INSITE™ 7.6.1 - What's New?

Electronic Service Tools

What's New Topics?

- Installation
- Operating Systems Supported
- New Engines Supported
- New Features Supported
- New ECM Diagnostic Test Supported
- What's New Summary
- INSITE™ Overview

Installation

INSITE™ 7.6.1 installation

- INSITE™ 7.6.1 is available for download through the Cummins Inc. Update Manager
- INSITE™ v7.6.0 or INSITE™ v7.6 SP1 must be installed before installing INSITE™ v7.6.1
- Administrative rights are NOT needed to install INSITE™ v7.6.1
- A new password will not be required if an active subscription to INSITE™ exists

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Operating Systems

- Supported:
  - Windows® 7, 32-bit and 64-bit
- Not supported:
  - Windows® XP, 32-bit and 64-bit
  - Windows® Vista, 32-bit and 64-bit

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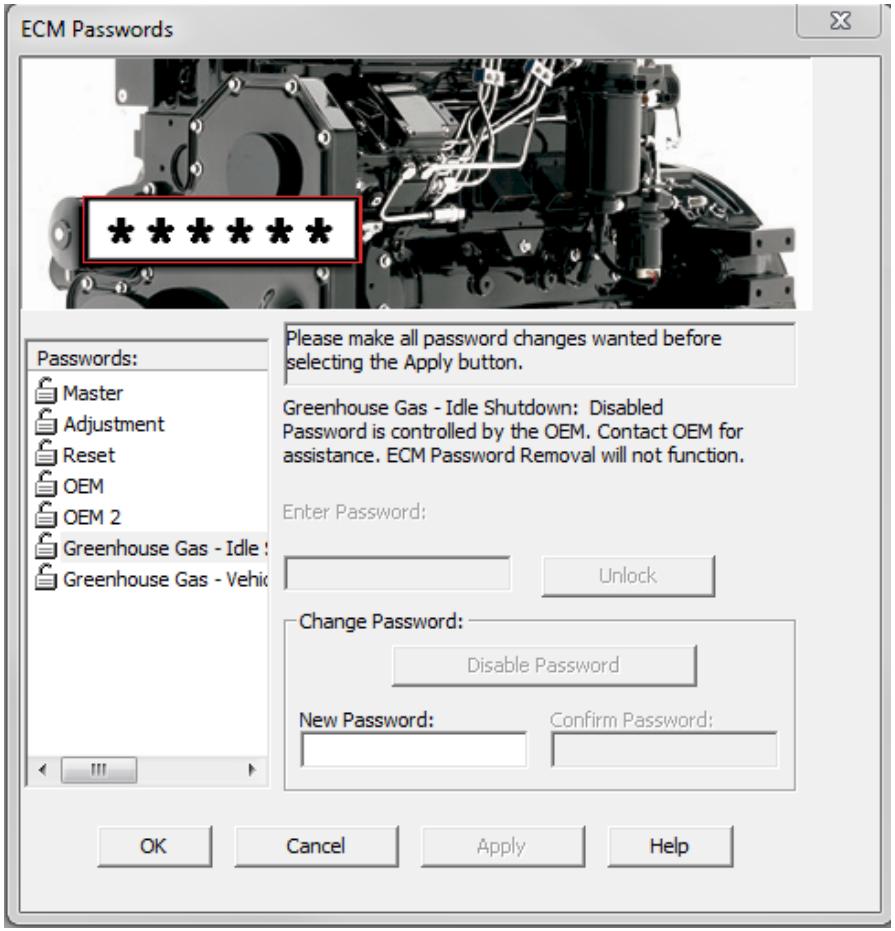
New/Modified Base Features Supported

- **Greenhouse Gas (GHG) ECM Security**
- Greenhouse Gas - Idle Shutdown and Greenhouse Gas - Vehicle Speed Limiter are two new ECM Security settings designed to allow OEMs to configure engine settings to meet the requirements of the GHG Rules which allows the OEM to claim GHG emissions credits. The OEM will program the features and lock the values with an ECM password.
- These programmed parameters can only be changed when the password has been provided by the OEM.
- The Greenhouse Gas ECM passwords are controlled by the OEM and ECM Password Removal will not function on parameters locked with Greenhouse Gas ECM Security.

Greenhouse Gas (GHG) ECM Security



Greenhouse Gas (GHG) - New in Features and Parameter

Idle Shutdown	**Enable**	
Idle Shutdown Coolant Temperature Threshold	54	F
Percent Engine Load	20	Percent
Time Before Shutdown	00:10:00	HH:MM:SS
Ambient Temperature Override	**Enable**	
Greenhouse Gas Idle Shutdown	**Enable**	
Distance Threshold	46603	mi
Idle Shutdown With Parking Brake Set	**Enable**	
In PTO	**Enable**	
Manual Override	**Enable**	
Shutdown Accessory Relay	**Installed**	
Warning Period	**Enable**	

Road Speed Governor	**Enable**	
Maximum Accelerator Vehicle Speed	65	mph
Maximum Vehicle Speed	75	mph
Road Speed Governor Lower Droop	5	mph
Road Speed Governor Upper Droop	9	mph
Greenhouse Gas Vehicle Speed Limiter	**Enable**	
Distance Threshold	62	mi
Maximum Vehicle Speed	75	mph
Override Distance	1243	mi
Reset Interval	435	mi

New Features Supported

- **Note:** New features and monitors will be displayed by INSITE only if they are supported by the calibration.
- **Accelerator Brake Override**
  - This feature provides the ability to limit the accelerator when both the accelerator and brake pedals are pressed for a period of time. This will allow the operator to move the vehicle to a safe position when conditions such as a stuck accelerator pedal or lever occurs.
- **Battery Power Required Lamp**
  - This feature informs the user when it is safe to remove power after key off. This allows all data to be saved to the flash, perform any Key OFF tasks and for the ECM to safely shutdown. Once the lamp goes OFF, it indicates it is safe to remove power.
- **Coolant Level Sensor**
  - This feature provides the necessary parameters to interface with the Engine Coolant Level Sensor 2.

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New Features Supported

- **Electric Fuel Lift Pump**
  - This feature provides the ability to configure the Electric Fuel Lift Pump.
- **Fuel Level Sensor 2**
  - This feature provides the capability to enable the Fuel Level Sensor 2.
- **Fuel Level Sensor 2 Multiplexing**
  - This feature provides customers to configure the ECM to accept the Fuel Level Sensor 2 input via the datalink instead of a physical ECM input.

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New Features Supported

- **Greenhouse Gas Idle Shutdown**
  - This feature provides the ability for the OEM's to enable Idle Shutdown as well as define the distance the vehicle must travel before Idle Shutdown can be modified. To change these settings, the OEM must be contacted for the Greenhouse Gas - Idle Shutdown password.
- **Greenhouse Gas Vehicle Speed Limiter**
  - This feature provides the ability for the OEM's to set the Maximum Vehicle Speed and driver initiated overrides as well as define the distance the vehicle must travel before these settings can be modified. To change these settings, the OEM must be contacted for the Greenhouse Gas - Vehicle Speed Limiter password.
- **Idle Shutdown Warning Period**
  - This feature will set up the amount of time the warning lamp will blink before the engine is shutdown while idling.
- **Step Size Adjustment**
  - This feature provides the ability to configure the amount of increase or decrease in step size when adjusting the Power Take Off speed.

New ECM Diagnostic Test Supported

- **Aftertreatment SCR Performance Test**
  - The Aftertreatment SCR Performance test can be used to monitor the status of the Aftertreatment SCR Catalyst Outlet NOx Sensor and the Aftertreatment SCR Catalyst. This test also starts the Aftertreatment Diesel Particulate Filter Regeneration.

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New Monitors Supported

- Aftertreatment Combined Soot Load Estimate
- Aftertreatment Diesel Exhaust Fluid Dosing State
- Aftertreatment Diesel Exhaust Fluid Line Heater 3 Status
- Aftertreatment Diesel Oxidation Catalyst Intake Temperature
- Aftertreatment Diesel Particulate Filter Intake Temperature
- Aftertreatment Diesel Particulate Filter Outlet Temperature
- Aftertreatment Differential Pressure Soot Load Estimate
- Aftertreatment Model Based Soot Load Estimate
- Air Conditioner Pressure
- Air Conditioner Status
- Air Conditioning Pressure Sensor Voltage
- Alternator Voltage
- Clutch Interlock Park/Neutral Switch
- Dual Valve Fuel Control Mode
- ECM Key Off Time
- EGR Cooler Bypass Valve Position
- EGR Flow Ratio
- EGR Valve Flow
- EGR Valve Position Commanded
- EGR Valve Position Fault
- Engine Operating State
- Engine Torque Mode
- Failed Handshake Count
- Fuel Level Sensor 2
- Fuel Rail Pressure Feedback
- High Speed Governor Breakpoint Speed
- High Temperature Coolant Intake Temperature
- High Temperature Coolant Intake Temperature Sensor Voltage
- Interstage Pressure
- Interstage Pressure Sensor Voltage
- Low Speed Governor Reference Speed
- Mass Air Flow Frequency
- Oil Pressure Switch Status
- Open Modular Diaphragm Valve Engine Run Time
- Pressure Control Valve Current Commanded
- Pressure Control Valve Current Feedback
- Primary Accelerator Pedal or Lever Position
- Secondary Accelerator Pedal or Lever Position
- SKIM Communication Status
- SKIM Handshake Timer
- SKIM Key Received Count
- SKIM Reset Status
- SKIM Status
- Stationary Pumping Mode
- Throttle Differential Pressure
- Throttle Differential Pressure Sensor Signal Voltage
- Total Confirmed Modular Diaphragm Valve Pop-Offs
- Voltage Regulator Driver Duty Cycle
- Voltage Regulator Setpoint
- Volume Control Current Commanded
- Volume Control Current Feedback
- Wastegate/VGT Actuator Position Commanded
- Water In Fuel Error - Distance After Error
- Water In Fuel Error - Distance During Error
- Water In Fuel Error - Distance From Error Set To Error Cleared
- Water In Fuel Error - Number of Errors
- Water In Fuel Error - Total Distance At Last Error

What's New Summary

- This has been an overview of INSITE™
- For further training on INSITE, please refer to the INSITE™ Virtual College CD, P/N **4091839**
- For Additional information and support:
  - Contact Cummins® local distributor
  - Visit https://insite.cummins.com/insite/index.html
  - INSITE™ Help Desk 1-800-433-9341 Option 2 or 812-377-8136 Option 2

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INSITE™

INSITE™ functionality Breakdown and Details

Table of Contents – Part 1

- Audit Trail
- Calibration Selection and Download
- ECM Connections
- Data Monitor Logger and OBD Monitors
- ECM Diagnostic Tests and Advanced ECM Data
- Fault Information and Fault Information System
- Feature and Parameters
- Inquire Data Extraction

Table of Contents – Part 2

- Installation and Tool / ECM / User Security
- Trip Information
- Work Orders

- Cummins Inc. Update Manager

INSITE™ Audit Trail

Electronic Service Tools

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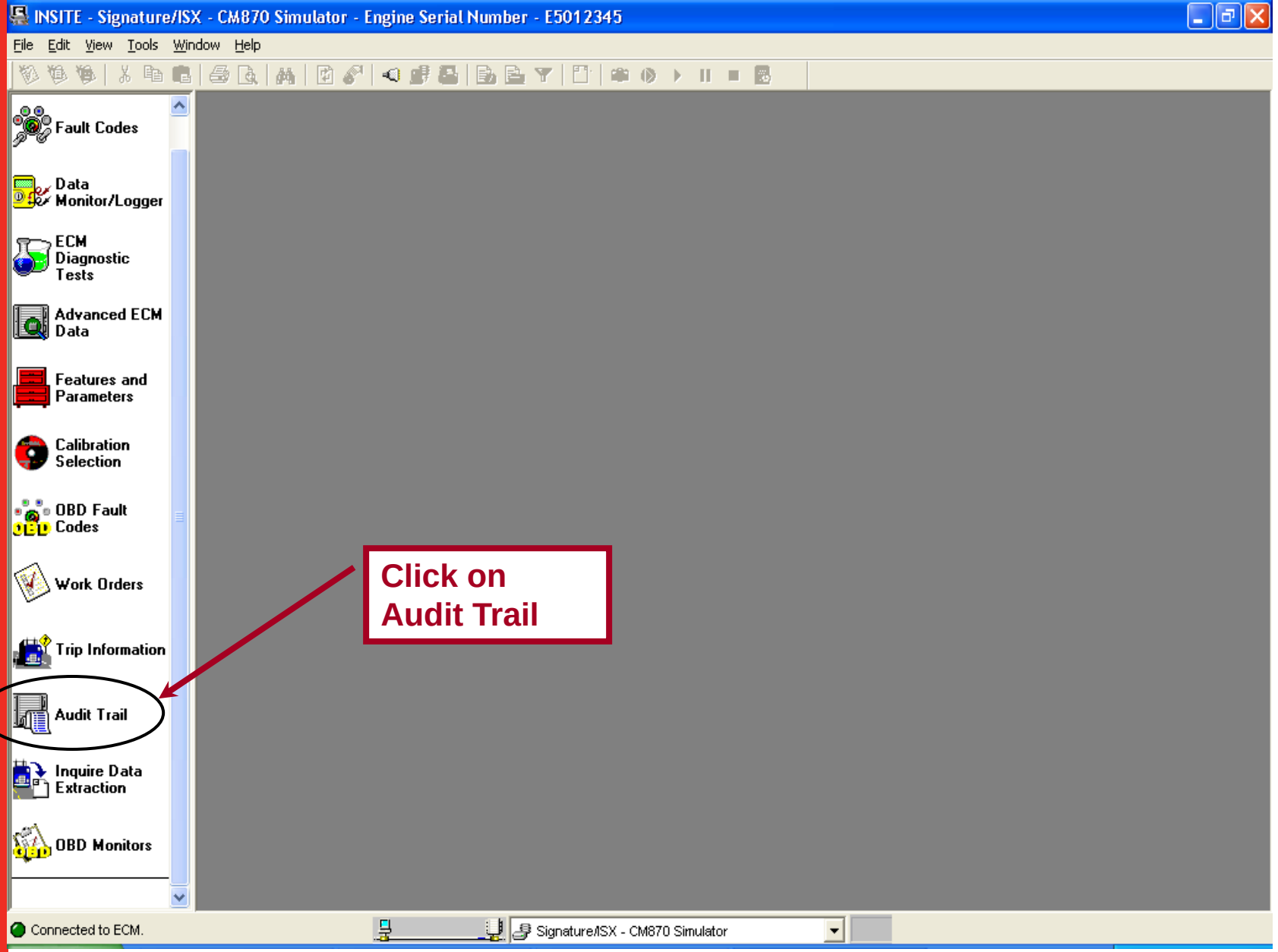
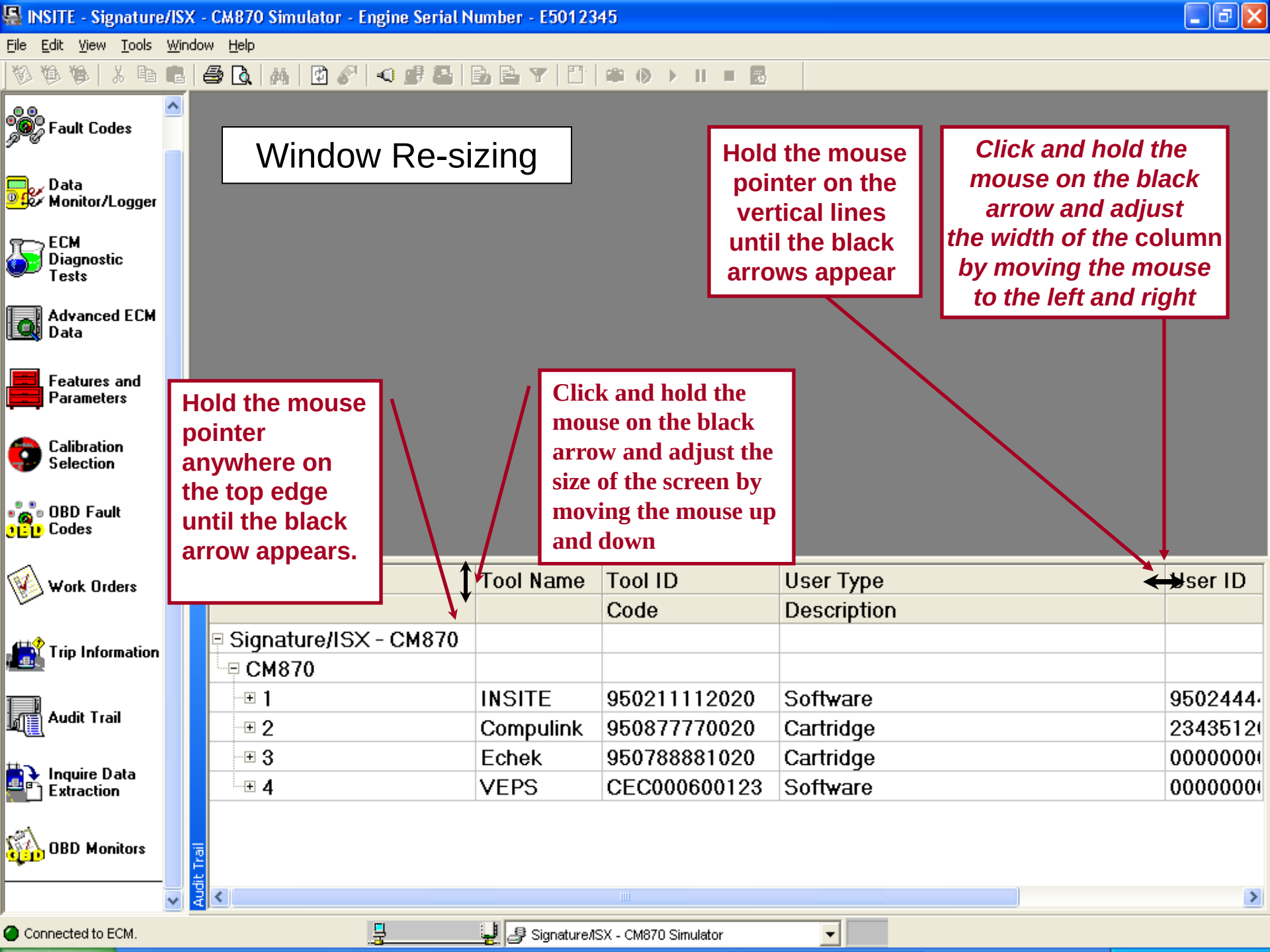
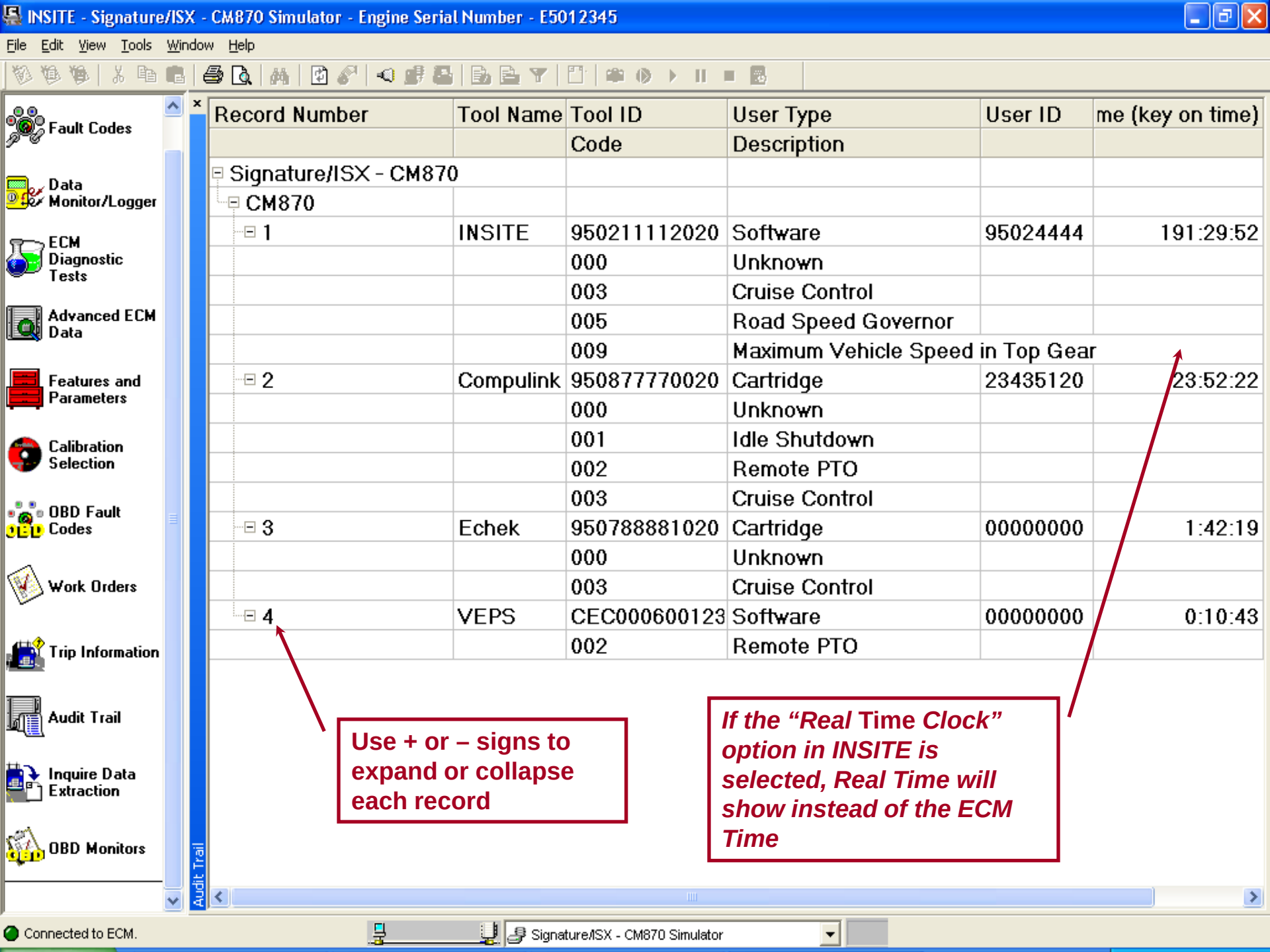
Audit Trail

- Tracks changes made to ECM settings
  - INSITE Tool Version
  - User Identification
  - ECM Time
- 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


INSITE - Signature/ISX - CM870 Simulator - Engine Serial Number - E5012345
File Edit View Tools Window Help
Fault Codes
Data Monitor/Logger
ECM Diagnostic Tests
Advanced ECM Data
Features and Parameters
Calibration Selection
OBD Fault Codes
Work Orders
Trip Information
Audit Trail
Inquire Data Extraction
OBD Monitors
Click on Audit Trail
Connected to ECM.
Signature/ISX - CM870 Simulator


INSITE - Signature/ISX - CM870 Simulator - Engine Serial Number - E5012345
File Edit View Tools Window Help
Fault Codes
Data Monitor/Logger
ECM Diagnostic Tests
Advanced ECM Data
Features and Parameters
Calibration Selection
OBD Fault Codes
Work Orders
Trip Information
Audit Trail
Inquire Data Extraction
OBD Monitors
Window Re-sizing
Hold the mouse pointer on the vertical lines until the black arrows appear
Click and hold the mouse on the black arrow and adjust the width of the column by moving the mouse to the left and right
Hold the mouse pointer anywhere on the top edge until the black arrow appears.
Click and hold the mouse on the black arrow and adjust the size of the screen by moving the mouse up and down
Tool Name
Tool ID
User Type
User ID
Code
Description
Signature/ISX - CM870
CM870
1 INSITE 950211112020 Software
2 Compulink 950877770020 Cartridge
3 Echek 950788881020 Cartridge
4 VEPS CEC000600123 Software
Audit Trail
Connected to ECM.
Signature/ISX - CM870 Simulator


INSITE - Signature/ISX - CM870 Simulator - Engine Serial Number - E5012345
File Edit View Tools Window Help
Fault Codes
Data Monitor/Logger
ECM Diagnostic Tests
Advanced ECM Data
Features and Parameters
Calibration Selection
OBD Fault Codes
Work Orders
Trip Information
Audit Trail
Inquire Data Extraction
OBD Monitors
Audit Trail
Record Number | Tool Name | Tool ID | User Type | User ID | me (key on time)
Code | Description
Signature/ISX - CM870
CM870
1 | INSITE | 950211112020 | Software | 95024444 | 191:29:52
000 Unknown
003 Cruise Control
005 Road Speed Governor
009 Maximum Vehicle Speed in Top Gear
2 | Compulink | 950877770020 | Cartridge | 23435120 | 23:52:22
000 Unknown
001 Idle Shutdown
002 Remote PTO
003 Cruise Control
3 | Echek | 950788881020 | Cartridge | 00000000 | 1:42:19
000 Unknown
003 Cruise Control
4 | VEPS | CEC000600123 | Software | 00000000 | 0:10:43
002 Remote PTO
Use + or – signs to expand or collapse each record
If the "Real Time Clock" option in INSITE is selected, Real Time will show instead of the ECM Time
Connected to ECM.
Signature/ISX - CM870 Simulator

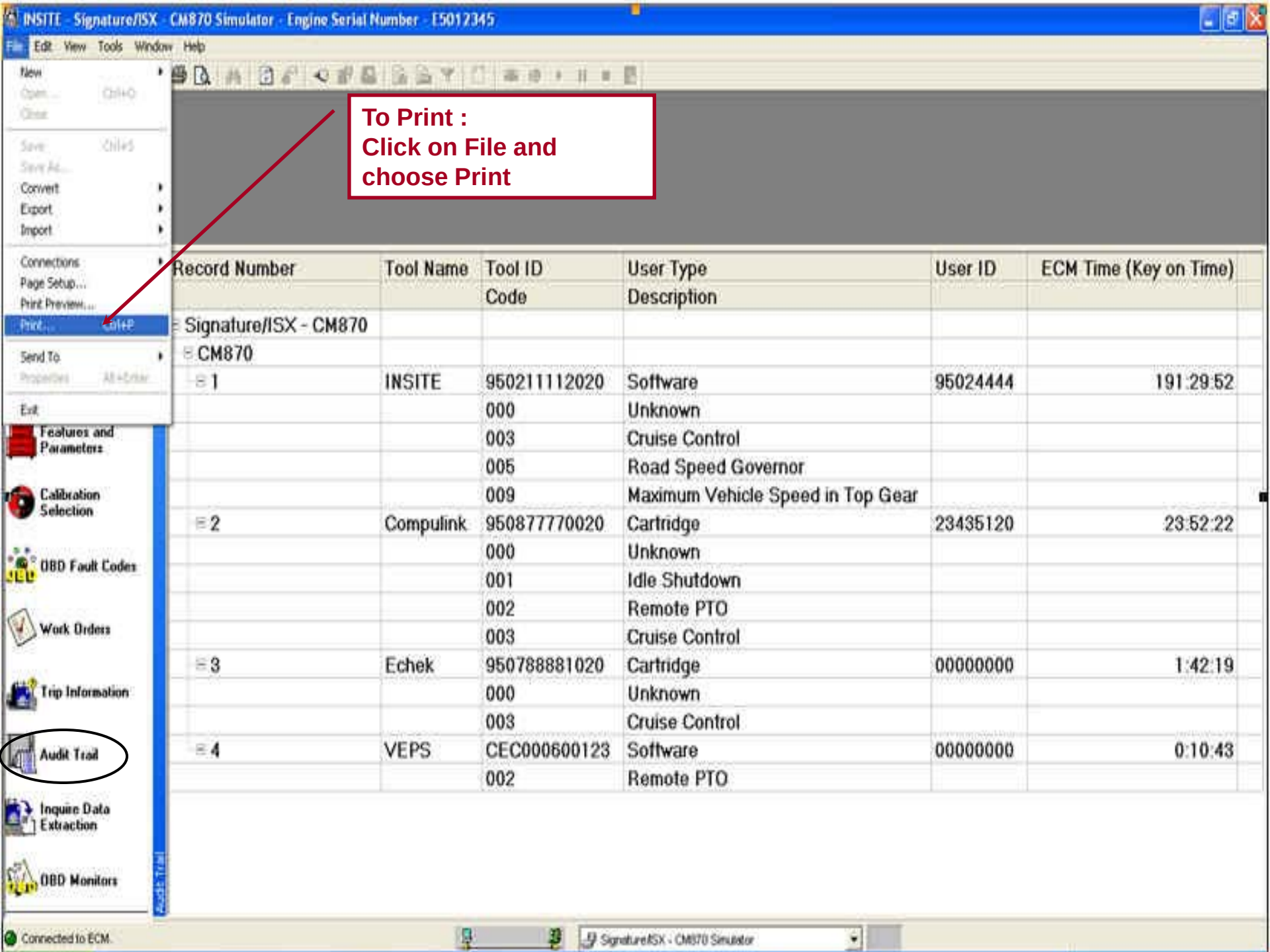
Audit Trail

Software Version of the application

Record Number	Tool Name	Tool ID	User Type	User ID	ECM Time (key on time)
		Code	Description		
Signature/ISX - CM870					
CM870					
1	INSITE	950211112020	Software	95024444	191:29:52
		000	Unknown		
		003	Cruise Control		
		005	Road Speed Governor		
		009	Maximum Vehicle Speed in Top Gear		
2	Compulink	950877770020	Cartridge	23435120	23:52:22
		000	Unknown		
		001	Idle Shutdown		
		002	Remote PTO		
		003	Cruise Control		
3	Echek	9507888881020	Cartridge	00000000	1:42:19
		000	Unknown		
		003	Cruise Control		
4	VEPS	CEC000600123	Software		0:10:43
		002	Remote PTO		

User ID who made the change

Codes that identify the type of ECM changes


INSITE - Signature/ISX - CM870 Simulator - Engine Serial Number - E5012345
File Edit View Tools Window Help
New
Open... Ctrl+O
Close
Save Ctrl+S
Save As...
Convert
Export
Import
Connections
Page Setup...
Print Preview...
Print... Ctrl+P
Send To
Properties Alt+Enter
Exit
To Print :
Click on File and
choose Print
Features and Parameters
Calibration Selection
OBD Fault Codes
Work Orders
Trip Information
Audit Trail
Inquire Data Extraction
OBD Monitors
Audit Trail
Record Number
Tool Name
Tool ID
Code
User Type
Description
User ID
ECM Time (Key on Time)
Signature/ISX - CM870
CM870
1 INSITE 950211112020 Software 95024444 191:29:52
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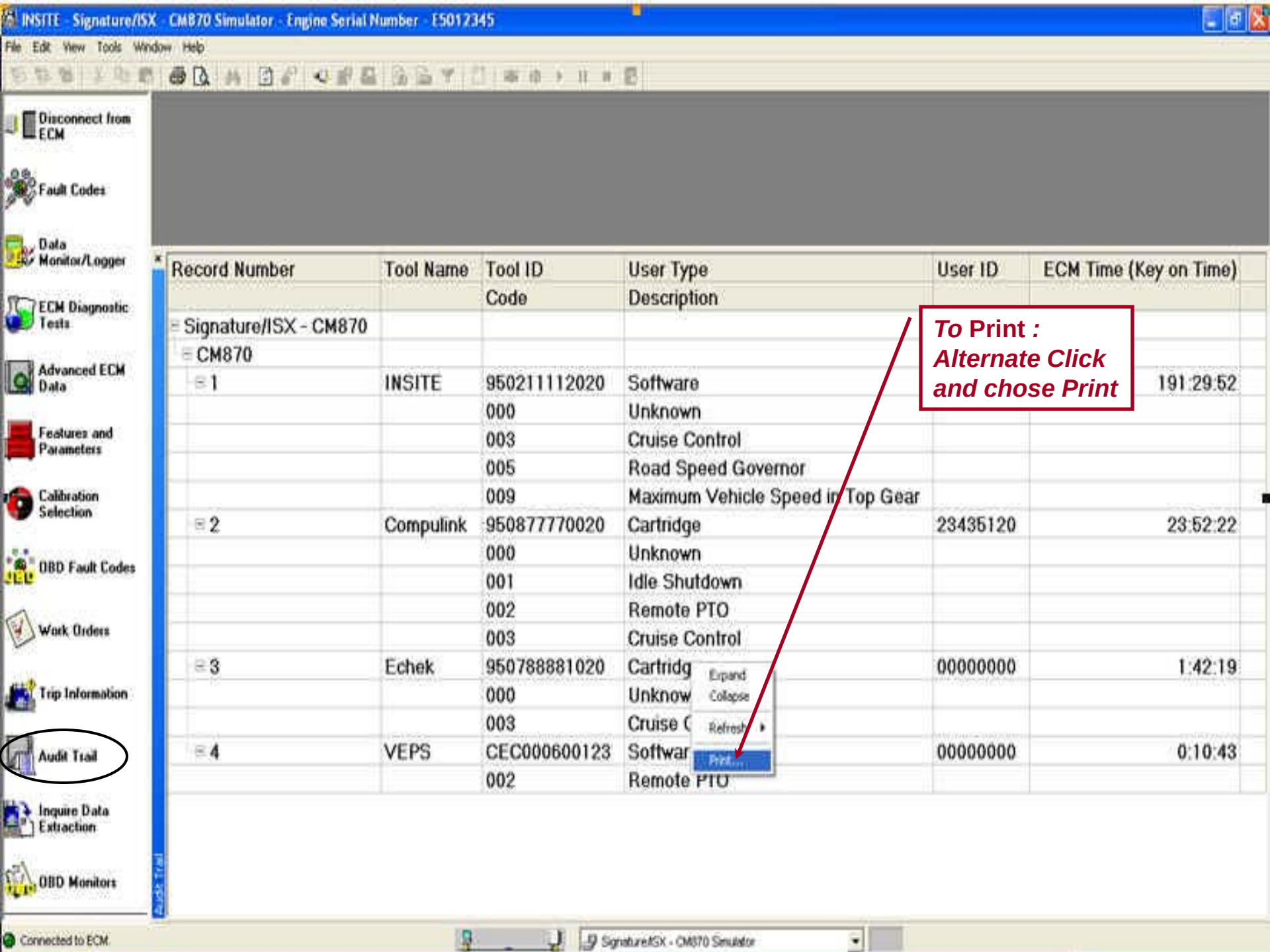
002 Remote PTO
003 Cruise Control
3 Echek 950788881020 Cartridge 00000000 1:42:19
000 Unknown
003 Cruise Control
4 VEPS CEC000600123 Software 00000000 0:10:43
002 Remote PTO
Connected to ECM
Signature/ISX - CM870 Simulator


INSITE - Signature/ISX - CM870 Simulator - Engine Serial Number - E5012345
File Edit View Tools Window Help
Disconnect from ECM
Fault Codes
Data Monitor/Logger
ECM Diagnostic Tests
Advanced ECM Data
Features and Parameters
Calibration Selection
OBD Fault Codes
Work Orders
Trip Information
Audit Trail
Inquire Data Extraction
OBD Monitors
Record Number
Tool Name
Tool ID
Code
User Type
Description
User ID
ECM Time (Key on Time)
Signature/ISX - CM870
CM870
1 INSITE 950211112020 Software 191:29:52
000 Unknown
003 Cruise Control
005 Road Speed Governor
009 Maximum Vehicle Speed in Top Gear
2 Compulink 950877770020 Cartridge 23435120 23:52:22
000 Unknown
001 Idle Shutdown
002 Remote PTO
003 Cruise Control
3 Echek 950788881020 Cartridg 00000000 1:42:19
000 Unknow
003 Cruise C
4 VEPS CEC000600123 Softwar 00000000 0:10:43
002 Remote PTO
Expand
Collapse
Refresh
Print...
To Print : Alternate Click and chose Print
Connected to ECM
Signature/ISX - CM870 Simulator

Audit Trail Wrap Up

- The most recent changes will appear under record number 1
- Multiple changes might be listed under each of the 4 or 8 records if supported by the calibration
- Audit Trail will automatically update as changes are made to the ECM
- User can perform refresh within INSITE™ by using the alternate click and choosing Refresh

You have concluded this section of the training.

Please click to the next slide and continue or Click Here to return to the Table of Content.

