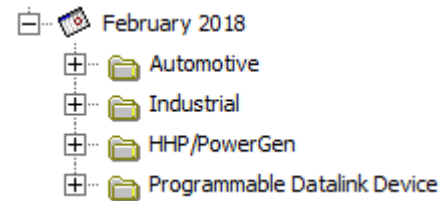


Calibration Selection

ECM/PDD Code Search

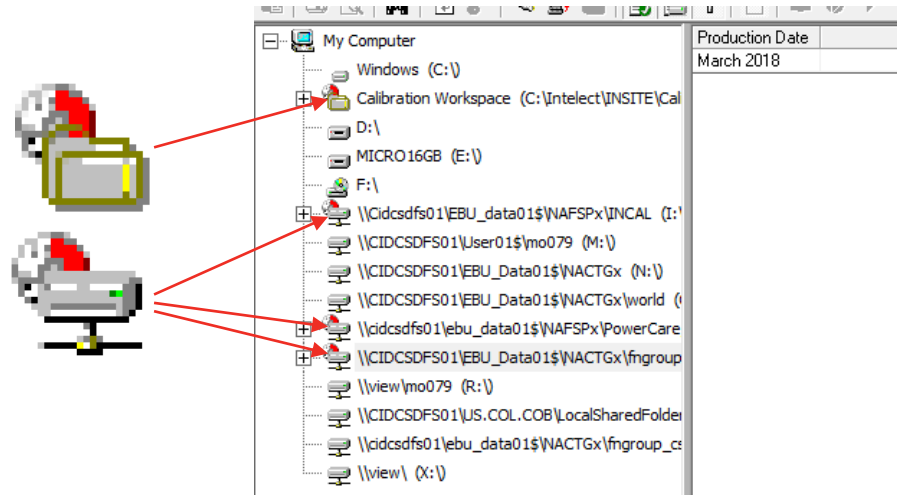
Calibration Selection

- Provides ability to update the configuration or change the rating of an engine
 - Requires Pro functionality license
- Products are sorted into groups
 - Automotive
 - Industrial
 - HHP/PowerGen
 - Programmable Datalink Device (PDD)



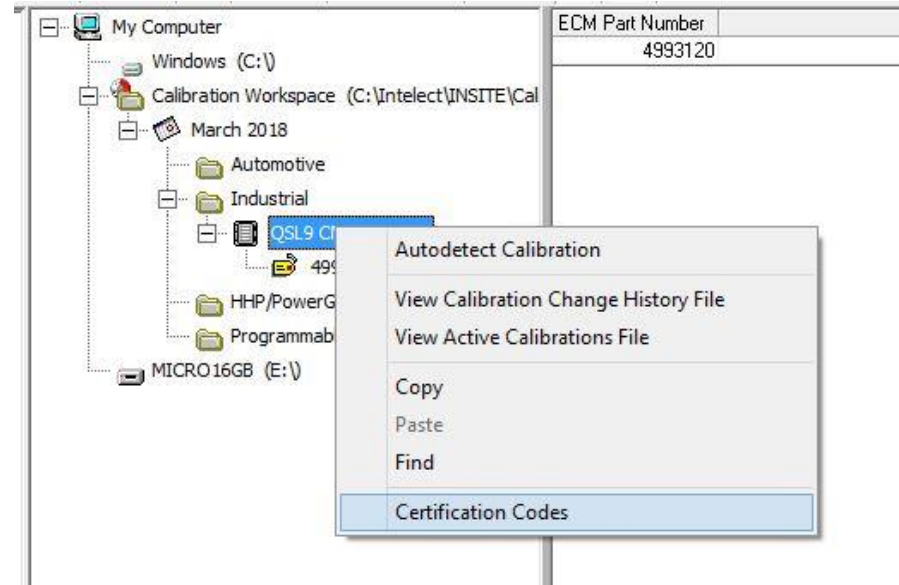
Calibration Selection

- Calibrations are detected in INSITE when INCAL DVD icon is displayed next to folder or drive



Adding Certification Codes

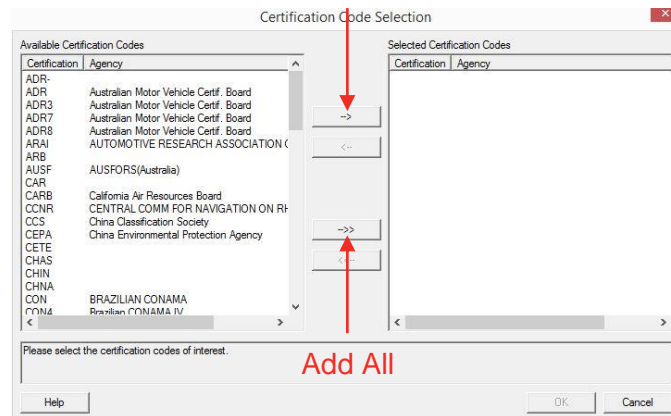
- Certification Codes will need to be selected prior to calibration download being performed initially.
 - Right-click the engine name
 - Select “Certification Codes”
- Certification Codes can also be selected from Tools>Calibration Selection>Certification Codes...



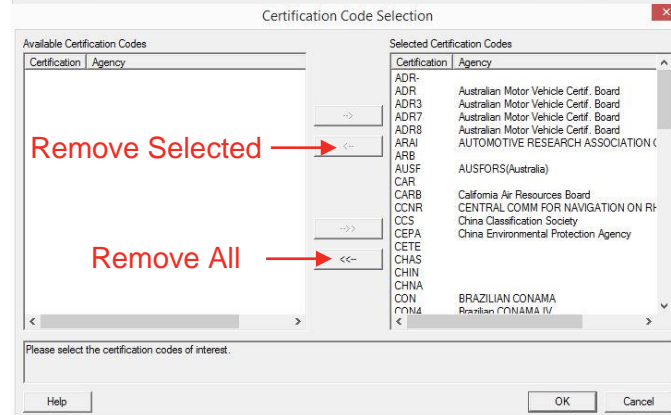
Add/Remove Certification Codes

- Adding/Removing Certification Codes can be done in several ways
 - Select desired certification codes from the list, then click the “Add/Remove Selected” button
 - Click the “Add/Remove All” button

Add Selected



Add All



Remove Selected

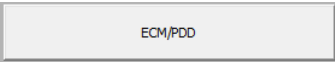
Remove All

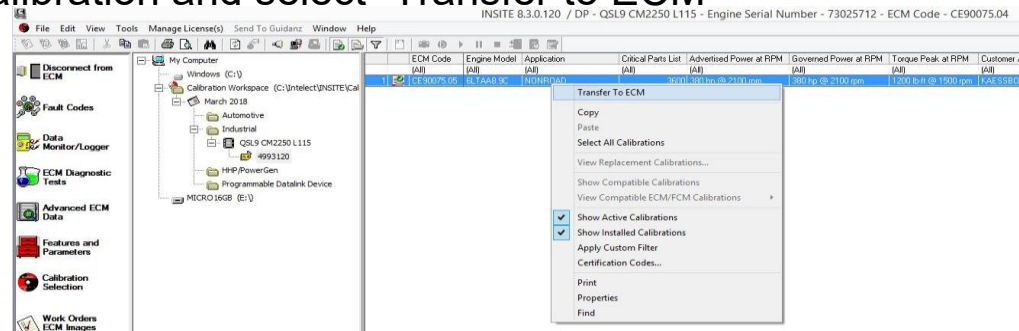


Fleet Counts

- A Fleet Count is not required when:
 - Calibrating an ECM to a new ECM Code revision
 - Superseding ECM Codes
- A Fleet Count is required when:
 - Calibrating a ROM booted ECM
 - Calibrating a New or RECON ECM
 - Changing to a different ECM Code
- Fleet Count passwords are entered using the Cummins License Configuration Tool (LCT)
- Fleet Counts can be obtained from local Distributors

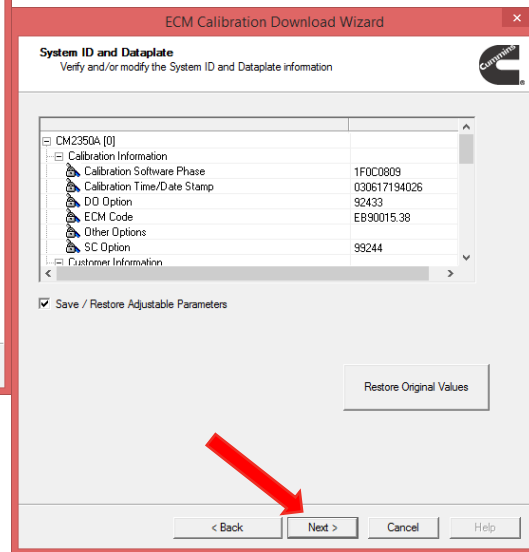
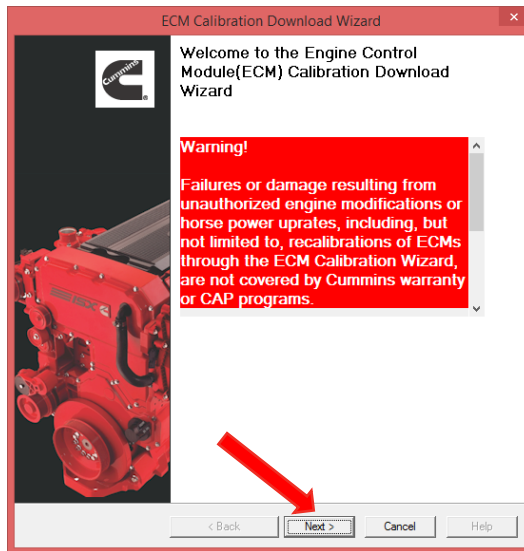
Performing A Calibration Download

- Connect to ECM
- Open Calibration Selection and select ECM\PDD button 
- If Auto-Detect is enabled, INSITE will automatically detect the calibration code currently in the ECM.
- If Auto-Detect is not enabled, locate desired calibration in Calibration Workspace or other location (such as INCAL DVD or network drive)
 - Requires downloading calibration from ECM Code Search in INSITE or through Quickserve
- Select calibration
- Right-click on calibration and select “Transfer to ECM”



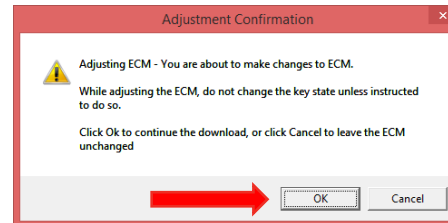
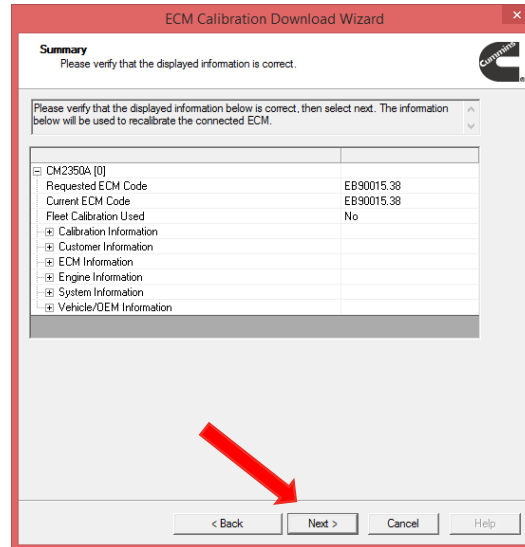
Performing A Calibration Download

- Click the Next button on the Calibration Download Wizard window
- Review the System ID and Dataplate information
 - Dataplate information can be edited in this window
 - The Restore Original Values button will undo all edits made
 - The Save/Restore Adjustable Parameters box is checked by default. (Recommended)
- Click the Next button



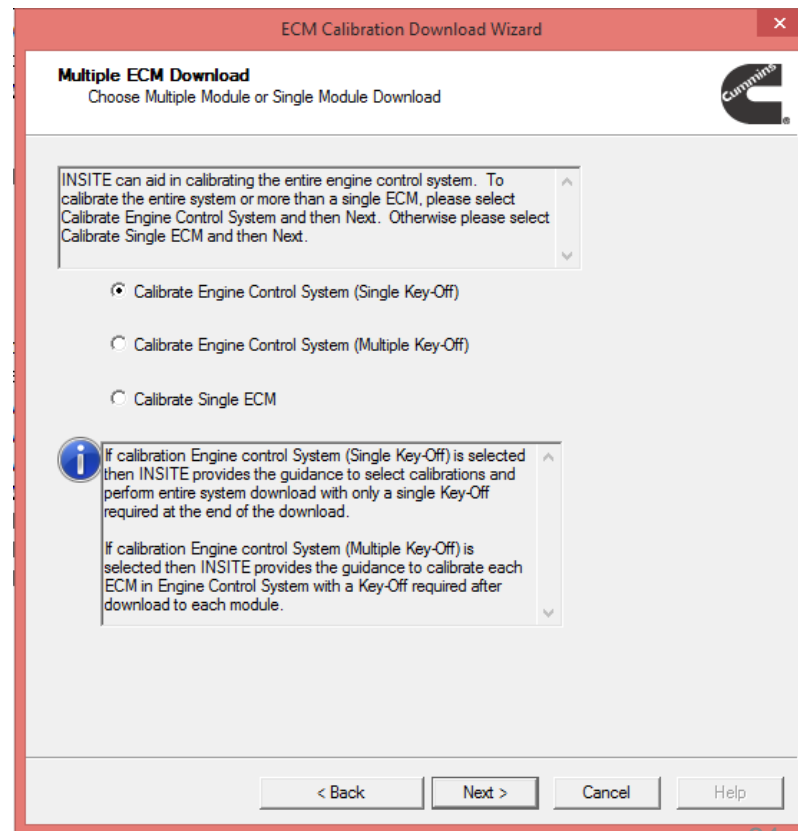
Performing A Calibration Download

- Verify the information in the Summary window
- Click the Next button to continue
- Review the Adjustment Confirmation window
 - Anytime, up to this point, you can cancel the download and go back
- Click on the OK button to continue