INSITE™ Calibration Selection

Electronic Service Tools

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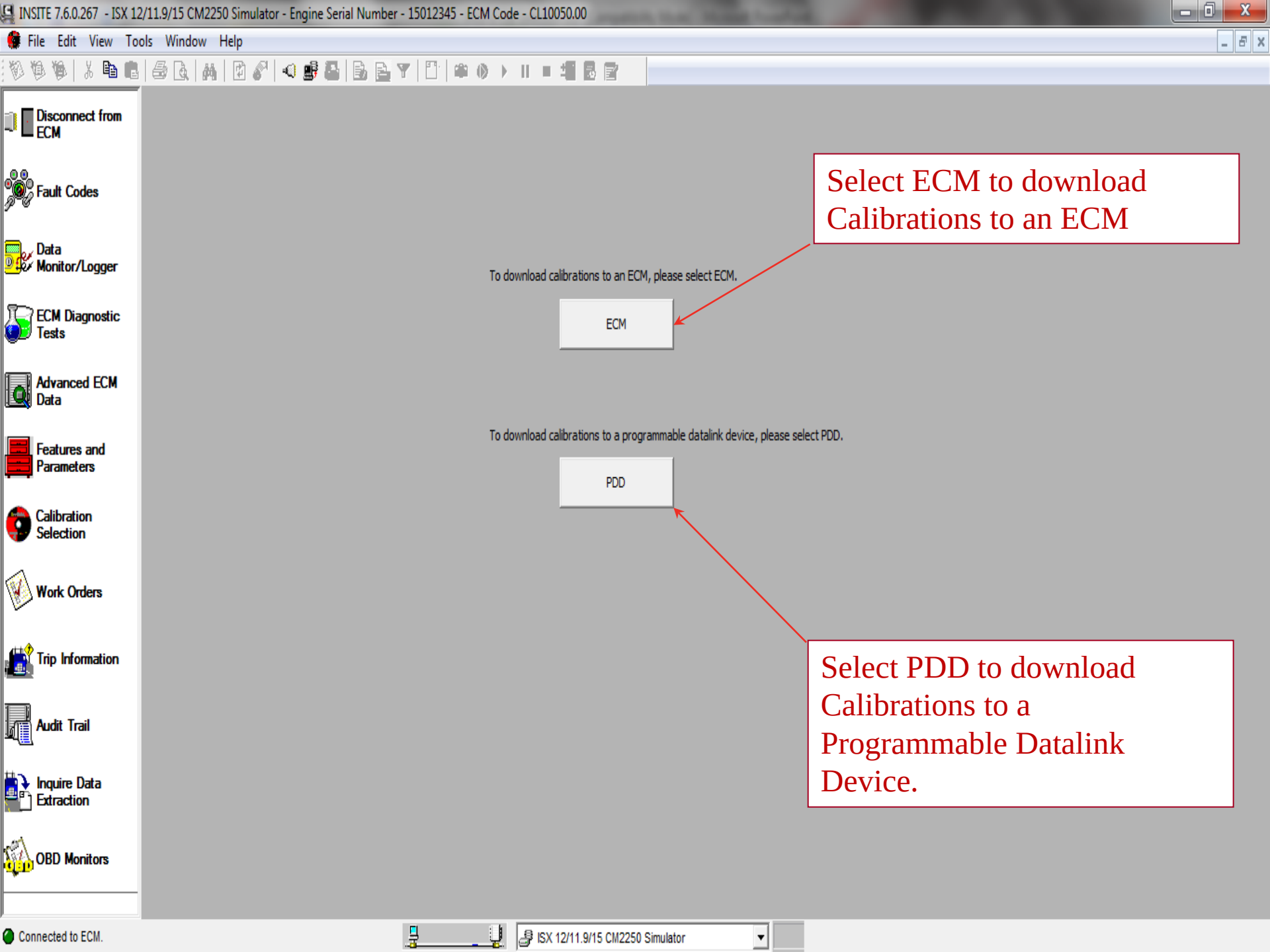
Calibration Selection

Programmable Datalink Device

- The Calibration Selection has been redesigned to include a separate section for Programmable Datalink Device (PDD) Calibrations such as the Aftertreatment Device or Turbocharger. This will allow users to bypass connecting to the ECM and download directly to a PDD.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File Edit View Tools Window Help
Disconnect from ECM
Fault Codes
Data Monitor/Logger
ECM Diagnostic Tests
Advanced ECM Data
Features and Parameters
Calibration Selection
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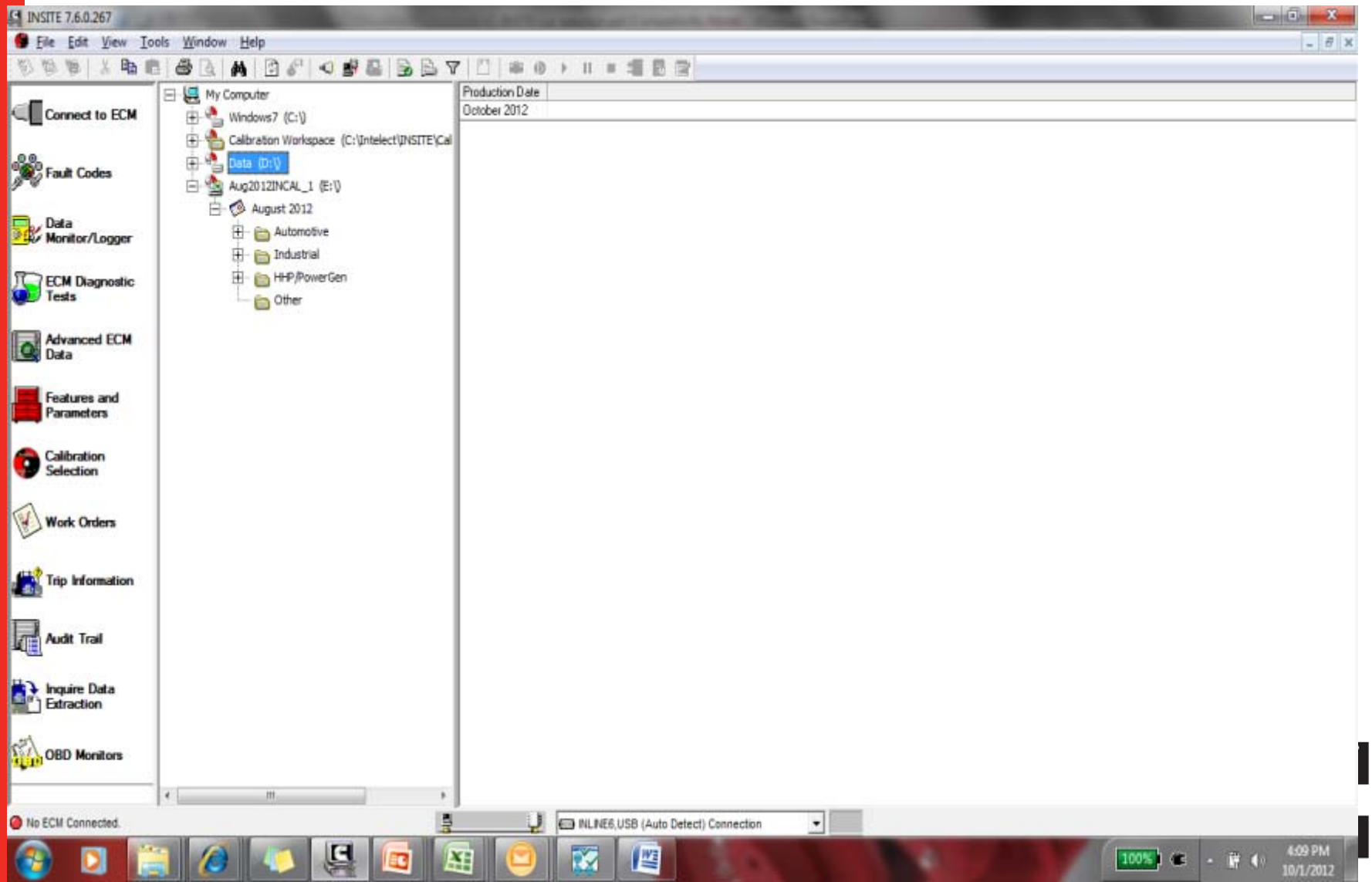
Inquire Data Extraction
OBD Monitors
Select ECM to download Calibrations to an ECM
To download calibrations to an ECM, please select ECM.
ECM
To download calibrations to a programmable datalink device, please select PDD.
PDD
Select PDD to download Calibrations to a Programmable Datalink Device.
Connected to ECM.
ISX 12/11.9/15 CM2250 Simulator

Calibration Selection

Ability to update or change the rating of an Engine



Calibration Selection

- Calibration Selection has products sorted into groups:
  - Automotive
  - Industrial
  - HHP/PowerGen
  - Other

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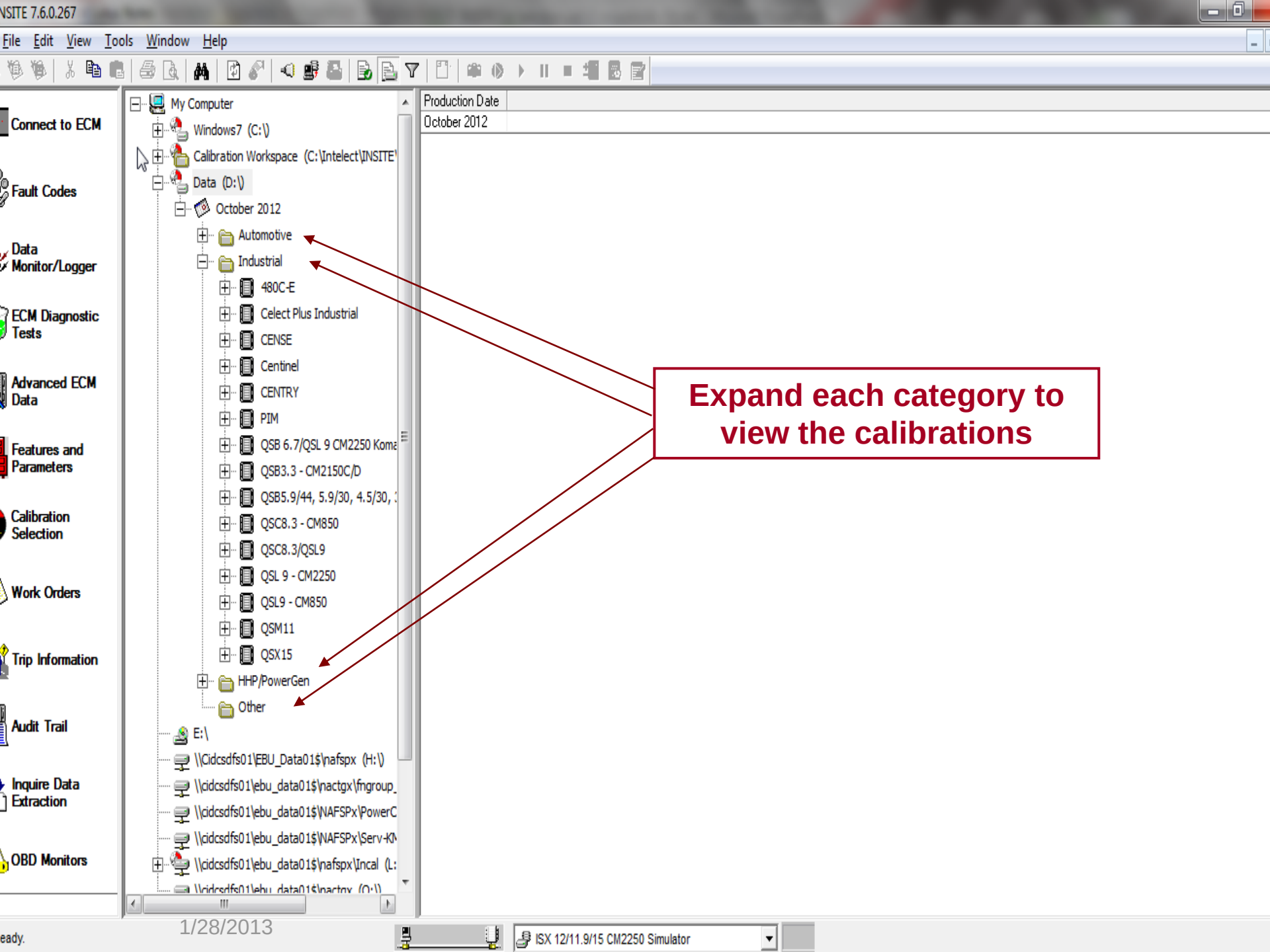
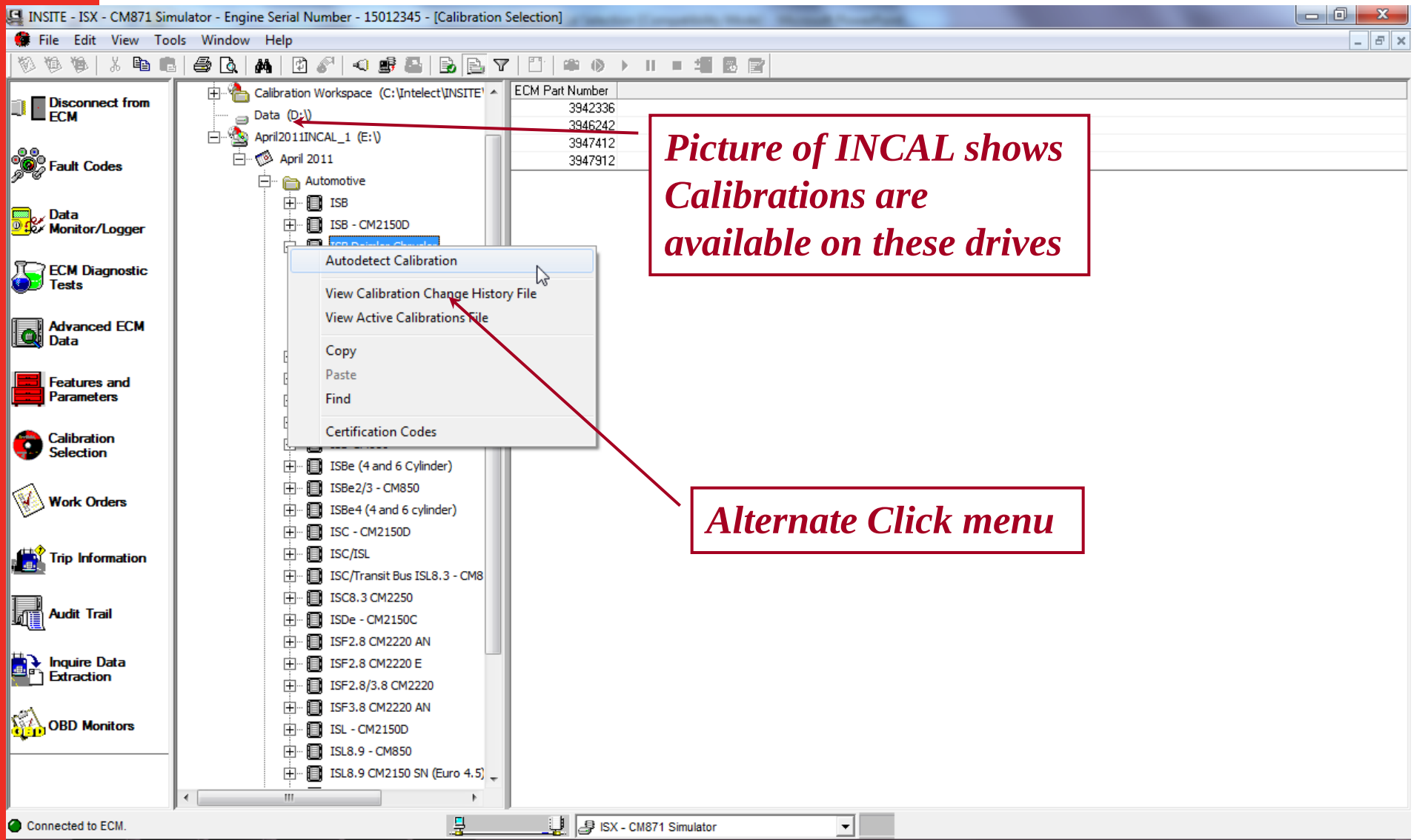
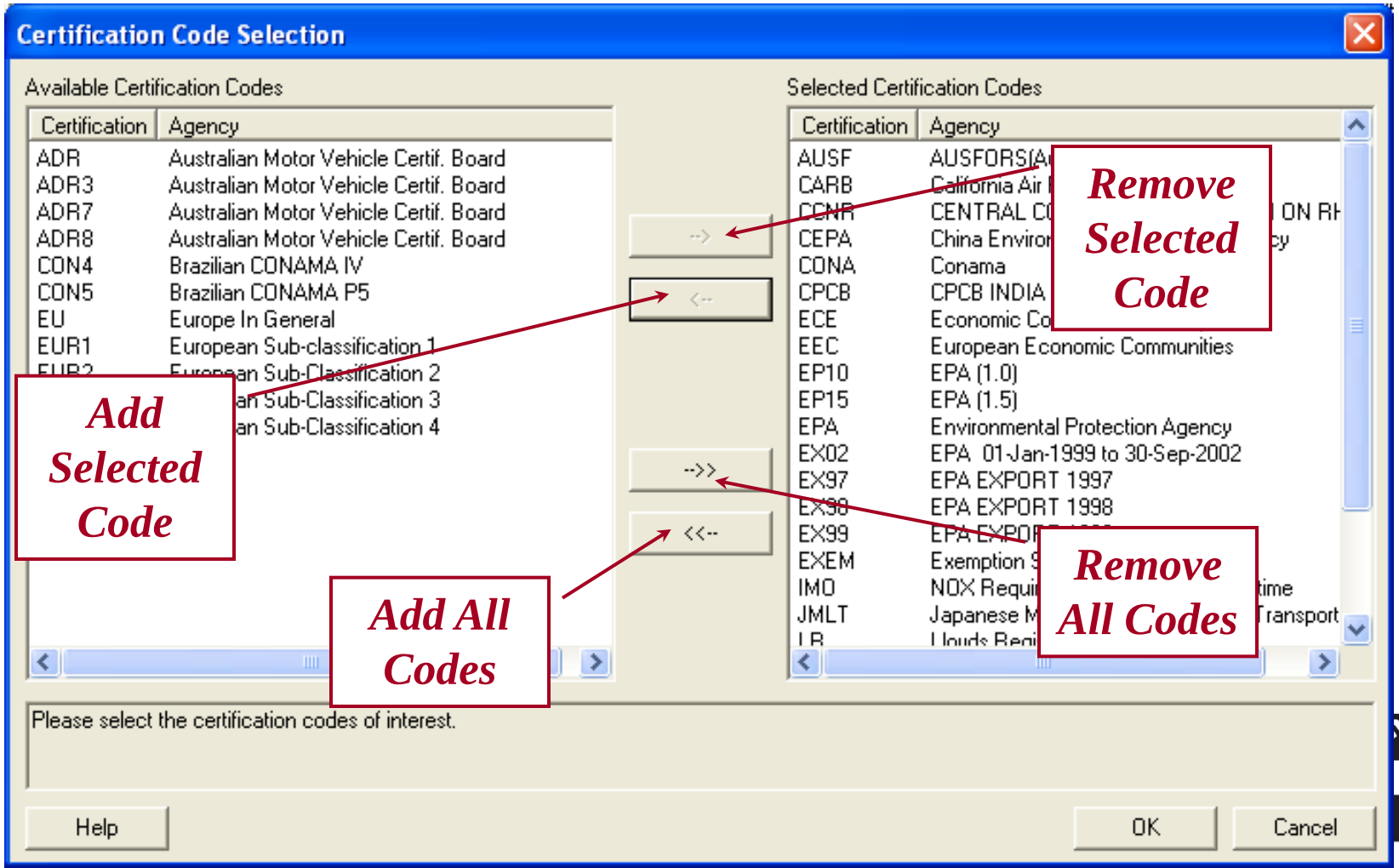

NSITE 7.6.0.267
File Edit View Tools Window Help
Connect to ECM
Fault Codes
Data Monitor/Logger
ECM Diagnostic Tests
Advanced ECM Data
Features and Parameters
Calibration Selection
Work Orders
Trip Information
Audit Trail
Inquire Data Extraction
OBD Monitors
My Computer
Windows7 (C:\)
Calibration Workspace (C:\Intelect\INSITE
Data (D:\)
October 2012
Automotive
Industrial
480C-E
Celect Plus Industrial
CENSE
Centinel
CENTRY
PIM
QSB 6.7/QSL 9 CM2250 Koma
QSB3.3 - CM2150C/D
QSB5.9/44, 5.9/30, 4.5/30,
QSC8.3 - CM850
QSC8.3/QSL9
QSL 9 - CM2250
QSL9 - CM850
QSM11
QSX15
HHP/PowerGen
Other
E:\
\\Cidcsdfs01\EBU_Data01$\nafspx (H:\)
\\cidcsdfs01\ebu_data01$\nactgx\fngroup_
\\cidcsdfs01\ebu_data01$\NAFSPx\PowerC
\\cidcsdfs01\ebu_data01$\NAFSPx\Serv-KI
\\cidcsdfs01\ebu_data01$\nafspx\Incal (L:
Production Date
October 2012
Expand each category to view the calibrations
ISX 12/11.9/15 CM2250 Simulator
eady.
1/28/2013

Calibration Selection



Calibration Selection

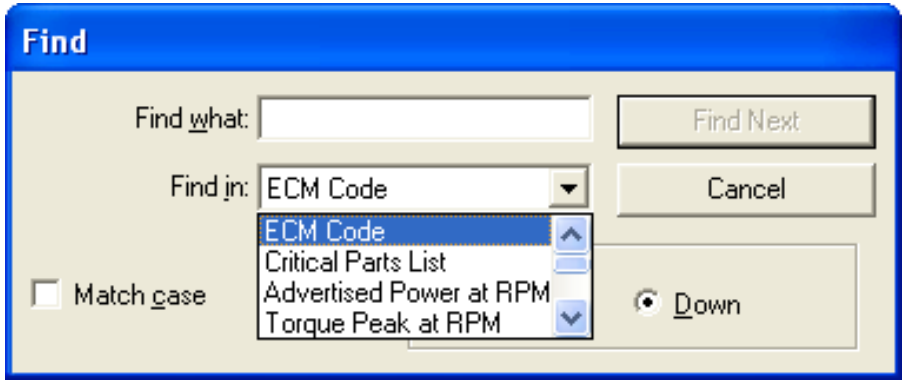
Ability to Select Specific Certification Codes

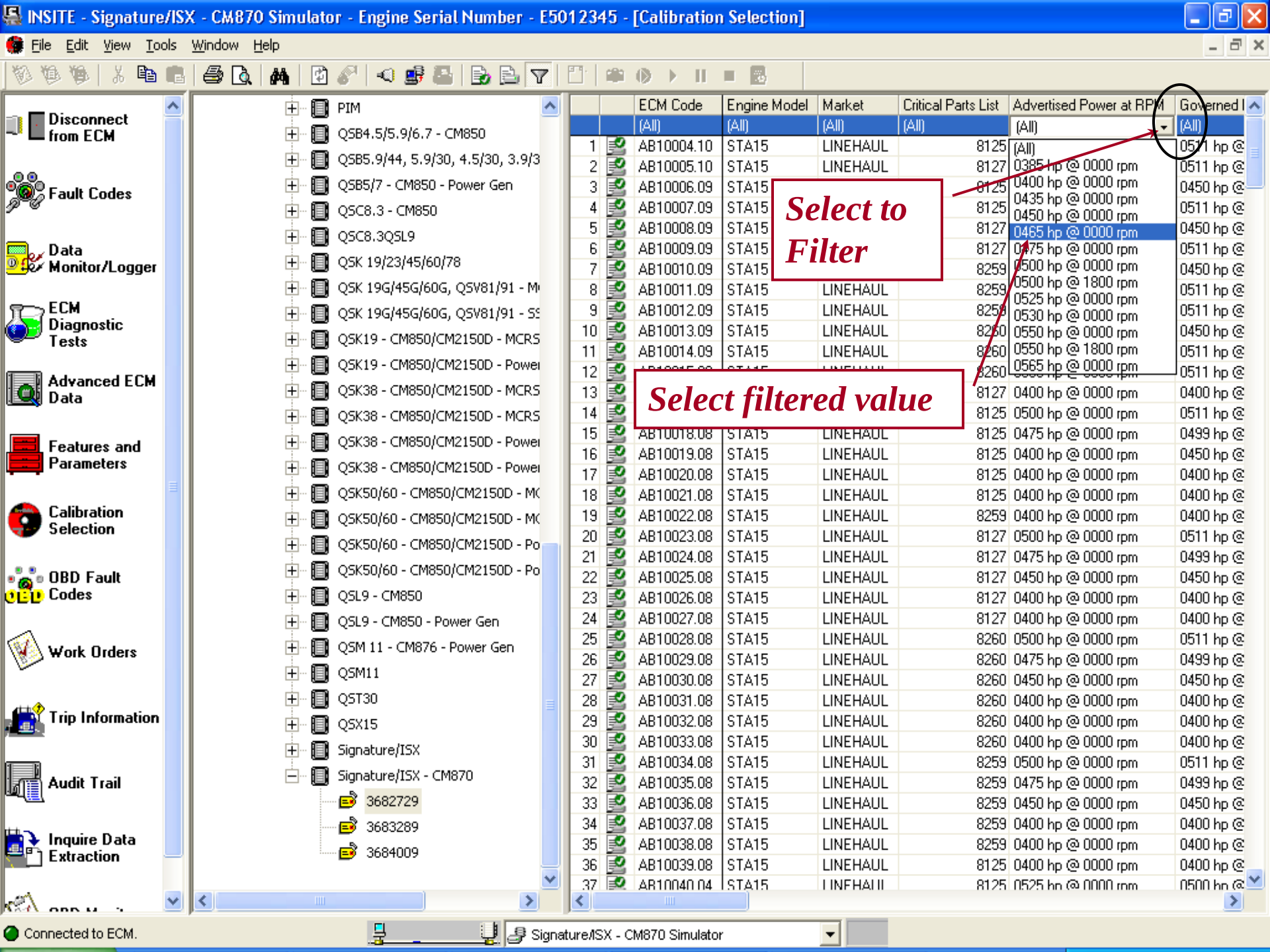


Calibration Selection

Calibration Selection

- Search/Find Calibration Note Data
- Sort each Column in Ascending or Descending order
- Filter Calibrations according to HP, Torque, etc.
- Move Columns to better align Notes




INSITE - Signature/ISX - CM870 Simulator - Engine Serial Number - E5012345 - [Calibration Selection]
File Edit View Tools Window Help
Disconnect from ECM
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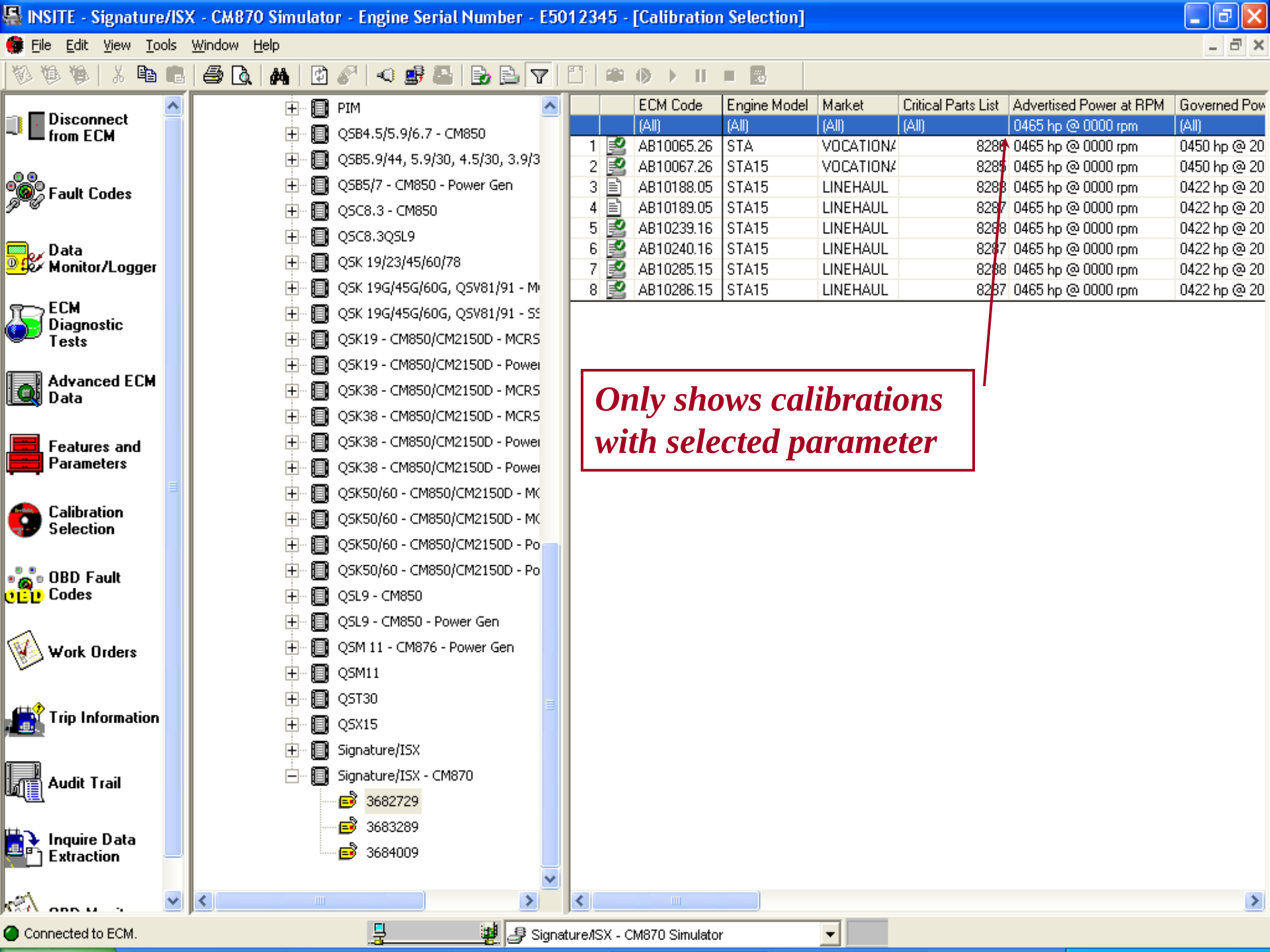
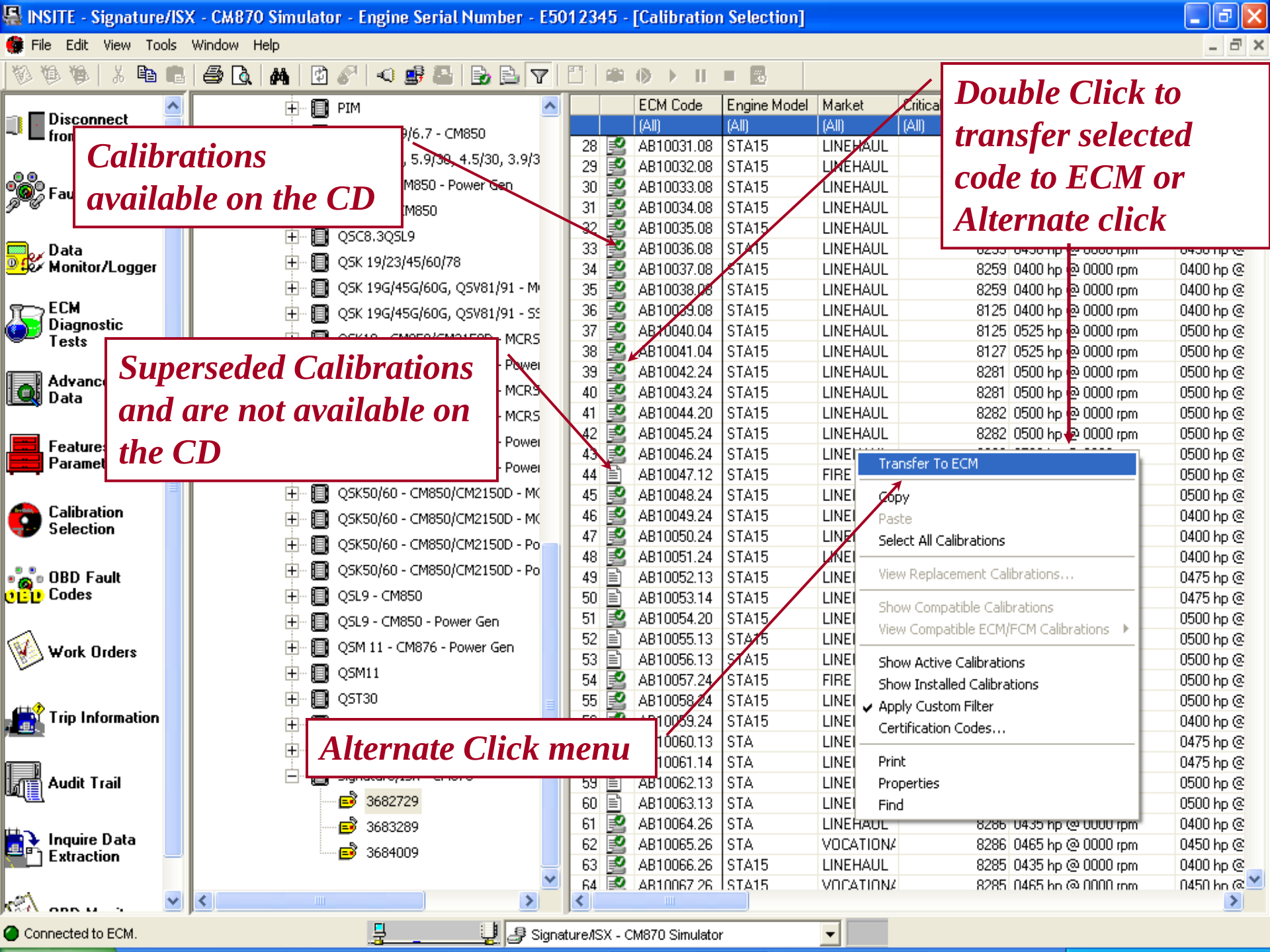
PIM
QSB4.5/5.9/6.7 - CM850
QSB5.9/44, 5.9/30, 4.5/30, 3.9/3
QSB5/7 - CM850 - Power Gen
QSC8.3 - CM850
QSC8.3QSL9
QSK 19/23/45/60/78
QSK 19G/45G/60G, QSV81/91 - M
QSK 19G/45G/60G, QSV81/91 - S
QSK19 - CM850/CM2150D - MCRS
QSK19 - CM850/CM2150D - Powe
QSK38 - CM850/CM2150D - MCRS
QSK38 - CM850/CM2150D - MCRS
QSK38 - CM850/CM2150D - Powe
QSK38 - CM850/CM2150D - Powe
QSK50/60 - CM850/CM2150D - MC
QSK50/60 - CM850/CM2150D - MC
QSK50/60 - CM850/CM2150D - Po
QSK50/60 - CM850/CM2150D - Po
QSL9 - CM850
QSL9 - CM850 - Power Gen
QSM 11 - CM876 - Power Gen
QSM11
QST30
QSX15
Signature/ISX
Signature/ISX - CM870
3682729
3683289
3684009
ECM Code
Engine Model
Market
Critical Parts List
Advertised Power at RPM
Governed
(All)
(All)
(All)
(All)
(All)
(All)
0385 hp @ 0000 rpm
0400 hp @ 0000 rpm
0435 hp @ 0000 rpm
0450 hp @ 0000 rpm
0465 hp @ 0000 rpm
0475 hp @ 0000 rpm
0500 hp @ 0000 rpm
0500 hp @ 1800 rpm
0525 hp @ 0000 rpm
0530 hp @ 0000 rpm
0550 hp @ 0000 rpm
0550 hp @ 1800 rpm
0565 hp @ 0000 rpm
1 AB10004.10 STA15 LINEHAUL 8125 0511 hp @
2 AB10005.10 STA15 LINEHAUL 8127 0511 hp @
3 AB10006.09 STA15 8125 0450 hp @
4 AB10007.09 STA15 8125 0511 hp @
5 AB10008.09 STA15 8127 0450 hp @
6 AB10009.09 STA15 8127 0511 hp @
7 AB10010.09 STA15 8259 0450 hp @
8 AB10011.09 STA15 LINEHAUL 8259 0511 hp @
9 AB10012.09 STA15 LINEHAUL 8259 0511 hp @
10 AB10013.09 STA15 LINEHAUL 8260 0450 hp @
11 AB10014.09 STA15 LINEHAUL 8260 0511 hp @
12 8260 0511 hp @
13 8127 0400 hp @ 0000 rpm 0400 hp @
14 8125 0500 hp @ 0000 rpm 0511 hp @
15 AB10018.08 STA15 LINEHAUL 8125 0475 hp @ 0000 rpm 0499 hp @
16 AB10019.08 STA15 LINEHAUL 8125 0400 hp @ 0000 rpm 0450 hp @
17 AB10020.08 STA15 LINEHAUL 8125 0400 hp @ 0000 rpm 0400 hp @
18 AB10021.08 STA15 LINEHAUL 8125 0400 hp @ 0000 rpm 0400 hp @
19 AB10022.08 STA15 LINEHAUL 8259 0400 hp @ 0000 rpm 0400 hp @
20 AB10023.08 STA15 LINEHAUL 8127 0500 hp @ 0000 rpm 0511 hp @
21 AB10024.08 STA15 LINEHAUL 8127 0475 hp @ 0000 rpm 0499 hp @
22 AB10025.08 STA15 LINEHAUL 8127 0450 hp @ 0000 rpm 0450 hp @
23 AB10026.08 STA15 LINEHAUL 8127 0400 hp @ 0000 rpm 0400 hp @
24 AB10027.08 STA15 LINEHAUL 8127 0400 hp @ 0000 rpm 0400 hp @
25 AB10028.08 STA15 LINEHAUL 8260 0500 hp @ 0000 rpm 0511 hp @
26 AB10029.08 STA15 LINEHAUL 8260 0475 hp @ 0000 rpm 0499 hp @
27 AB10030.08 STA15 LINEHAUL 8260 0450 hp @ 0000 rpm 0450 hp @
28 AB10031.08 STA15 LINEHAUL 8260 0400 hp @ 0000 rpm 0400 hp @
29 AB10032.08 STA15 LINEHAUL 8260 0400 hp @ 0000 rpm 0400 hp @
30 AB10033.08 STA15 LINEHAUL 8260 0400 hp @ 0000 rpm 0400 hp @
31 AB10034.08 STA15 LINEHAUL 8259 0500 hp @ 0000 rpm 0511 hp @
32 AB10035.08 STA15 LINEHAUL 8259 0475 hp @ 0000 rpm 0499 hp @
33 AB10036.08 STA15 LINEHAUL 8259 0450 hp @ 0000 rpm 0450 hp @
34 AB10037.08 STA15 LINEHAUL 8259 0400 hp @ 0000 rpm 0400 hp @
35 AB10038.08 STA15 LINEHAUL 8259 0400 hp @ 0000 rpm 0400 hp @
36 AB10039.08 STA15 LINEHAUL 8125 0400 hp @ 0000 rpm 0400 hp @
37 AB10040.04 STA15 LINEHAUL 8125 0525 hp @ 0000 rpm 0500 hp @
Select to Filter
Select filtered value
Connected to ECM.
Signature/ISX - CM870 Simulator


INSITE - Signature/ISX - CM870 Simulator - Engine Serial Number - E5012345 - [Calibration Selection]
File Edit View Tools Window Help
Disconnect from ECM
Fault Codes
Data Monitor/Logger
ECM Diagnostic Tests
Advanced ECM Data
Features and Parameters
Calibration Selection
OBD Fault Codes
Work Orders
Trip Information
Audit Trail
Inquire Data Extraction
PIM
QSB4.5/5.9/6.7 - CM850
QSB5.9/44, 5.9/30, 4.5/30, 3.9/3
QSB5/7 - CM850 - Power Gen
QSC8.3 - CM850
QSC8.3QSL9
QSK 19/23/45/60/78
QSK 19G/45G/60G, QSV81/91 - M
QSK 19G/45G/60G, QSV81/91 - S
QSK19 - CM850/CM2150D - MCRS
QSK19 - CM850/CM2150D - Power
QSK38 - CM850/CM2150D - MCRS
QSK38 - CM850/CM2150D - MCRS
QSK38 - CM850/CM2150D - Power
QSK38 - CM850/CM2150D - Power
QSK50/60 - CM850/CM2150D - MC
QSK50/60 - CM850/CM2150D - MC
QSK50/60 - CM850/CM2150D - Po
QSK50/60 - CM850/CM2150D - Po
QSL9 - CM850
QSL9 - CM850 - Power Gen
QSM 11 - CM876 - Power Gen
QSM11
QST30
QSX15
Signature/ISX
Signature/ISX - CM870
3682729
3683289
3684009
ECM Code
Engine Model
Market
Critical Parts List
Advertised Power at RPM
Governed Pow
(All)
(All)
(All)
(All)
0465 hp @ 0000 rpm
(All)
1 AB10065.26 STA VOCATIONA 8286 0465 hp @ 0000 rpm 0450 hp @ 20
2 AB10067.26 STA15 VOCATIONA 8285 0465 hp @ 0000 rpm 0450 hp @ 20
3 AB10188.05 STA15 LINEHAUL 8288 0465 hp @ 0000 rpm 0422 hp @ 20
4 AB10189.05 STA15 LINEHAUL 8287 0465 hp @ 0000 rpm 0422 hp @ 20
5 AB10239.16 STA15 LINEHAUL 8288 0465 hp @ 0000 rpm 0422 hp @ 20
6 AB10240.16 STA15 LINEHAUL 8287 0465 hp @ 0000 rpm 0422 hp @ 20
7 AB10285.15 STA15 LINEHAUL 8288 0465 hp @ 0000 rpm 0422 hp @ 20
8 AB10286.15 STA15 LINEHAUL 8287 0465 hp @ 0000 rpm 0422 hp @ 20
Only shows calibrations with selected parameter
Connected to ECM.
Signature/ISX - CM870 Simulator



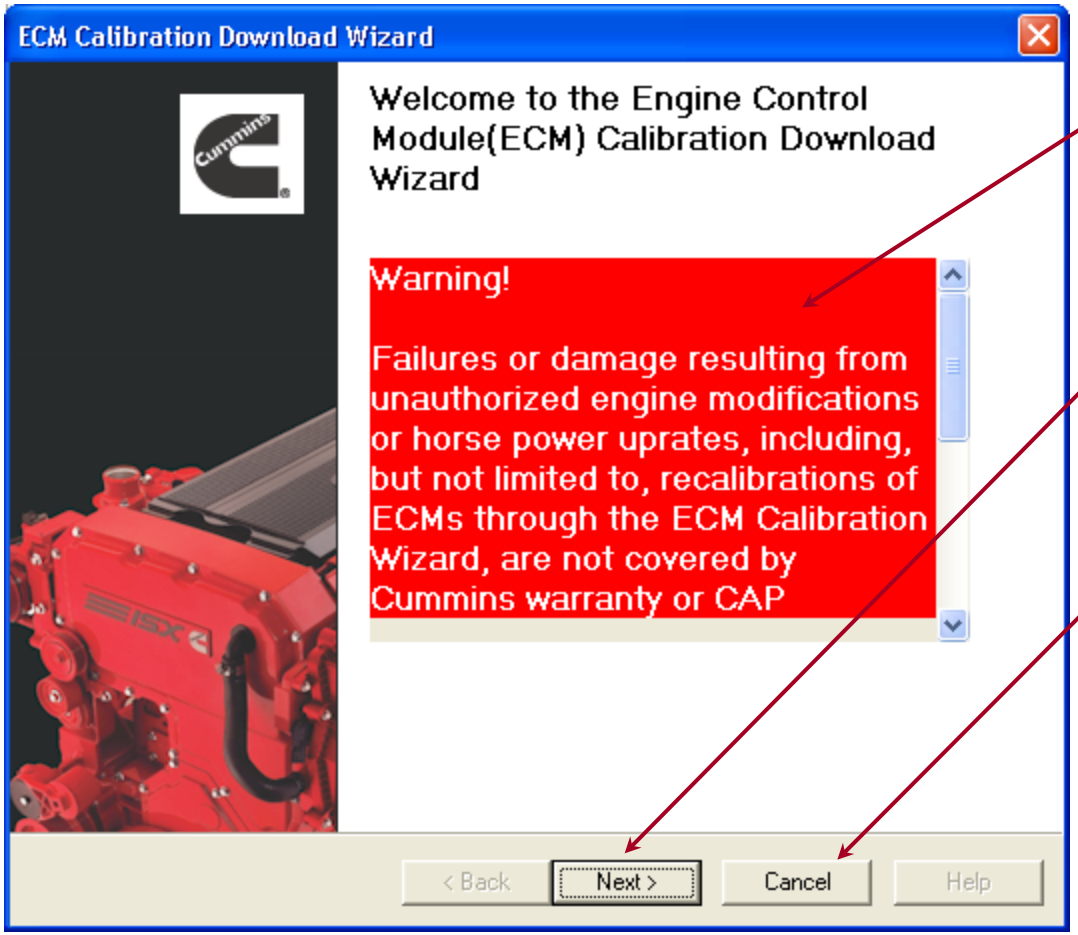
Calibrations available on the CD

Superseded Calibrations and are not available on the CD

Double Click to transfer selected code to ECM or Alternate click

Alternate Click menu

Calibration Selection



Read calibration warning

Next to continue

Cancel to stop

Calibration Selection: Authorization Passwords

Calibration Authorization Password is not required:

- Calibrating an ECM to a newer or older ECM Code revision
- Superseding ECM Codes
- Calibrating a Foot Printed ECM

Calibration Authorization Password is required:

- Calibrating a ROM booted ECM
- Changing to a different ECM Code

Authorization can be done by using:

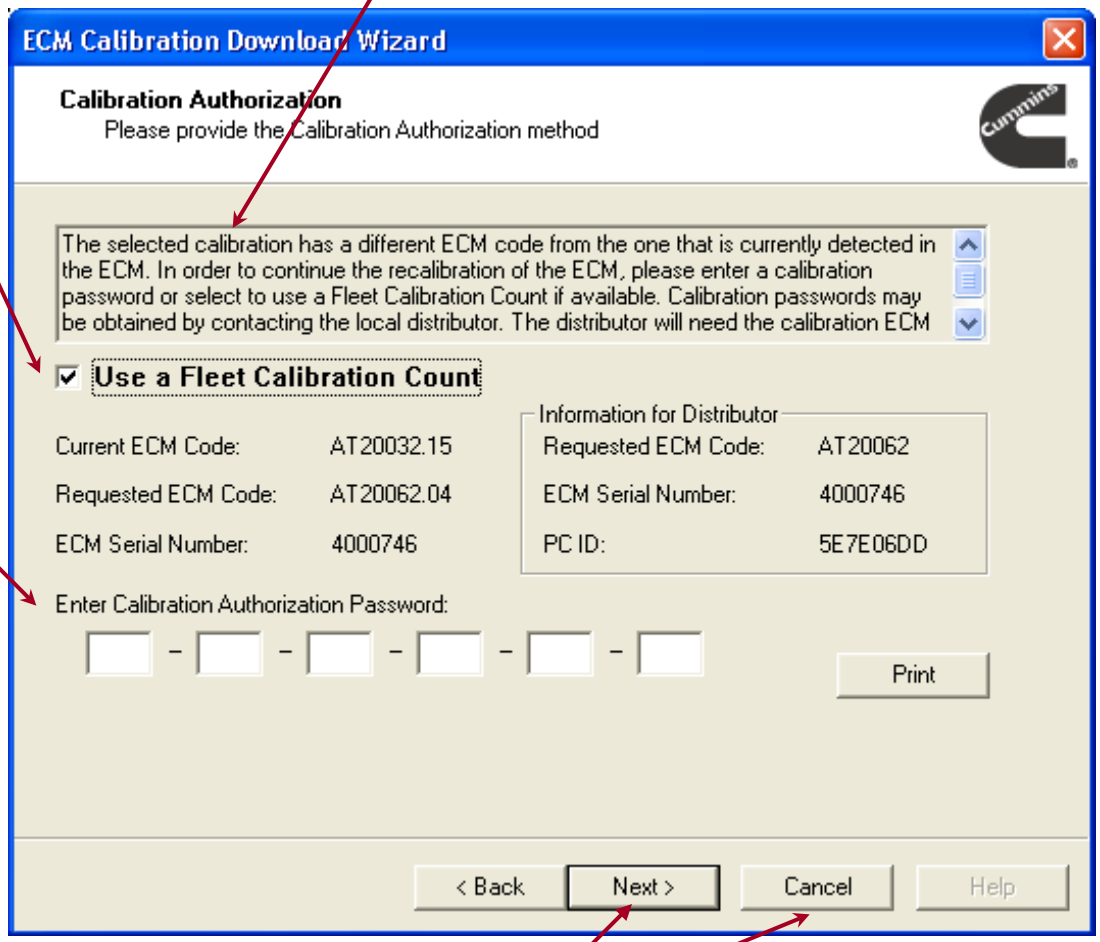
- Fleet Count
- Calibration Authorization Password
- **These are obtained from local distributors**

If Fleet Count available, Check to use Fleet Count

OR

Use single Calibration Authorization Password

Information given

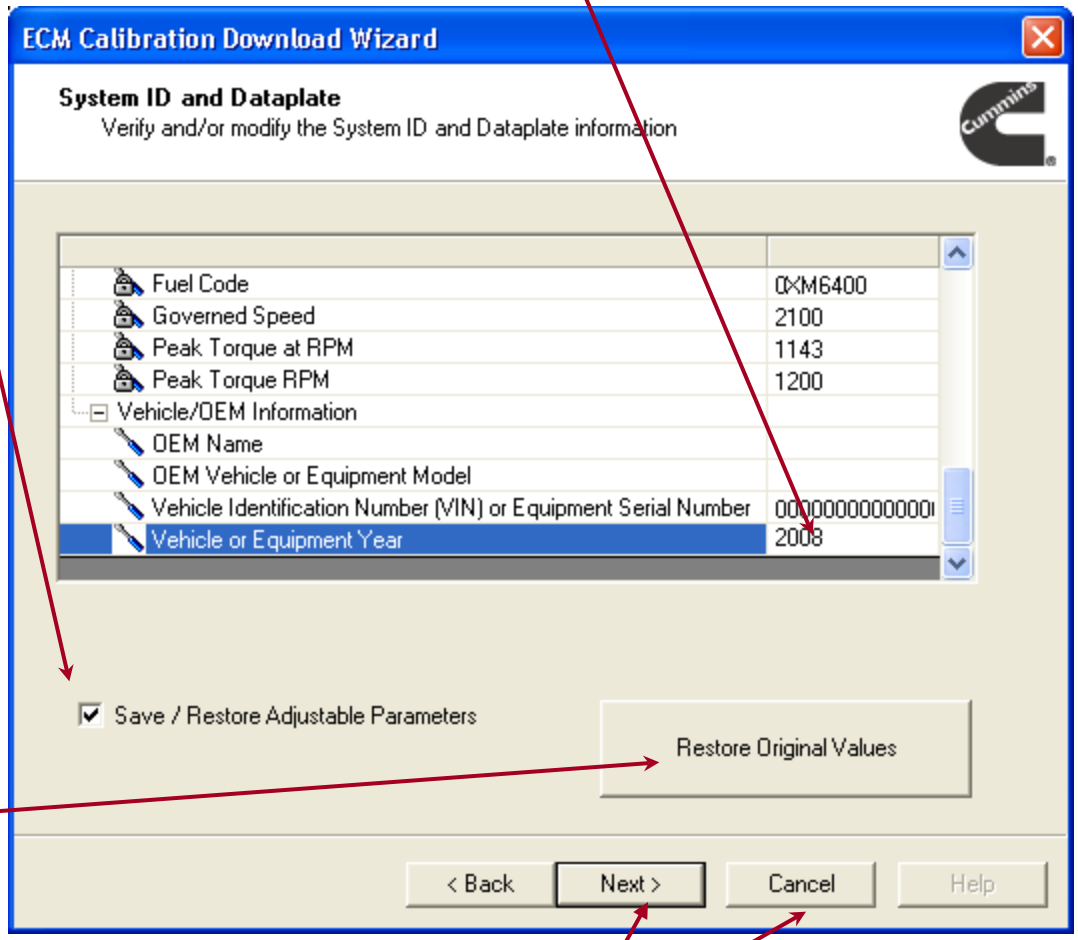


Next to continue or Cancel to stop

Can edit Dataplate

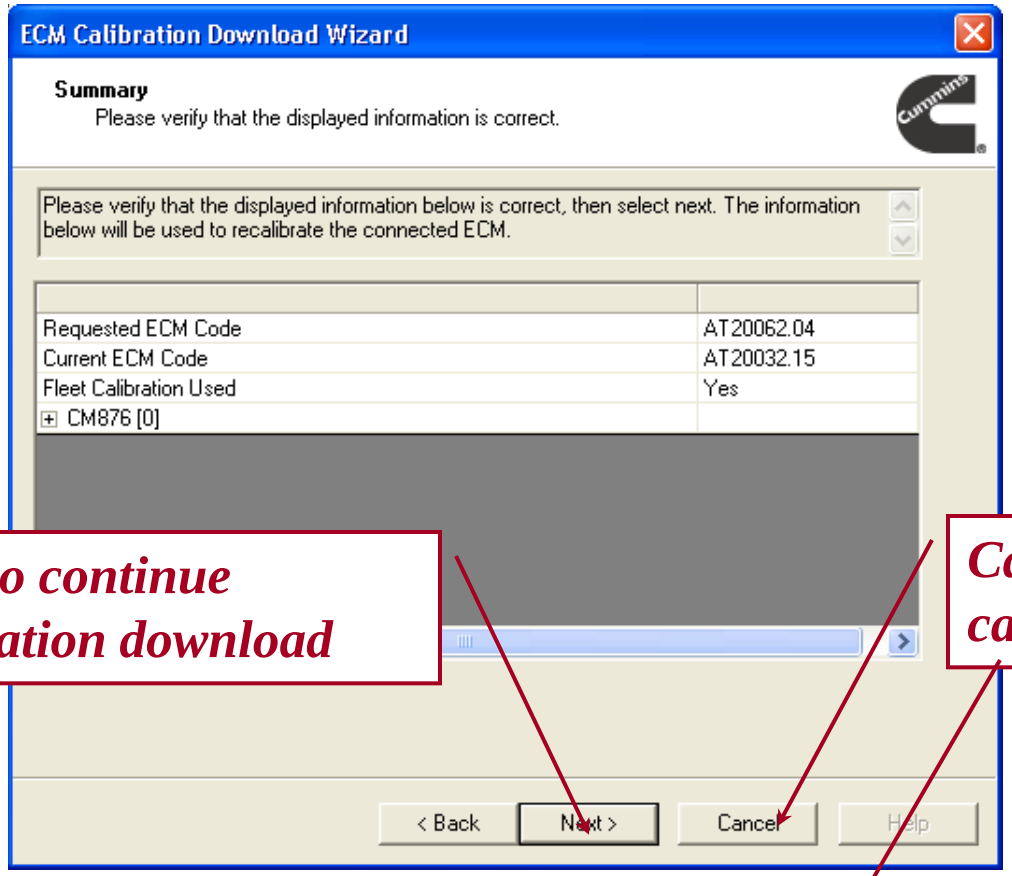
Option to Save and Restore Adjustable parameters.

For Industrial Applications this should not be checked



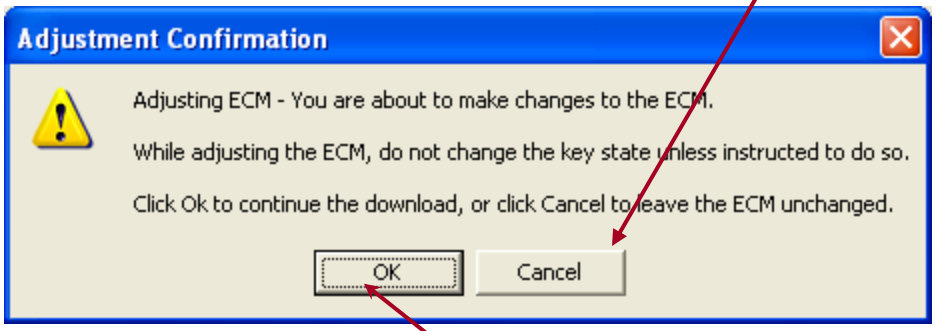
Undo Dataplate edits

Next to continue or Cancel to stop

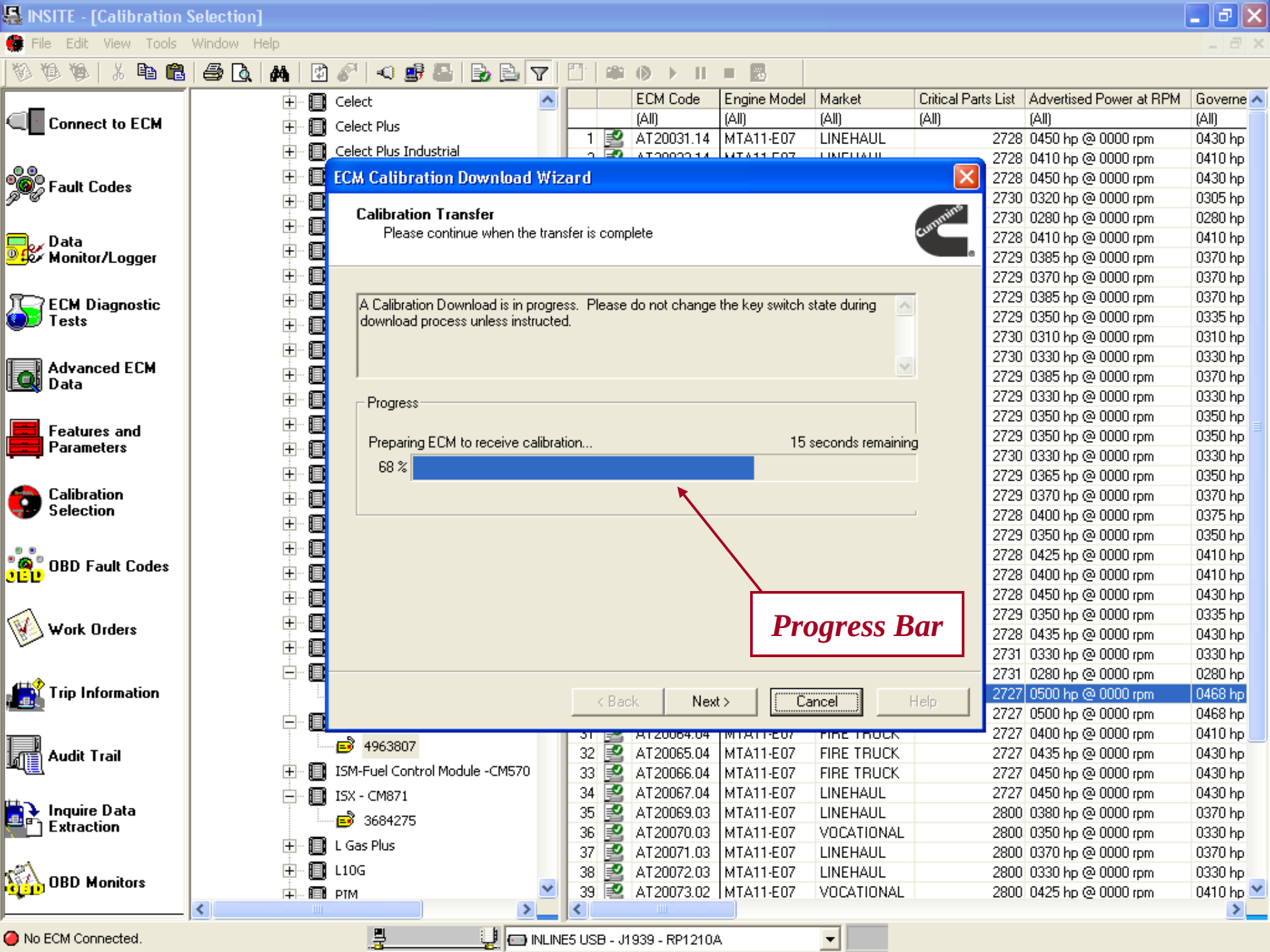


Next to continue calibration download

Cancel to stop calibration download



OK to start calibration download

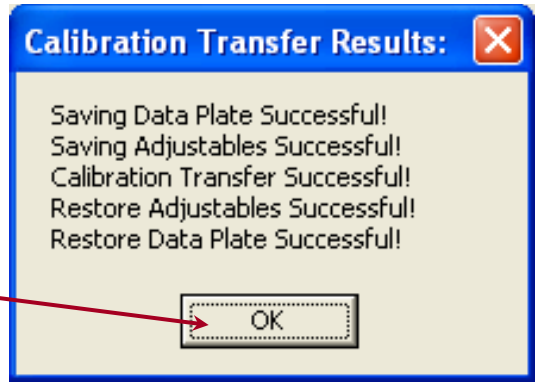

INSITE - [Calibration Selection]
File Edit View Tools Window Help
Connect to ECM
Fault Codes
Data Monitor/Logger
ECM Diagnostic Tests
Advanced ECM Data
Features and Parameters
Calibration Selection
OBD Fault Codes
Work Orders
Trip Information
Audit Trail
Inquire Data Extraction
OBD Monitors
Celect
Celect Plus
Celect Plus Industrial
4963807
ISM-Fuel Control Module -CM570
ISX - CM871
3684275
L Gas Plus
L10G
PIM
ECM Code
Engine Model
Market
Critical Parts List
Advertised Power at RPM
Governe
(All)
1 AT20031.14 MTA11-E07 LINEHAUL 2728 0450 hp @ 0000 rpm 0430 hp
2728 0410 hp @ 0000 rpm 0410 hp
2728 0450 hp @ 0000 rpm 0430 hp
2730 0320 hp @ 0000 rpm 0305 hp
2730 0280 hp @ 0000 rpm 0280 hp
2728 0410 hp @ 0000 rpm 0410 hp
2729 0385 hp @ 0000 rpm 0370 hp
2729 0370 hp @ 0000 rpm 0370 hp
2729 0385 hp @ 0000 rpm 0370 hp
2729 0350 hp @ 0000 rpm 0335 hp
2730 0310 hp @ 0000 rpm 0310 hp
2730 0330 hp @ 0000 rpm 0330 hp
2729 0385 hp @ 0000 rpm 0370 hp
2729 0330 hp @ 0000 rpm 0330 hp
2729 0350 hp @ 0000 rpm 0350 hp
2729 0350 hp @ 0000 rpm 0350 hp
2730 0330 hp @ 0000 rpm 0330 hp
2729 0365 hp @ 0000 rpm 0350 hp
2729 0370 hp @ 0000 rpm 0370 hp
2728 0400 hp @ 0000 rpm 0375 hp
2729 0350 hp @ 0000 rpm 0350 hp
2728 0425 hp @ 0000 rpm 0410 hp
2728 0400 hp @ 0000 rpm 0410 hp
2728 0450 hp @ 0000 rpm 0430 hp
2729 0350 hp @ 0000 rpm 0335 hp
2728 0435 hp @ 0000 rpm 0430 hp
2731 0330 hp @ 0000 rpm 0330 hp
2731 0280 hp @ 0000 rpm 0280 hp
2727 0500 hp @ 0000 rpm 0468 hp
2727 0500 hp @ 0000 rpm 0468 hp
2727 0400 hp @ 0000 rpm 0410 hp
32 AT20065.04 MTA11-E07 FIRE TRUCK 2727 0435 hp @ 0000 rpm 0430 hp
33 AT20066.04 MTA11-E07 FIRE TRUCK 2727 0450 hp @ 0000 rpm 0430 hp
34 AT20067.04 MTA11-E07 LINEHAUL 2727 0450 hp @ 0000 rpm 0430 hp
35 AT20069.03 MTA11-E07 LINEHAUL 2800 0380 hp @ 0000 rpm 0370 hp
36 AT20070.03 MTA11-E07 VOCATIONAL 2800 0350 hp @ 0000 rpm 0330 hp
37 AT20071.03 MTA11-E07 LINEHAUL 2800 0370 hp @ 0000 rpm 0370 hp
38 AT20072.03 MTA11-E07 LINEHAUL 2800 0330 hp @ 0000 rpm 0330 hp
39 AT20073.02 MTA11-E07 VOCATIONAL 2800 0425 hp @ 0000 rpm 0410 hp
ECM Calibration Download Wizard
Calibration Transfer
Please continue when the transfer is complete
A Calibration Download is in progress. Please do not change the key switch state during download process unless instructed.
Progress
Preparing ECM to receive calibration...
15 seconds remaining
68 %
Progress Bar
< Back
Next >
Cancel
Help
No ECM Connected.
INLINE5 USB - J1939 - RP1210A

Calibration Selection

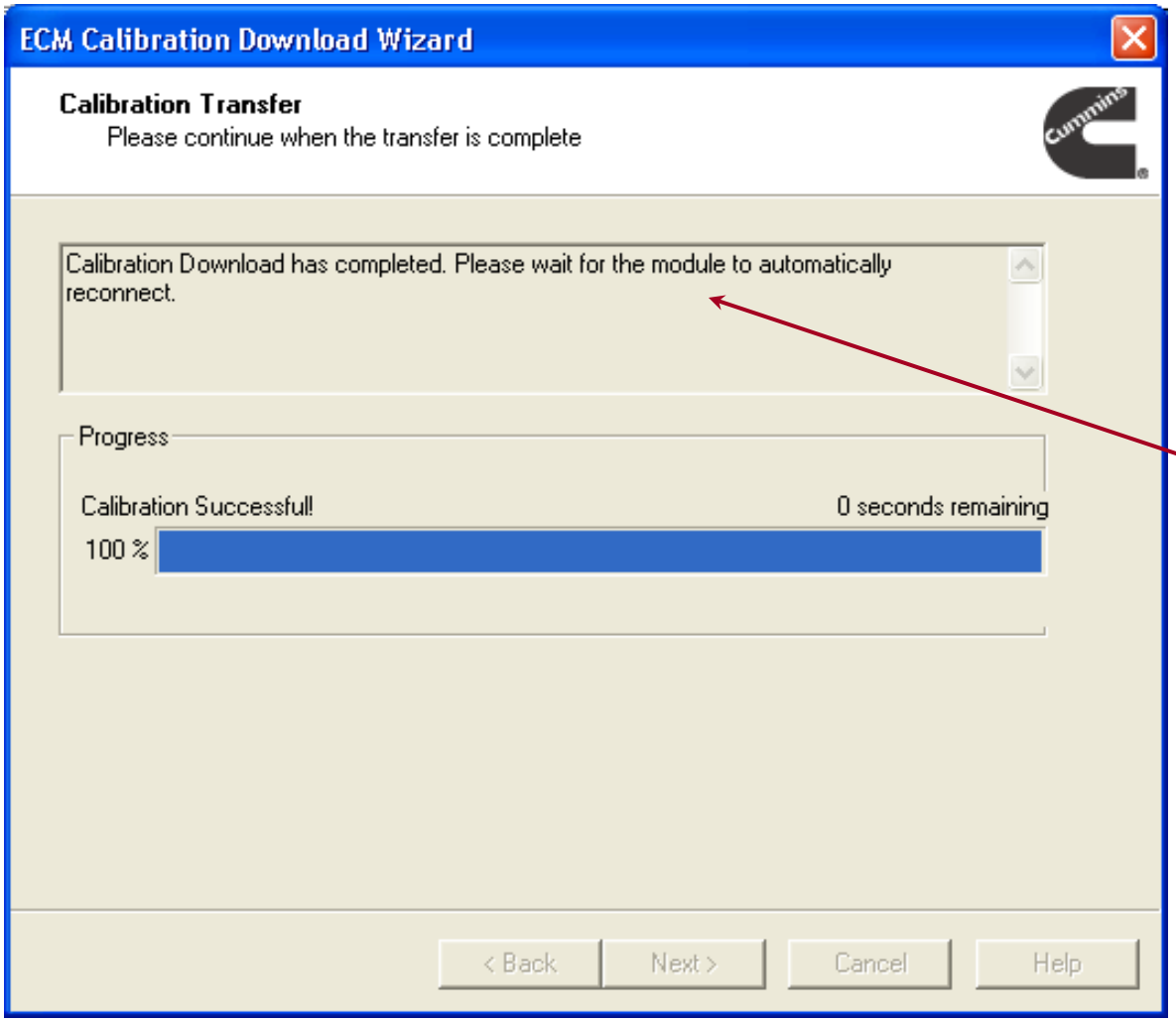
- Follow all prompts through the calibration transfer process until the calibration transfer has been completed.

Turn key off for 30 seconds then key on and click OK

Click OK

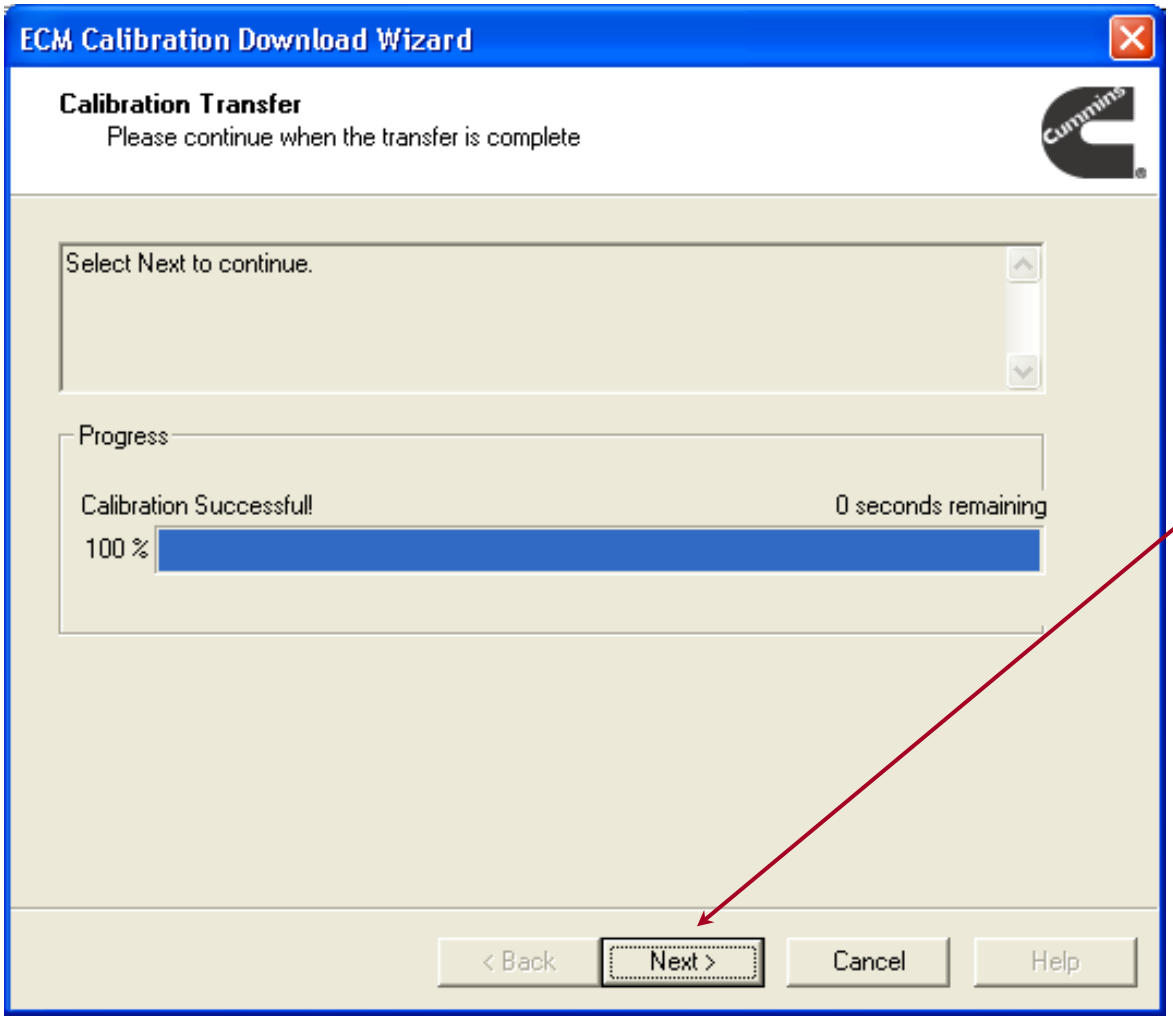


Calibration Selection



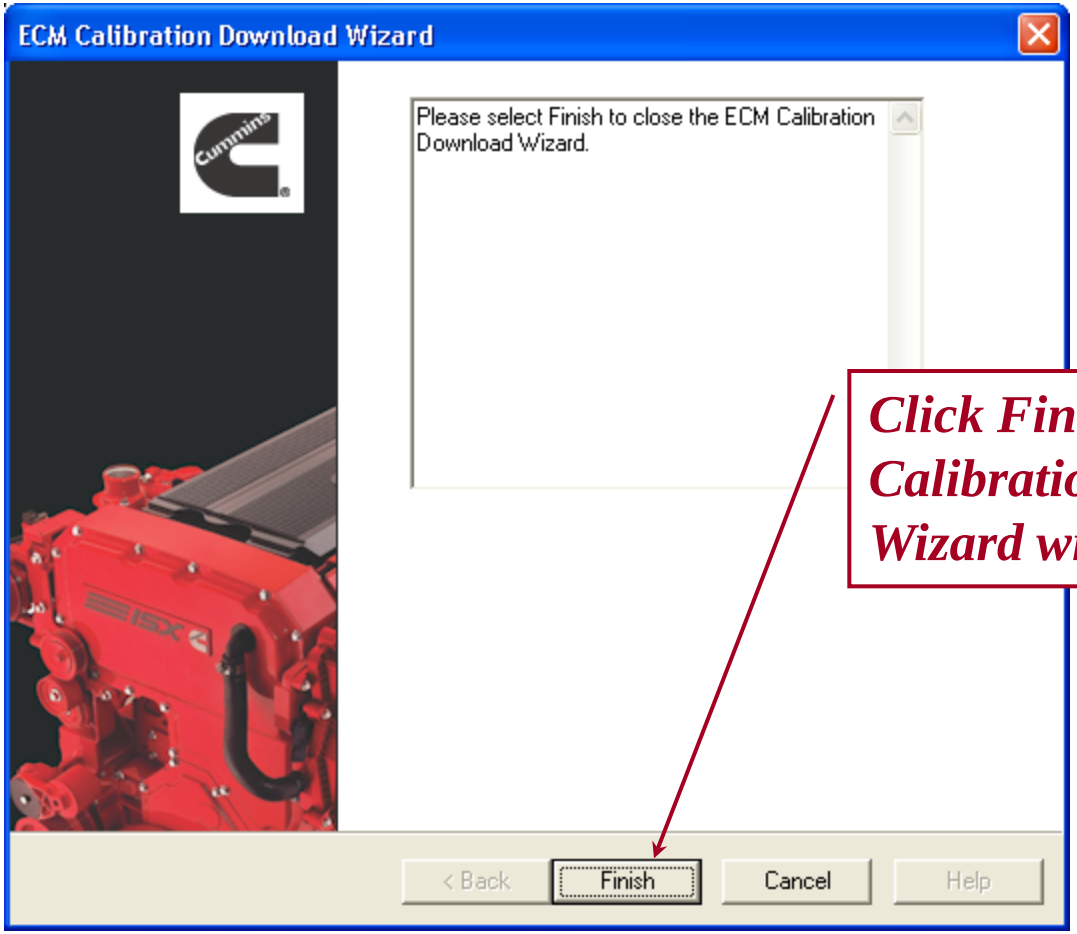
Follow instructions

Calibration Selection



Click Next

Calibration Selection

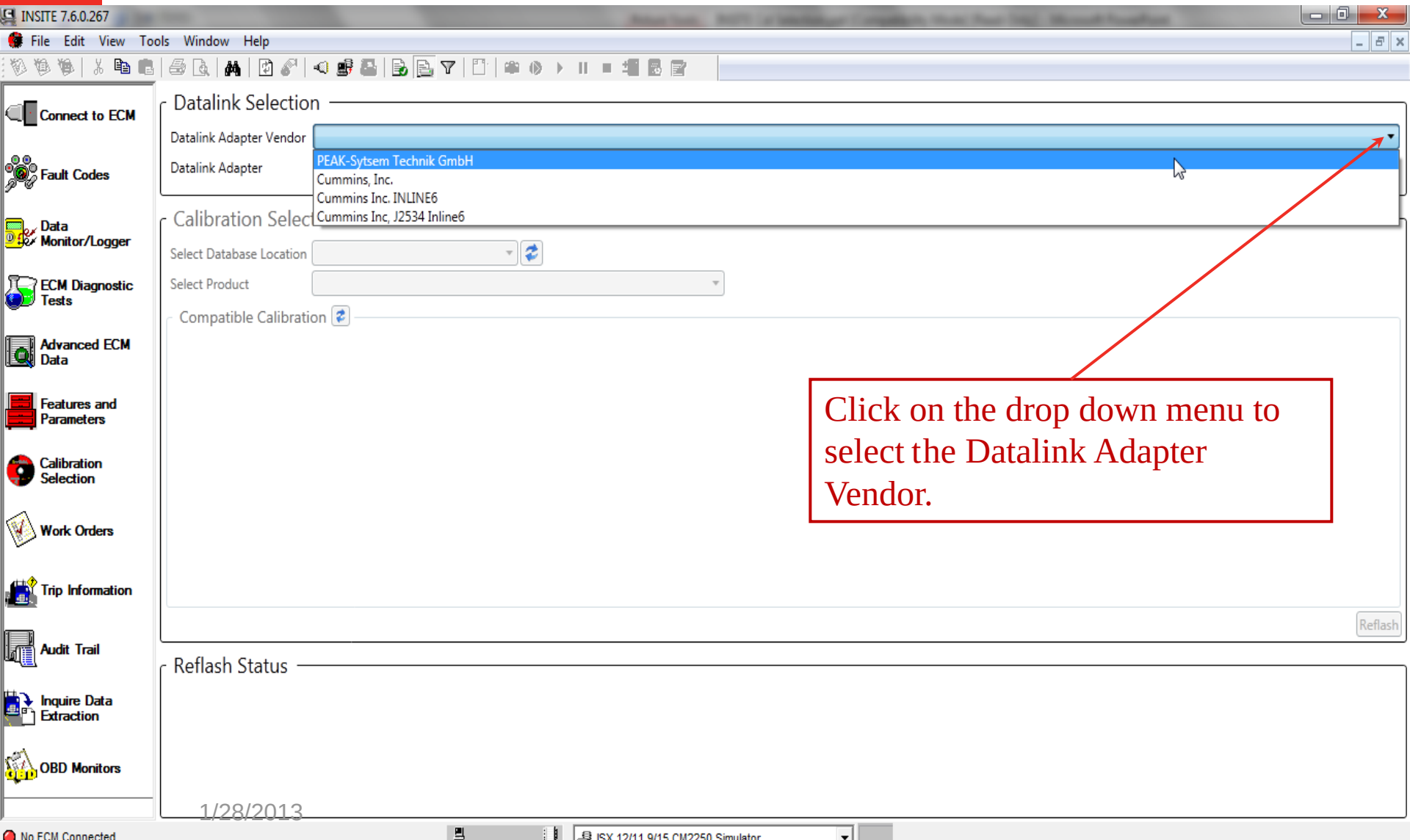


Click Finish to close the Calibration Download Wizard window

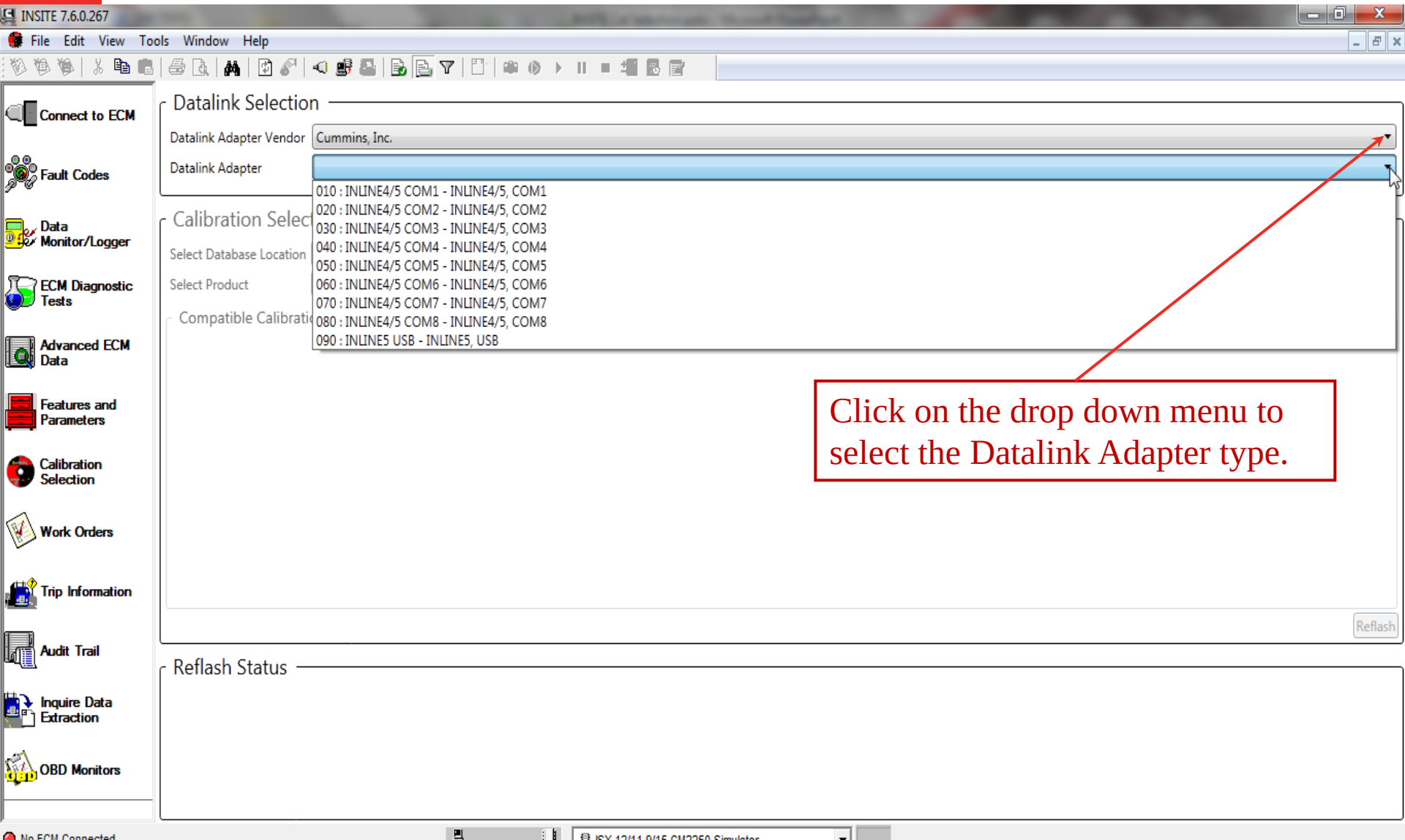
Programmable Datalink Device (PDD) Calibration Download Capability