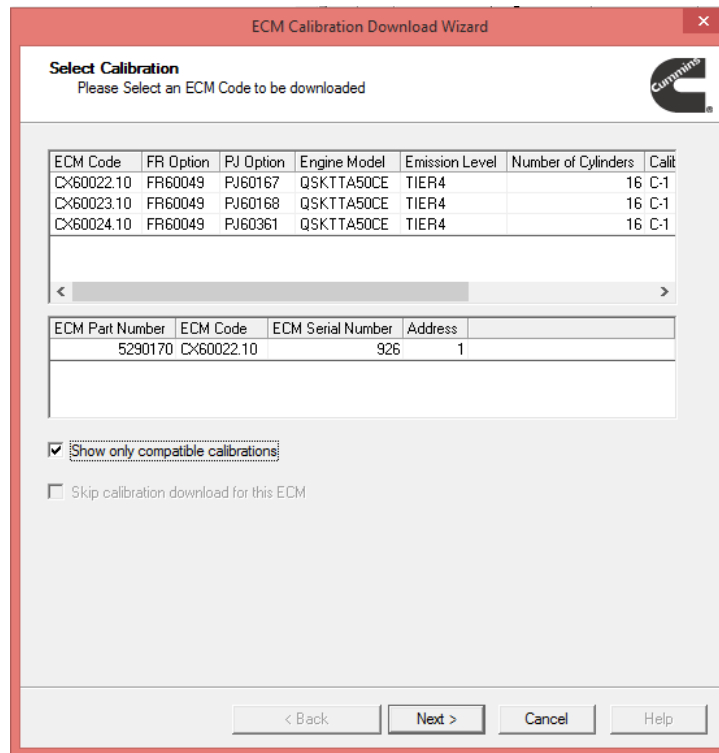
Performing a Multi-Module Calibration Download

- When connected to a primary and one or more secondary ECM(s), you will be prompted to select one of the following options:
 - Calibrate Engine Control System (Single Key-Off)
 - Calibrate Engine Control System (Multiple Key-Off)
 - Calibrate Single ECM



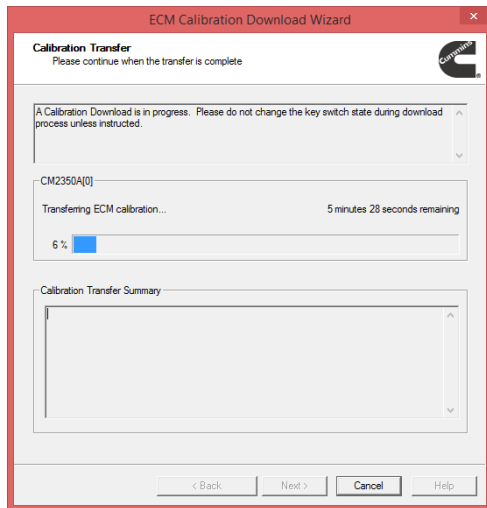
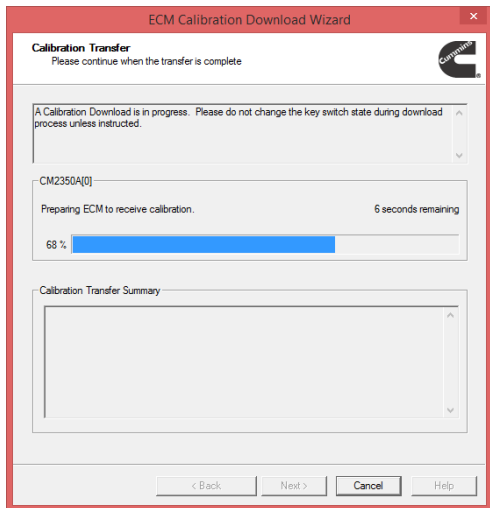
Performing a Multi-Module Calibration Download

- When using either the Calibrate Engine Control System (Single Key-Off) or the Calibrate Engine Control System (Multiple Key-Off) options, INSITE will display compatible secondary calibrations to select during the Select Calibration process.

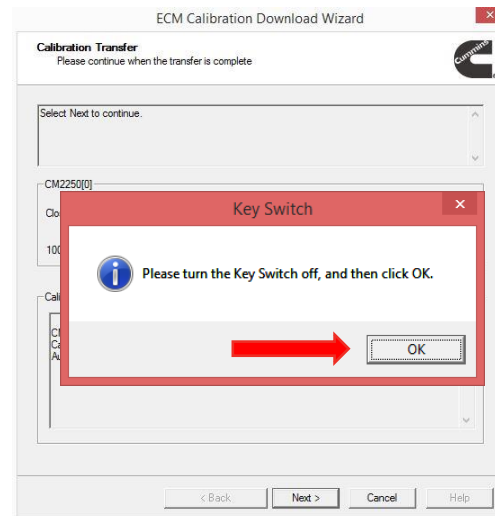


Performing A Calibration Download

- Calibration Transfer progress windows

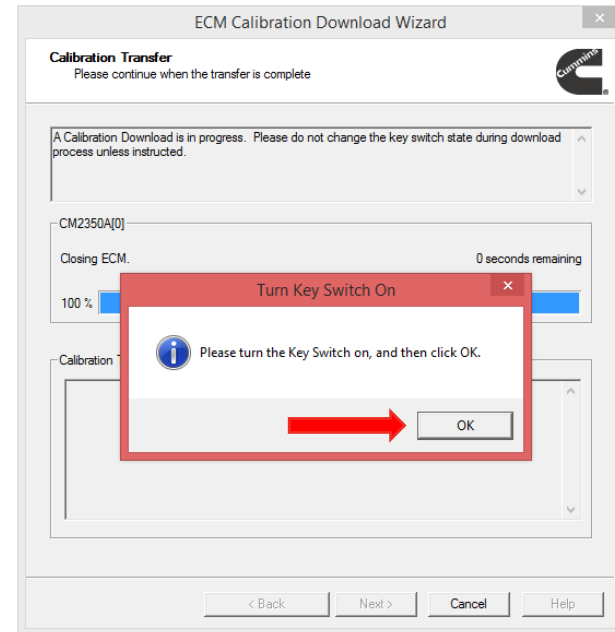
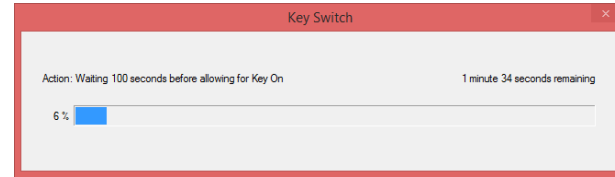


- Turn off the key switch and click on the OK button to continue



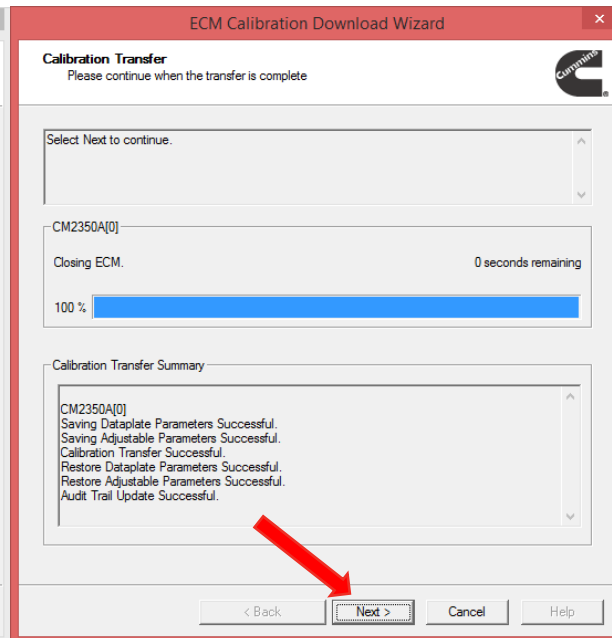
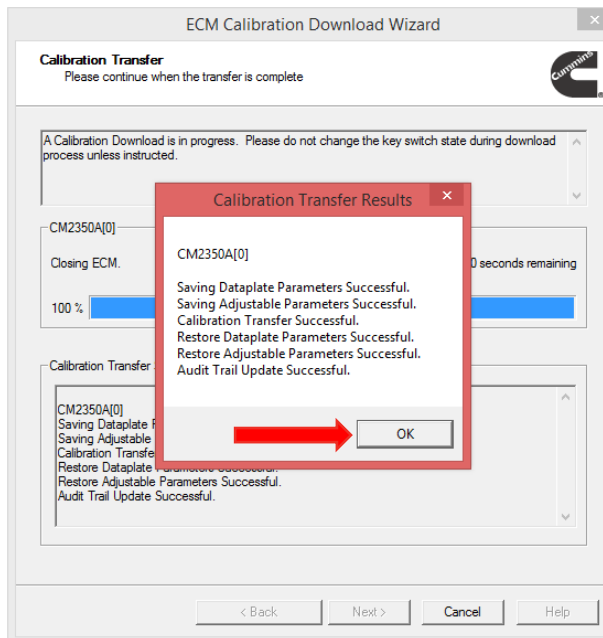
Performing A Calibration Download

- Calibration Transfer Key Switch progress message
- Turn on the key switch and click on the OK button to continue



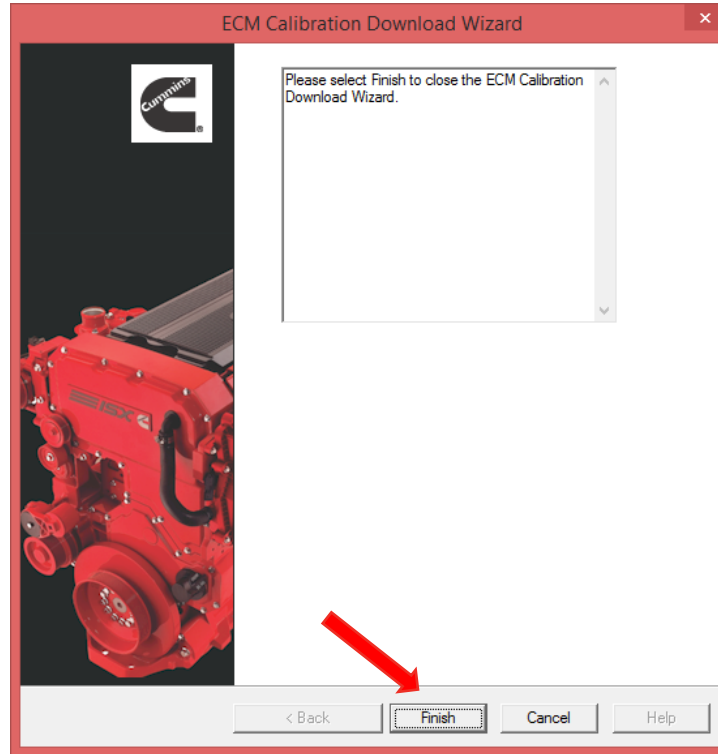
Performing A Calibration Download

- Calibration Transfer Results window
- Click the OK button to continue
- Calibration Transfer Complete window
- Click on the Next button to continue

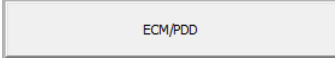


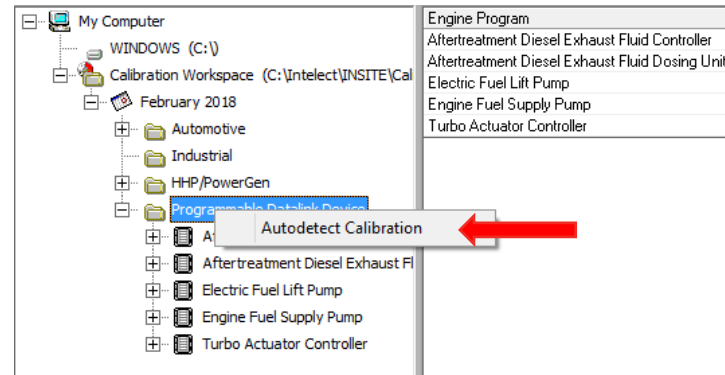
Performing A Calibration Download

- Click on the Finish button to close the ECM Calibration Download Wizard



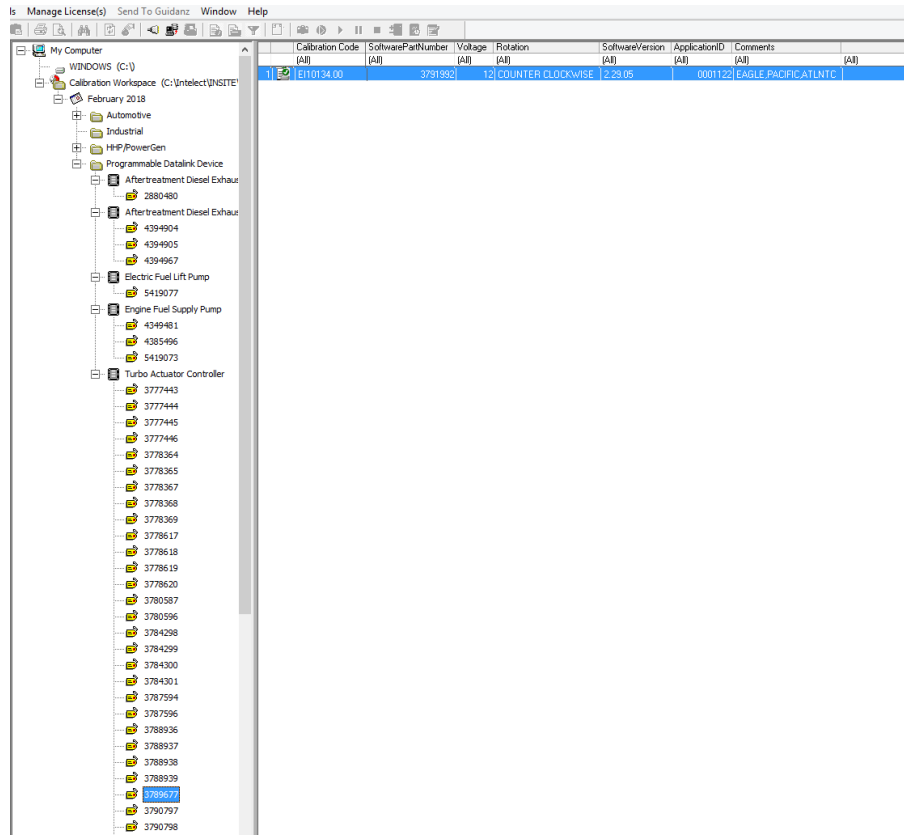
Performing A PDD Calibration Download

- Connect to ECM
- Open Calibration Selection and select ECM\PDD button 
- Right click on Programmable Datalink Device (PDD) and select Autodetect Calibration
- Or locate desired calibration
 - In Calibration Workspace
 - Requires downloading calibration from ECM Code Search in INSITE or through Quickserve
 - INCAL DVD
 - Network Drive