- INSITE provides the capability to download a calibration to a PDD using any RP1210A adapter
- This capability is found in the Calibration Selection
- The latest INLINE 4/5 and INLINE 6 Drivers Firmware are needed to support the calibration download

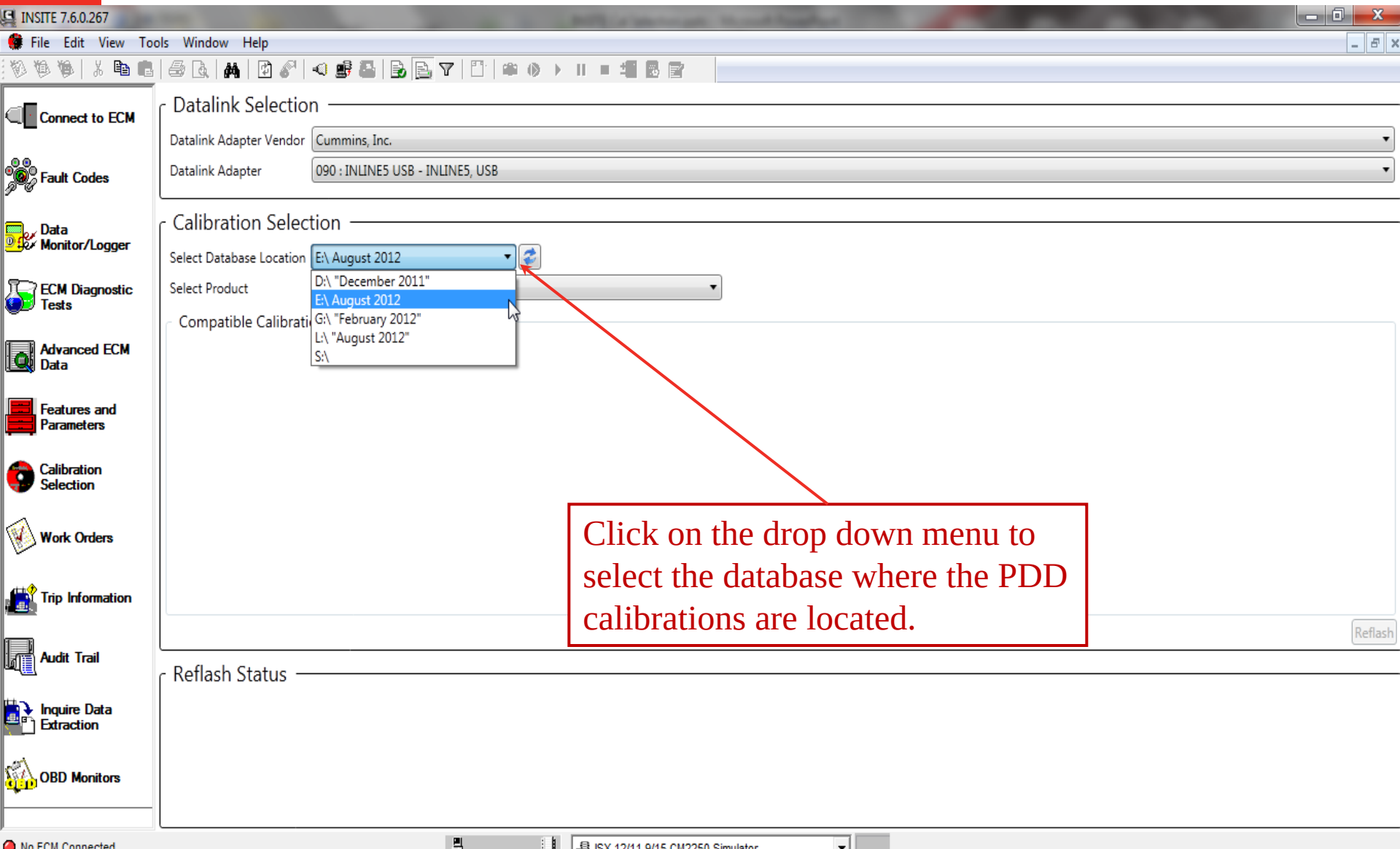
Programmable Datalink Device (PDD) Calibration Download



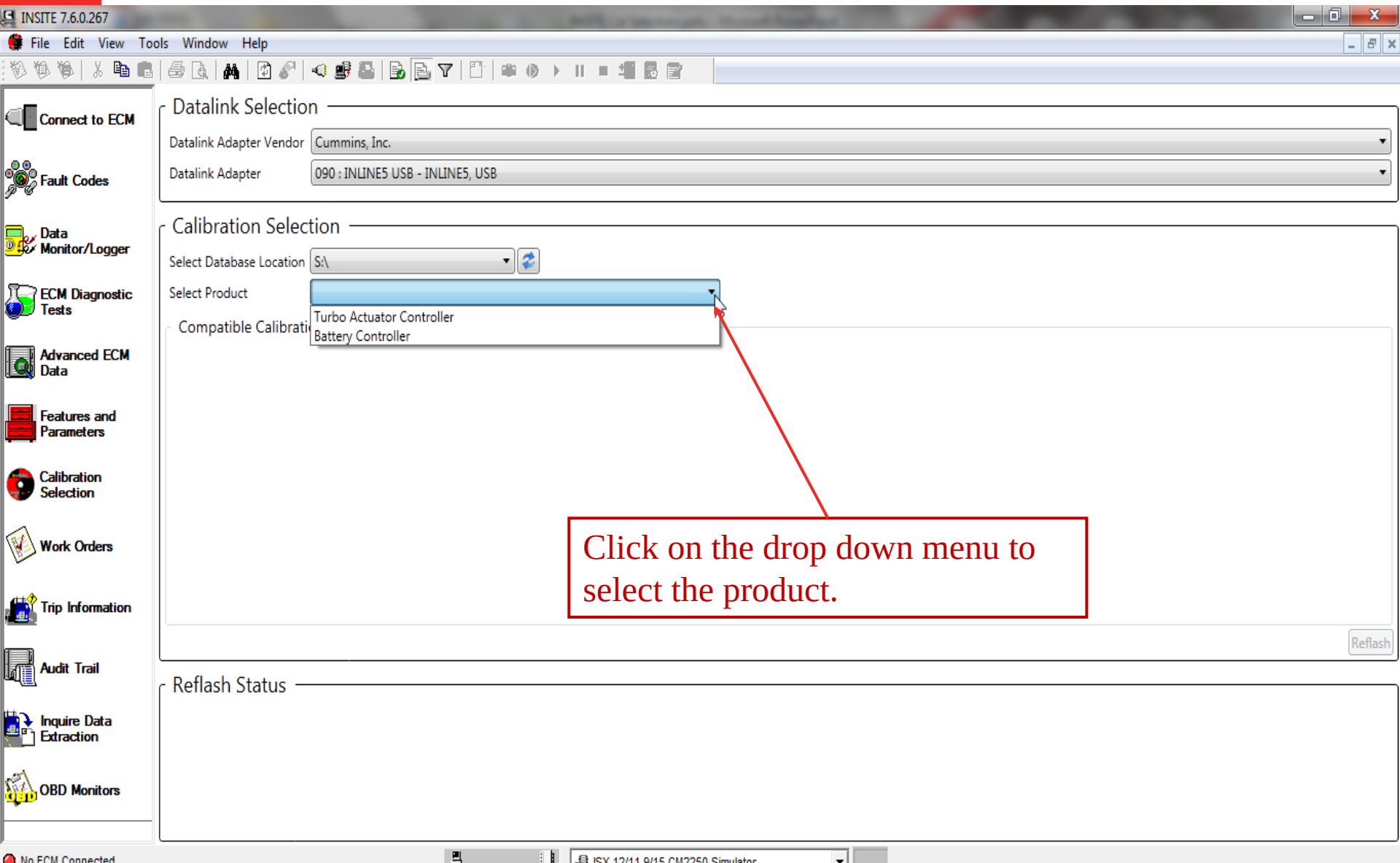
Programmable Datalink Device (PDD) Calibration Download



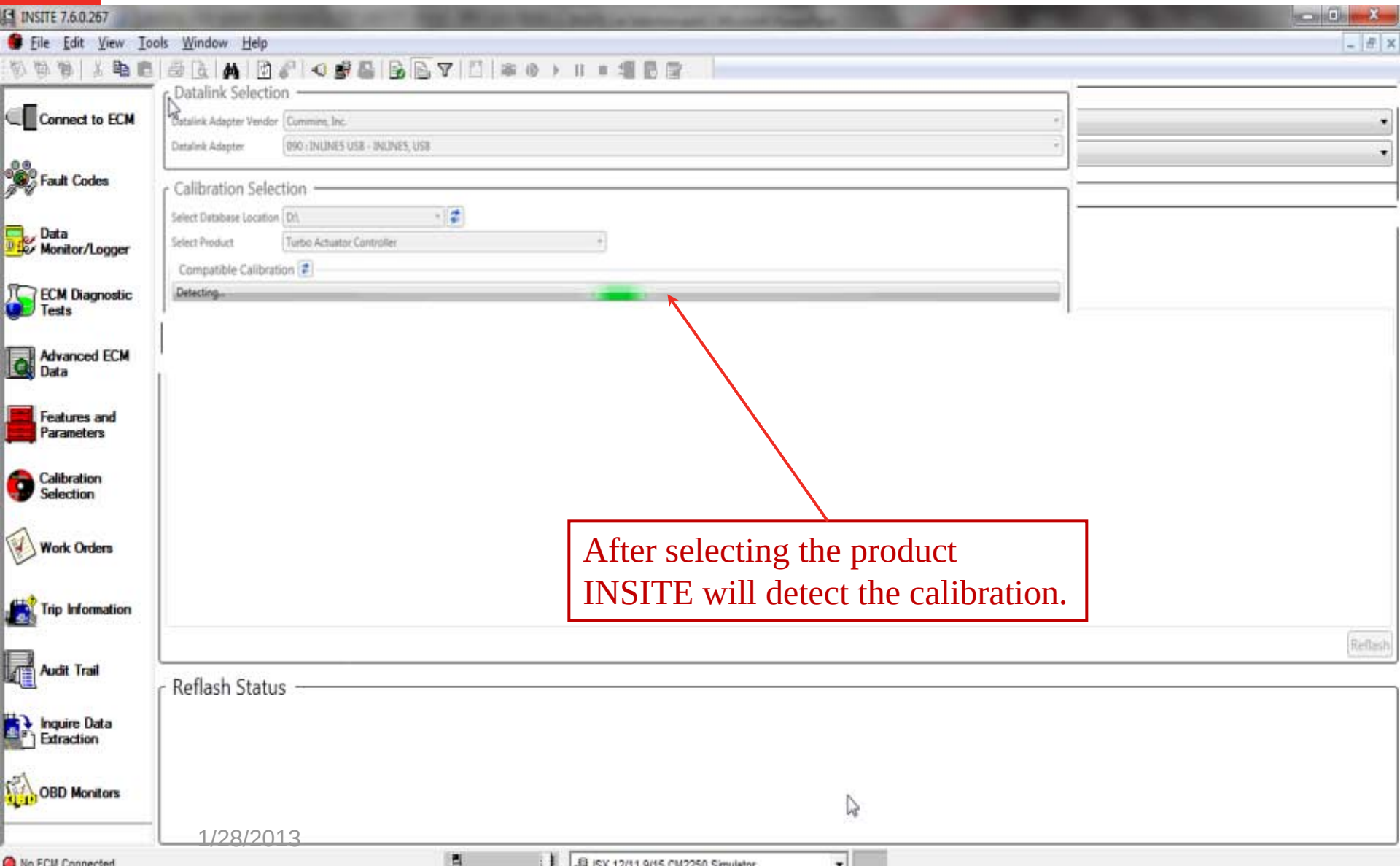
Programmable Datalink Device (PDD) Calibration Download



Programmable Datalink Device (PDD) Calibration Download

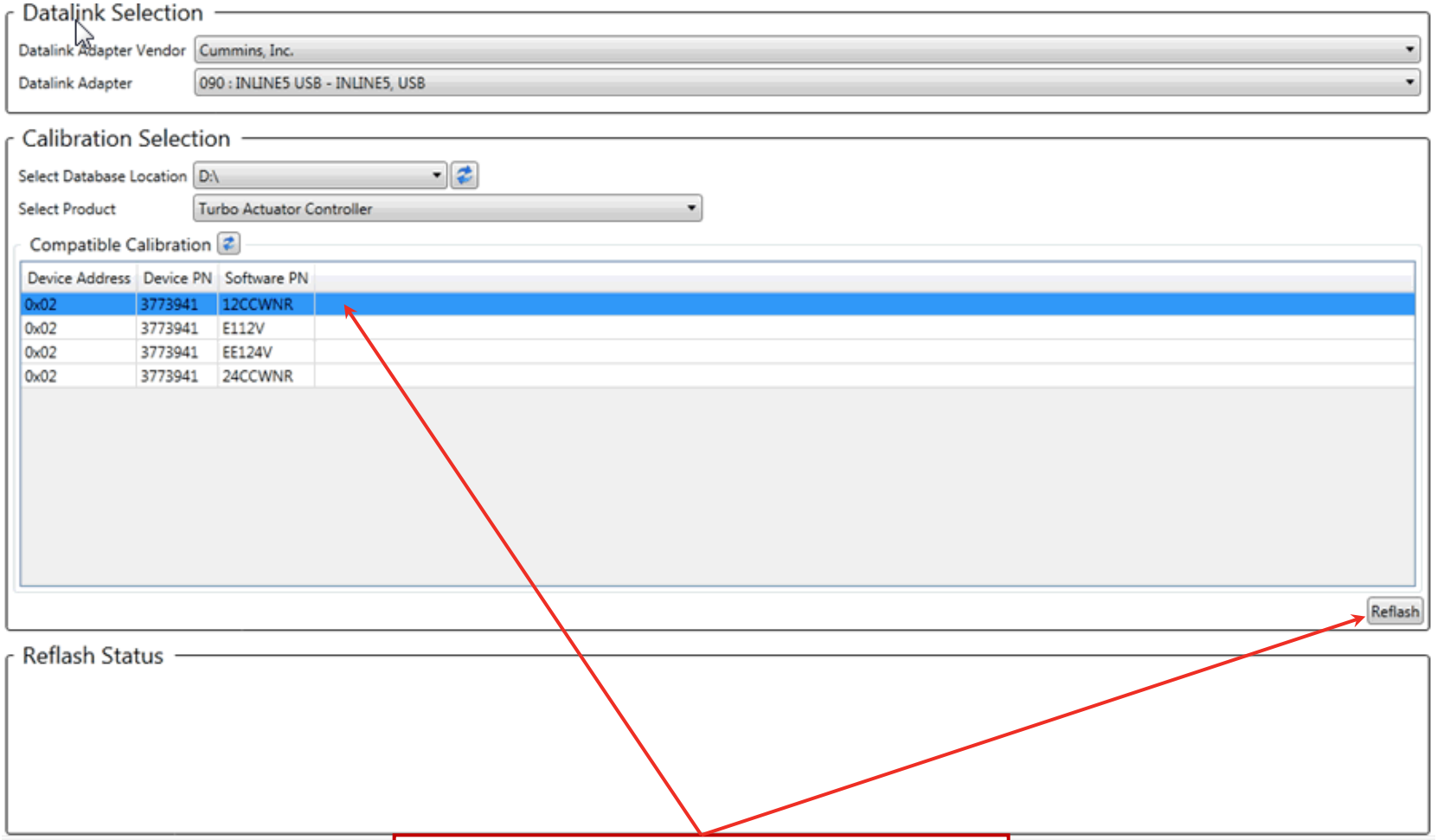


Programmable Datalink Device (PDD) Calibration Download



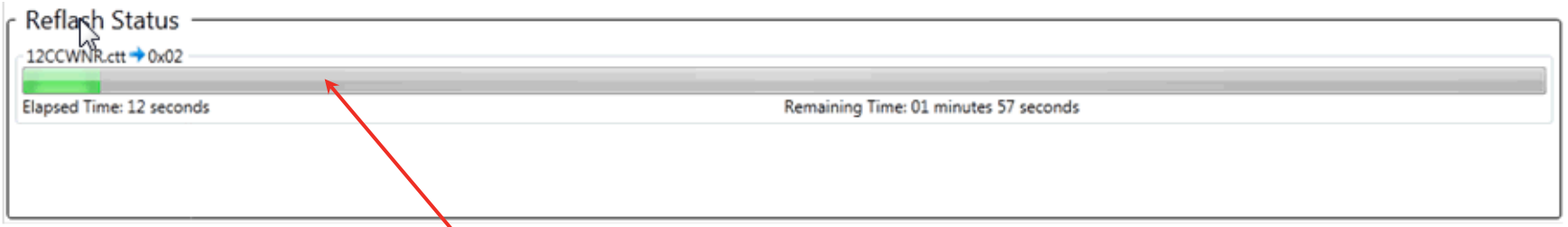
After selecting the product INSITE will detect the calibration.

Programmable Datalink Device (PDD) Calibration Download



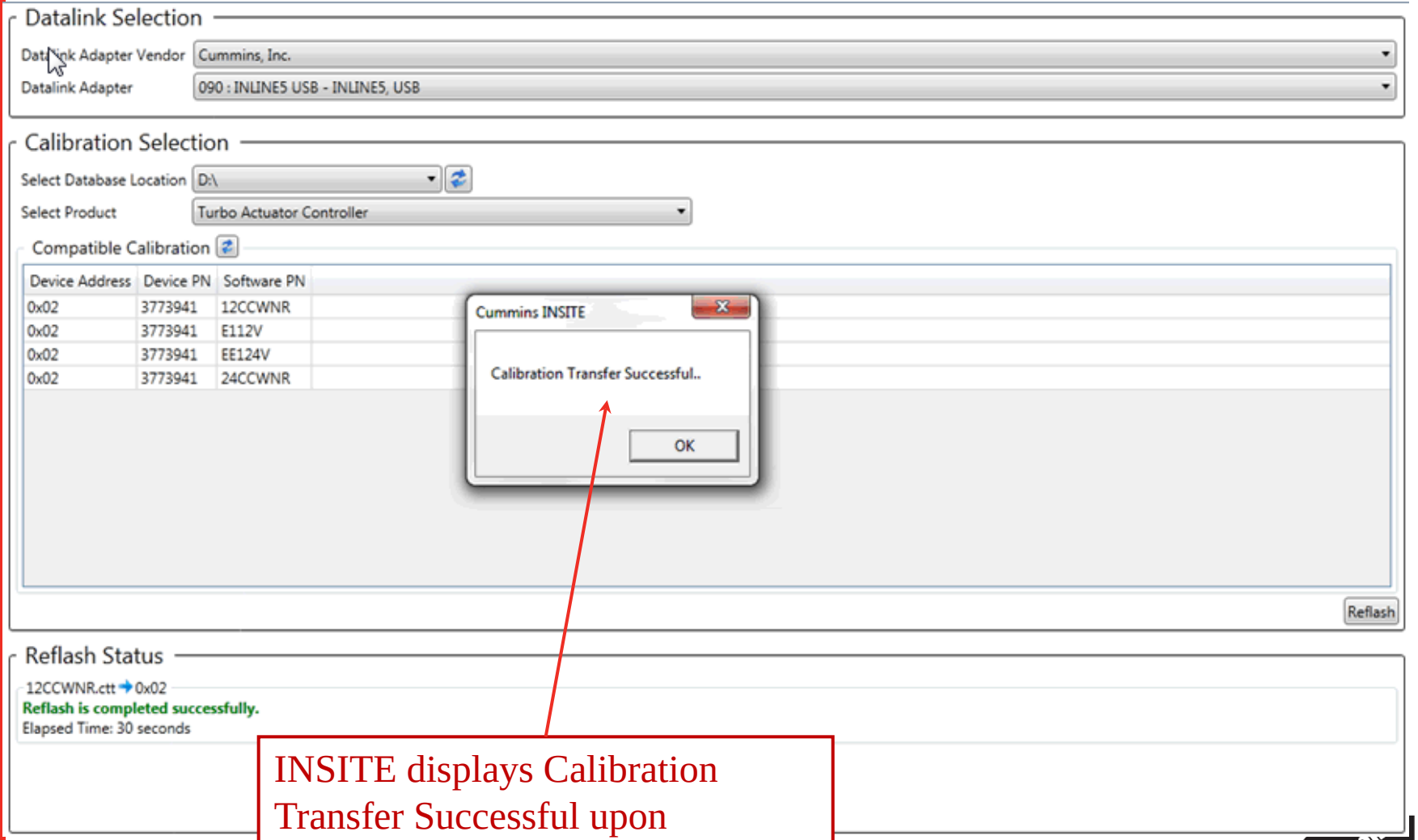
Select a calibration then click Reflash.

Programmable Datalink Device (PDD) Calibration Download



INSITE displays the Reflash Status during the calibration process.

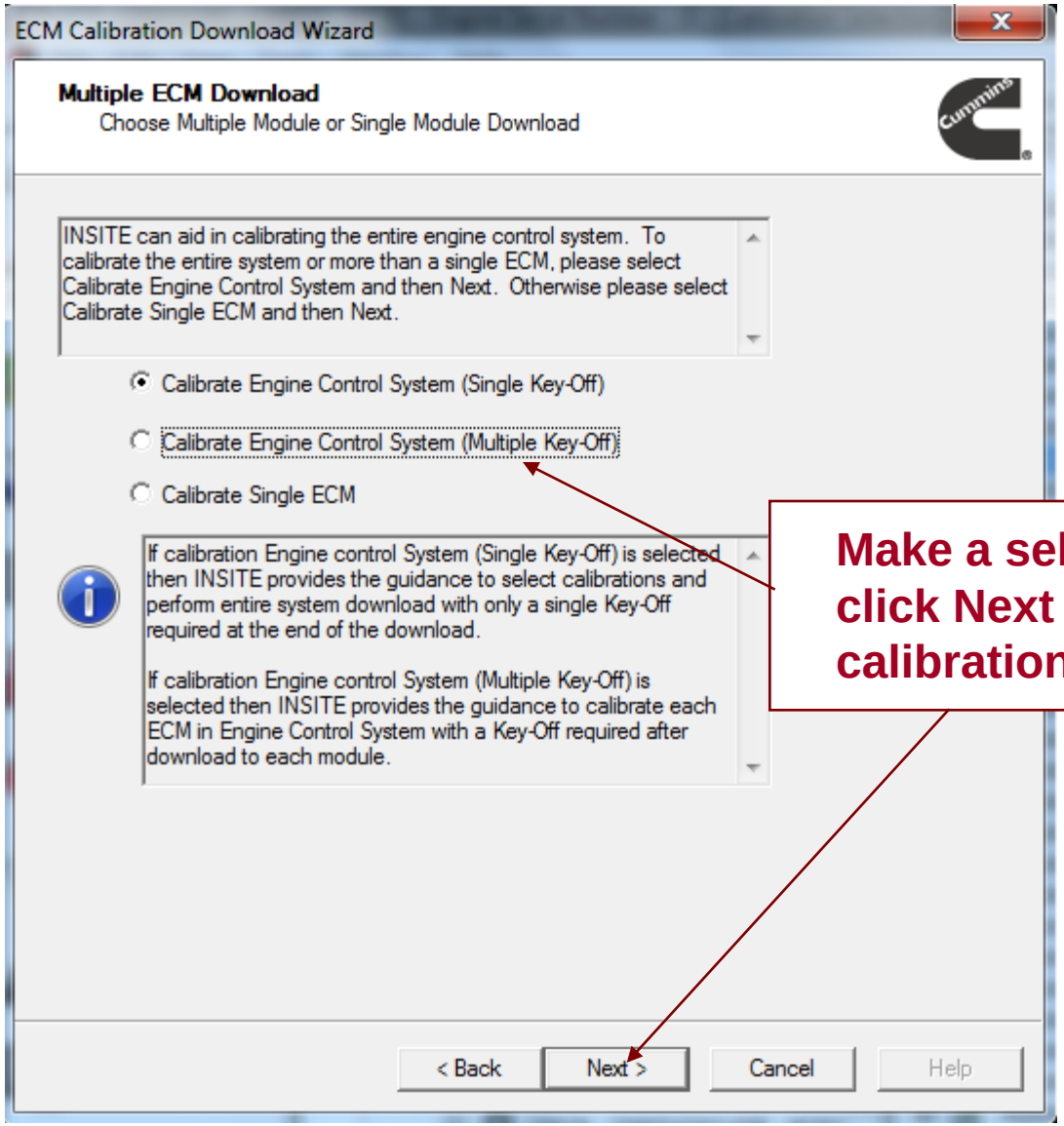
Programmable Datalink Device (PDD) Calibration Download



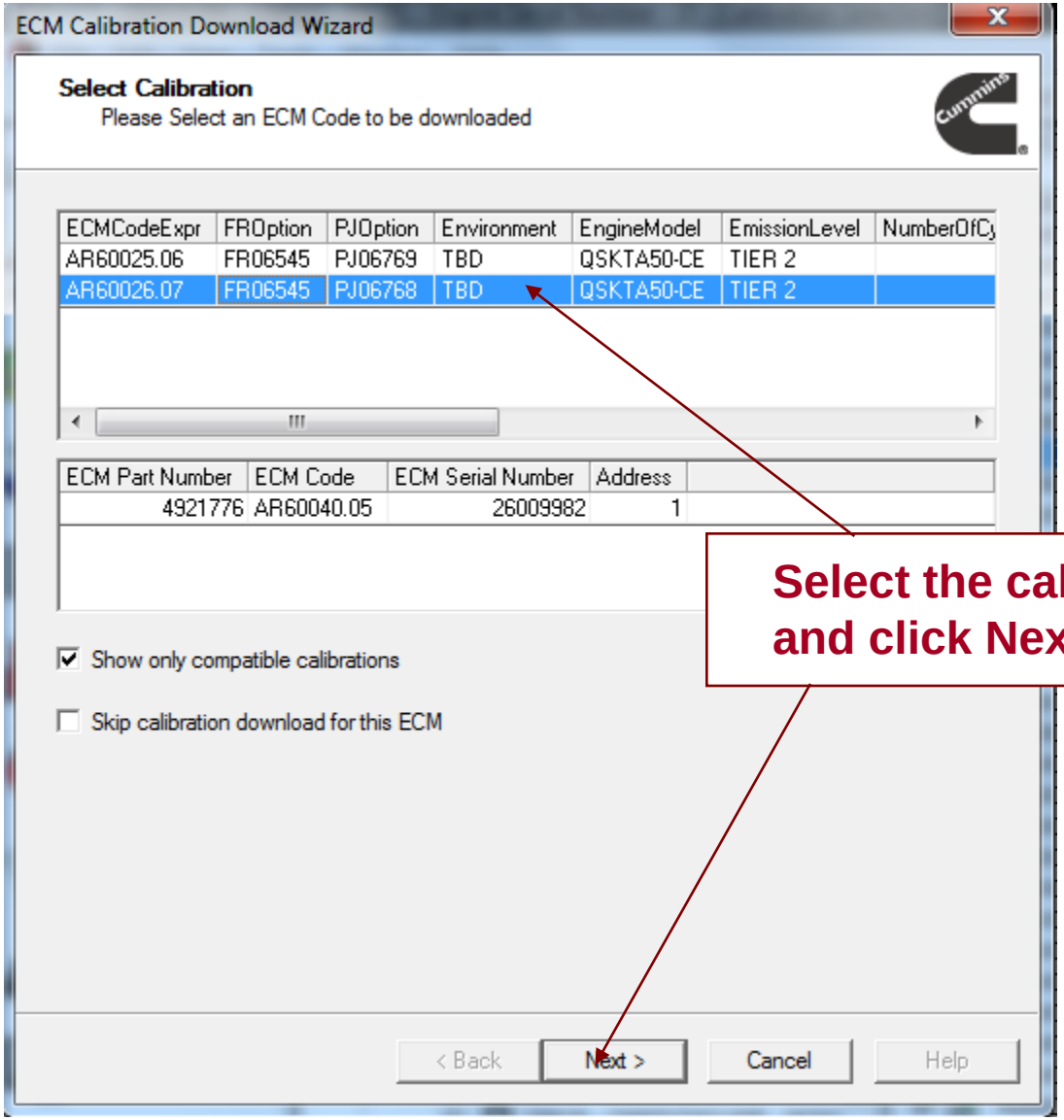
INSITE displays Calibration Transfer Successful upon completing the reflash.

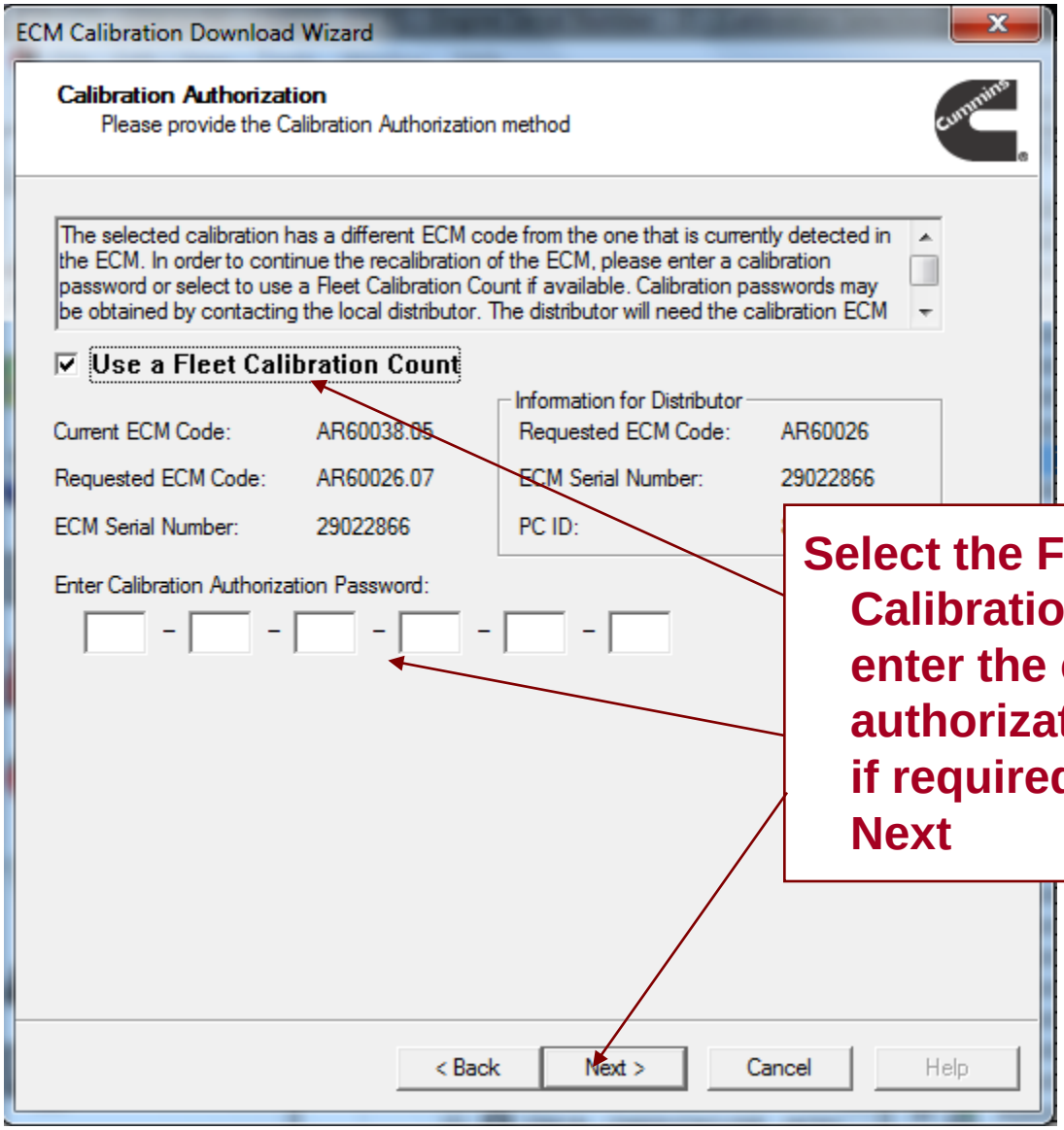
Single key off for multi-module downloads

- INSITE™ only requires a single key off at the end of a multi-module calibration download
- All ECM Codes to be downloaded can be selected before the calibration download begins

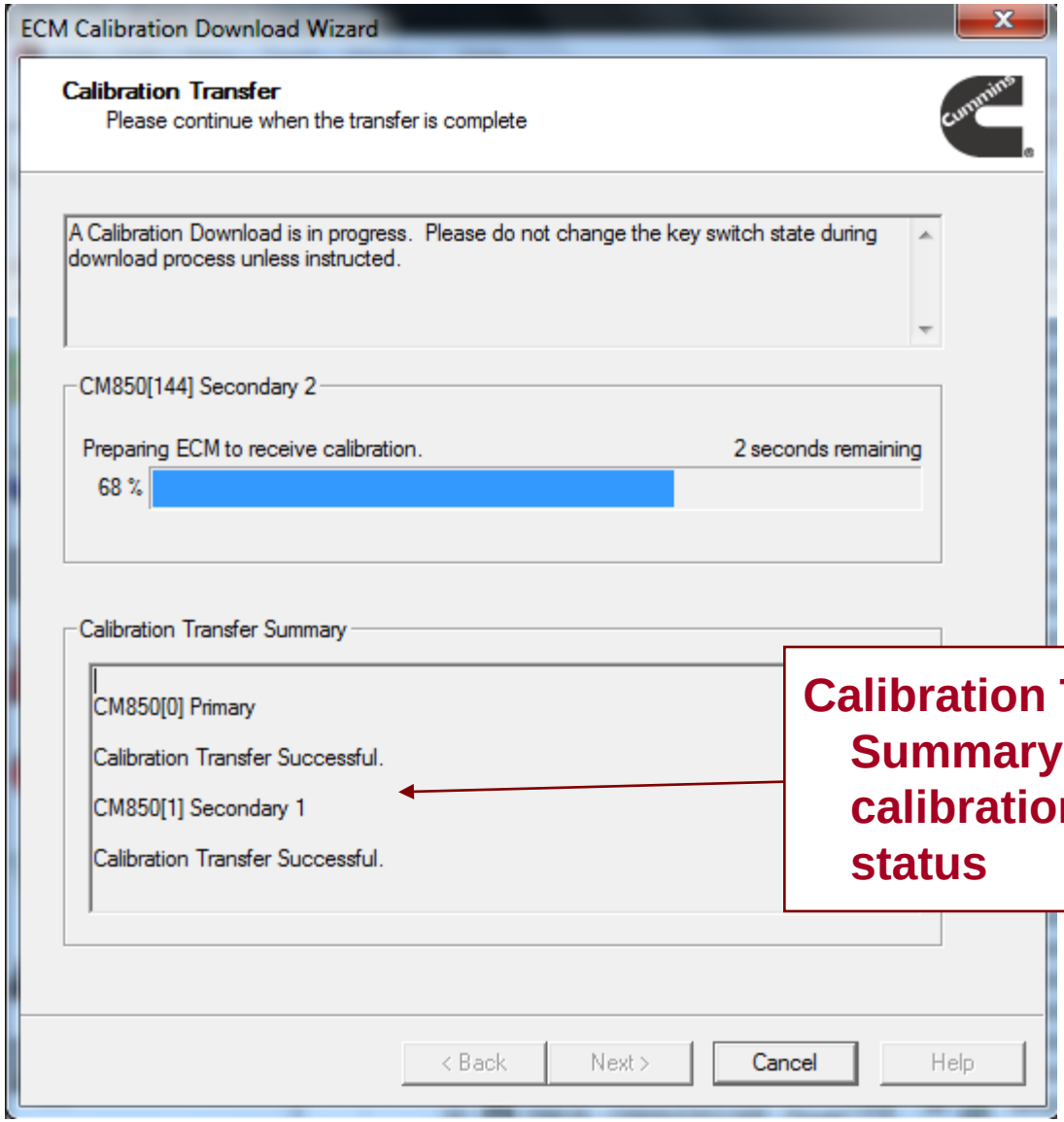


Make a selection and click Next to begin the calibration download

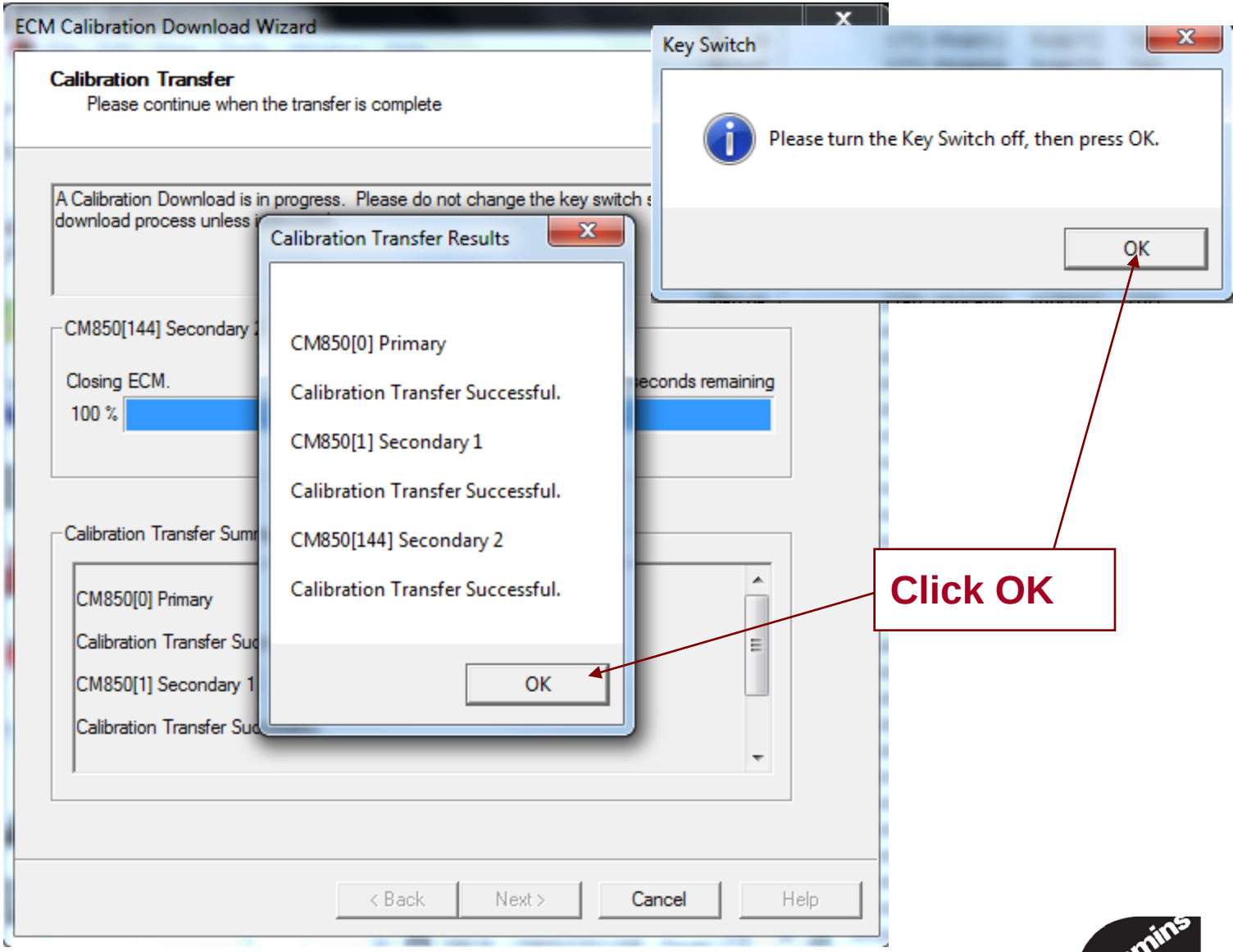

ECM Calibration Download Wizard
Select Calibration
Please Select an ECM Code to be downloaded
ECMCodeExpr
FROption
PJOption
Environment
EngineModel
EmissionLevel
NumberOfCy
AR60025.06
FR06545
PJ06769
TBD
QSKTA50-CE
TIER 2
AR60026.07
FR06545
PJ06768
TBD
QSKTA50-CE
TIER 2
ECM Part Number
ECM Code
ECM Serial Number
Address
4921776
AR60040.05
26009982
1
Show only compatible calibrations
Skip calibration download for this ECM
< Back
Next >
Cancel
Help
Select the calibration and click Next



Select the Fleet Calibration Count or enter the calibration authorization password if required and click Next



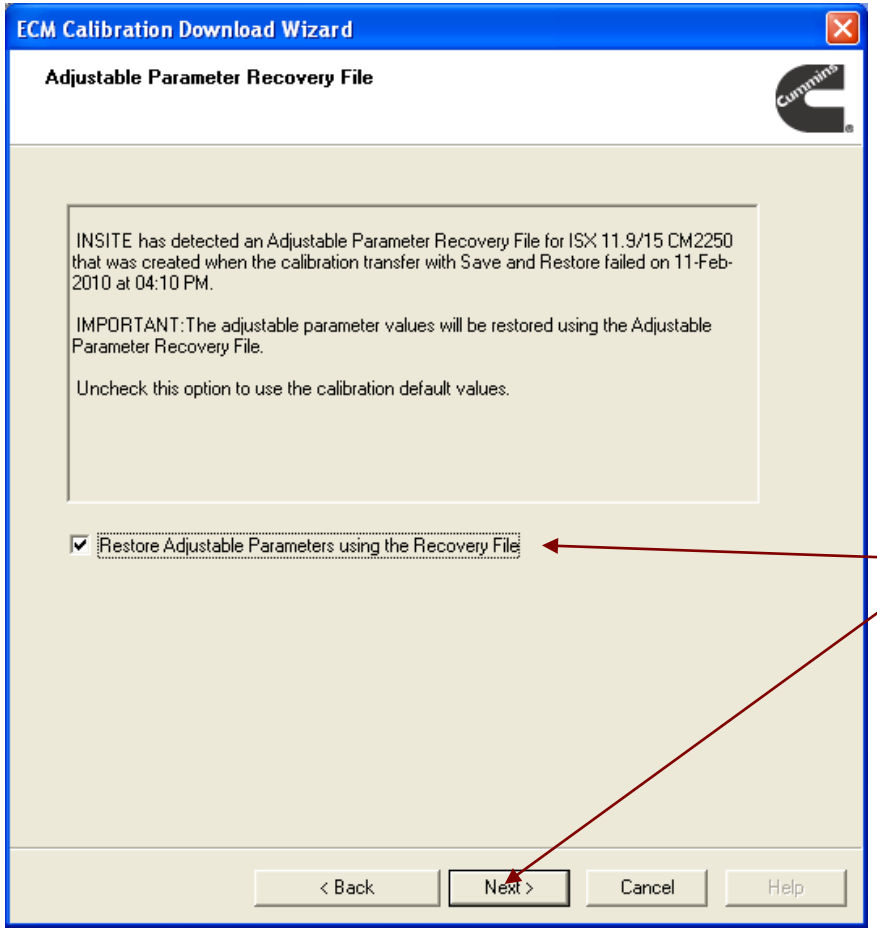
Calibration Transfer Summary shows the calibration download status


ECM Calibration Download Wizard
Calibration Transfer
Please continue when the transfer is complete
A Calibration Download is in progress. Please do not change the key switch s
download process unless
CM850[144] Secondary
Closing ECM.
100 %
econds remaining
Calibration Transfer Sum
CM850[0] Primary
Calibration Transfer Suc
CM850[1] Secondary 1
Calibration Transfer Suc
< Back
Next >
Cancel
Help
Calibration Transfer Results
CM850[0] Primary
Calibration Transfer Successful.
CM850[1] Secondary 1
Calibration Transfer Successful.
CM850[144] Secondary 2
Calibration Transfer Successful.
OK
Key Switch
Please turn the Key Switch off, then press OK.
OK
Click OK

Adjustable Parameters Recovery File

- If a calibration download fails when Save/Restore Adjustable Parameters is selected, INSITE™ will save these parameters to an Adjustable Parameter Recovery File
- The file can be used by INSITE™ to restore the Dataplate and adjustable parameters on this ECM if it is in a ROM Booted or Foot Printed state on the next successful download

Adjustable Parameters Recovery File



Check the box to restore adjustable parameters and click Next to continue the calibration download

Calibration Selection

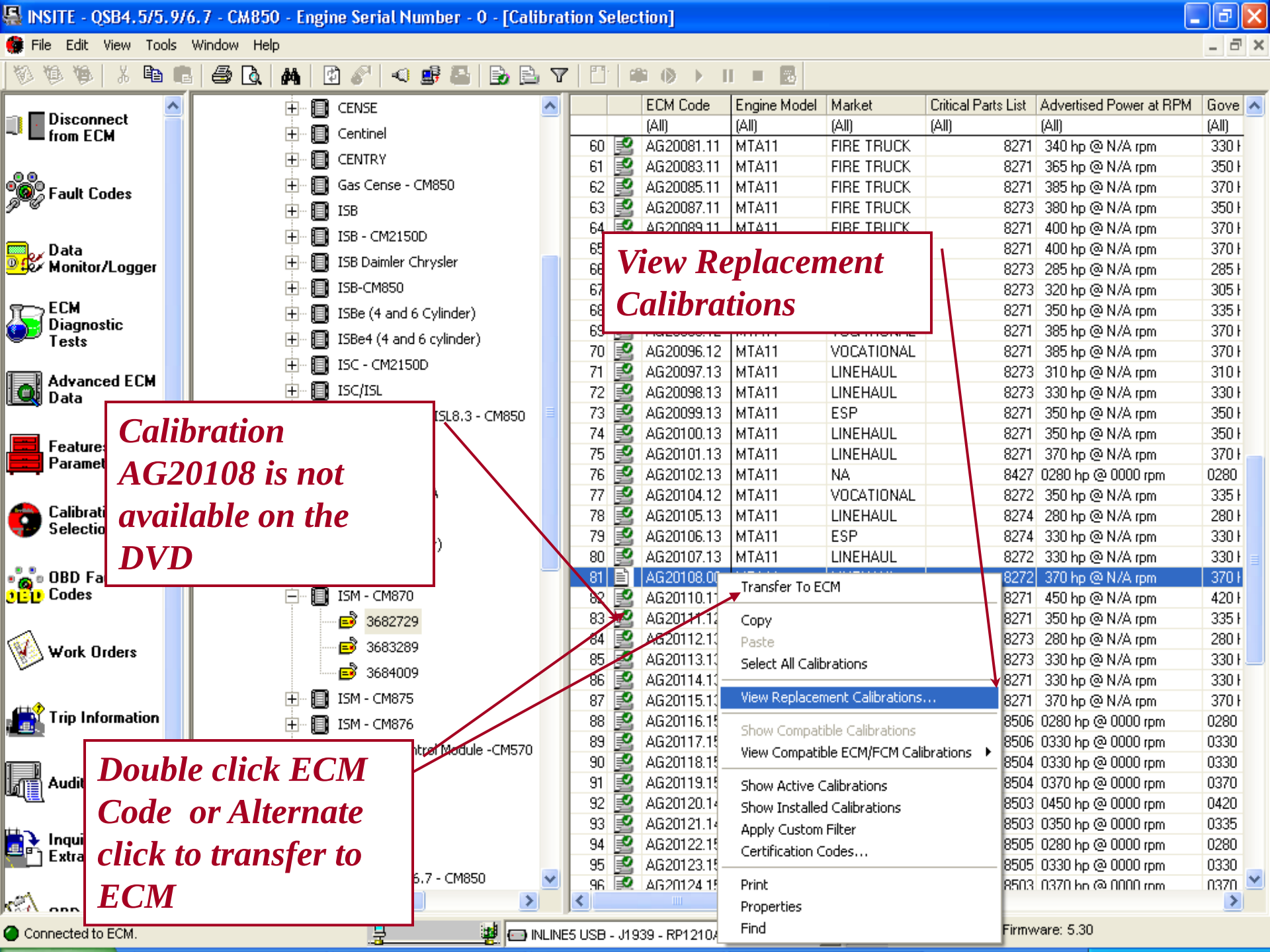
Calibration Supersession

- Supersession refers to the process of providing replacement calibrations for obsolete calibrations
- Superseded Calibrations are not active and not installed on the INCAL DVD
- Calibration Reduction has generated a large number of Superseded Calibrations

Calibration Selection

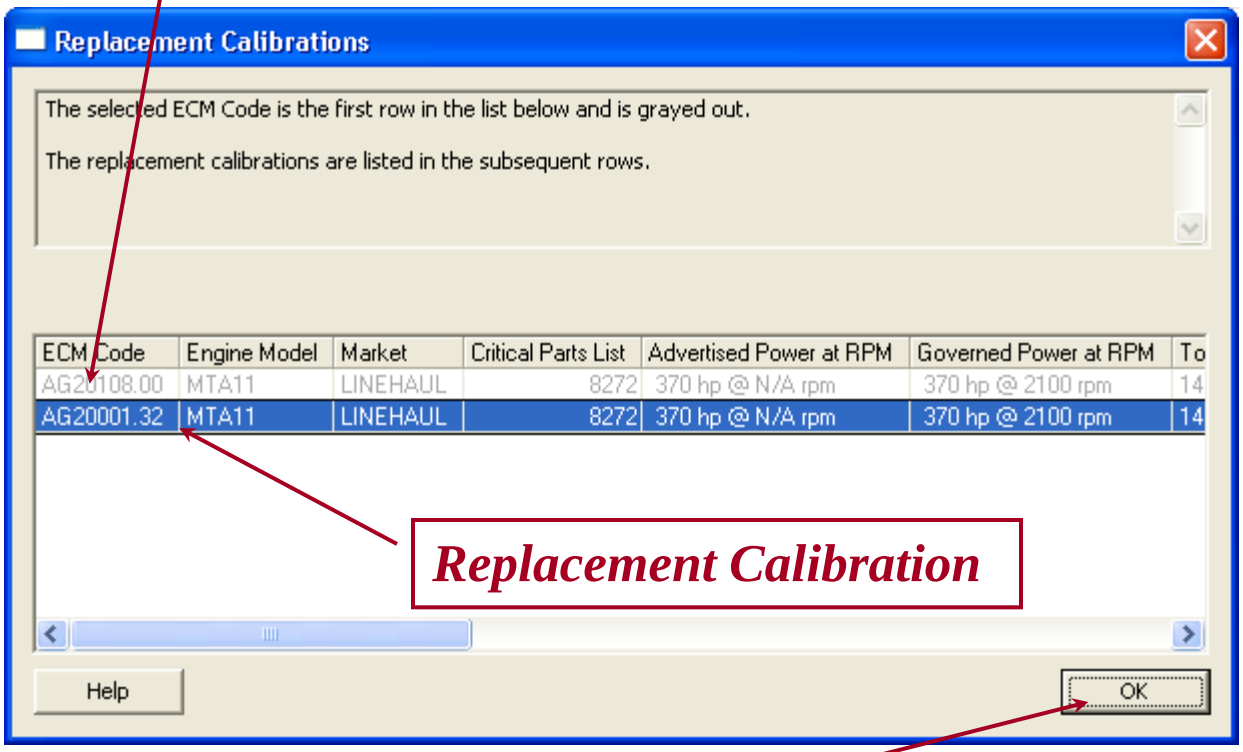
Calibration Supersession

- If INSITE has “Show Installed Calibrations” or “Show Active Calibrations” selected
  - Calibration Selection will not display the Superseded calibration
  - Auto detect will not find the Superseded calibration
- Uncheck “Installed Calibrations” and uncheck “Active Calibrations” on Tools menu
  - Tools > Calibration Selection or Alternate Click
- When downloading the replacement calibration, first select the Superseded calibration. A pop-up window will appear displaying the replacement calibration.
- View Replacement Calibrations
  - Tools > Calibration Selection > View Replacement Calibrations


INSITE - QSB4.5/5.9/6.7 - CM850 - Engine Serial Number - 0 - [Calibration Selection]
File Edit View Tools Window Help
Disconnect from ECM
Fault Codes
Data Monitor/Logger
ECM Diagnostic Tests
Advanced ECM Data
Work Orders
Trip Information
CENSE
Centinel
CENTRY
Gas Cense - CM850
ISB
ISB - CM2150D
ISB Daimler Chrysler
ISB-CM850
ISBe (4 and 6 Cylinder)
ISBe4 (4 and 6 cylinder)
ISC - CM2150D
ISC/ISL
ISM - CM870
3682729
3683289
3684009
ISM - CM875
ISM - CM876
ECM Code
Engine Model
Market
Critical Parts List
Advertised Power at RPM
(All)
AG20081.11 MTA11 FIRE TRUCK 8271 340 hp @ N/A rpm
AG20083.11 MTA11 FIRE TRUCK 8271 365 hp @ N/A rpm
AG20085.11 MTA11 FIRE TRUCK 8271 385 hp @ N/A rpm
AG20087.11 MTA11 FIRE TRUCK 8273 380 hp @ N/A rpm
AG20096.12 MTA11 VOCATIONAL 8271 385 hp @ N/A rpm
AG20097.13 MTA11 LINEHAUL 8273 310 hp @ N/A rpm
AG20098.13 MTA11 LINEHAUL 8273 330 hp @ N/A rpm
AG20099.13 MTA11 ESP 8271 350 hp @ N/A rpm
AG20100.13 MTA11 LINEHAUL 8271 350 hp @ N/A rpm
AG20101.13 MTA11 LINEHAUL 8271 370 hp @ N/A rpm
AG20102.13 MTA11 NA 8427 0280 hp @ 0000 rpm
AG20104.12 MTA11 VOCATIONAL 8272 350 hp @ N/A rpm
AG20105.13 MTA11 LINEHAUL 8274 280 hp @ N/A rpm
AG20106.13 MTA11 ESP 8274 330 hp @ N/A rpm
AG20107.13 MTA11 LINEHAUL 8272 330 hp @ N/A rpm
AG20108.00 8272 370 hp @ N/A rpm
AG20110.11 8271 450 hp @ N/A rpm
AG20111.12 8271 350 hp @ N/A rpm
AG20112.13 8273 280 hp @ N/A rpm
AG20113.13 8273 330 hp @ N/A rpm
AG20114.13 8271 330 hp @ N/A rpm
AG20115.13 8271 370 hp @ N/A rpm
AG20116.15 8506 0280 hp @ 0000 rpm
AG20117.15 8506 0330 hp @ 0000 rpm
AG20118.15 8504 0330 hp @ 0000 rpm
AG20119.15 8504 0370 hp @ 0000 rpm
AG20120.14 8503 0450 hp @ 0000 rpm
AG20121.14 8503 0350 hp @ 0000 rpm
AG20122.15 8505 0280 hp @ 0000 rpm
AG20123.15 8505 0330 hp @ 0000 rpm
Transfer To ECM
Copy
Paste
Select All Calibrations
View Replacement Calibrations...
Show Compatible Calibrations
View Compatible ECM/FCM Calibrations
Show Active Calibrations
Show Installed Calibrations
Apply Custom Filter
Certification Codes...
Print
Properties
Find
View Replacement Calibrations
Calibration AG20108 is not available on the DVD
Double click ECM Code or Alternate click to transfer to ECM
Connected to ECM.
INLINE5 USB - J1939 - RP1210A
Firmware: 5.30

Calibration Selection

Selected Calibration that was not available

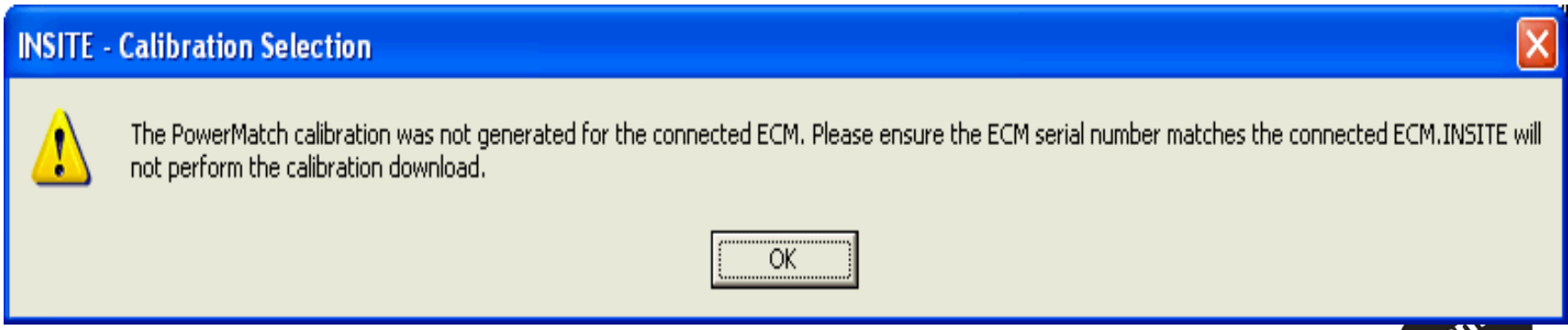


Replacement Calibration

Click OK To ECM to continue calibration transfer with replacement ECM Code

PowerMatch calibrations are now able to be sent using INSITE

- The PowerMatch calibration will be based on an ECM Serial number and will only download to the specific ECM for which it was created
- Calibration download attempts to different ECMs will produce a warning message and will end the calibration download process



Calibration Selection Wrap Up

- Calibration Download is used to update the ECM
- Calibration Selection
  - Contact local distributor for Calibration and/or Calibration Authorization password
  - To view Superseded Calibrations, uncheck “Installed Calibrations” and uncheck “Active Calibrations”
- Use Calibration filtering to reduce number of Calibrations listed
- Calibration Authorization Password is required for uprating or ROM Booted ECMs

You have concluded this section of the training.

Please click to the next slide and continue or Click Here to return to the Table of Content.

INSITE™ Connections

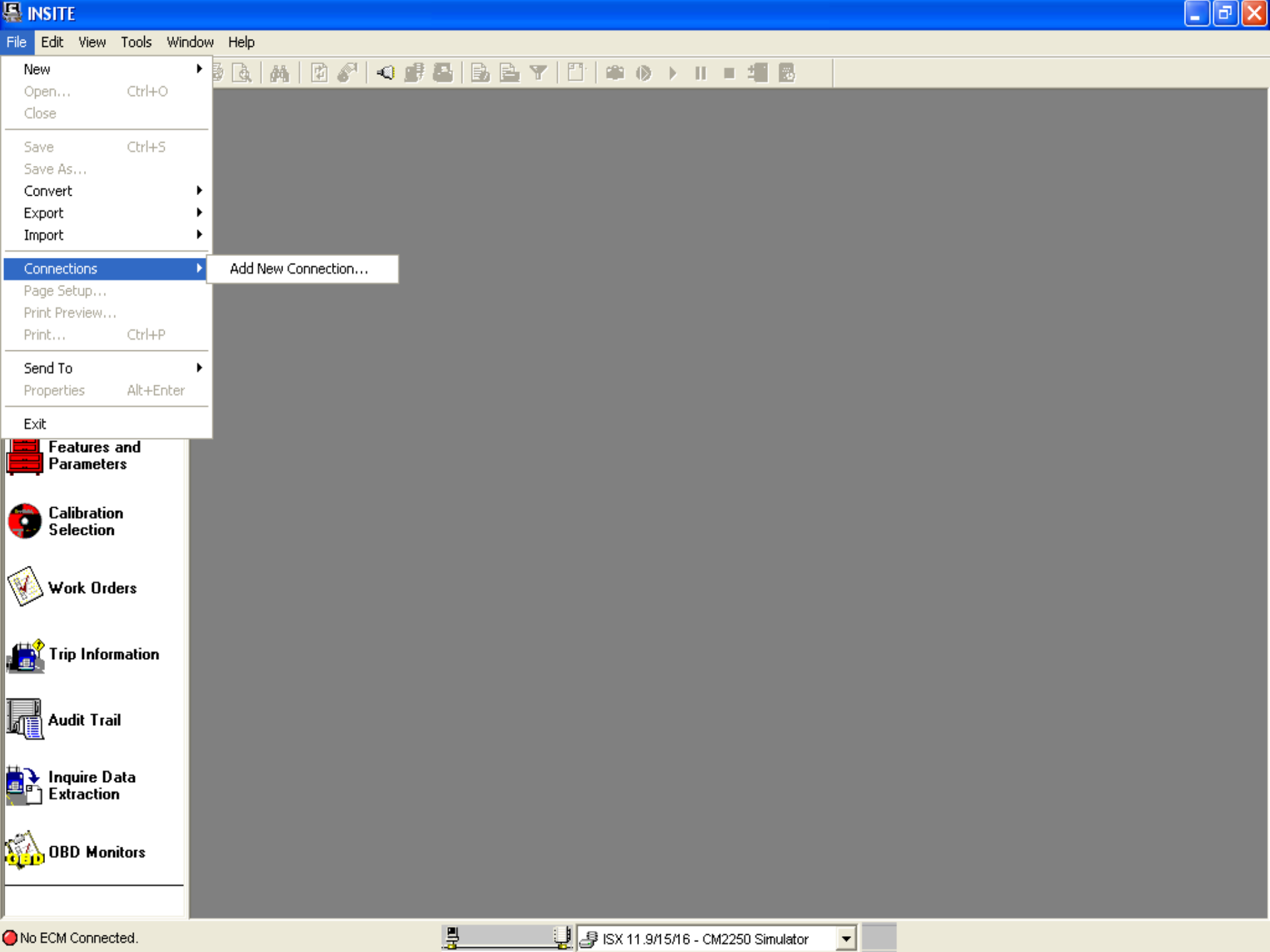
Electronic Service Tools

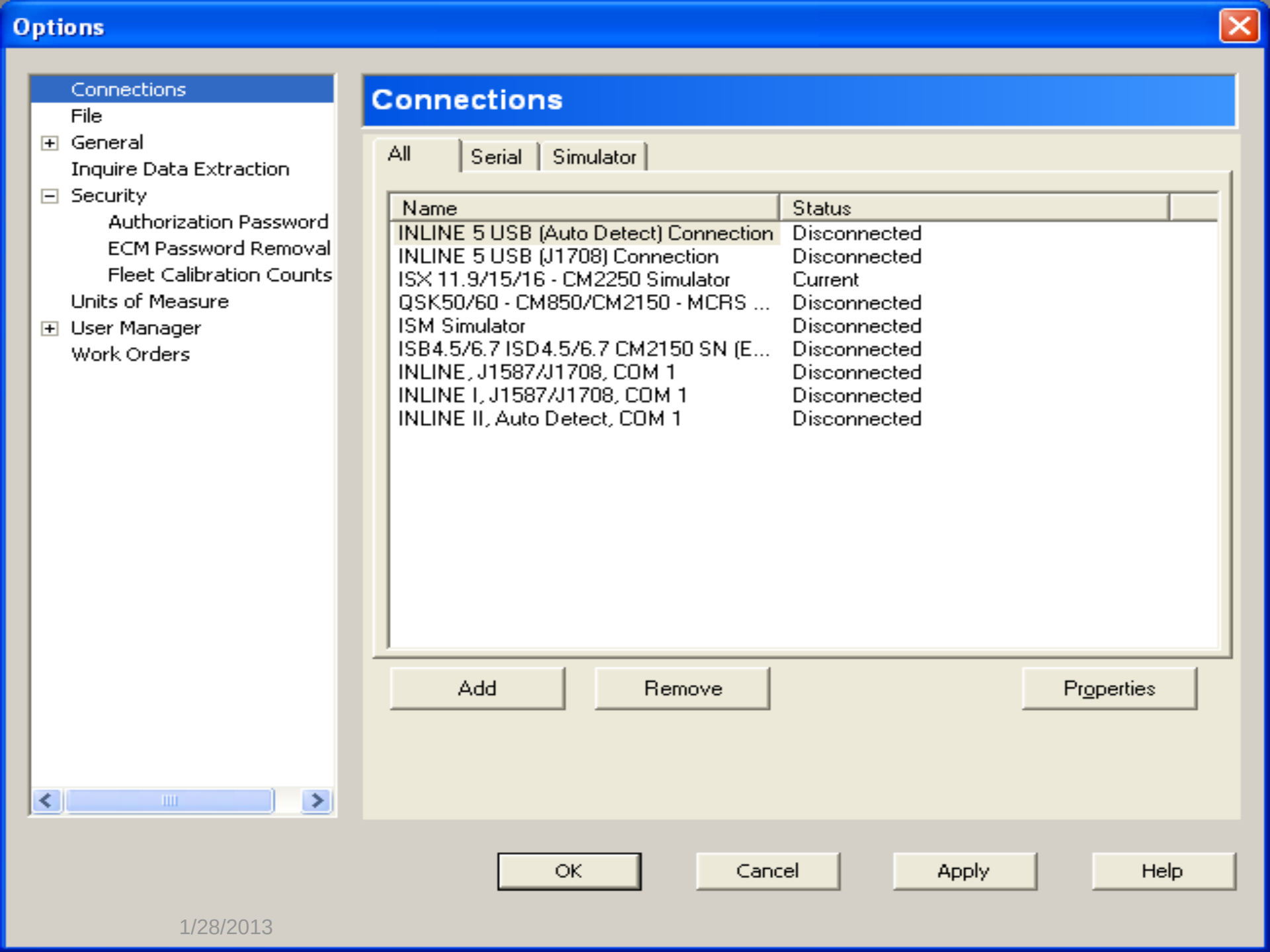
Innovation You Can Depend On™

Connections

Additional Connections/Simulators can be added.

- Add new…
- Tools → Options → Connections
- File → Connections → Add New Connection…


INSITE
File
Edit
View
Tools
Window
Help
New
Open... Ctrl+O
Close
Save Ctrl+S
Save As...
Convert
Export
Import
Connections
Add New Connection...
Page Setup...
Print Preview...
Print... Ctrl+P
Send To
Properties Alt+Enter
Exit
Features and Parameters
Calibration Selection
Work Orders
Trip Information
Audit Trail
Inquire Data Extraction
OBD Monitors
No ECM Connected.
ISX 11.9/15/16 - CM2250 Simulator


Options
Connections
File
General
Inquire Data Extraction
Security
Authorization Password
ECM Password Removal
Fleet Calibration Counts
Units of Measure
User Manager
Work Orders
Connections
All
Serial
Simulator
Name
Status
INLINE 5 USB (Auto Detect) Connection
Disconnected
INLINE 5 USB (J1708) Connection
Disconnected
ISX 11.9/15/16 - CM2250 Simulator
Current
QSK50/60 - CM850/CM2150 - MCRS ...
Disconnected
ISM Simulator
Disconnected
ISB4.5/6.7 ISD4.5/6.7 CM2150 SN (E...
Disconnected
INLINE, J1587/J1708, COM 1
Disconnected
INLINE I, J1587/J1708, COM 1
Disconnected
INLINE II, Auto Detect, COM 1
Disconnected
Add
Remove
Properties
OK
Cancel
Apply
Help
1/28/2013

Auto Configure

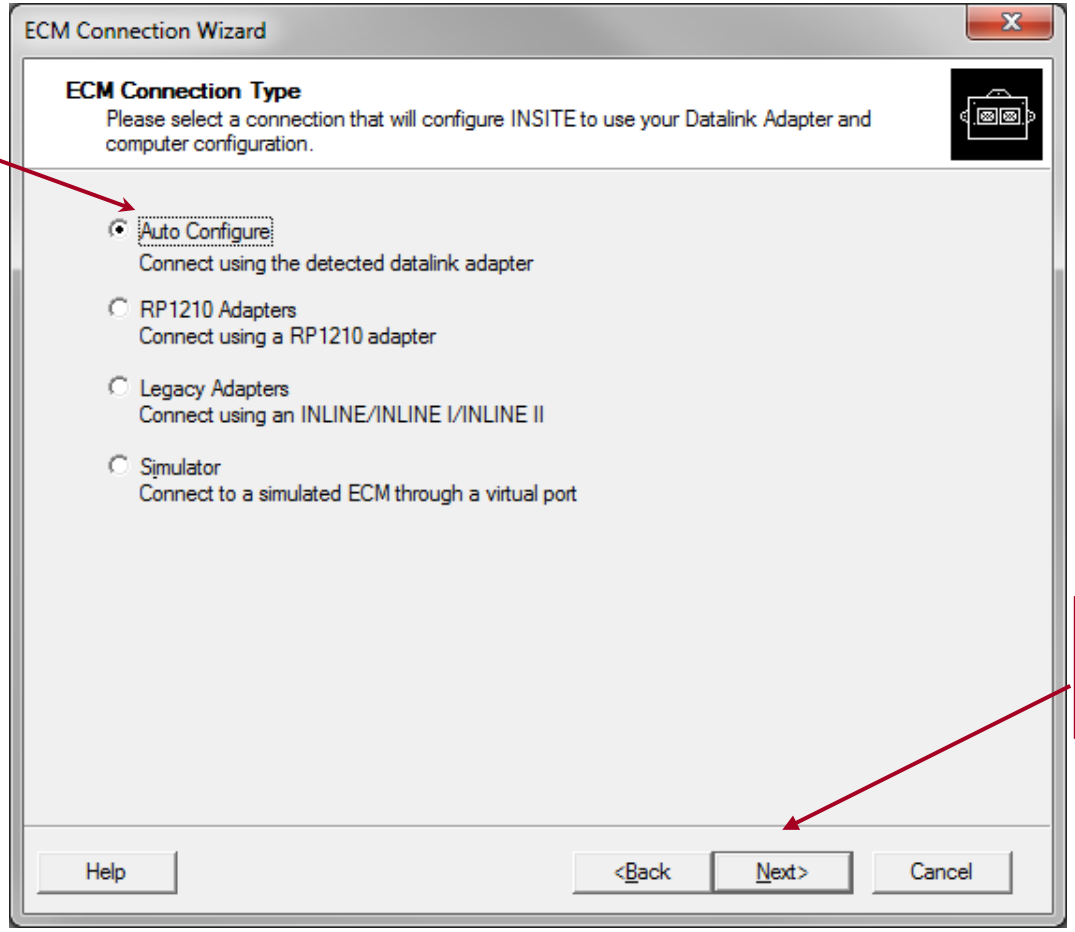
- The Auto Configure feature is updated and improved to identify not only Cummins adapters but also other third party RP1210A compliant datalink adapters