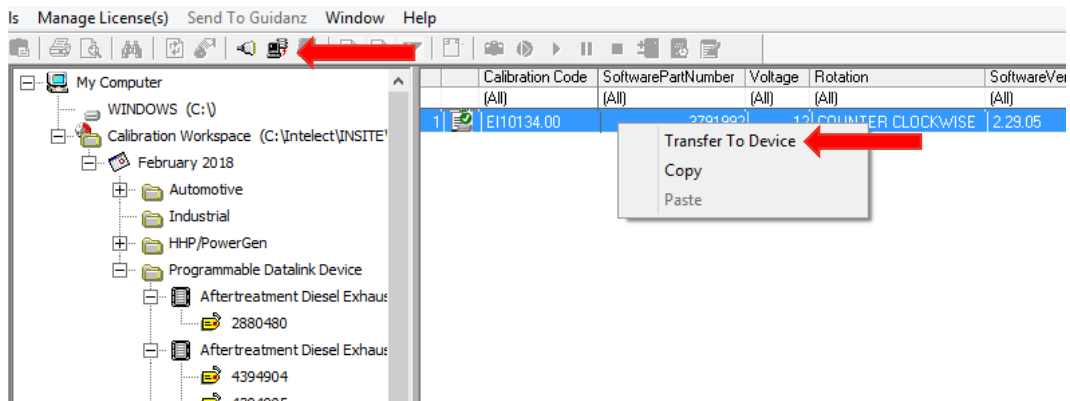
Performing A PDD Calibration Download

- Autodetect will find and select the appropriate calibration code for the connected PDD



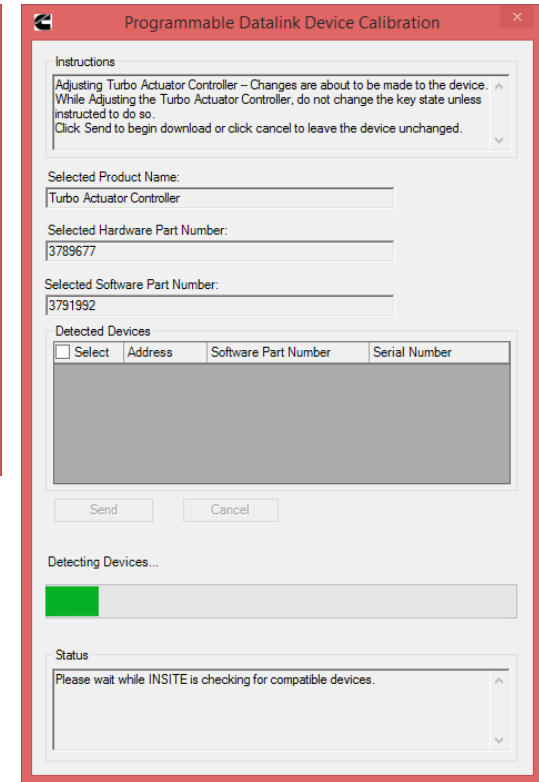
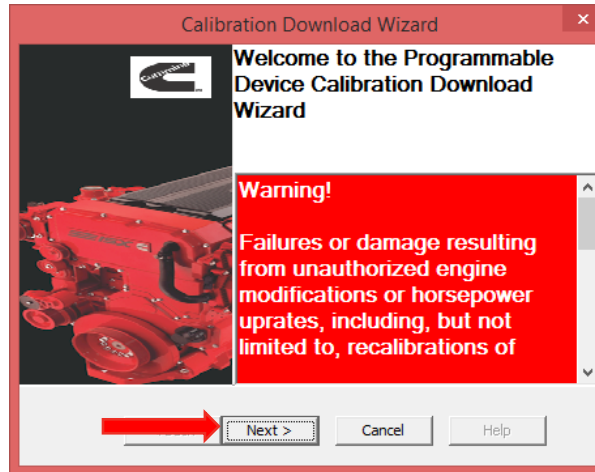
Performing A PDD Calibration Download

- Right click the desired calibration code and select “Transfer To Device” or select the “Transfer to ECM” button from the toolbar



Performing A PDD Calibration Download

- On the Calibration Download Wizard click on the Next button



Performing A PDD Calibration Download

- On the PDD Calibration window select the device to be calibrated by checking the box

Instructions
Adjusting Turbo Actuator Controller – Changes are about to be made to the device. While Adjusting the Turbo Actuator Controller, do not change the key state unless instructed to do so.
Click Send to begin download or click cancel to leave the device unchanged.

Selected Product Name:
Turbo Actuator Controller

Selected Hardware Part Number:
3778619

Selected Software Part Number:
3785305

Select	Address	Software Part Number	Serial Number
<input type="checkbox"/>	0x02	3785305	696793702

Send Cancel

Detecting Devices...

Status
Please wait while INSITE is checking for compatible devices.
Detection Complete.

Instructions
Adjusting Turbo Actuator Controller – Changes are about to be made to the device. While Adjusting the Turbo Actuator Controller, do not change the key state unless instructed to do so.
Click Send to begin download or click cancel to leave the device unchanged.

Selected Product Name:
Turbo Actuator Controller

Selected Hardware Part Number:
3778619

Selected Software Part Number:
3785305


Select	Address	Software Part Number	Serial Number
<input checked="" type="checkbox"/>	0x02	3785305	696793702

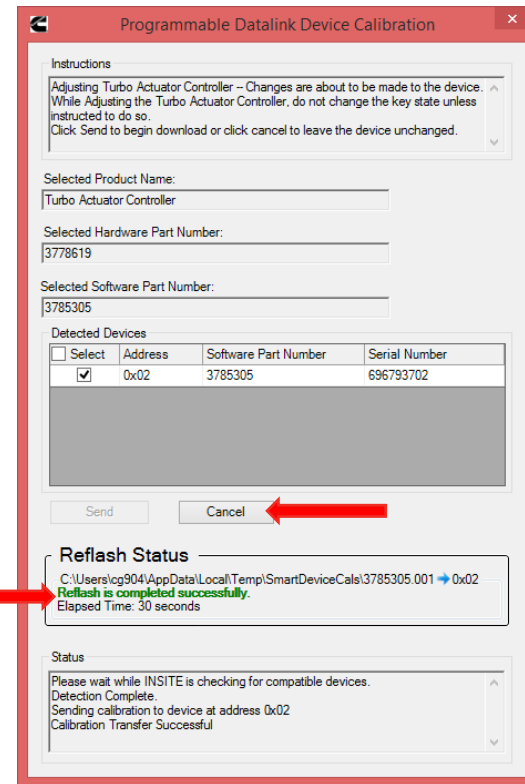
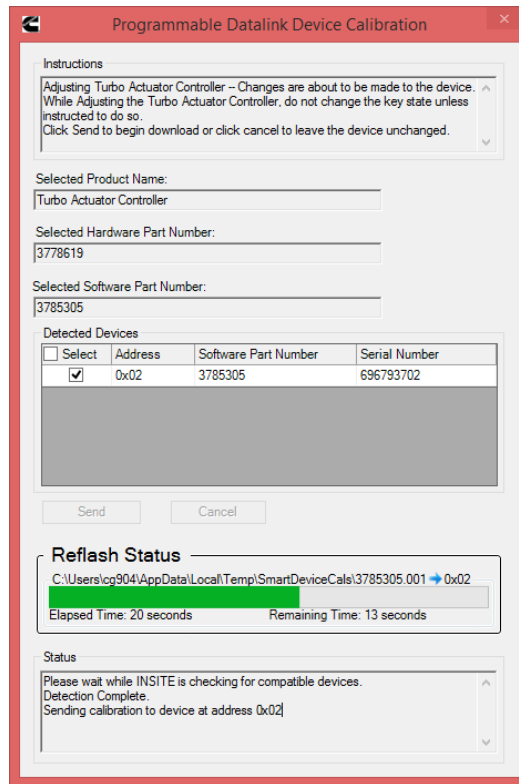
Send Cancel

Detecting Devices...

Status
Please wait while INSITE is checking for compatible devices.
Detection Complete.

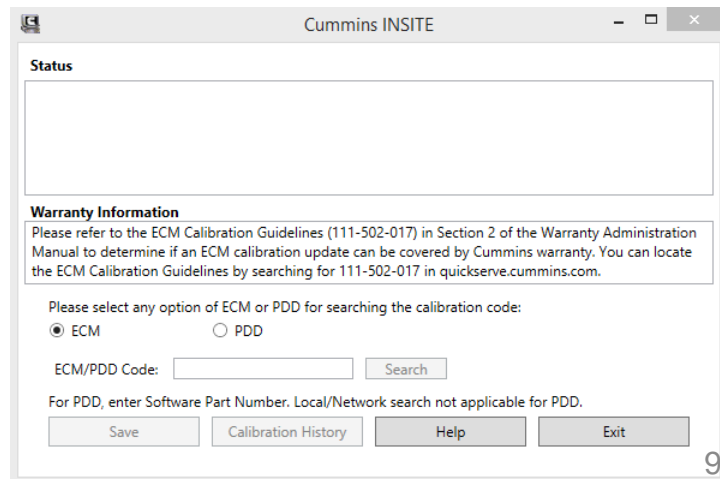
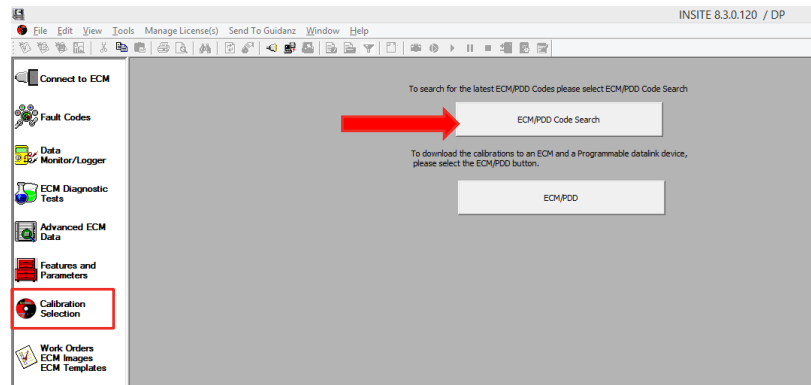
Performing A PDD Calibration Download

- On the PDD Calibration window, when the “Reflash is completed successfully” message appears, click on the Cancel button or Red X button  to close the window and continue
- The ECM will reconnect automatically



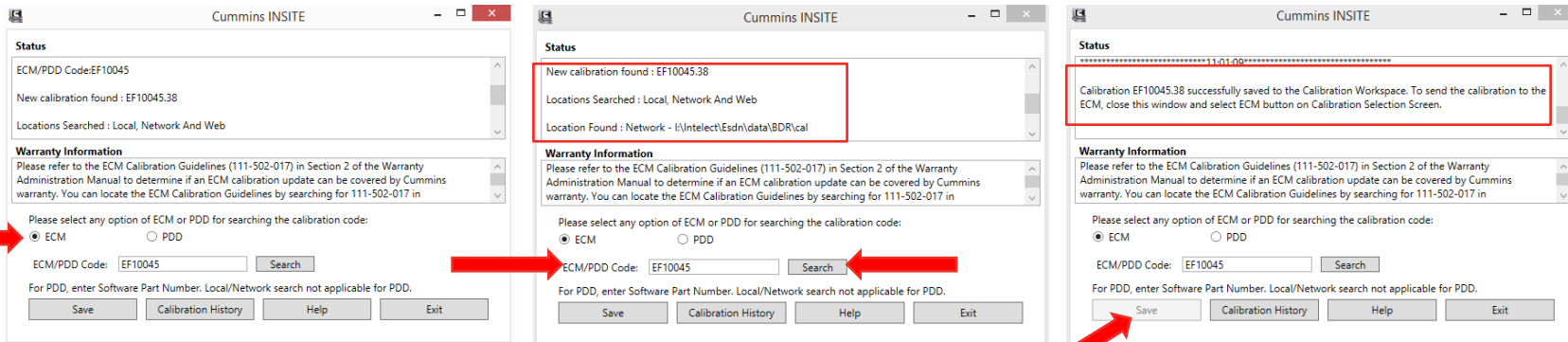
ECM/PDD Code Search

- ECM Code Search allows checking for calibration updates and reviewing calibration history regardless of ECM connectivity
 - When not connected to ECM, the search box will appear to search for calibration updates by manually entering ECM or PDD Code
 - When connected to ECM, you can only check for calibration updates or review calibration history of the connected ECM