ECM Connection Wizard – Auto Configure

Click Next to continue

ECM Connection Wizard – Auto Configure

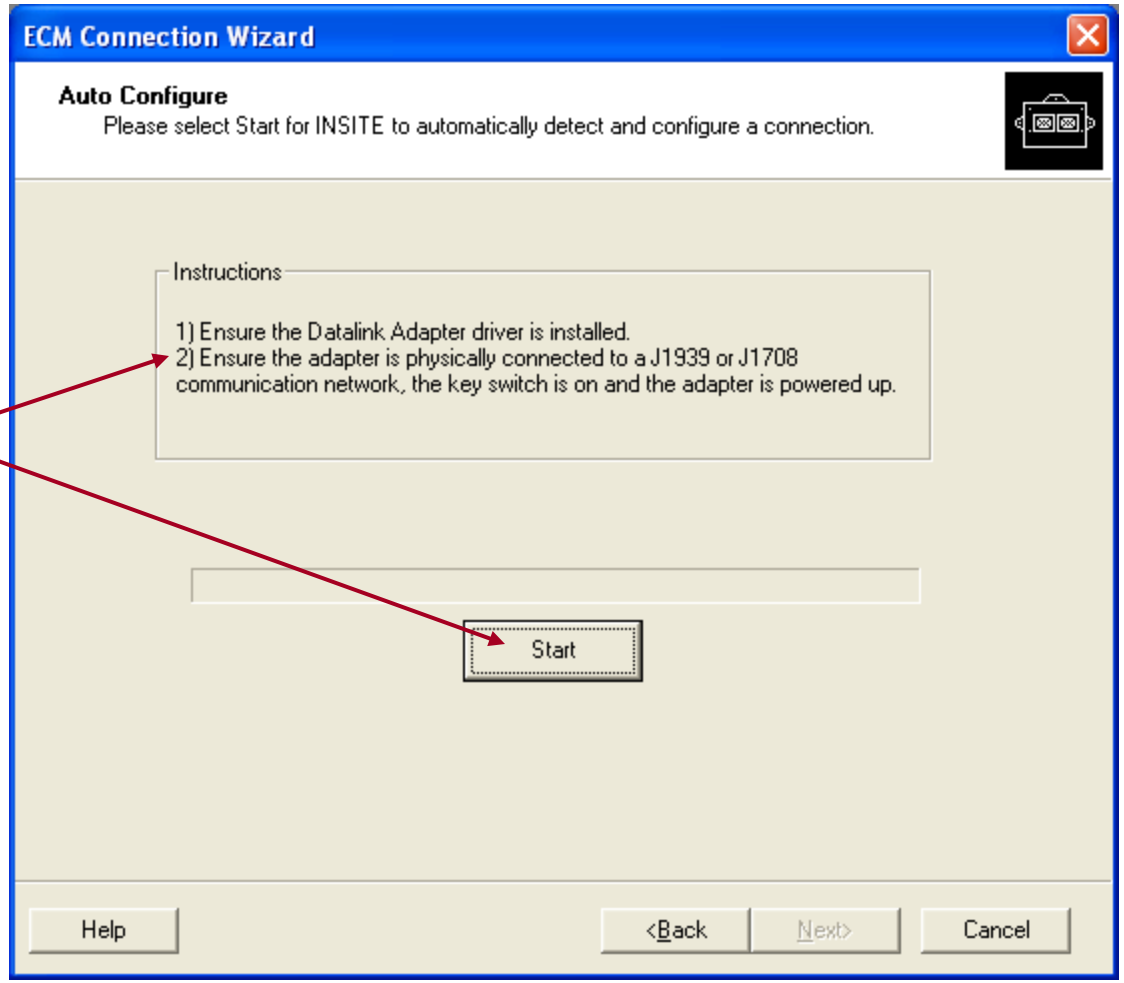
Select Auto Configure



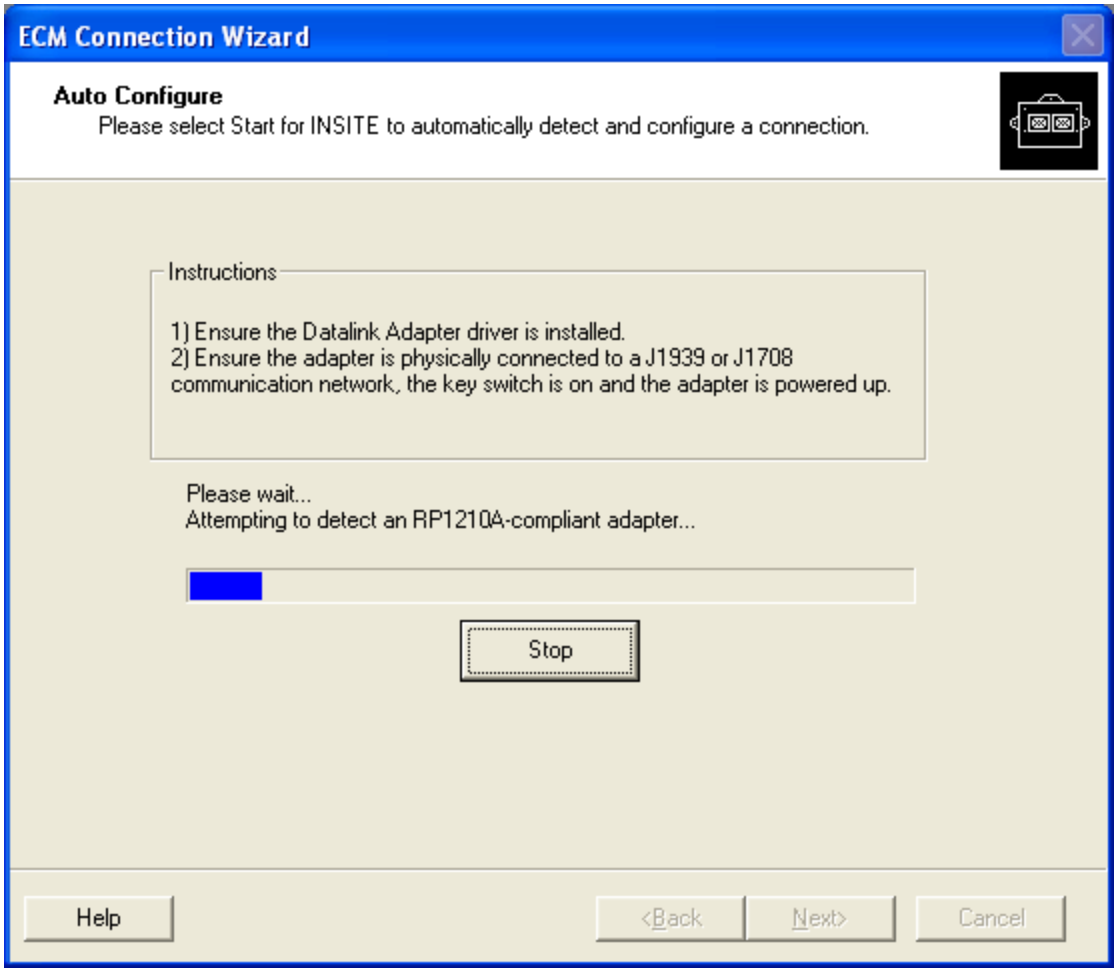
Click Next to continue

ECM Connection Wizard – Auto Configure

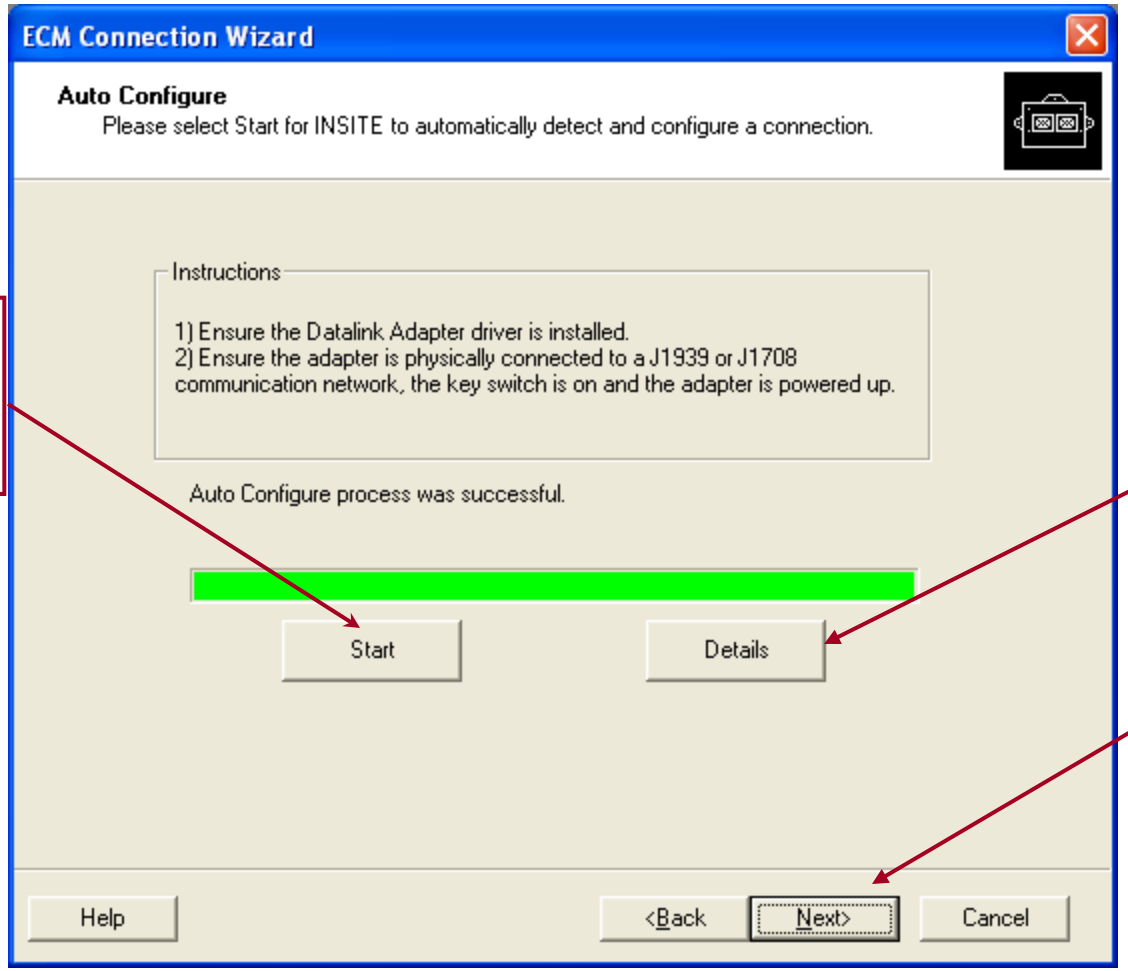
Follow the Instructions, then Click Start



Connection Auto Configure



Connection Auto Configure

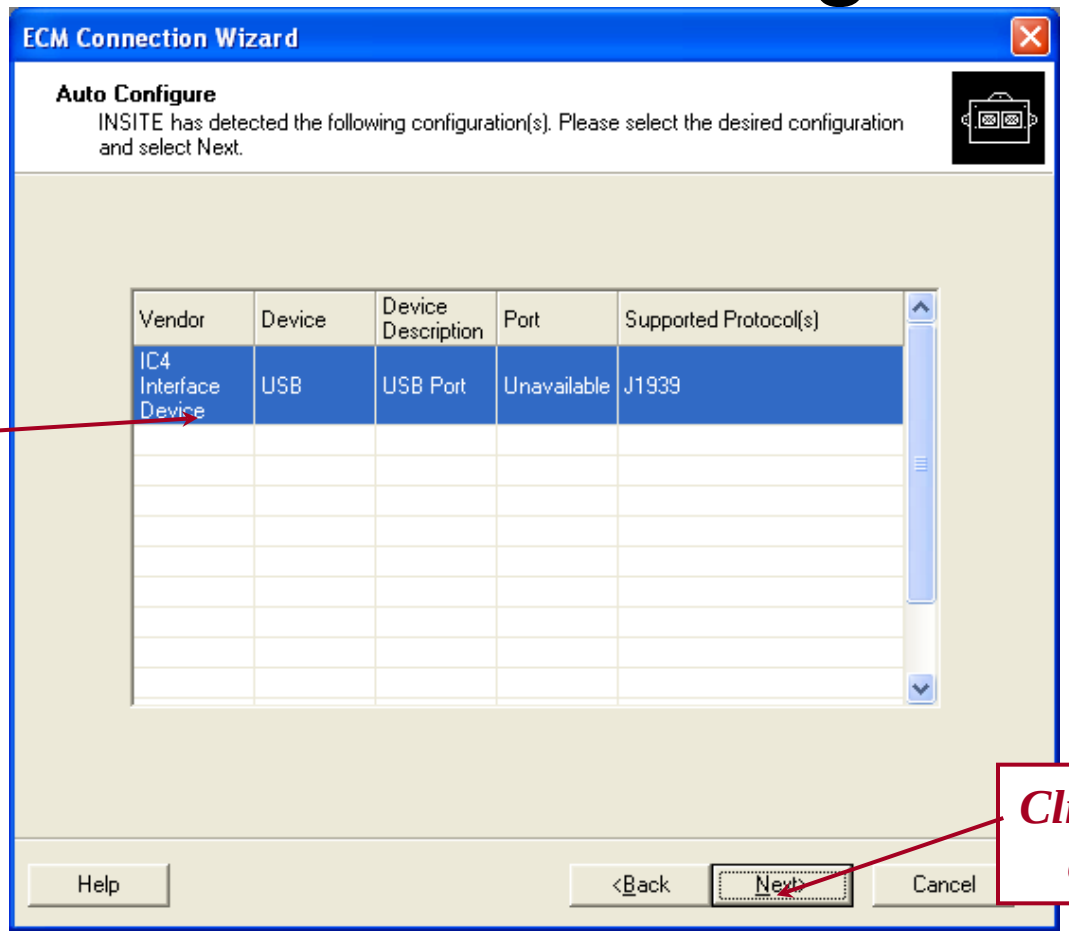


Click Start to restart the Auto Configure

Click Details for more information

Click Next to continue

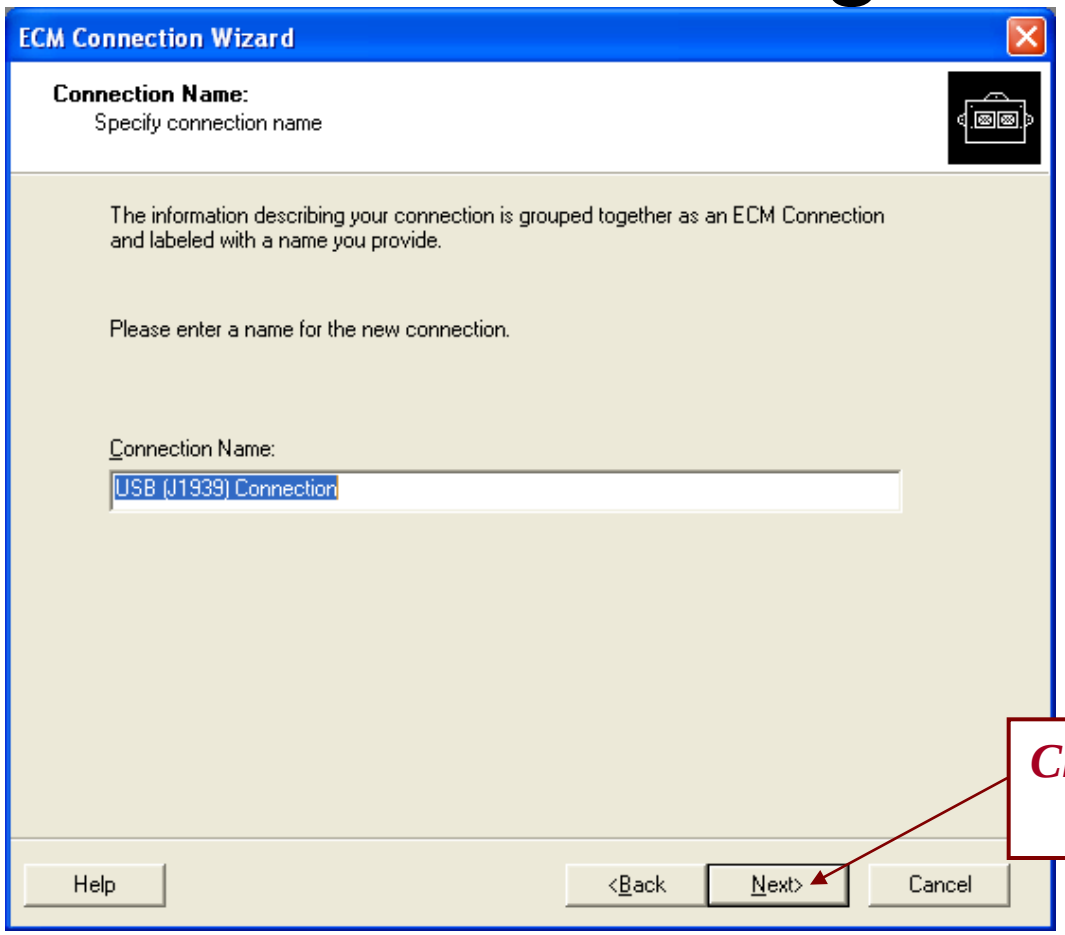
Connection Auto Configure



Select the connection

Click Next to continue

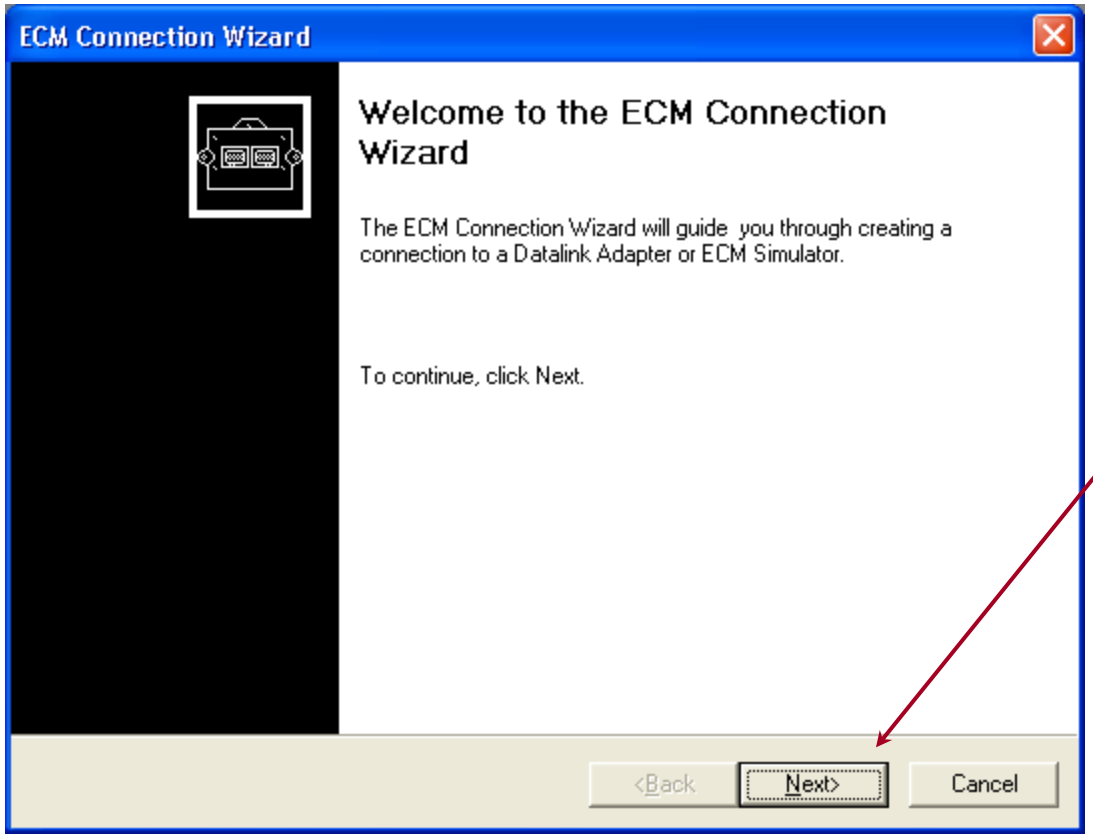
Connection Auto Configure



Connection Wizard

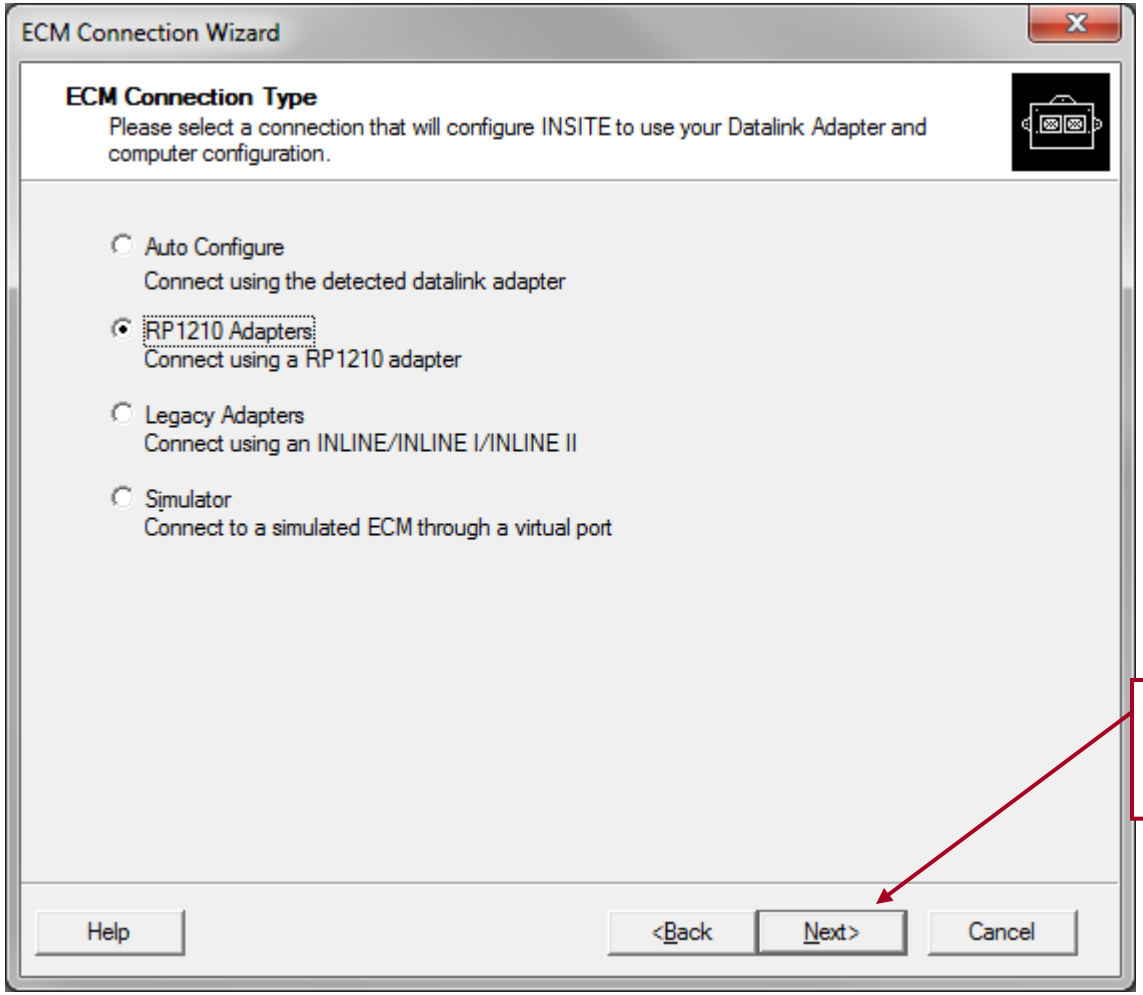
- The connection wizard is updated and simplified for the easy selection of RP1210A compliant datalink adapters and connection tests within the connection wizard

ECM Connection Wizard



Select Next to continue the wizard

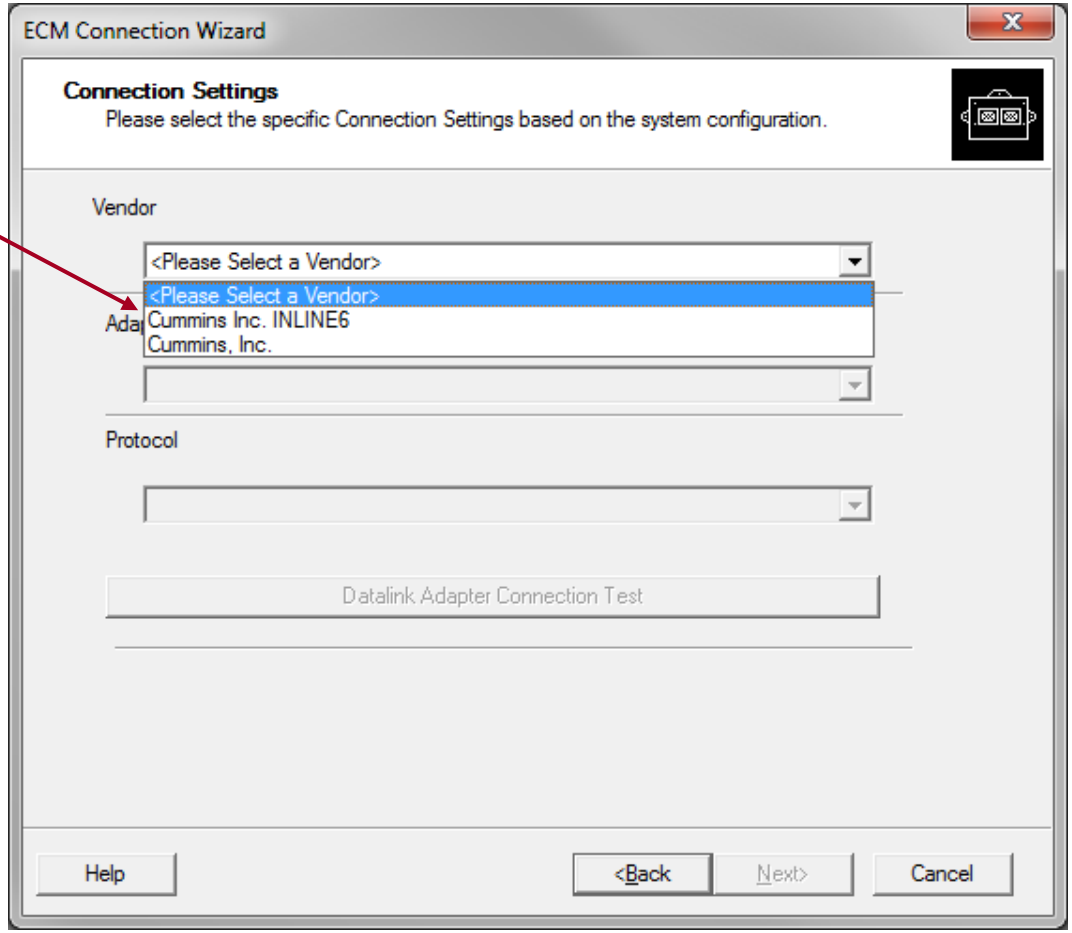
Updated ECM Connection Wizard



Click Next to continue

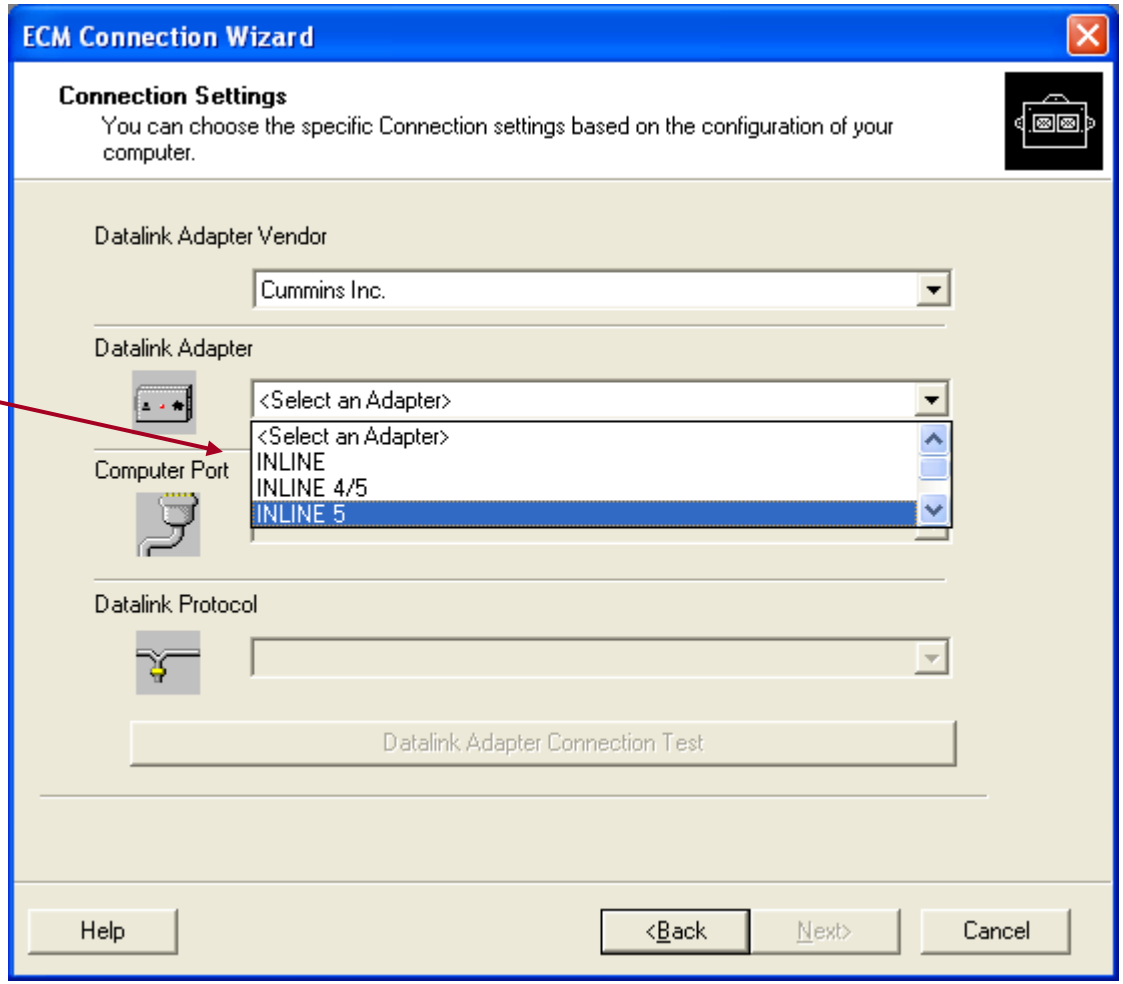
Updated ECM Connection Wizard

RP1210A Datalink Adapter Vendor list will be displayed if the corresponding adapter drivers are installed. Select the Datalink Adapter Vendor

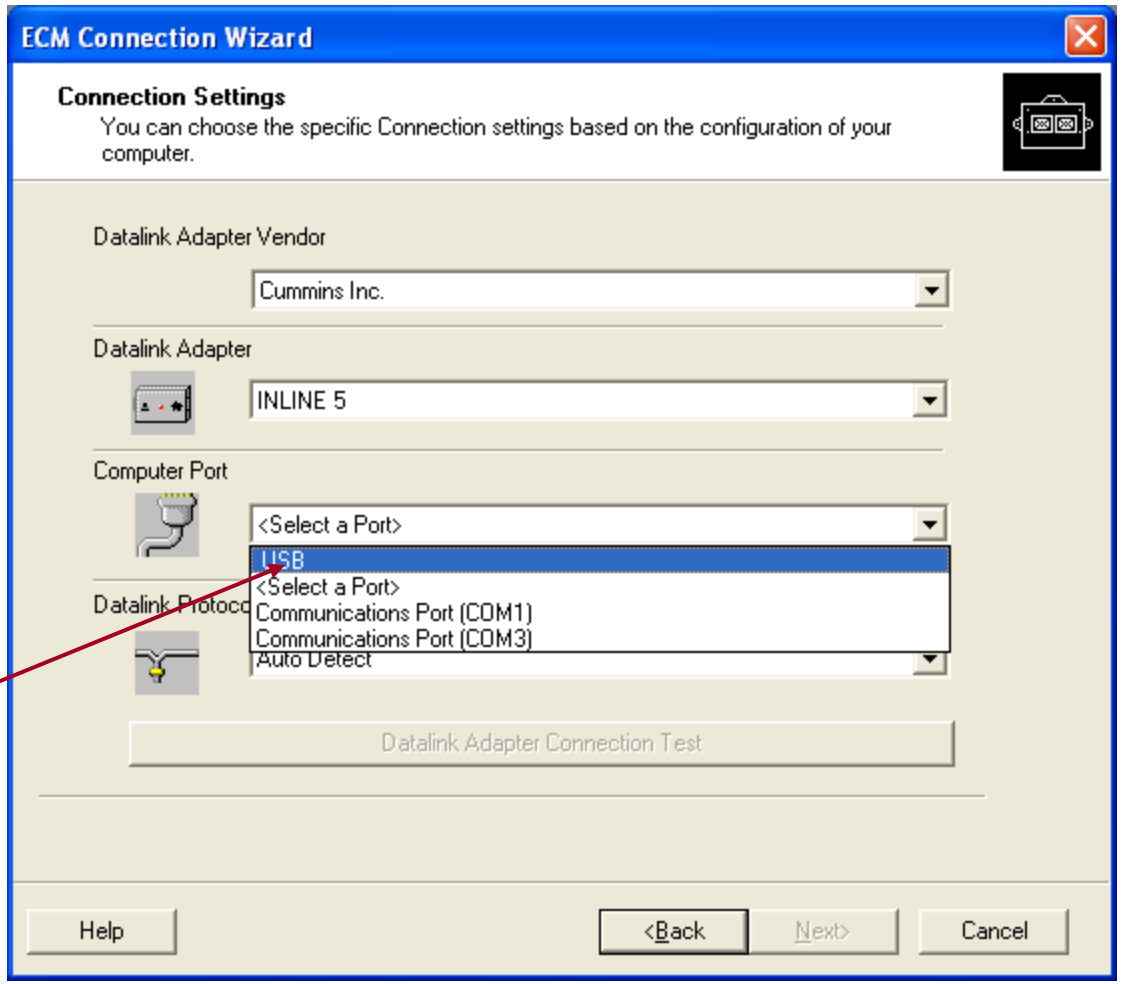


Updated ECM Connection Wizard

Select the Datalink Adapter

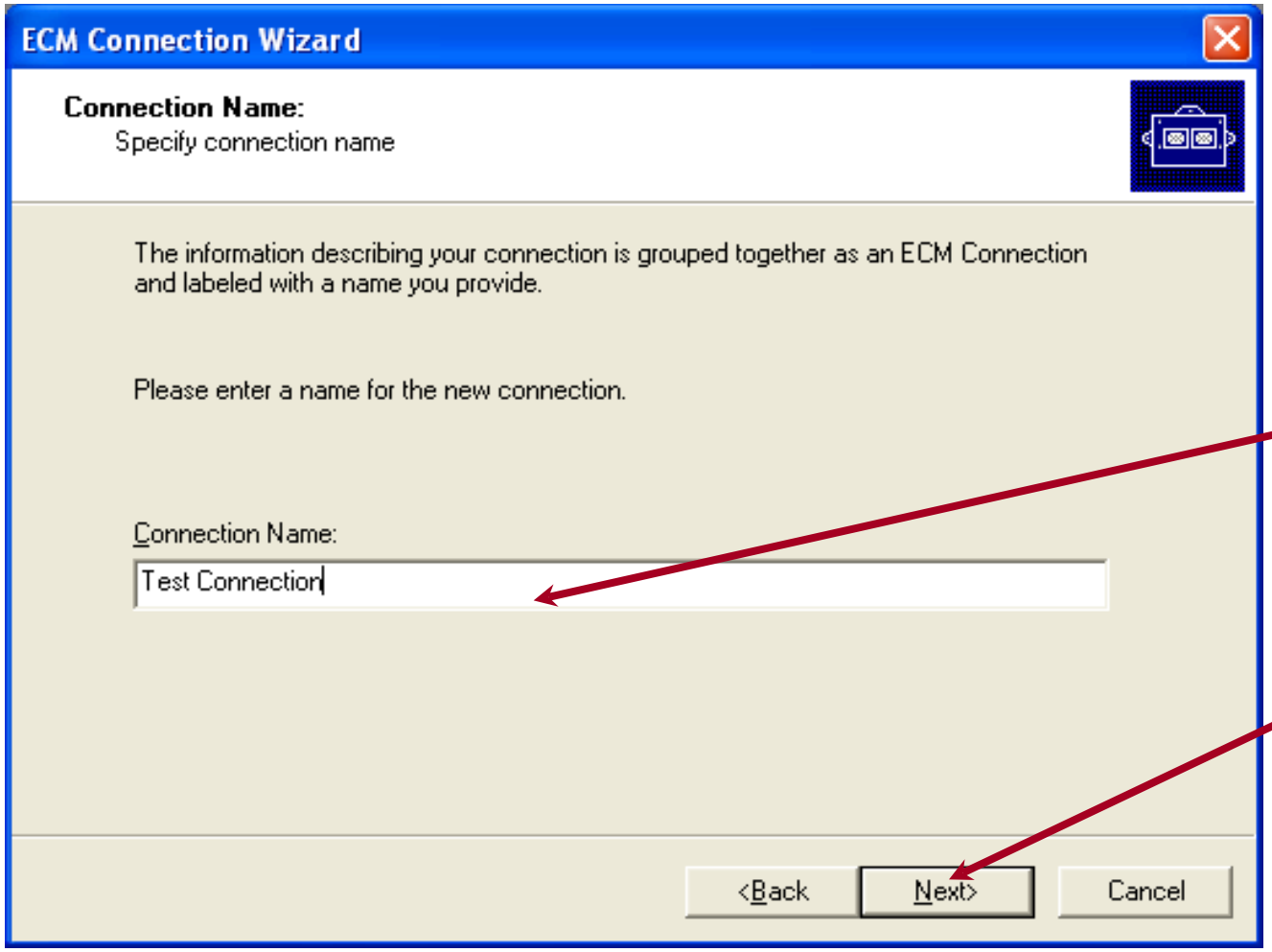


Updated ECM Connection Wizard



Select the computer port

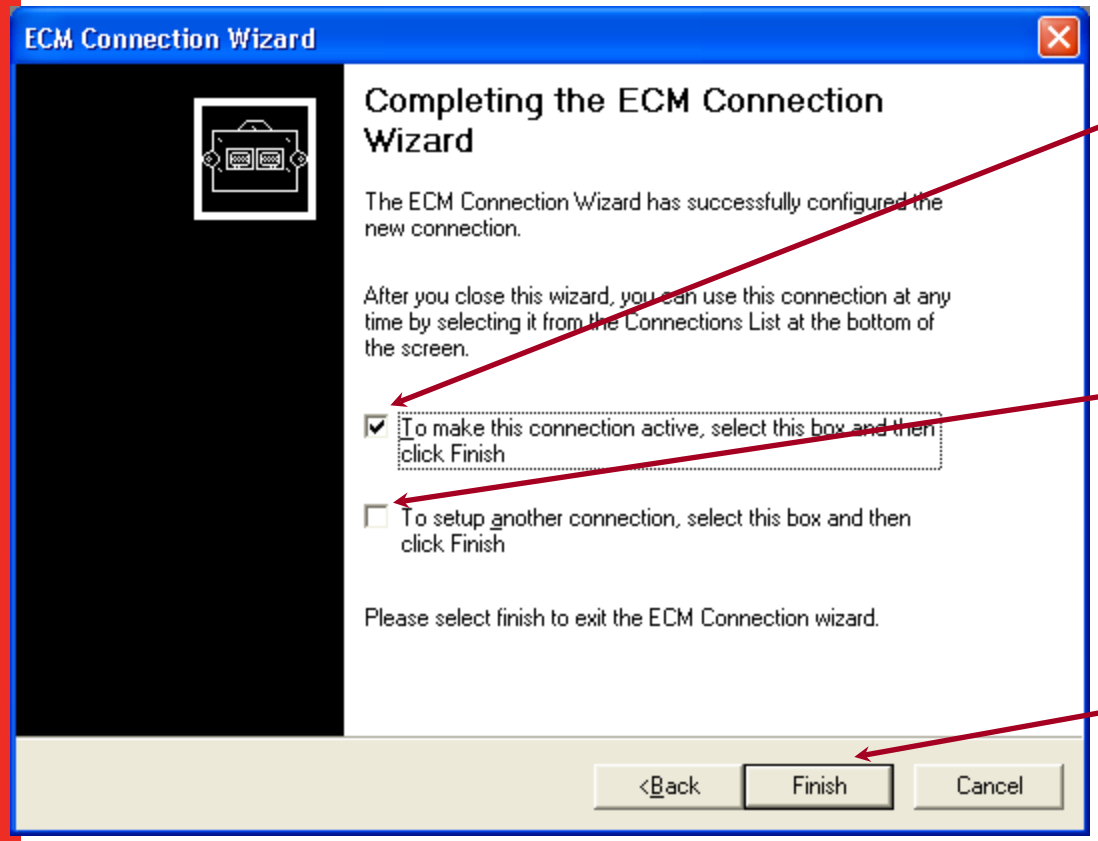
Connection Name



Type name for connection

Select Next to continue the wizard

Completing the ECM Connection Wizard

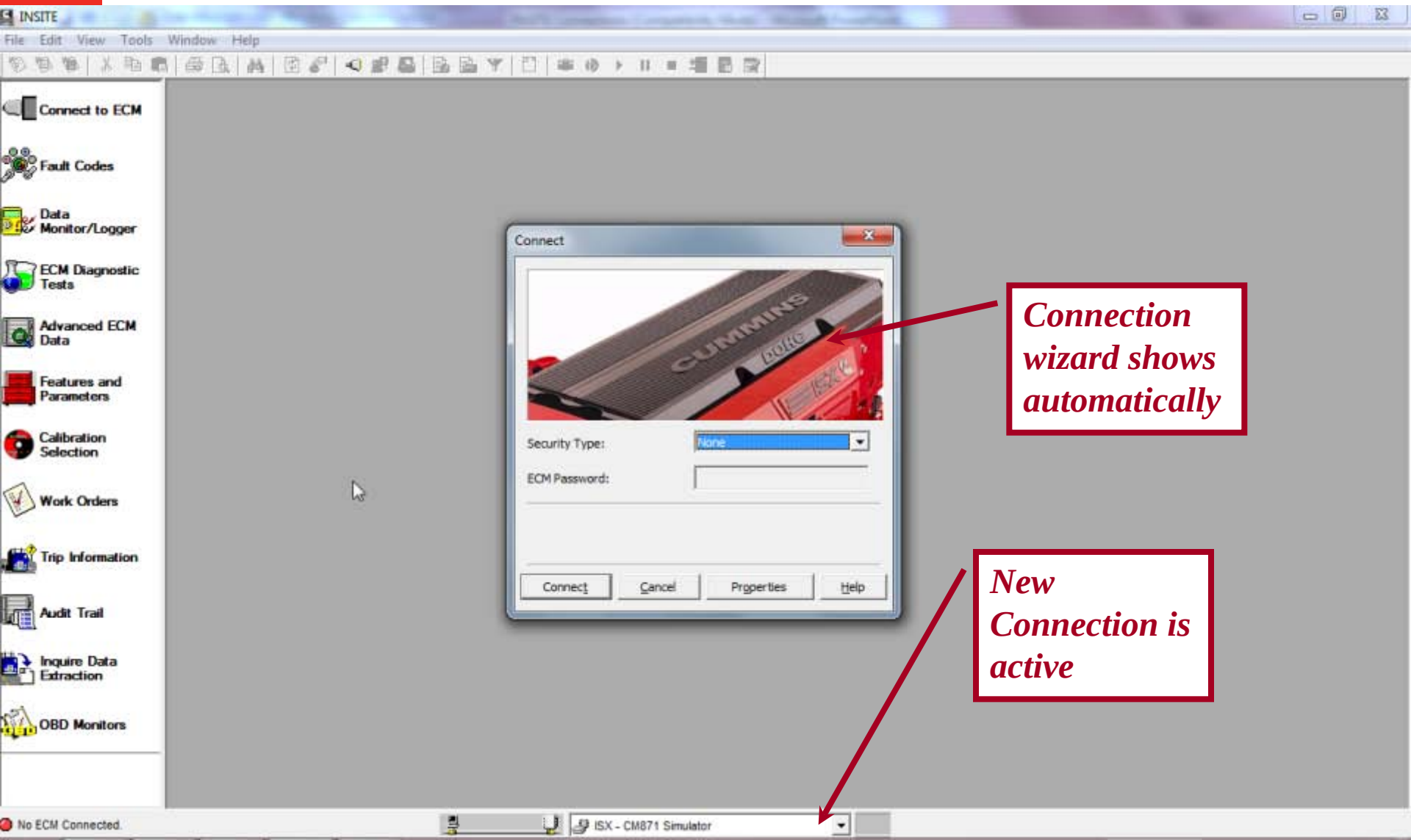


Select to make the new connection active

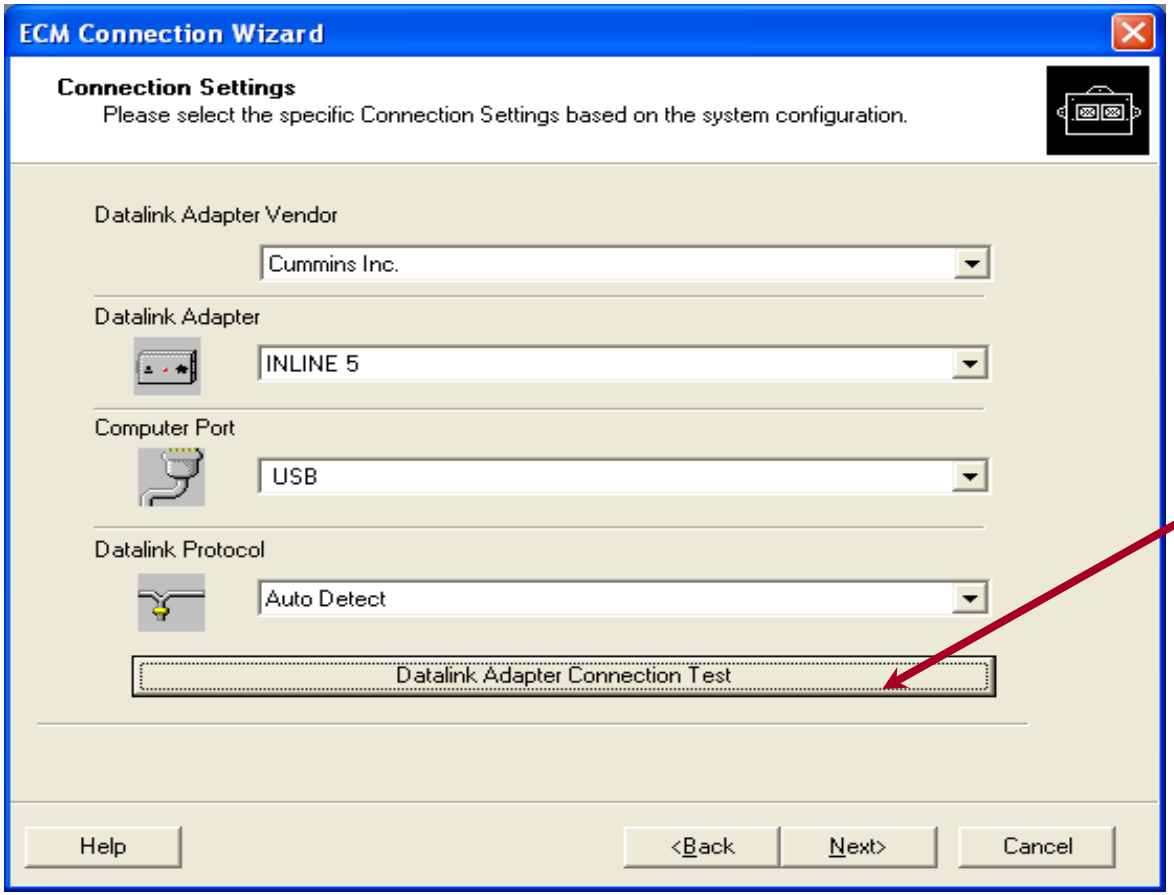
Select to create another connection

Select Finish to conclude wizard

Connection Wizard

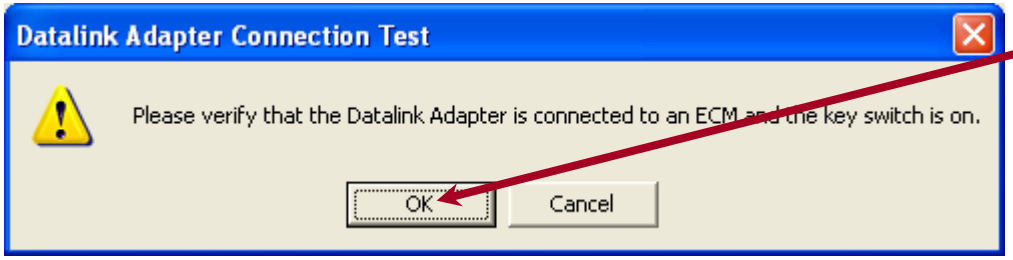


Datalink Adapter Connection Test

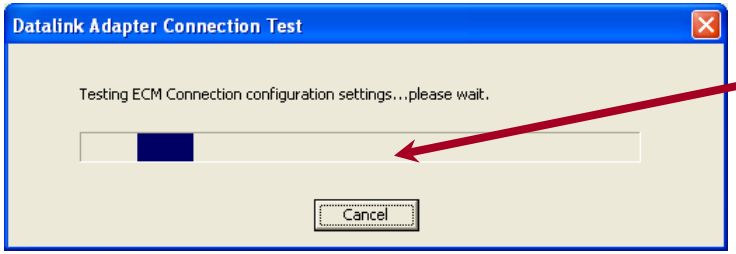


Click on Datalink Adapter Connection Test

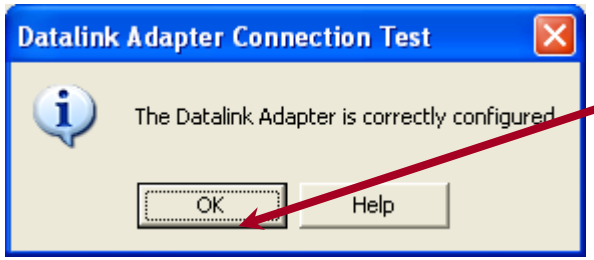
Datalink Adapter Connection Test



Click OK



Status bar showing the connection status



Click OK

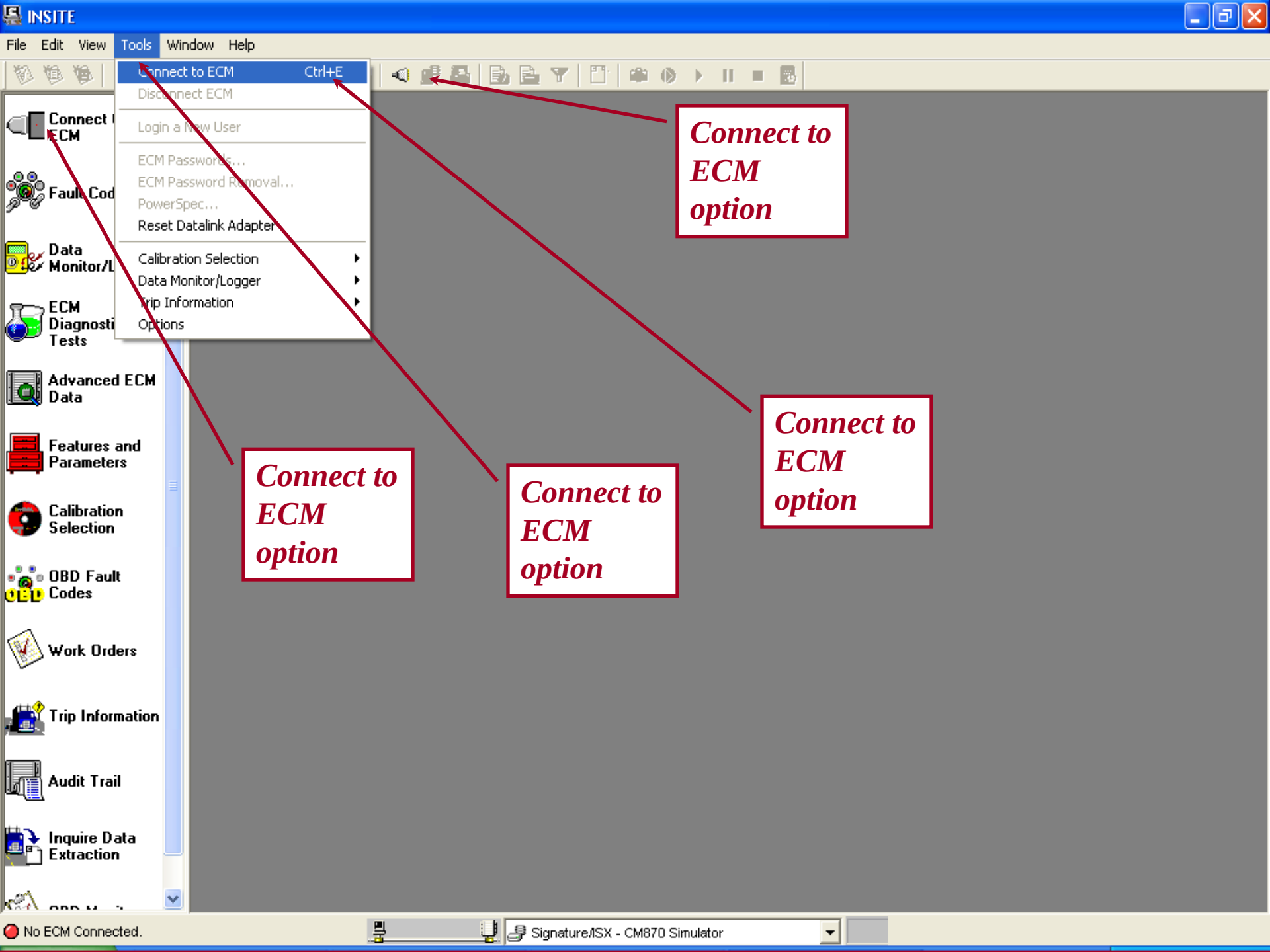
Connections

Select the desired Connection Type

- INLINE 5/6, RP1210A or Simulator
- Will open a Connect Window

If previous connection type selected

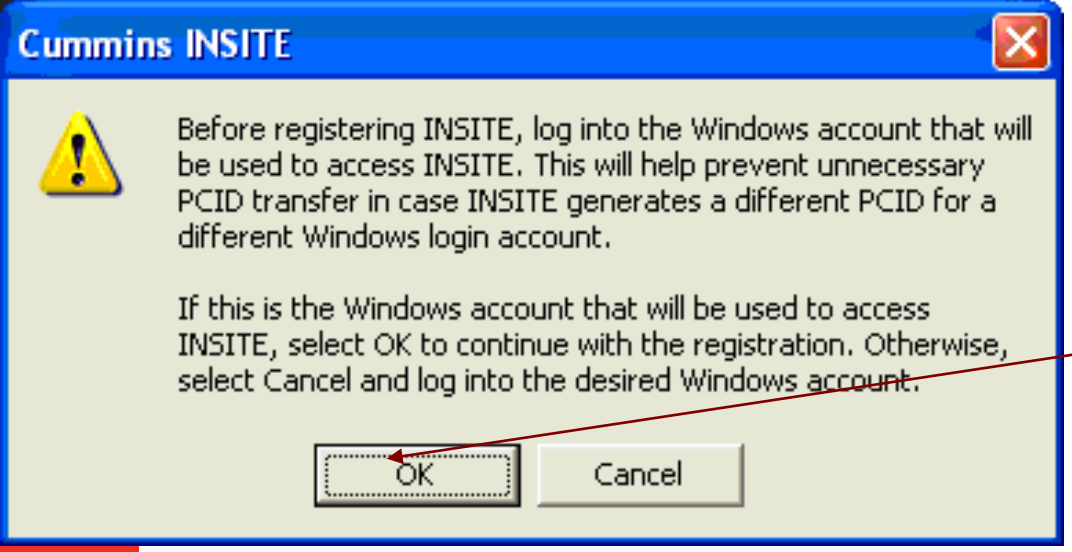
- Tools → Connect to ECM
- Ctrl+E
- Connect to ECM icon on the View Bar
- Connect to ECM icon on the Tool Bar


INSITE
File
Edit
View
Tools
Window
Help
Connect to ECM Ctrl+E
Disconnect ECM
Login a New User
ECM Passwords...
ECM Password Removal...
PowerSpec...
Reset Datalink Adapter
Calibration Selection
Data Monitor/Logger
Trip Information
Options
Connect to ECM option
Connect to ECM option
Connect to ECM option
Connect to ECM option
Data Monitor/L
ECM Diagnosti Tests
Advanced ECM Data
Features and Parameters
Calibration Selection
OBD Fault Codes
Work Orders
Trip Information
Audit Trail
Inquire Data Extraction
No ECM Connected.
Signature/ISX - CM870 Simulator

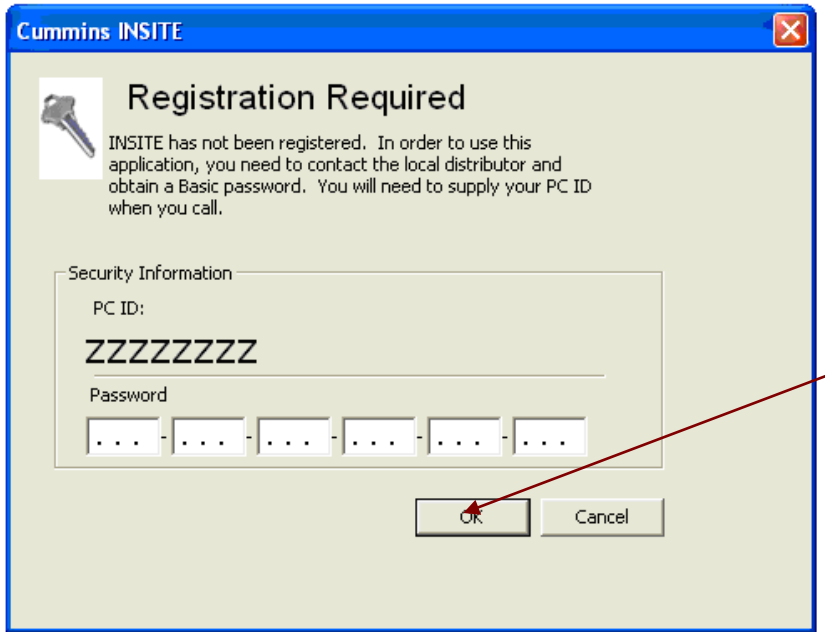
Connections

Ability to add Functionality Password when opening INSITE™ for the first time

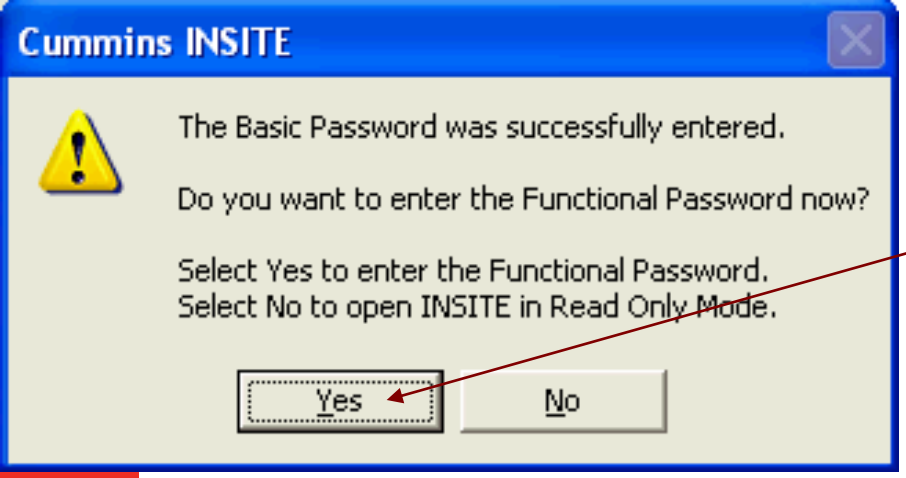
- INSITE™ provides the capability to enter both the Basic and Functionality password the first time it is opened
- This applies to a new installation only
- After entering the Basic password, a window will open asking for the Functionality password to be entered



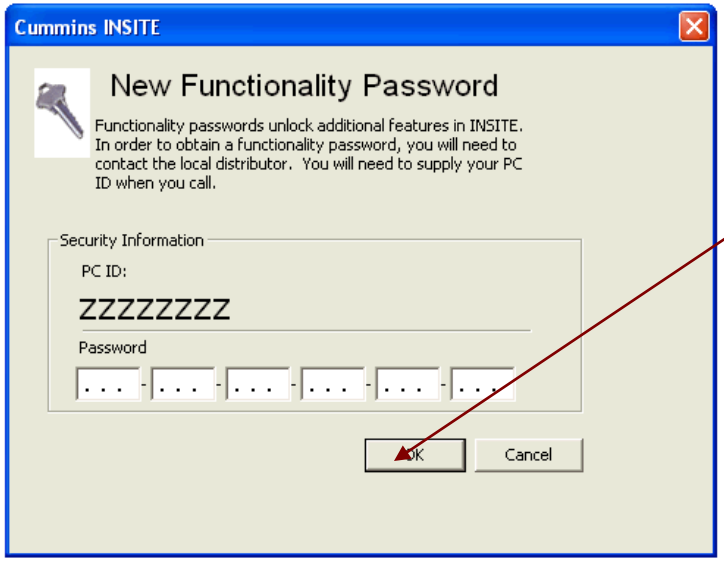
Follow the instructions and click OK



Enter the Basic Password and click OK



Follow the instructions to enter the Functionality Password



Enter the Functionality Password and click OK

Engine Simulators

- INSITE can Simulate connections to all supported engines
  - Celect Plus, ISX, ISB…
  - Almost Full Simulated tool Functionality
  - Can be used for training or exploring Engine Features
  - Data is simulated and may not represent actual engine data
- Simulator can be used to learn INSITE and Engine features without being connected to an Engine

Connections Wrap Up

- Make sure the desired connection is selected
- To connect to ECM
  - Use Ctrl+E as a shortcut to get connected
  - Use the View Bar icon
  - Tool Bar icon to connect
  - Click on Tools → Connect to ECM

You have concluded this section of the training.

Please click to the next slide and continue or Click Here to return to the Table of Content.

INSITE™ Data Monitor/Logging and OBD Monitors

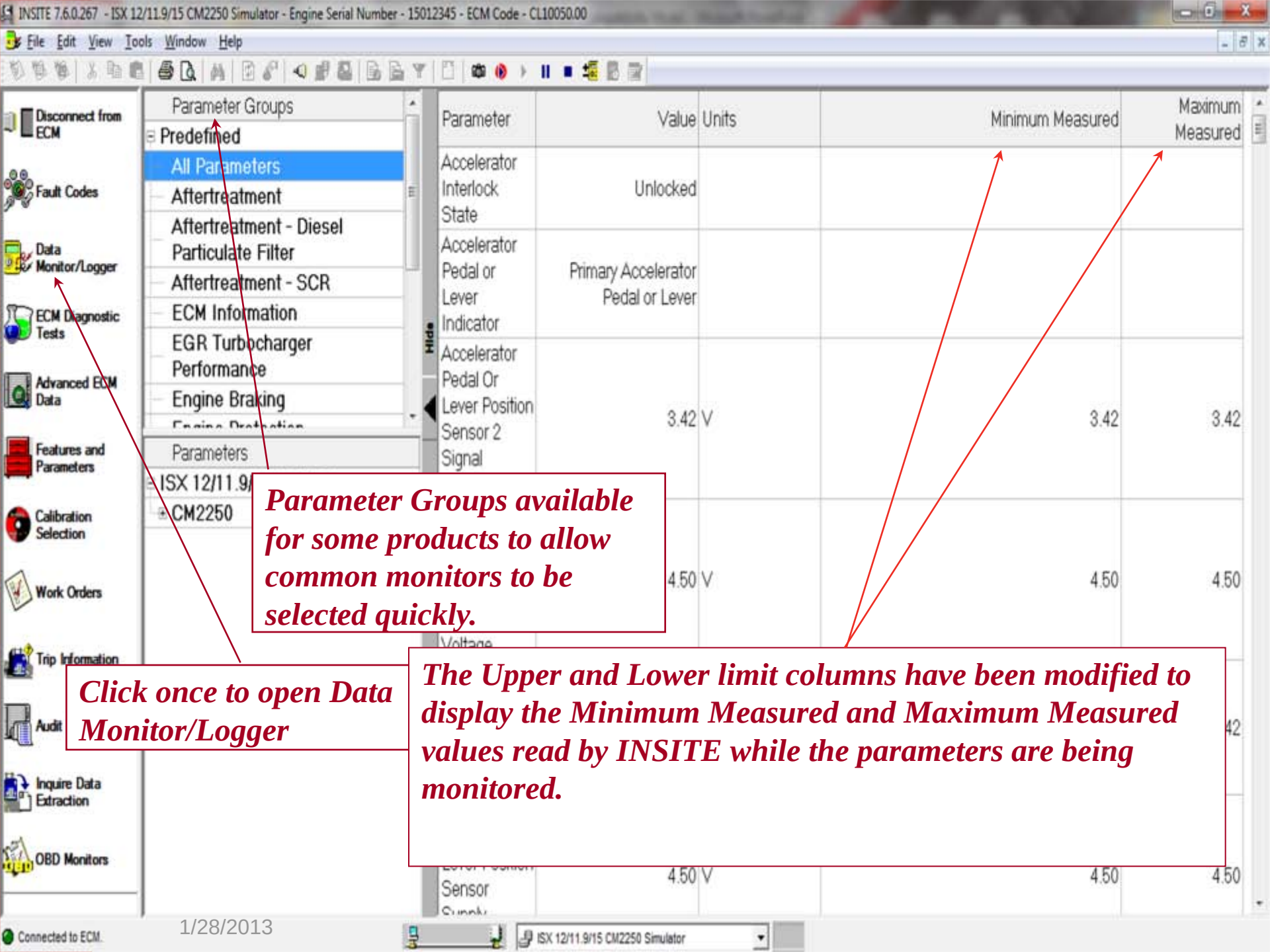
Electronic Service Tools

Innovation You Can Depend On™

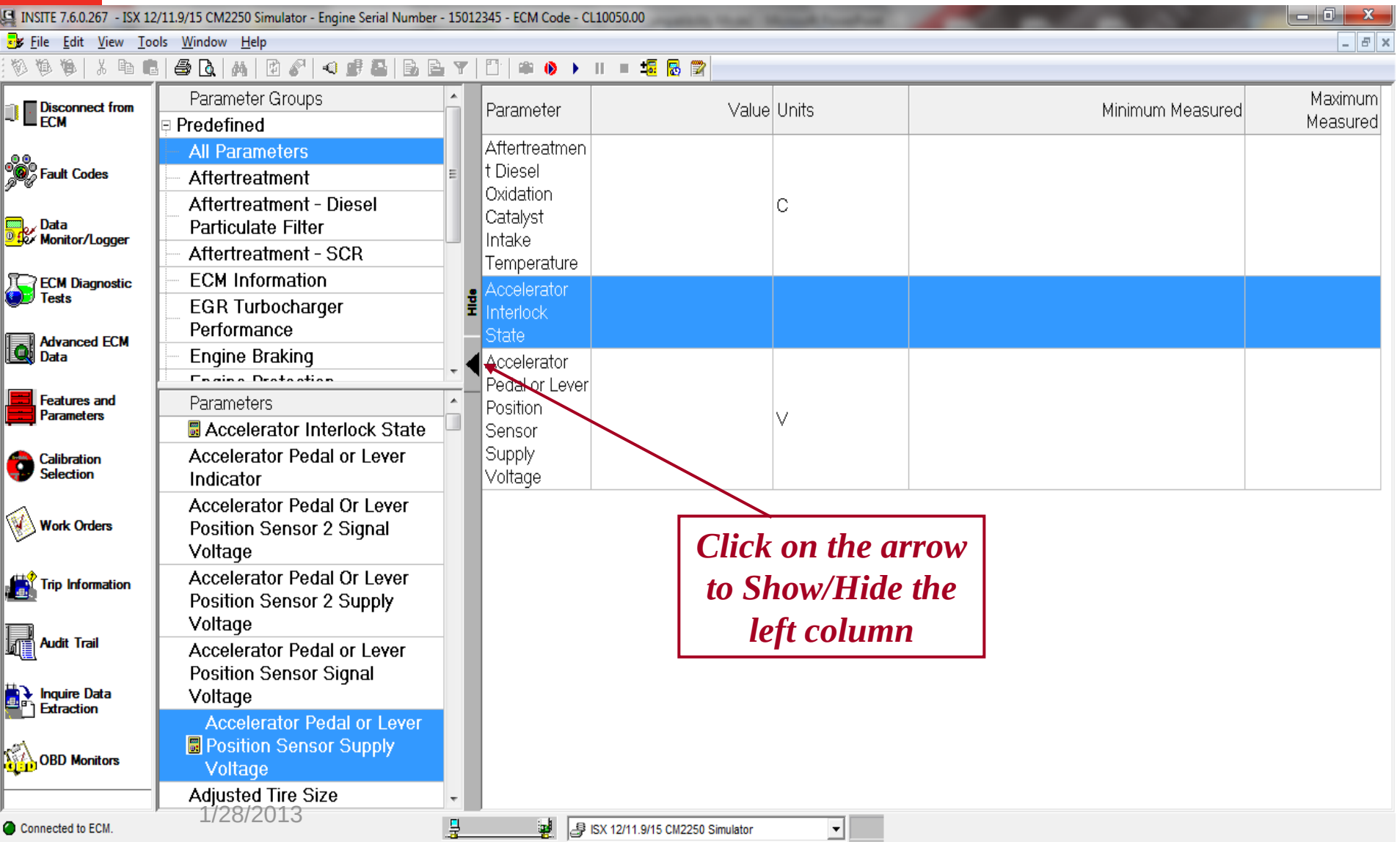
Data Monitor / Logger

Method to view or log live engine data at a user defined sample rate.

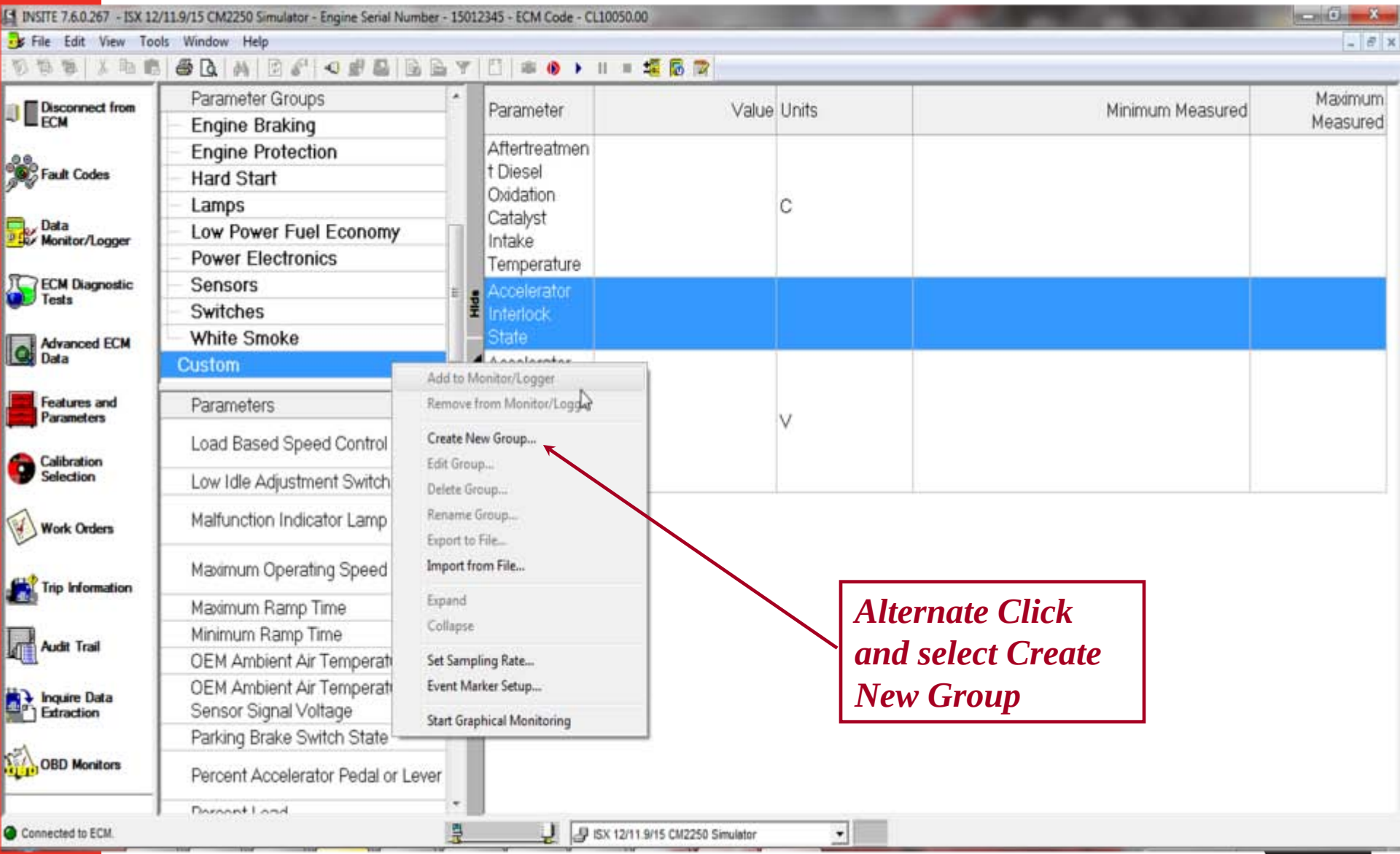
- Monitor data:
  - View selected parameters to display
- Log data:
  - Continuous logged data for each parameter selected and saved to a file for analysis
- Snapshot:
  - Single data point logged for each parameter selected and saved to a file for analysis


INSITE 7.6.0.267 - ISX 12/11.9/15 CM2250 Simulator - Engine Serial Number - 15012345 - ECM Code - CL10050.00
File Edit View Tools Window Help
Disconnect from ECM
Fault Codes
Data Monitor/Logger
ECM Diagnostic Tests
Advanced ECM Data
Features and Parameters
Calibration Selection
Work Orders
Trip Information
Audit
Inquire Data Extraction
OBD Monitors
Parameter Groups
Predefined
All Parameters
Aftertreatment
Aftertreatment - Diesel Particulate Filter
Aftertreatment - SCR
ECM Information
EGR Turbocharger Performance
Engine Braking
Parameters
ISX 12/11.9/
CM2250
Hide
Parameter
Value
Units
Minimum Measured
Maximum Measured
Accelerator Interlock State
Unlocked
Accelerator Pedal or Lever Indicator
Primary Accelerator Pedal or Lever
Accelerator Pedal Or Lever Position Sensor 2 Signal
3.42 V
3.42
3.42
4.50 V
4.50
4.50
Sensor
4.50 V
4.50
4.50
Parameter Groups available for some products to allow common monitors to be selected quickly.
Click once to open Data Monitor/Logger
The Upper and Lower limit columns have been modified to display the Minimum Measured and Maximum Measured values read by INSITE while the parameters are being monitored.
Connected to ECM.
ISX 12/11.9/15 CM2250 Simulator