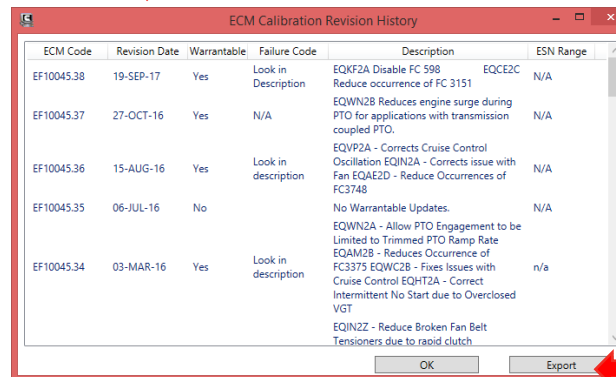
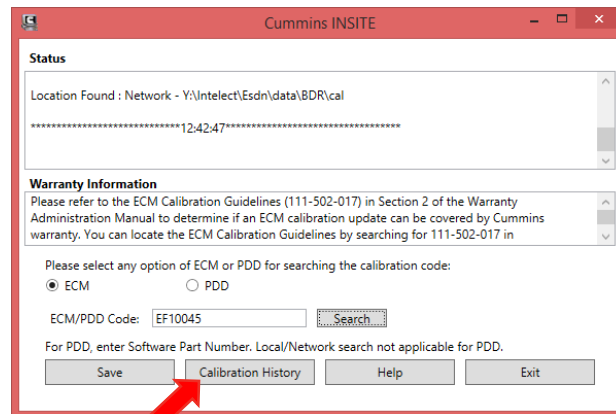
Using ECM/PDD Code Search

- Select desired option of ECM or PDD for searching for the calibration code
 - ECM (Engine Control Module) or PDD (DEF Controller, Turbocharger Actuator, etc.)
- Enter desired ECM/PDD code without revision number
 - (For example EF10045)
- Click on the Search button.
- Save button will appear as selectable when a calibration is found
 - Search status window displays locations searched, location found and save status (if applicable).



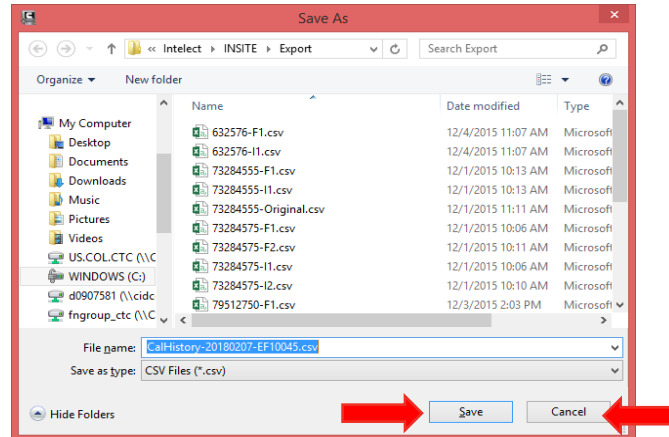
ECM/PDD Code Calibration History

- On the ECM/PDD Code Search window click on the Calibration History button
- Review the ECM Calibration Revision History
- Click on the Export button to export the information to a .csv file format



ECM/PDD Code Calibration History

- On the Export window, click the Save button to export the Calibration History
- On the Export window, click the Cancel button to cancel and close the window
- Click on the OK button to return to the ECM Calibration History window



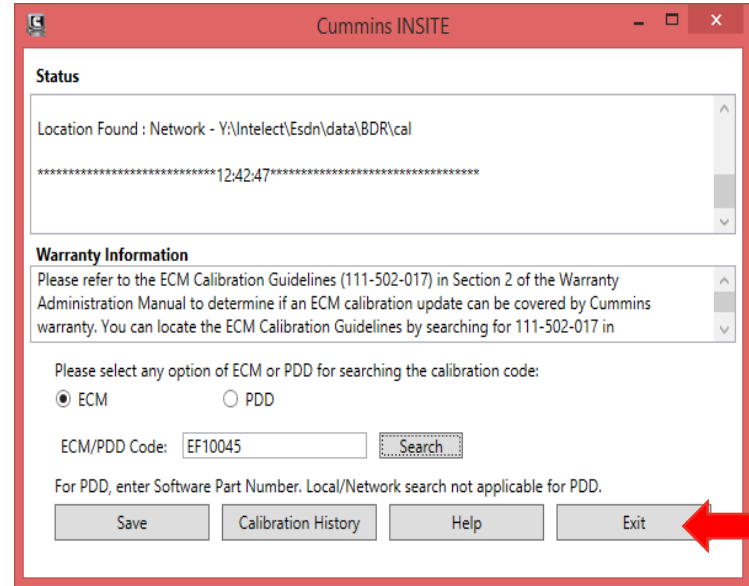
The screenshot shows the 'ECM Calibration Revision History' window with the following table:

ECM Code	Revision Date	Warrantable	Failure Code	Description	ESN Range
EF10045.38	19-SEP-17	Yes	Look in Description	EQKF2A Disable FC 598 Reduce occurrence of FC 3151	EQCE2C N/A
EF10045.37	27-OCT-16	Yes	N/A	EQWN2B Reduces engine surge during PTO for applications with transmission coupled PTO.	N/A
EF10045.36	15-AUG-16	Yes	Look in description	EQVP2A - Corrects Cruise Control Oscillation EQIN2A - Corrects issue with Fan EQAE2D - Reduce Occurrences of FC3748	N/A
EF10045.35	06-JUL-16	No		No Warrantable Updates. EQWN2A - Allow PTO Engagement to be Limited to Trimmed PTO Ramp Rate	N/A
EF10045.34	03-MAR-16	Yes	Look in description	EQAM2B - Reduces Occurrence of FC3375 EQWC2B - Fixes Issues with Cruise Control EQHT2A - Correct Intermittent No Start due to Overclosed VGT EQIN2Z - Reduce Broken Fan Belt Tensioners due to rapid clutch	n/a

Buttons: OK (highlighted with a red arrow), Export

ECM/PDD Code Search

- On ECM/PDD Code Search window, click on the Exit button to close the window





Work Orders

ECM Images

Templates

Work Orders

- A Work Order is the top level identifier that contains the ECM image(s).
 - An image is a copy of the ECM data
 - May contain multiple images
- Work Orders can be used to...
 - Identify a specific customer, vehicle or equipment
 - Help track vehicle and equipment repair history
- If Work Order Mode is enabled...
 - Prompted to create “Initial” image when connecting to an ECM
 - Prompted to create “Final” image when disconnecting from an ECM
- “User” images can be manually created under the Work Order while connected to an ECM

Work Orders

- Work Orders can be created manually by right-clicking in the Work Order pane and selecting “New Work Order” or clicking “New Work Order” in tool bar
- If Work Order Mode is enabled and an existing compatible Work Order is detected, INSITE will prompt to select an existing Work Order to use or create a new Work Order
 - If a Work Order is not detected, INSITE will only prompt to create new Work Order

The screenshot displays the INSITE software interface. At the top, a toolbar contains icons for various functions, with a red box highlighting the 'New Work Order' icon. A red arrow points from this icon to the 'Work Order pane' in the main window. The 'Work Order pane' shows a list of work orders, and a context menu is open over it, listing options such as 'New Work Order', 'Delete Work Order(s)', 'Make Active', 'New ECM Image', 'Import Image(s)', 'Expand', 'Collapse', 'Print Work Order(s)', and 'Properties...'. A 'New Work Order' dialog box is also visible, showing fields for 'Engine Information' (Number: 3E904, Make: CMMNS, Model: 73025712, Serial Number: 73025712), 'Image-CH2250 [0]', 'File Location', 'Image Name', 'Start Repair Date', 'System Type', 'Summary Information', 'Customer Contact', and 'Last Modified'. A 'Work Order Mode - New/Activate' dialog box is open in the foreground, prompting the user to select a work order or create a new one. The dialog box contains a list of work orders, with 'SW-20180202-163914' selected. The dialog box has 'New', 'OK', and 'Help' buttons.

Work Orders

- Can be created manually by the user or automatically when Work Order Mode is enabled
- When a Work Order is created, an “Initial” ECM image is also created by default
- When connected to an ECM, only Work Orders compatible with that Engine Serial Number will be displayed
- All Work Orders can be viewed when not connected to an ECM
- Recommended to always create a Work Order, preferably with Work Order Mode enabled

INSITE 8.3.0.120 / DP - QSL9 CM2250 L115 - Engine Serial Number - 73025712 - ECM Code - CE90075.05

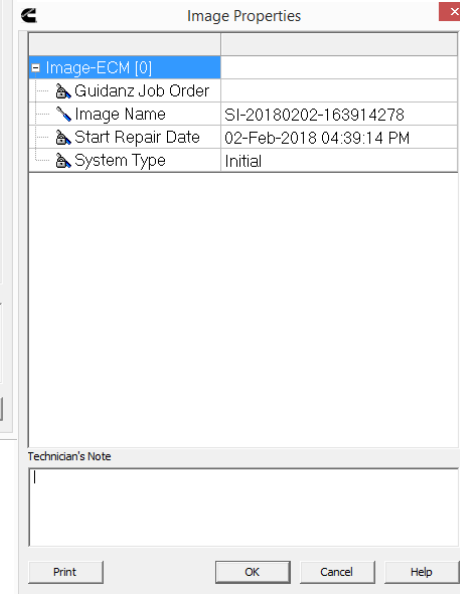
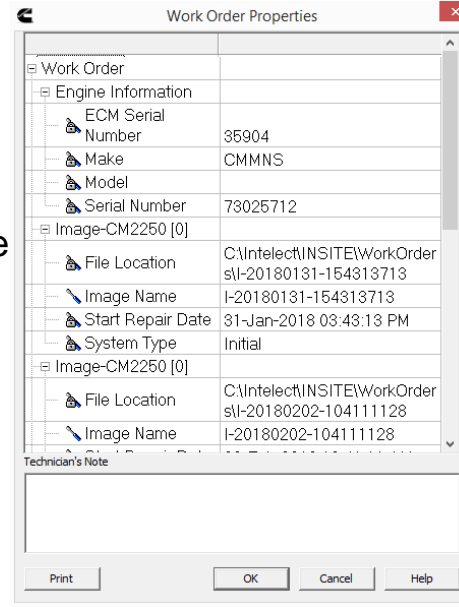
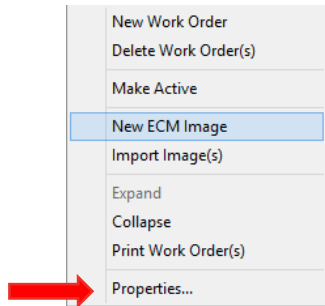
File Edit View Tools Manage License(s) Send To Guidanz Window Help

Work Orders/ECM Images	Guidanz Job Order	System Type	Customer Name	Vehicle Unit Number	Engine Serial Number	Start Repair Date	Last Modified Date
WO-20180131-154813		QSL9 CM2250 L115	Customer Name**		73025712	31-Jan-2018 08:43:13 PM	31-Jan-2018 08:43:13 PM
Image-CM2250 [0]							
I-20180131-154813713		Initial					31-Jan-2018 08:43:13 PM

Disconnect from ECM
Fault Codes
Data Monitor/Logger

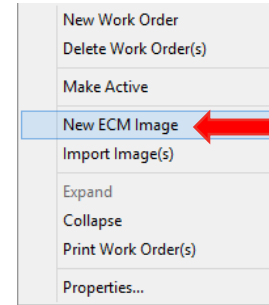
Work Orders

- Work Order and ECM Image names are defaulted to a Date – Time format
 - WO-20180131-145950 = 01/31/2018-2:59:50pm
- Image Name and Notes can be edited at the time of creation
- Image Name and Notes can be also edited in the right click Properties menu



ECM Images

Tool bar icon

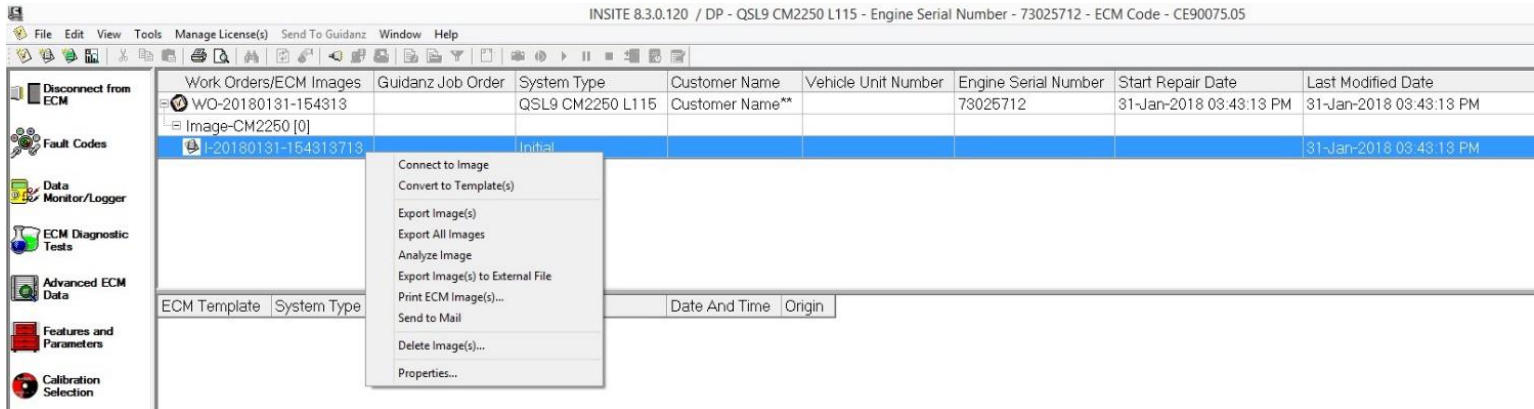


- Captures ECM data at creation
- “Initial” images are created with new Work Order
- “User” images can be created at any time when connected to an ECM
- “Final” images are created when disconnecting from ECM and Work Order Mode is enabled
- New Images can be created by clicking the “New ECM Image” button in the tool bar or by selecting “New ECM Image” in right-click menu of selected Work Order

Work Orders/ECM Images	System Type	Customer Name	Vehicle Unit Number	Engine Serial Number	Start Repair Date	Last Modified Date
WO-20180131-154313	QSL9 CM2250 L115	Customer Name**		73025712	31-Jan-2018 03:43:13 PM	02-Feb-2018 10:41:11 AM
Image-CM2250 [0]						
I-20180202-104111128	User					02-Feb-2018 10:41:11 AM
I-20180131-154313713	Initial					31-Jan-2018 03:43:13 PM

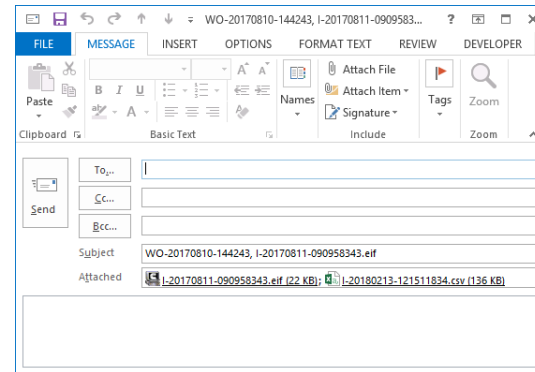
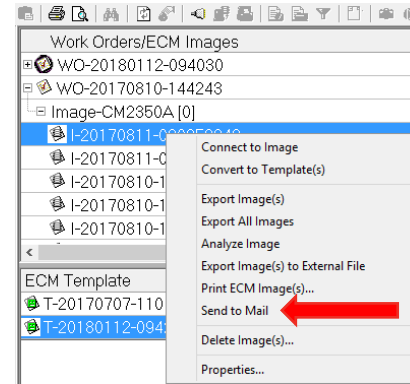
ECM Images

- Right-clicking on an existing image also allows you to...
 - Export
 - Analyze
 - Print
 - Delete
 - Send to Mail



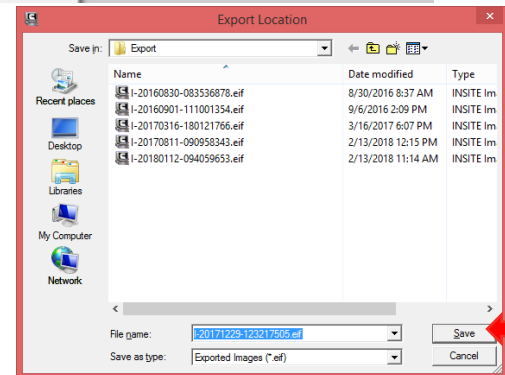
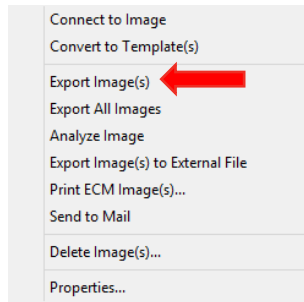
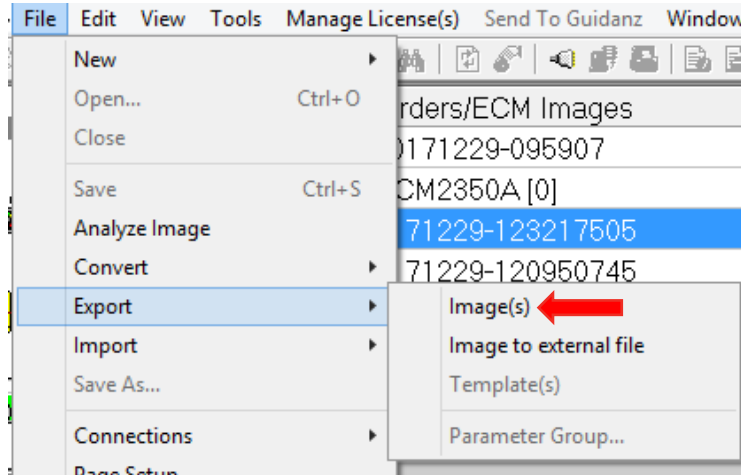
Emailing ECM Images

- Right click on the desired ECM Image
- Select Send to Mail option
- INSITE will open the default email program and attach the files



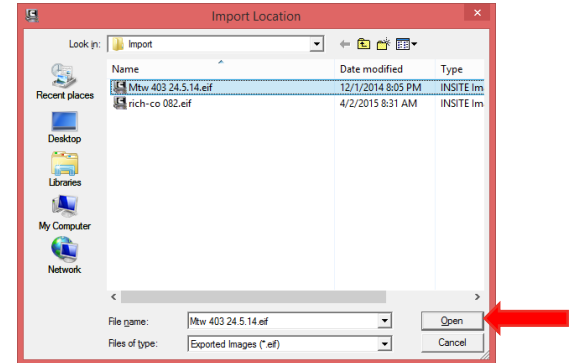
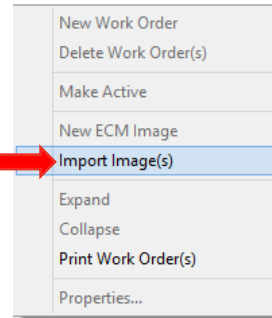
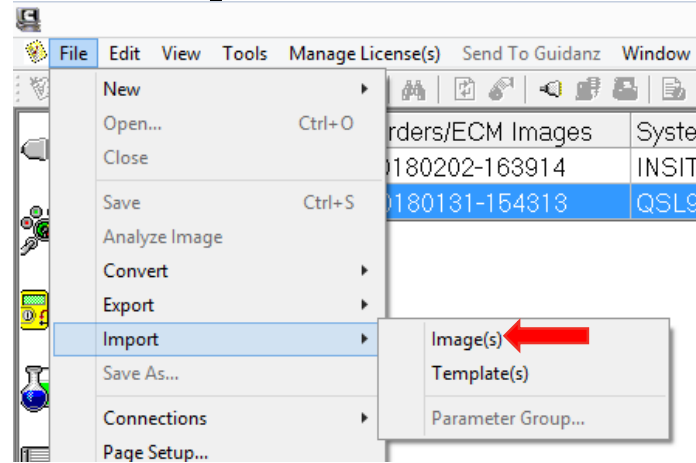
Exporting Images & Templates

- Select desired Image or Template file
- File > Export > Image(s) or Template(s) or Select Export Image(s) or Export Template(s) from right-click menu of image or template
- Click Save button to export
- INSITE images can be exported as the following file formats
 - .EIF
 - If exported image or template is intended for use on another INSITE
 - .CSV
 - If wanting to view ECM image in Excel
 - .TXT
 - If wanting to view in plain text
- INSITE templates can only be exported as .ETF file format



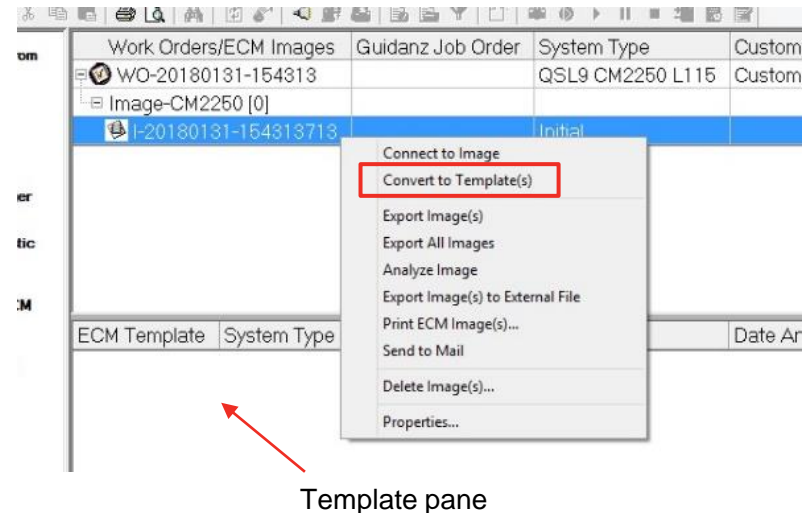
Importing Images & Templates

- File > Import > Image(s) or Template(s)
- Right click on a Work Order and select Import Image(s) or Import Template(s)
- Browse to and select desired image or template file
 - Images must be in .EIF file format
 - Templates must be in .ETF file format
- Click the Open button to import




Templates

- ECM Images also can be converted into a template
 - Either select the “Convert to Template(s)” button in menu bar or in right-click menu when desired ECM image is selected
- Allows transferring of the same Feature and Parameter setup from a given ECM image to multiple ECMs



Templates

- After a template has been created, right-click on the selected template to...
 - Send to ECM
 - Export
 - Print and Print Preview
 - Delete
 - Edit

ECM Template	System Type	Module Type	System Comment	Date And Time	Origin
 T-20180131-154427	IOSI 9 CM2250 115	CM2250 [0]		31-Jan-2018 03:44:27 PM	I-20180131-154313713

- Send to ECM
- Export Template(s)
- Import Template(s)
- Print Preview
- Print Template(s)
- Delete Template(s)
- Edit Template
- Properties...

Templates

- Template name and comments can be customized at time of creation or by going to Properties in right-click menu of selected template

Work Orders/ECM Images	Guidanz Job Order	System Type	Customer Name	Vehicle Unit Number	Engine Serial Number	Start
W/O-20180131-154313		QSL9 CM2250 L115	Customer Name**		73025712	31-Je
Image-CM2250 [0]						
I-20180131-154313713		Initial				

ECM Template	System Type	Module Type	System Comment	Date
--------------	-------------	-------------	----------------	------

ECM Template Properties

ECM Template Name	T-20180131-154427
System Type	QSL9 CM2250 L115
Module Type	CM2250 [0]
Date and Time	31-Jan-2018 03:44:27 PM
Customer Name	Customer Name**
Serial Number	73025712
Origin	I-20180131-154313713
File Location	C:\Infect\INSITE\WorkOrders\ T-20180131-154427

System Comments

Print OK Cancel Help

New ECM Template

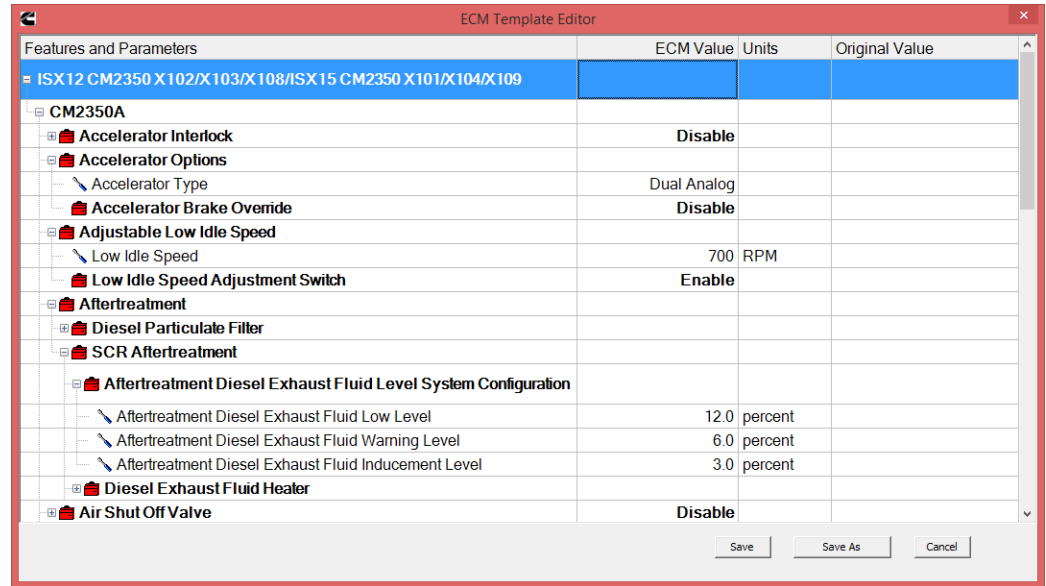
ECM Template Name	T-20180131-154427
System Type	QSL9 CM2250 L115
Module Type	CM2250 [0]
Date and Time	31-Jan-2018 03:44:27 PM
Customer Name	Customer Name**
Serial Number	73025712
Origin	I-20180131-154313713
File Location	C:\Infect\INSITE\WorkOrders\ T-20180131-154427

System Comments

Print OK Cancel Help

Templates

- ECM Template Editor
 - Allows users to edit Features and Parameters that can be modified in an ECM Template



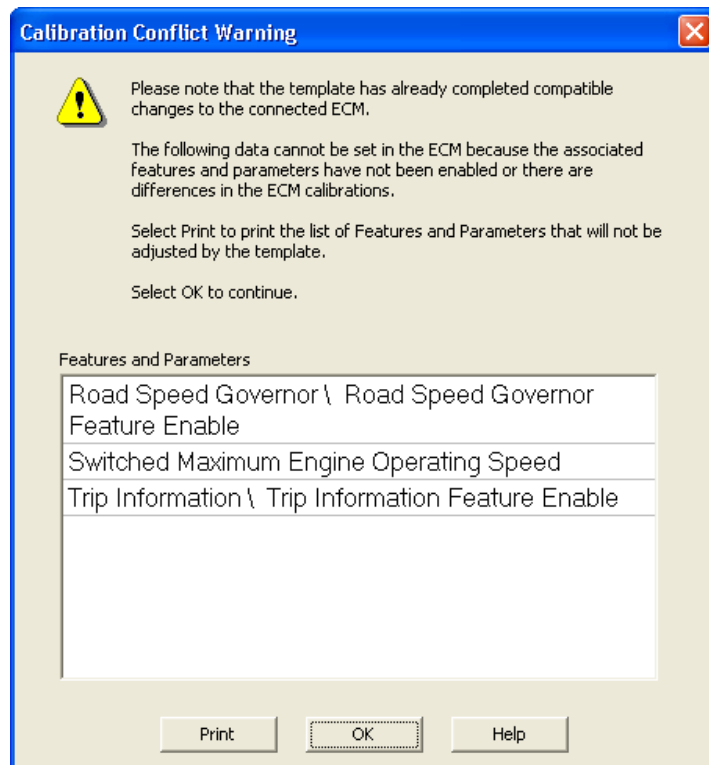
The screenshot shows the 'ECM Template Editor' window. The main area displays a tree view of engine features and parameters. The 'Features and Parameters' table is as follows:

Features and Parameters	ECM Value	Units	Original Value
ISX12 CM2350 X102/X103/X108/ISX15 CM2350 X101/X104/X109			
CM2350A			
Accelerator Interlock	Disable		
Accelerator Options			
Accelerator Type	Dual Analog		
Accelerator Brake Override	Disable		
Adjustable Low Idle Speed			
Low Idle Speed	700	RPM	
Low Idle Speed Adjustment Switch	Enable		
Aftertreatment			
Diesel Particulate Filter			
SCR Aftertreatment			
Aftertreatment Diesel Exhaust Fluid Level System Configuration			
Aftertreatment Diesel Exhaust Fluid Low Level	12.0	percent	
Aftertreatment Diesel Exhaust Fluid Warning Level	6.0	percent	
Aftertreatment Diesel Exhaust Fluid Inducement Level	3.0	percent	
Diesel Exhaust Fluid Heater			
Air Shut Off Valve	Disable		

At the bottom of the window, there are three buttons: 'Save', 'Save As', and 'Cancel'.

Templates

- Report provided after sending to ECM
 - Advises which parameters were not able to be written to ECM
 - User can use this to setup the vehicle accordingly





Trip Information

Trip Information

INSITE 8.3.0.120 / DP - ISL9 CM2350 L101/L108/L109/L123B - Engine Serial Number - 73786734 - ECM Code - EB90015.38

Name	ECM Value	Units
ISL9 CM2350 L101/L108/L109/L123B		
CM2350A		
All Trips (Cumulative)		
Aftertreatment		
Diesel Exhaust Fluid to Fuel Consumption Ratio	0	percent
Maximum Diesel Particulate Filter Differential Pressure	0.0	inHg
Maximum Diesel Particulate Filter Soot Load	Normal	
Number of Complete Regenerations	0	
Number of Incomplete Regenerations	0	
Total Diesel Exhaust Fluid Used	0.0	gal
Distance		
Cruise Control Distance	0.0	mi
ECM Distance	0.0	mi
Engine Distance	0.0	mi
Engine Brake Distance	0.0	mi
Gear Down Distance	0.0	mi
Maximum Accelerator Vehicle Speed Distance	0.0	mi
Service Brake Distance	0.0	mi
Top Gear Distance	0.0	mi
Fuel Used		
Coast Fuel Used	0.0	gal
Cruise Control Fuel Used	0.0	gal
Drive Fuel Used	0.0	gal
Fuel Consumed for Aftertreatment Injection	0.0	gal
Fuel Used	0.0	gal
Gear Down Fuel Used	0.0	gal
Idle Fuel Used	0.0	gal
Loaded PTO Drive Fuel Used	0.0	gal
Loaded PTO Stationary Fuel Used	0.0	gal
Maximum Accelerator Vehicle Speed Fuel Used	0.0	gal
PTO Device 1 Total Fuel Used	0	gal
PTO Device 2 Total Fuel Used	0	gal
PTO Device 3 Total Fuel Used	0	gal
PTO Device 4 Total Fuel Used	0	gal
PTO Device 5 Total Fuel Used	0	gal
PTO Device 6 Total Fuel Used	0	gal
PTO Device 7 Total Fuel Used	0	gal
PTO Device 8 Total Fuel Used	0	gal
PTO Drive Fuel Used	0.0	gal

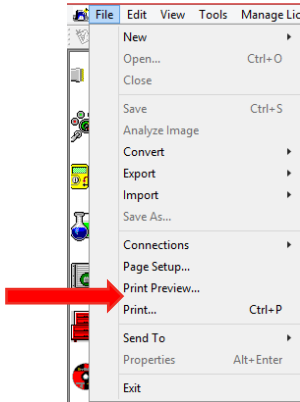
Connected to ECM. INLINE7, USB (Auto Detect) Connection RP1210A (J1939) Firmware: 0.016019

Trip Information

- Trip Information continuously monitors and records engine operating data that tracks engine and driver performance
- Stored data can be viewed using INSITE™
 - Live module
 - Exported ECM Image
- Parameters are grouped differently, according to the ECM
- Not all ECMs list the same parameters
- Allows the user to view ECM Values for multiple time periods
 - Lifetime of the ECM
 - Since the Trip Information was last reset
- Trip Fuel Report will display all fuel related parameters for the above time periods
- INSITE™ allows the user to print these screens

Trip Information

- Trip Information may be printed or print previewed when connected to the ECM or Image
 - Tool Bar Printer Icon
 - File → Print



A screenshot of the software interface showing a tree view of trip information. A red arrow points to the printer icon in the toolbar. The tree view shows the following structure:

- ISL9 CM2350 L101/L108/L109/L123B
 - CM2350A
 - All Trips (Cumulative)
 - Aftertreatment
 - Distance
 - Fuel Used
 - Multiple PTO
 - Other
 - Time
 - Trip Since Last Reset
 - Aftertreatment
 - Fuel Used
 - Other
 - Time
 - Trip Since Last Reset Drive (Vehicle Speed > 0)
 - Distance
 - Fuel Used
 - Other
 - Time

The table below the tree view has the following columns: Name, ECM Value, and Units.

Name	ECM Value	Units
ISL9 CM2350 L101/L108/L109/L123B		
CM2350A		
All Trips (Cumulative)		
Aftertreatment		
Distance		
Fuel Used		
Multiple PTO		
Other		
Time		
Trip Since Last Reset		
Aftertreatment		
Fuel Used		
Other		
Time		
Trip Since Last Reset Drive (Vehicle Speed > 0)		
Distance		
Fuel Used		
Other		
Time		

Trip Information > Trip Fuel Report

- A Trip Fuel Report is a condensed list of fueling parameters
- Available on any engine that supports Trip Information
- Select Apply Custom Filter from the Tool Bar or right click in the Trip Information window and select Trip Fuel Report
- Trip Fuel Report can only be Printed or Print Previewed from this view

Name	ECM Value	Units
ISL9 CM2350 L101/L108/L109/L123B		
CM2350A		
All Trips (Cumulative)		
Fuel Used		
Fuel Consumed for Aftertreatment Injection	0.0	gal
Fuel Used	0.0	gal
Idle Fuel Used	0.0	gal
Trip Since Last Reset		
Aftertreatment		
Aftertreatment Diesel Exhaust Fluid Used	0.0	gal
Diesel Exhaust Fluid to Fuel Consumption Ratio	0	percent
Fuel Used		
Average Fuel Economy	0.0	mpg
Average Fuel Rate	0.0	gph
Fuel Consumed for Aftertreatment Injection	0.0	gal
Fuel Used	0.0	gal
Idle Fuel Used	0.0	gal
PTO Fuel Used	0.0	gal
Time		
Full Load Operation Time	000000:00:00	HH:MM:SS
PTO Time	000000:00:00	HH:MM:SS
Trip Since Last Reset Drive (Vehicle Speed > 0)		
Distance		
Trip Drive Distance	0.0	mi
Fuel Used		
Drive Average Fuel Economy	0.0	mpg
Drive Fuel Used	0.0	gal
Top Gear Fuel Used	0.0	gal



Audit Trail

Audit Trail

- Tracks and records changes made to ECM
 - Tool ID (INSITE version)
 - User ID (tool instance)
 - Identifies type of ECM changes

- Audit Trail displays the last four or eight times, if supported by the calibration, that the ECM was modified

- A single record can contain multiple changes

Record Number	Tool Name	Tool ID Code	User Type Description	User ID	ECM Time (Key on Time)	ECM Real Time
QSL9 CM2250 L115						
CM2250						
1	INSITE	803100892901	Software	0000B672344D	003083:27:27	Not Applicable
2	INSITE	803001182901	Software	0000C92538F4	003058:01:04	Not Applicable
		027	Reset Fault Codes			
		030	Calibration Download			
		037	Customer/Vehicle Information			
3	INSITE	803001112901	Software	0000C92538F4	002913:33:54	Not Applicable
4	INSITE	803001112901	Software	0000C92538F4	002912:37:03	Not Applicable



Inquire Data Extraction

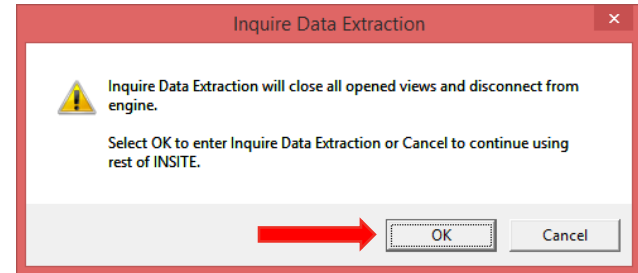
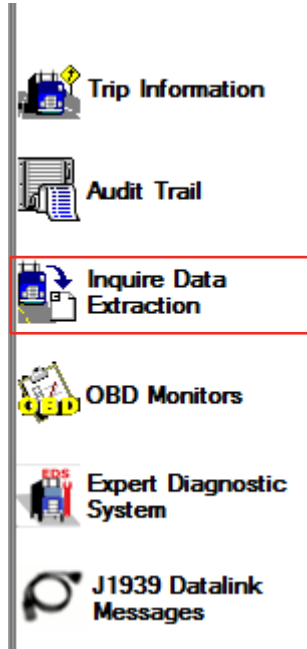


Inquire Data Extraction

- Application for fleets that need to quickly gather vehicle data
- Simple connection to vehicles
- Provides resets as needed
- Data is automatically formatted for importing to a spread sheet or data base

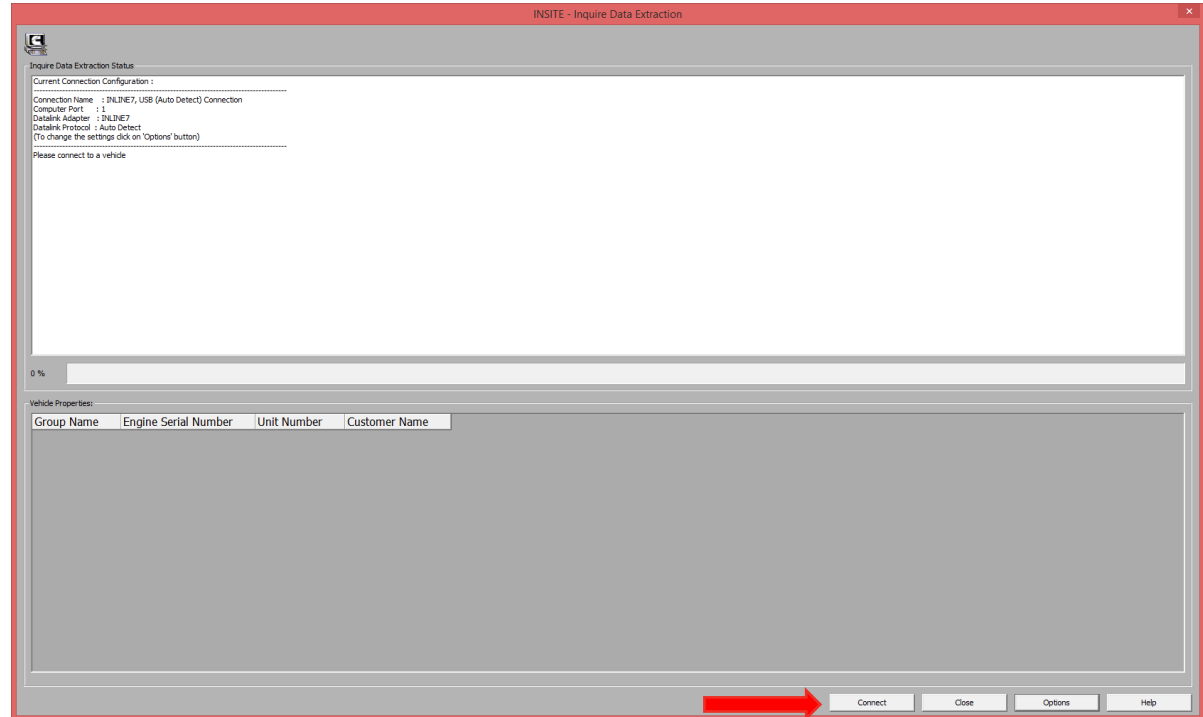
Inquire Data Extraction

- To open Inquire Data Extraction click on Inquire Data Extraction on the view bar
- On the pop up message click the OK button
- Inquire Data Extraction will close all open views and disconnect from the engine.



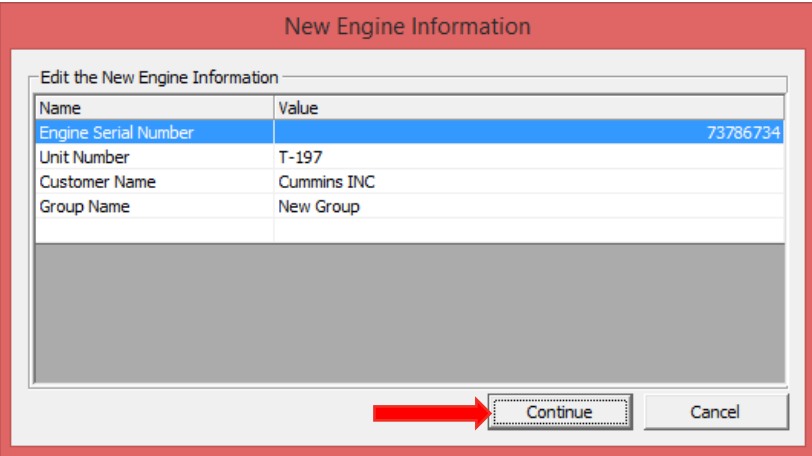
Inquire Data Extraction

- Used to quickly extract and store ECM data
- Reset selected parameters in a connected engine when no active faults or other issues are present
- Inquire Data Extraction is typically performed while fueling the vehicle
- Extracted data is saved to a 'CSV' (Comma Separated Value) file for future use
- Click on the Connect button to continue



Inquire Data Extraction

- **1st Time Engine Data Extraction**
- Vehicle information Listed
- Can be customized for easier identification
- Click on the Continue button

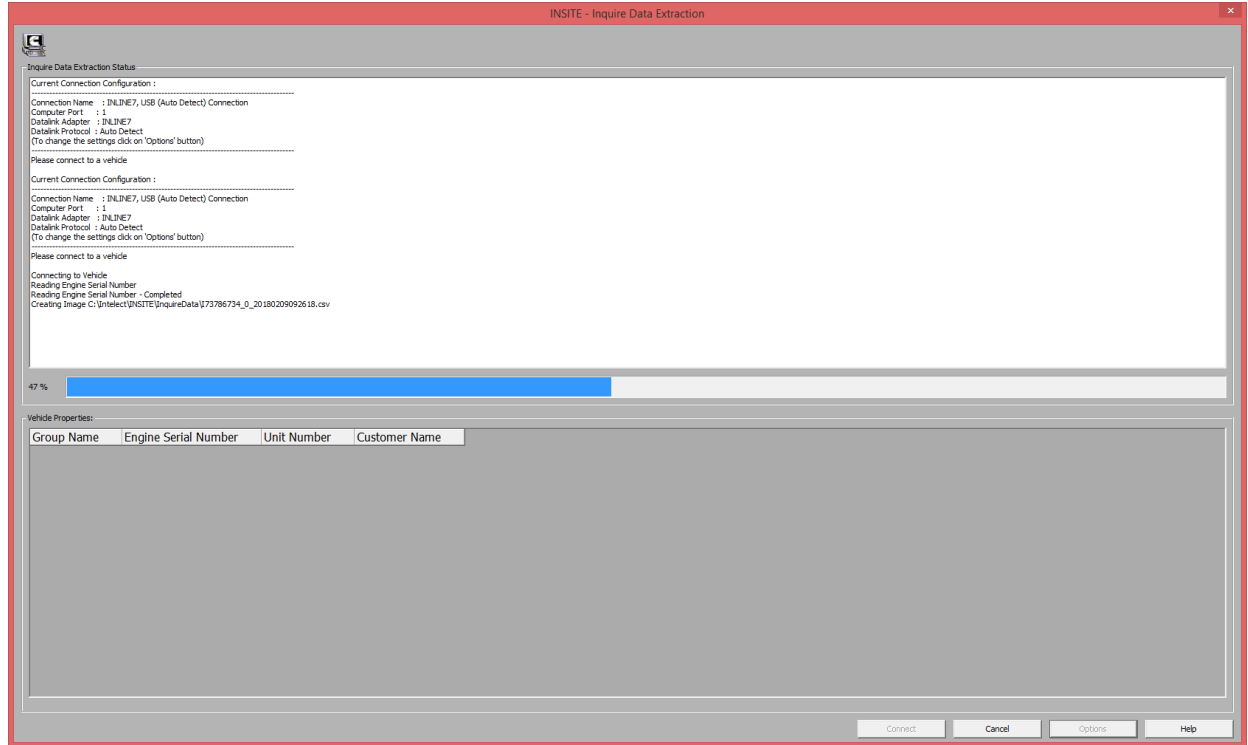


Name	Value
Engine Serial Number	73786734
Unit Number	T-197
Customer Name	Cummins INC
Group Name	New Group

Continue Cancel

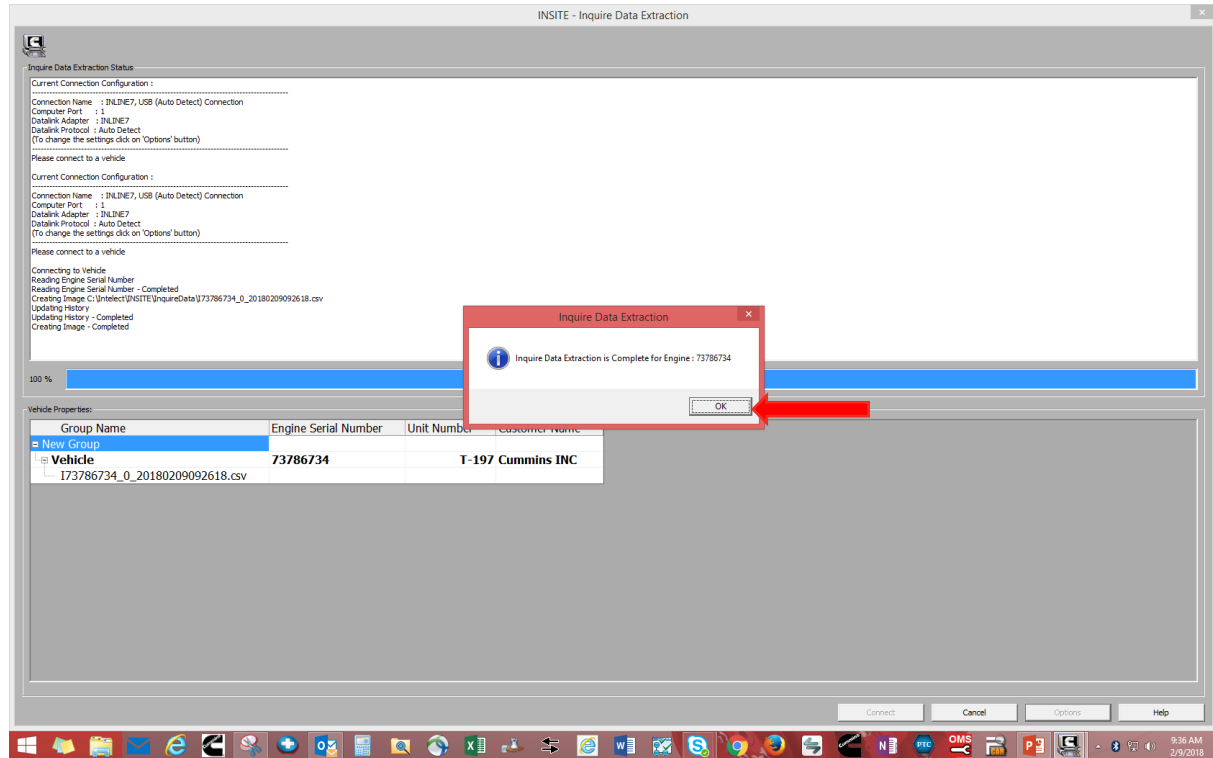
Inquire Data Extraction

- Data extraction in progress



Inquire Data Extraction

- Data extraction process complete
- Click on the OK button to continue



Inquire Data Extraction

- Click on the Options button to view and set options to customize any further data extractions

INSITE - Inquire Data Extraction

Inquire Data Extraction Status

Connection Name : INLINE7, USB (Auto Detect) Connection
Computer Port : 11
DataLink Adapter : INLINE7
DataLink Protocol : Auto Detect
(To change the settings click on 'Options' button)

Please connect to a vehicle

Current Connection Configuration :

Connection Name : INLINE7, USB (Auto Detect) Connection
Computer Port : 11
DataLink Adapter : INLINE7
DataLink Protocol : Auto Detect
(To change the settings click on 'Options' button)

Please connect to a vehicle

Connecting to Vehicle
Reading Engine Serial Number
Reading Engine Serial Number - Completed
Creating Image C:\Infect\INSITE\Inquire\data\73786734_0_20180209092618.csv
Updating history
Updating history - Completed
Inquire Data Extraction is Complete for Engine : 73786734
Creating Image - Completed
Disconnecting
Disconnecting - Completed
Connection Closed

Please connect to a vehicle

0 %

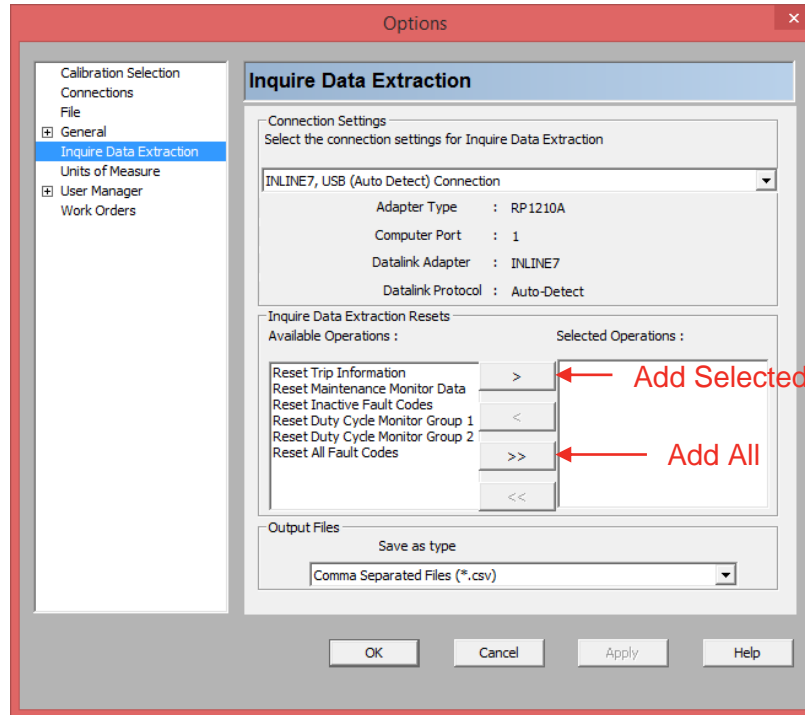
Vehicle Properties:

Group Name	Engine Serial Number	Unit Number	Customer Name
New Group			
Vehicle	73786734		T-197 Cummins INC
173786734_0_20180209092618.csv			

Connect Close **Options** Help

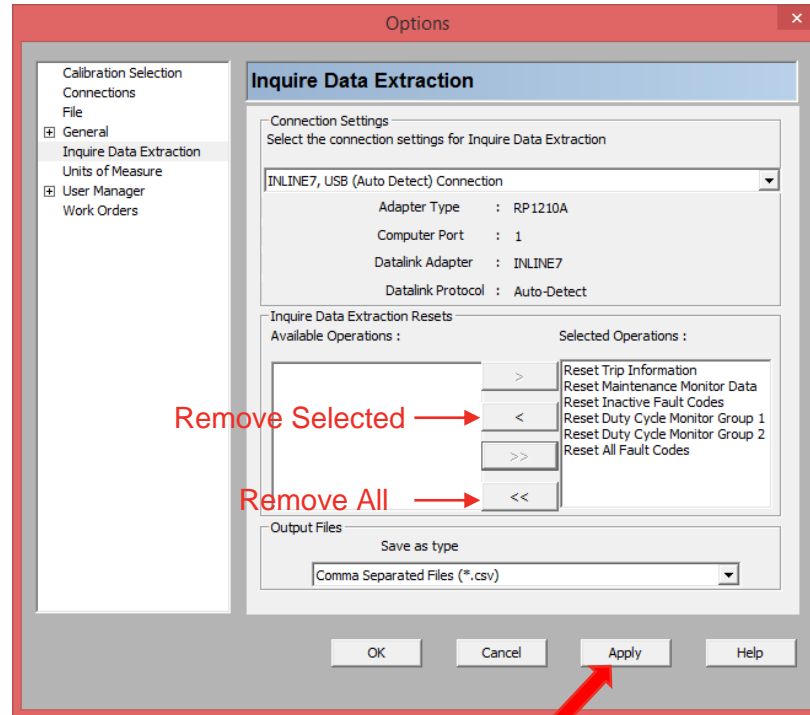
Inquire Data Extraction

- From here connection settings can be changed
- Reset operations can be selected
- The output file type can be selected



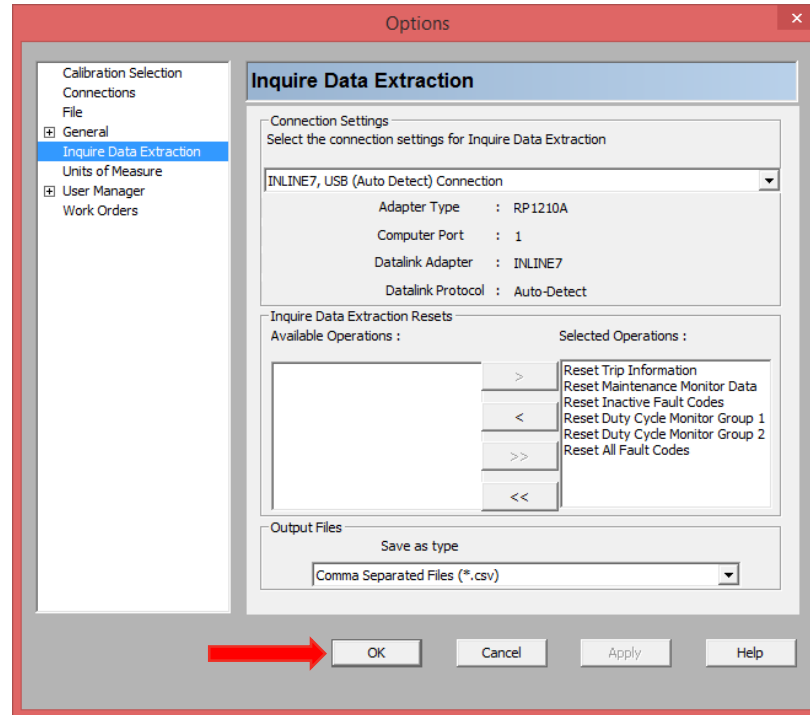
Inquire Data Extraction

- Select the desired options and click on the Apply button



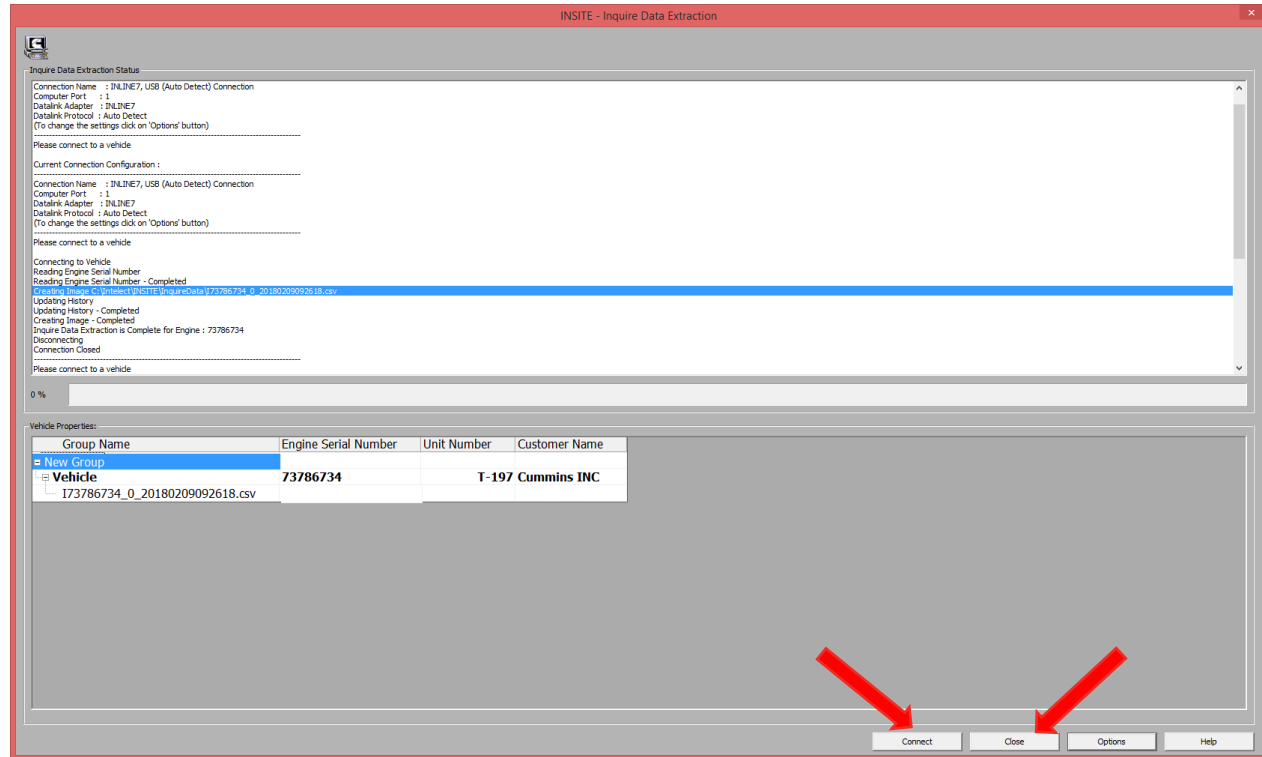
Inquire Data Extraction

- Click on the OK button to continue



Inquire Data Extraction

- Click on the Connect button to perform another data extraction or click on the Close button to exit and return to INSITE
- The user will need to reconnect to the engine to use INSITE





OBD Monitors

OBD Monitors

- The OBD system monitors components that can affect the emission performance of the vehicle
 - If supported in the engine calibration
- Displays a map of all available fault codes with associated monitor type and its readiness status.
- OBD Monitors are never cleared from this view
- User can refresh the view

MIL ON Distance (All Faults)	MIL ON Time (All Faults)	Fault Code	Description	Monitor Type	Readiness Code
796 mi	81.2 Hr	0145	Engine Coolant Temperature 1 Sensor Circuit - Voltage below normal, or shorted to low source	Ambient Air Temperature Sensor Rationality Check Trip Status	Not Complete
		0122	Intake Manifold 1 Pressure Sensor Circuit - Voltage above normal, or shorted to high source	Catalyst Outlet Temperature Sensor Rationality Check Trip Status	Complete
		0452	Accelerator Pedal or Lever Idle Validation Switch Circuit - Out of Calibration	Engine Coolant Temperature In Range Monitor Trip Status	Complete

Refresh View

Monitor Type Definition

Distance the vehicle has driven with the MIL ON

Completed = The vehicle has completed two trips in which the specified fault has not reoccurred.

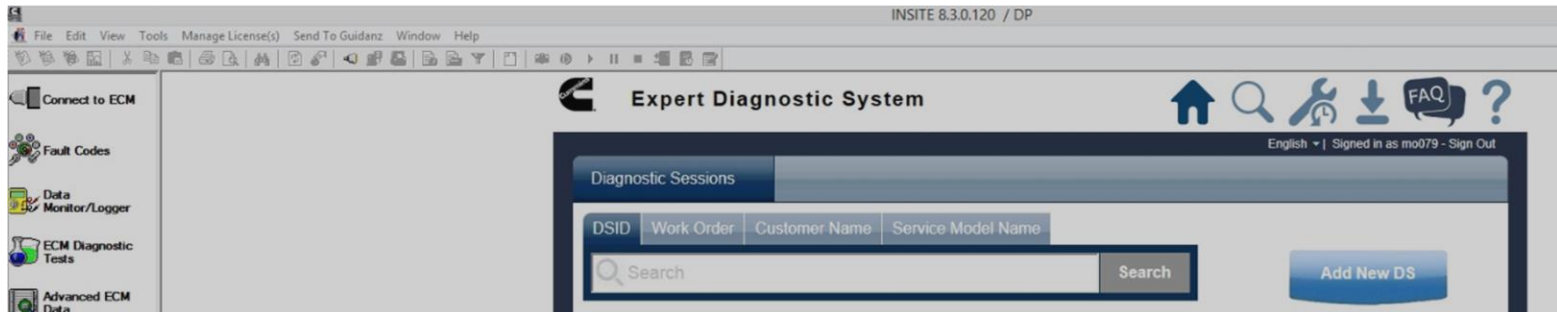
Not Completed = The vehicle has not yet completed two trips in which the specified fault has not reoccurred



Expert Diagnostic System (EDS)

Expert Diagnostic System (EDS)

- Web-based diagnostic/troubleshooting tool
- Designed to get to the most likely solution quickly
 - Based on technician feedback and historical service events
- Integrated into INSITE to offer single session with connected ECM
- Cannot be used in conjunction with Guidanz Web





J1939 Datalink Messages



J1939 Datalink Messages

- J1939 Datalink Messages displays specific parameter group numbers, and the information associated with those parameter group numbers.
- This feature allows the user to view information about specific J1939 messages.

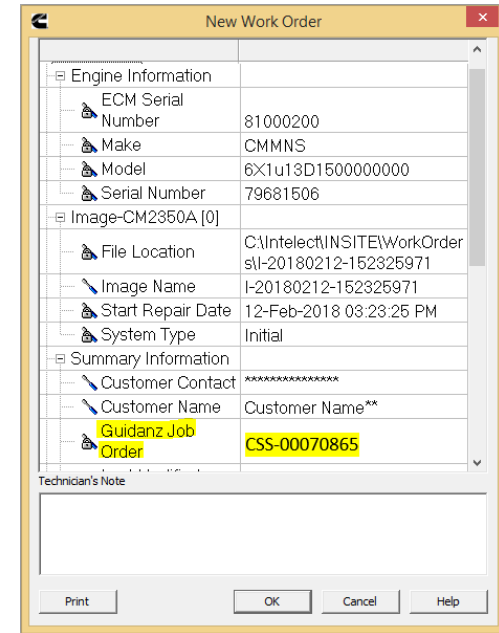
PGN Name	PGN	SPN Name	SPN	Source Address	Value	Units
OEM 1	65413	Commanded Dual Fuel Mode	Not Available	00	Active Dual Fuel Mode	
OEM 1	65413	Dual Fuel Fault Reset requested	Not Available	01	Fault Reset Request	
OEM 1	65413	Methane Number	Not Available	02	65	
Generator Total AC Power	65029	Generator Total Real Power	2452	03	2	W
Transmission Control 1	256	Transmission Requested Gear	525	05	1	
Electronic Transmission Controller	61442	Transmission Output shaft Speed	191	08	1251	RPM



Guidanz Web (formerly CSS)

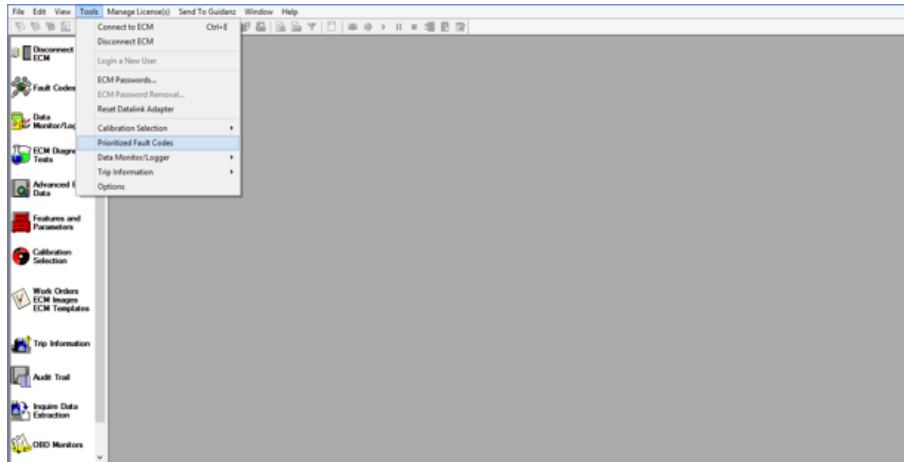
Guidanz Web Integration

- Integrates service information, diagnostic solutions and associated administrative, diagnostic, accessibility and repair information based on prioritized fault codes
- If you are using Guidanz Web, you will be able to launch or return to INSITE from Guidanz Web
- If you create a new Work Order image the Guidanz Job order from Guidanz Web will be populated in the Work Order image
- Cannot be used in conjunction with Expert Diagnostic System (EDS)



Guidanz Web Integration

- Selecting Tools → Prioritized Fault Codes allows you to see a list of prioritized fault codes



Prioritized Fault Codes

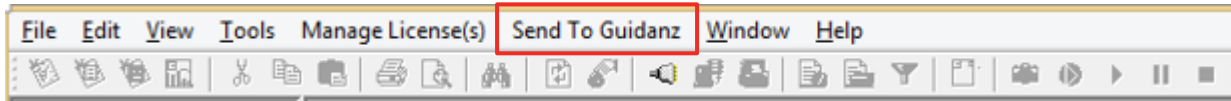
This list shows which fault codes to troubleshoot first.
The Fault Code Analyzer supplied this list based on the fault codes read when first connected.

	Order	Primary Fault Codes	Related Fault Codes
ISX12 CM2350 X102/X103/X108/ISX15 CM2350 X101/X104/X109			
CM2350A			
	1	451	691
	2	4156	6656
	3	6421	
	4	6418	
	5	6261	
	6	195	
	7	153	
	8	144	

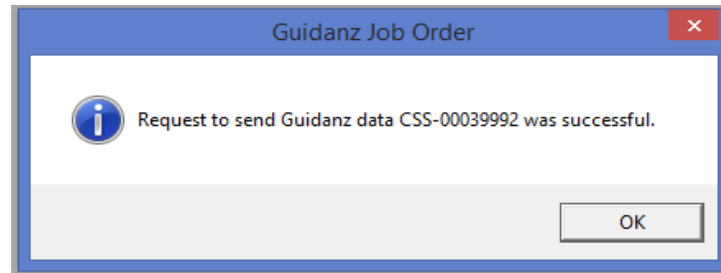
Print Close

Guidanz Web Integration

- Once the Send To Guidanz option is active, the user can click on this option to send ESN (PSN), engine make and model, Work Order image file name, and fault codes in prioritized order to Guidanz Web



- INSITE will prompt you if the data was sent to Guidanz Web successfully.





Support



How to Contact Cummins Care Electronic Tools

- Phone: 1-800-CUMMINS (1-800-286-6467), select option 2, then 3
- Email: servicetoolsupport@cummins.com
- Web Chat: <https://insite.cummins.com/chat/ChatLogmeinv2.html>
- Website: <http://insite.cummins.com>