Data Monitor / Logger



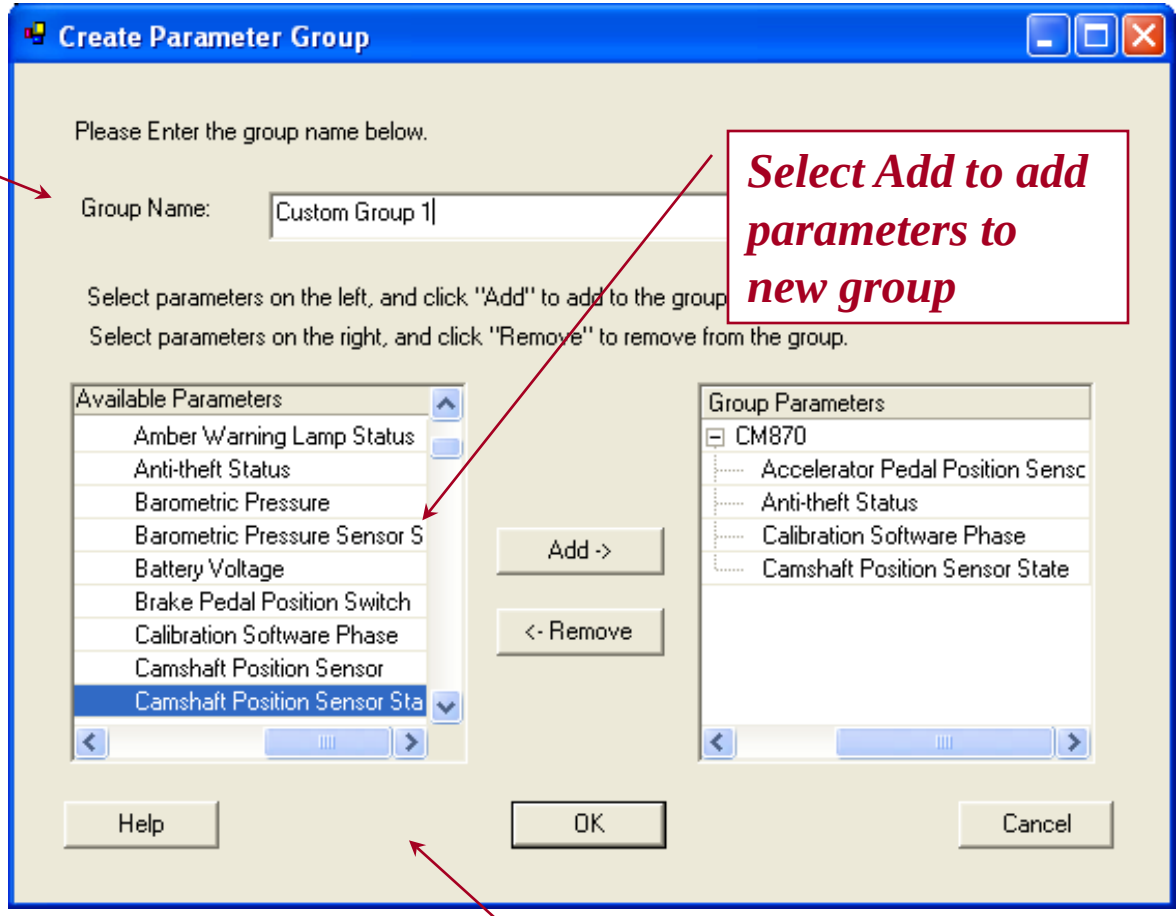
Data Monitor / Logger



Create Custom Group

Name new group

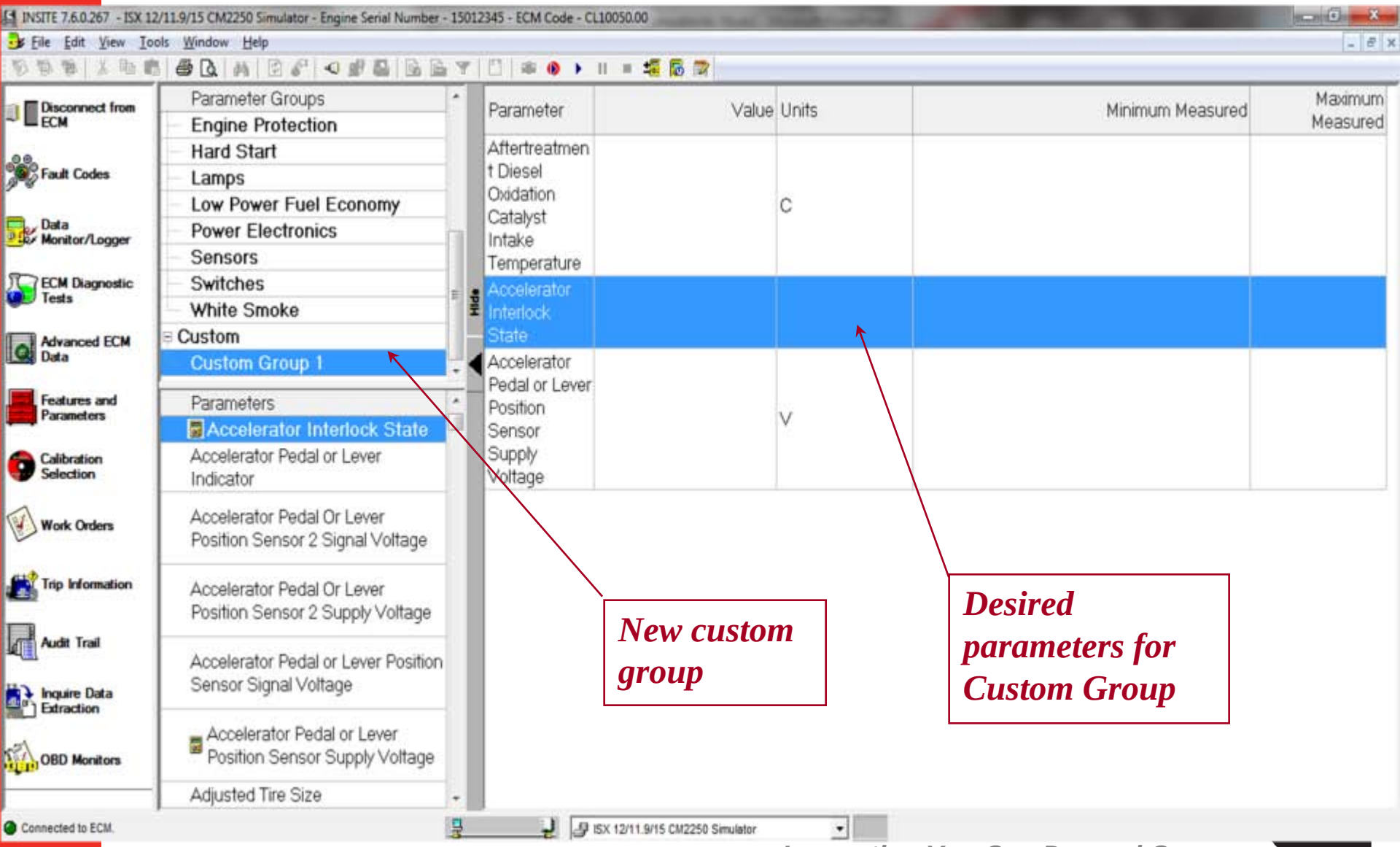
Select desired parameters for new group



Select Add to add parameters to new group

Select OK to continue

Custom Group

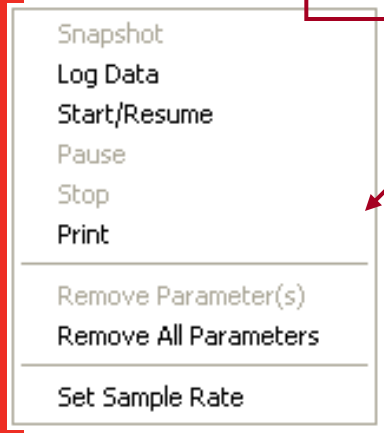


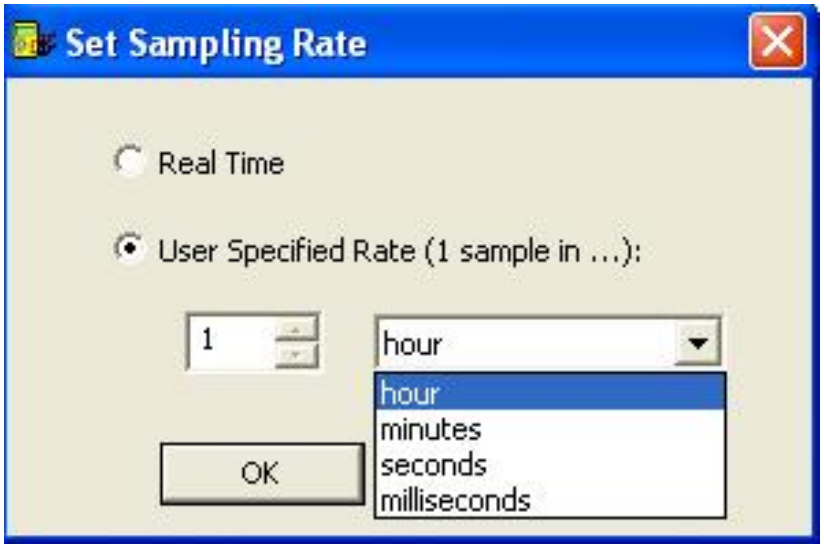
Data Monitor / Logger

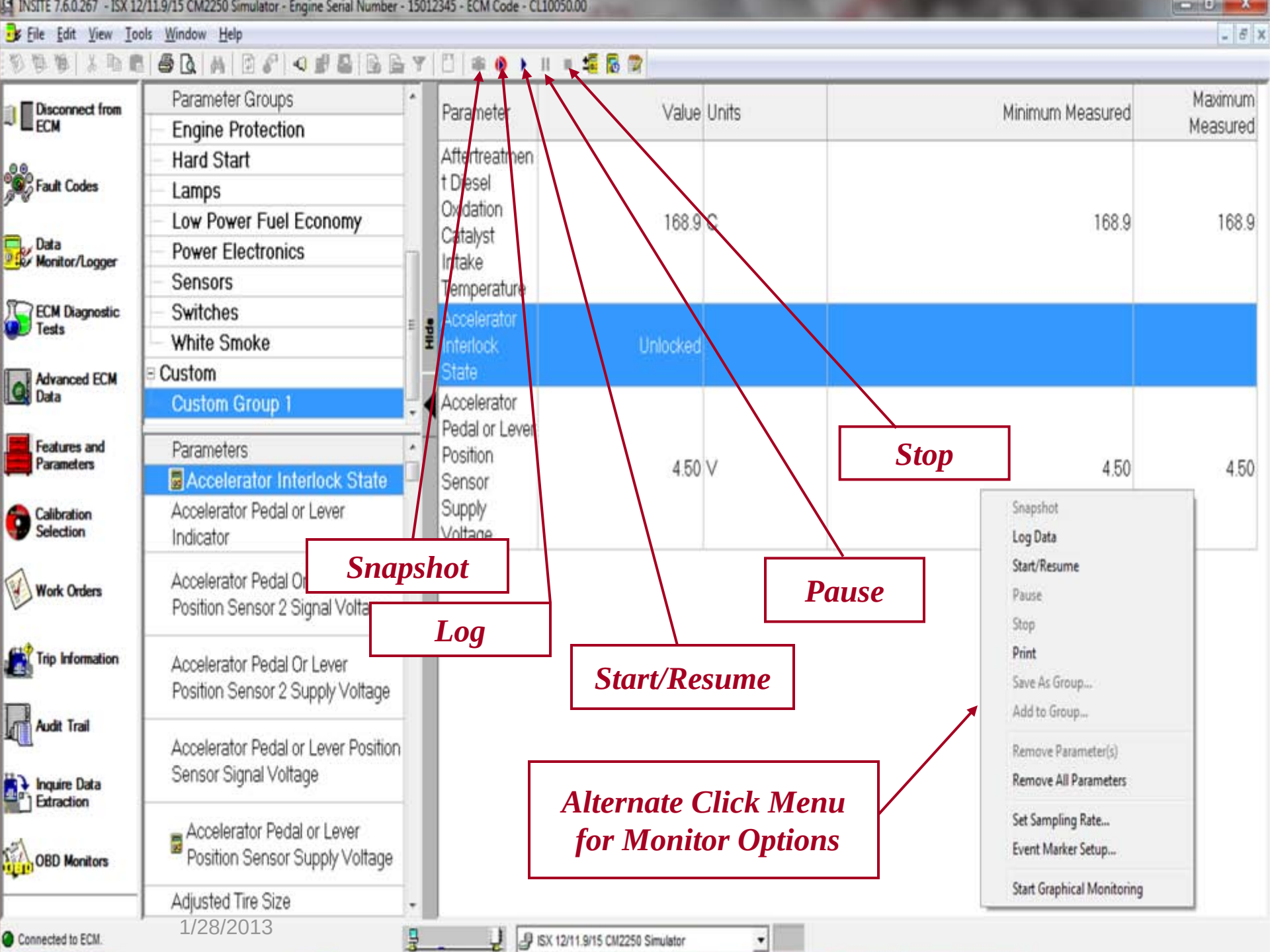
Setting the Data Monitor / Logger sample rate.

- Select Tools → Data → Monitor/Logger → Set Sampling Rate

OR: Alternate Click in Data Monitor/Logger While not Monitoring or Logging



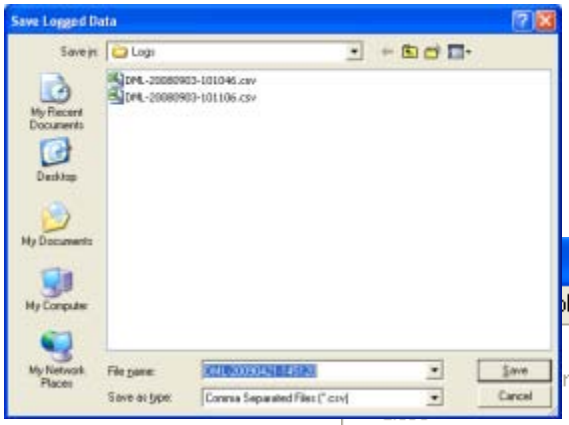


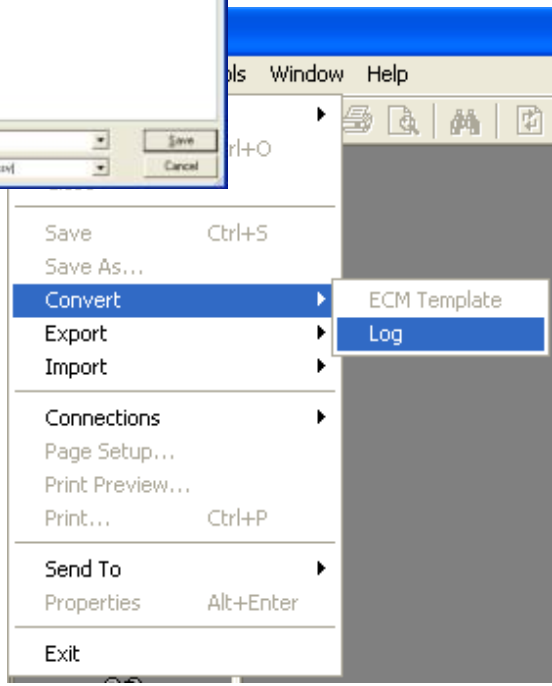

INSITE 7.6.0.267 - ISX 12/11.9/15 CM2250 Simulator - Engine Serial Number - 15012345 - ECM Code - CL10050.00
File Edit View Tools Window Help
Disconnect from ECM
Fault Codes
Data Monitor/Logger
ECM Diagnostic Tests
Advanced ECM Data
Features and Parameters
Calibration Selection
Work Orders
Trip Information
Audit Trail
Inquire Data Extraction
OBD Monitors
Parameter Groups
Engine Protection
Hard Start
Lamps
Low Power Fuel Economy
Power Electronics
Sensors
Switches
White Smoke
Custom
Custom Group 1
Parameters
Accelerator Interlock State
Accelerator Pedal or Lever Indicator
Accelerator Pedal Or Lever Position Sensor 2 Signal Volta
Accelerator Pedal Or Lever Position Sensor 2 Supply Voltage
Accelerator Pedal or Lever Position Sensor Signal Voltage
Accelerator Pedal or Lever Position Sensor Supply Voltage
Adjusted Tire Size
Hide
Parameter
Value
Units
Minimum Measured
Maximum Measured
Aftertreatment Diesel Oxidation Catalyst Intake Temperature
168.9
C
168.9
168.9
Accelerator Interlock State
Unlocked
Accelerator Pedal or Lever Position Sensor Supply Voltage
4.50
V
4.50
4.50
Snapshot
Log Data
Start/Resume
Pause
Stop
Print
Save As Group...
Add to Group...
Remove Parameter(s)
Remove All Parameters
Set Sampling Rate...
Event Marker Setup...
Start Graphical Monitoring
Snapshot
Log
Start/Resume
Pause
Stop
Alternate Click Menu for Monitor Options
Connected to ECM.
ISX 12/11.9/15 CM2250 Simulator

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

Data Monitor / Logger

– Log file contains:

INSITE Professional 7.6.0.267				
Cummins Inc.				
Data Log Information				
	Start Date and Time:	14-Sep-2012,13:56:54.56		
	Total Log Time:	00:35.0		
	Source Log Filename:	C:\Users\ke720\AppData\Local\Temp\tmp850B.tmp		
	Destination Path	C:\INTELECT\INSITE\Logs		
	SamplingRate:	1 seconds per sample		
	Comments:			
Customer and Vehicle Information				
	Customer Name:	Customer Came**		
	Vehicle Unit Number:	x06BBBBBBB		
Engine Information				
	Model:			
	Serial Number:	0		
	ECM Part Number:	4943134		
Date	Time	Battery Voltage	Crankcase Pressure	ECM Time(Key On Time)
9/14/2012	56:54.6	13.9	0	232:47:42
14-Sep-12	56:55.6	13.9	0	232:47:42
14-Sep-12	56:56.6	13.9	0	232:47:44
14-Sep-12	56:57.6	13.9	0	232:47:46

Data Monitor / Logger

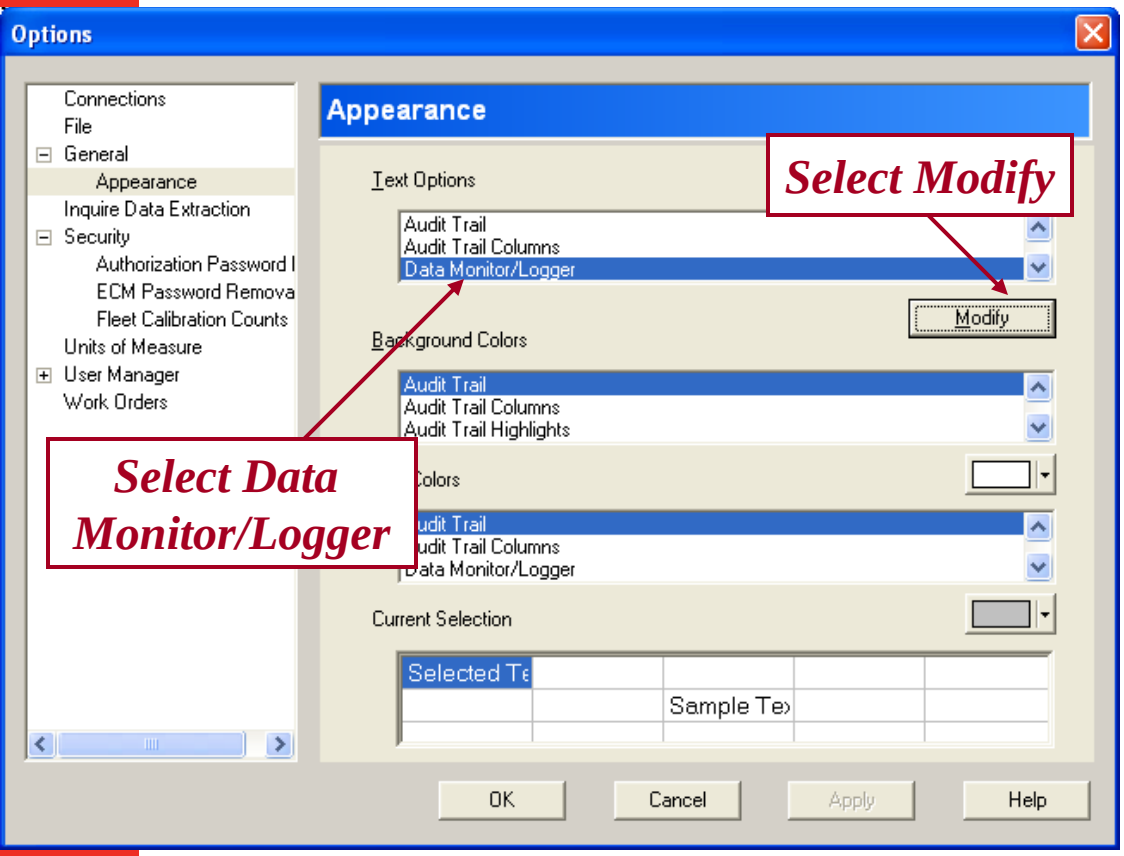
Data Monitor / Logger Limits

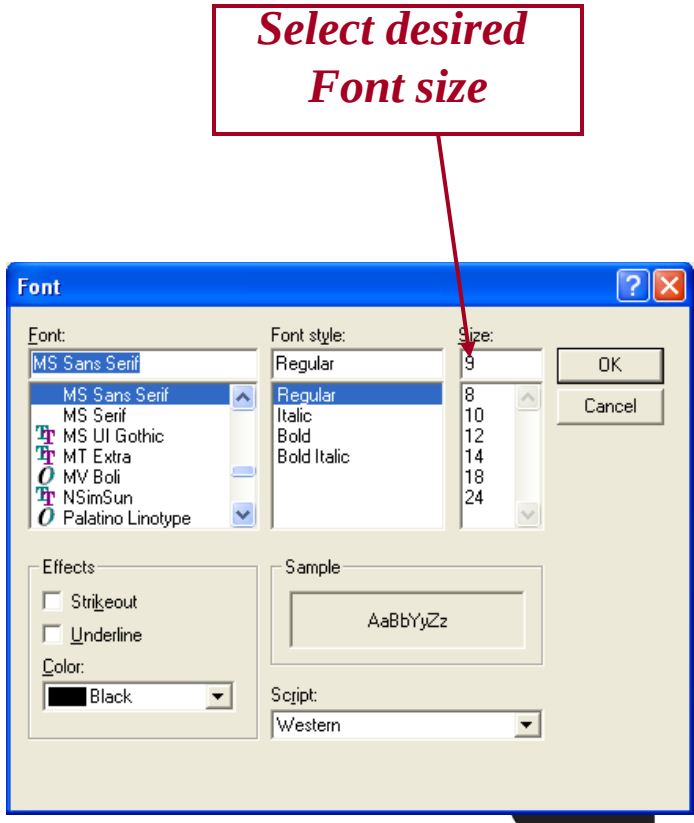
- The Lower Limit and Upper Limit column titles have been replaced with "Min Measured" and "Max Measured”
- The Min Measured column now contains the minimum value observed for each parameter during an open Data Monitor/Logger session.
- The Max Measured column now contains the maximum value observed for each parameter during an open Data Monitor/Logger session.
- The Out of Range Parameter window will no longer be used and has been removed.

Data Monitor / Logger

Increasing the font size in Data Monitor/Logger:

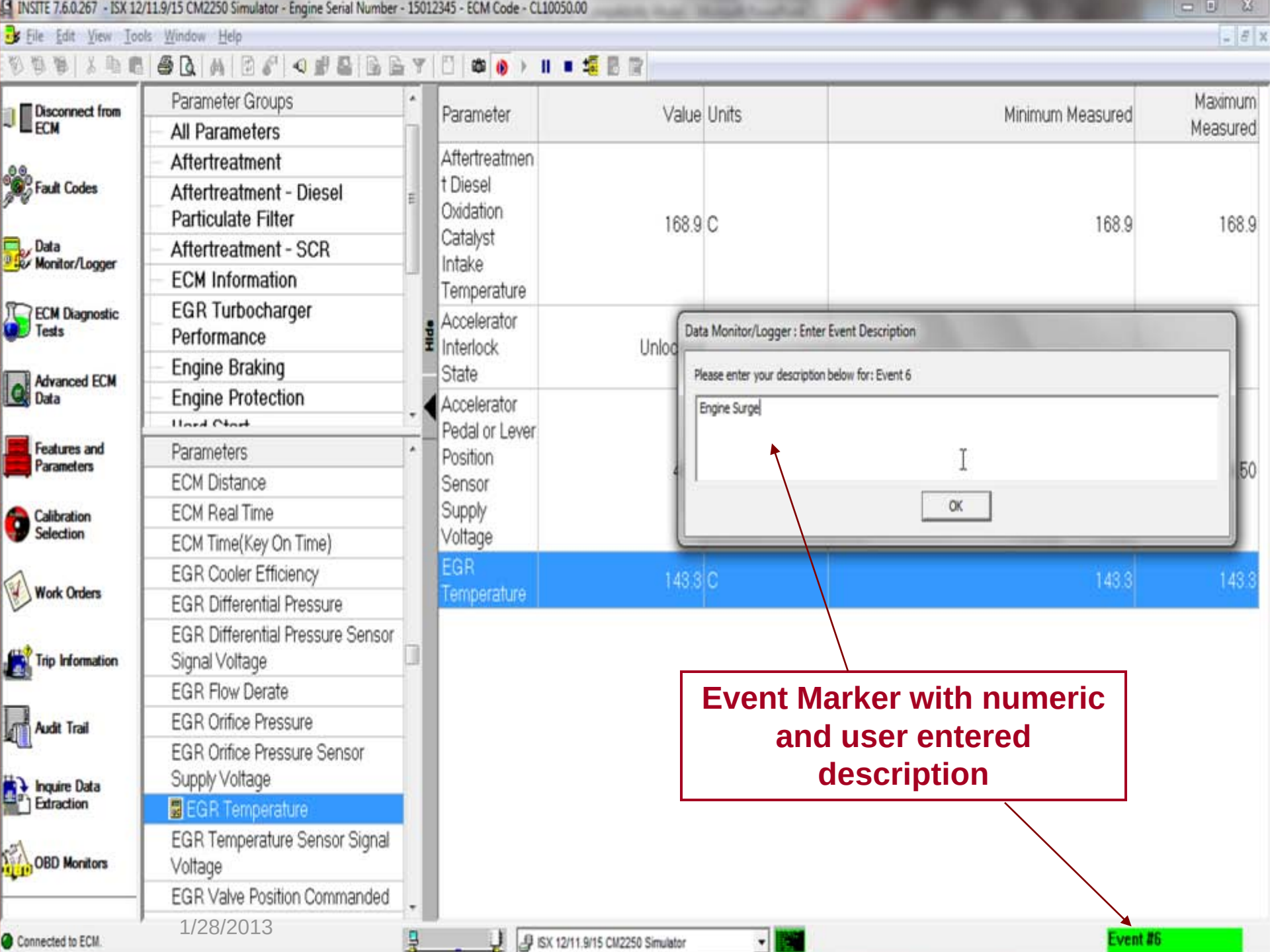
- Select Tools → Options and select Appearance under the General settings





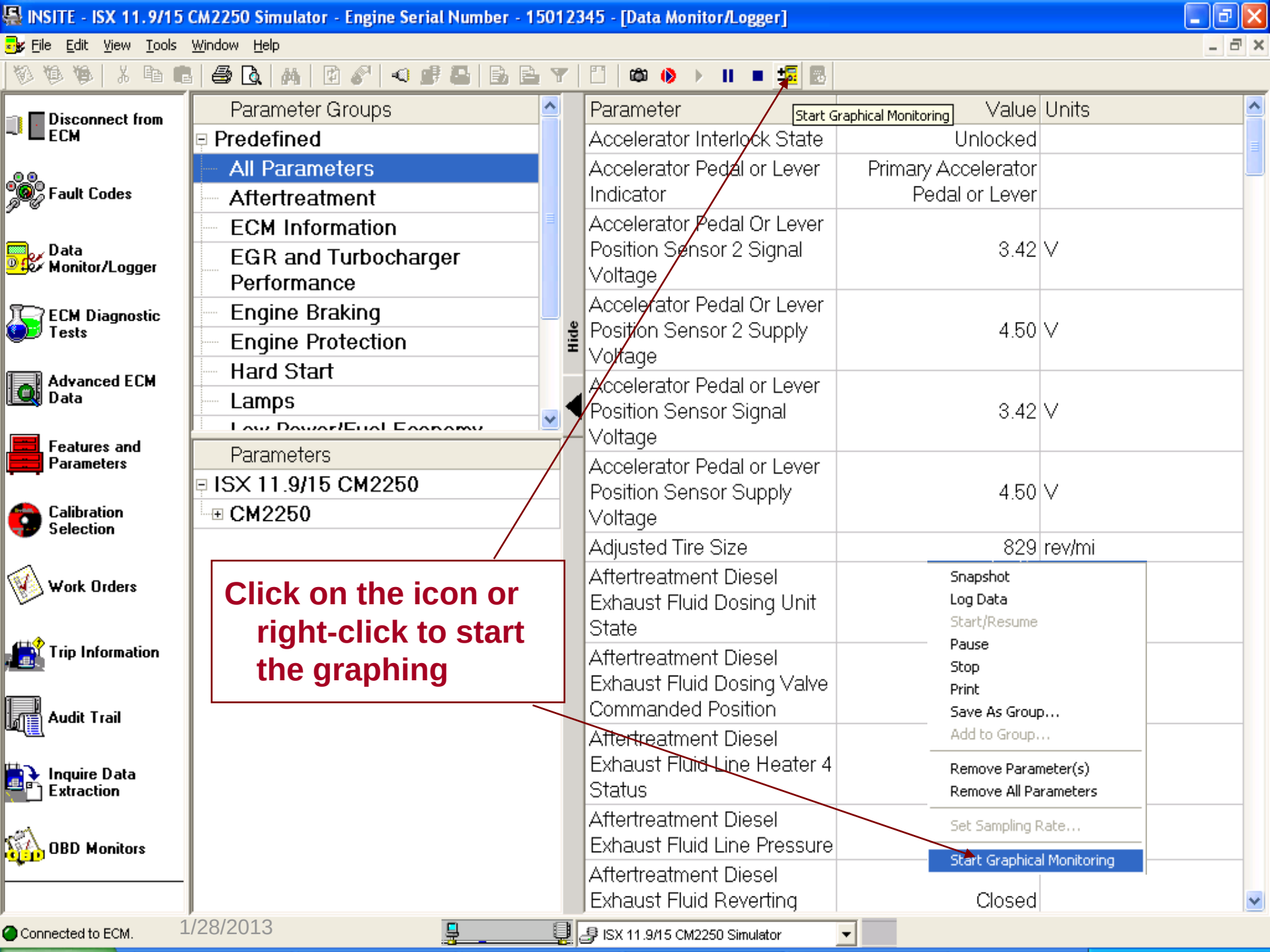
Data Monitor/Logging

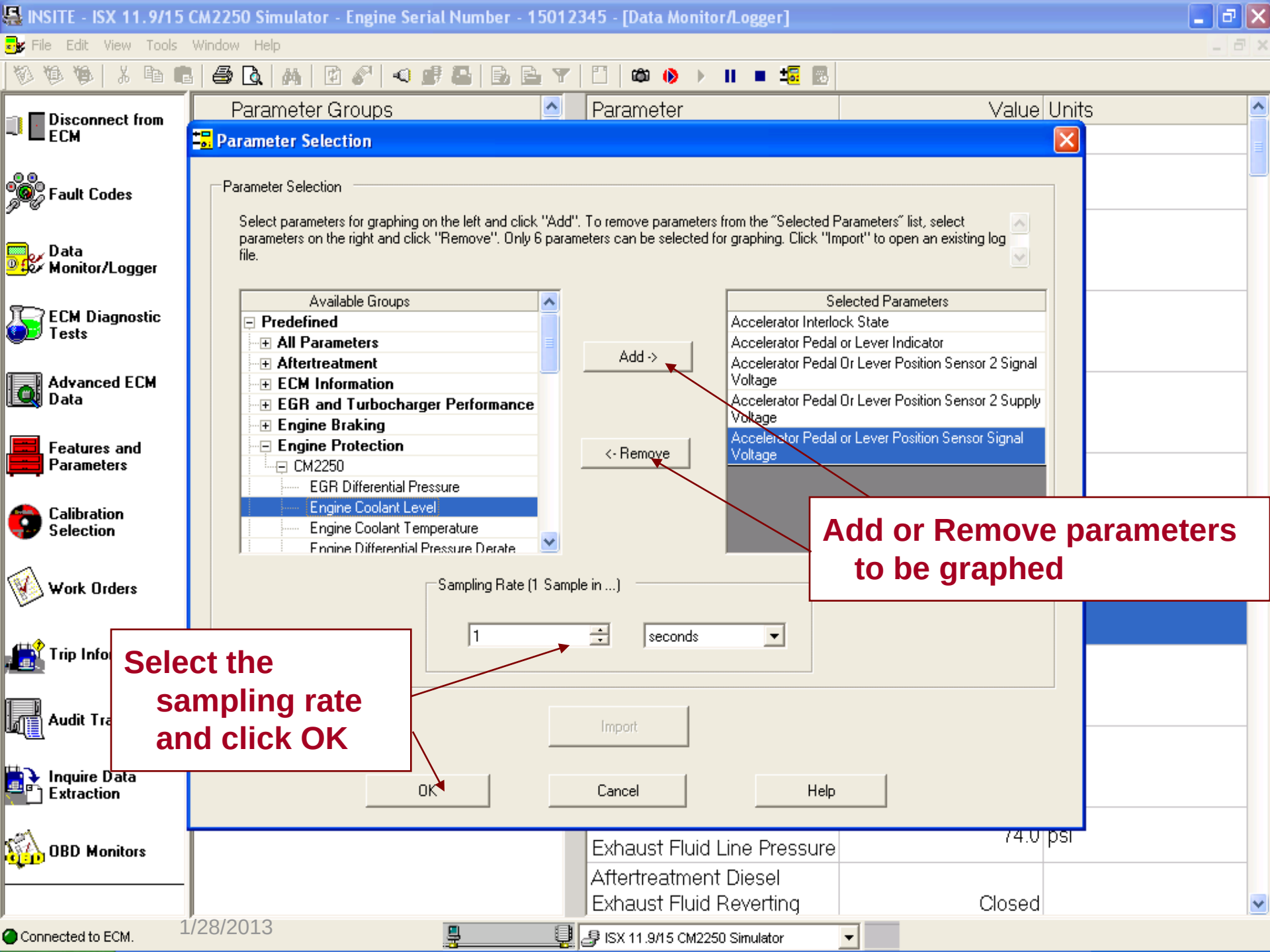
- An event can be marked while logging in the main Data Monitor / Logger screen, or when in Graphical Monitoring, by pressing the spacebar
- This provides the option to enable or disable the Event Marker as well as providing the option to create comments for event markers
- The Log file contains the Event Marker Description. For more information on Data Monitor/Logger, refer to Data Monitor logger module on slide 20.

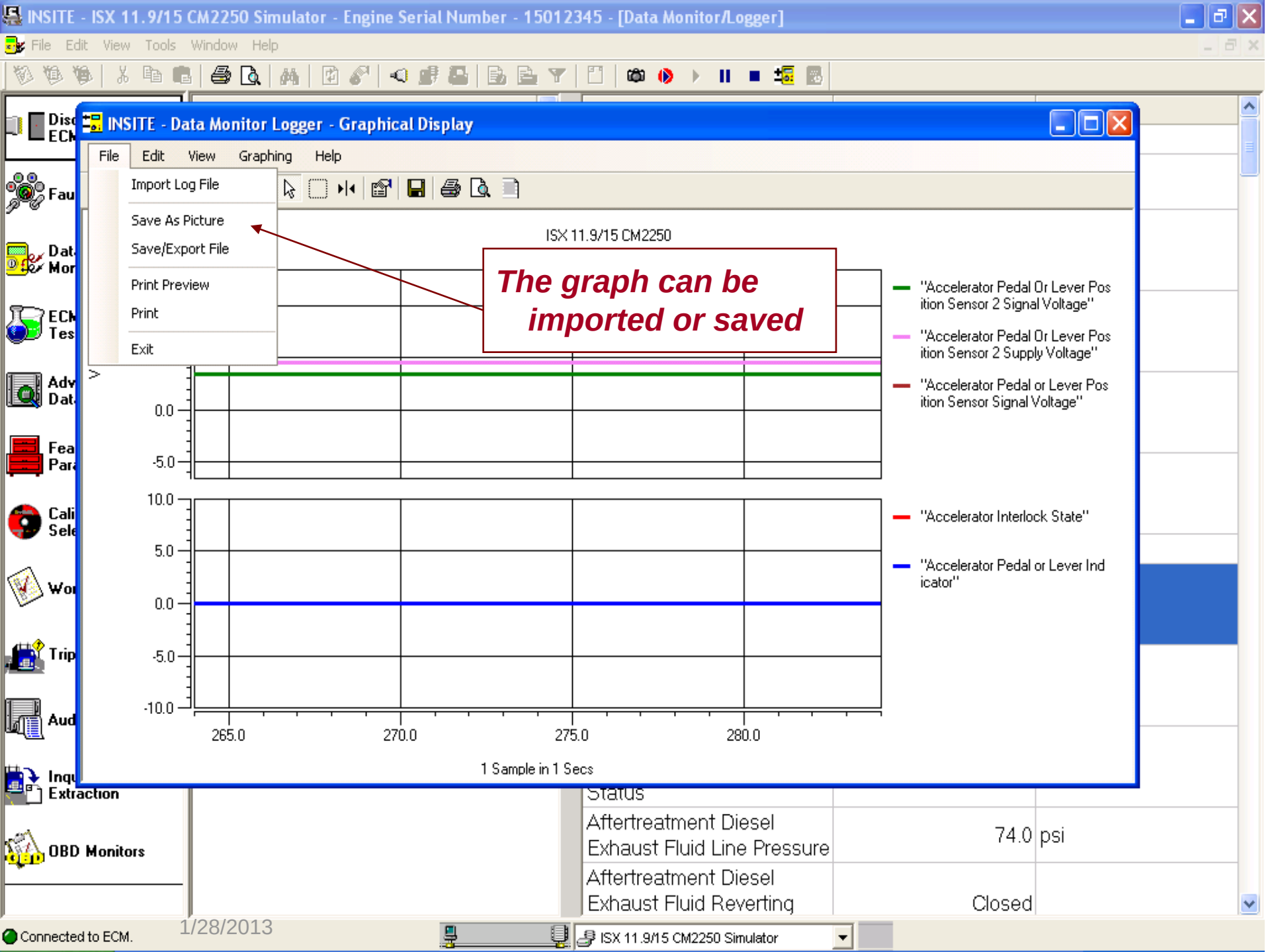

INSITE 7.6.0.267 - ISX 12/11.9/15 CM2250 Simulator - Engine Serial Number - 15012345 - ECM Code - CL10050.00
File Edit View Tools Window Help
Disconnect from ECM
Fault Codes
Data Monitor/Logger
ECM Diagnostic Tests
Advanced ECM Data
Features and Parameters
Calibration Selection
Work Orders
Trip Information
Audit Trail
Inquire Data Extraction
OBD Monitors
Parameter Groups
All Parameters
Aftertreatment
Aftertreatment - Diesel Particulate Filter
Aftertreatment - SCR
ECM Information
EGR Turbocharger Performance
Engine Braking
Engine Protection
Parameters
ECM Distance
ECM Real Time
ECM Time(Key On Time)
EGR Cooler Efficiency
EGR Differential Pressure
EGR Differential Pressure Sensor Signal Voltage
EGR Flow Derate
EGR Orifice Pressure
EGR Orifice Pressure Sensor Supply Voltage
EGR Temperature
EGR Temperature Sensor Signal Voltage
EGR Valve Position Commanded
Hide
Parameter
Value
Units
Minimum Measured
Maximum Measured
Aftertreatment Diesel Oxidation Catalyst Intake Temperature
168.9
C
168.9
168.9
Accelerator Interlock State
Unloc
Accelerator Pedal or Lever Position Sensor Supply Voltage
50
EGR Temperature
143.3
C
143.3
143.3
Data Monitor/Logger : Enter Event Description
Please enter your description below for: Event 6
Engine Surge
OK
Event Marker with numeric and user entered description
Connected to ECM.
ISX 12/11.9/15 CM2250 Simulator
Event #6

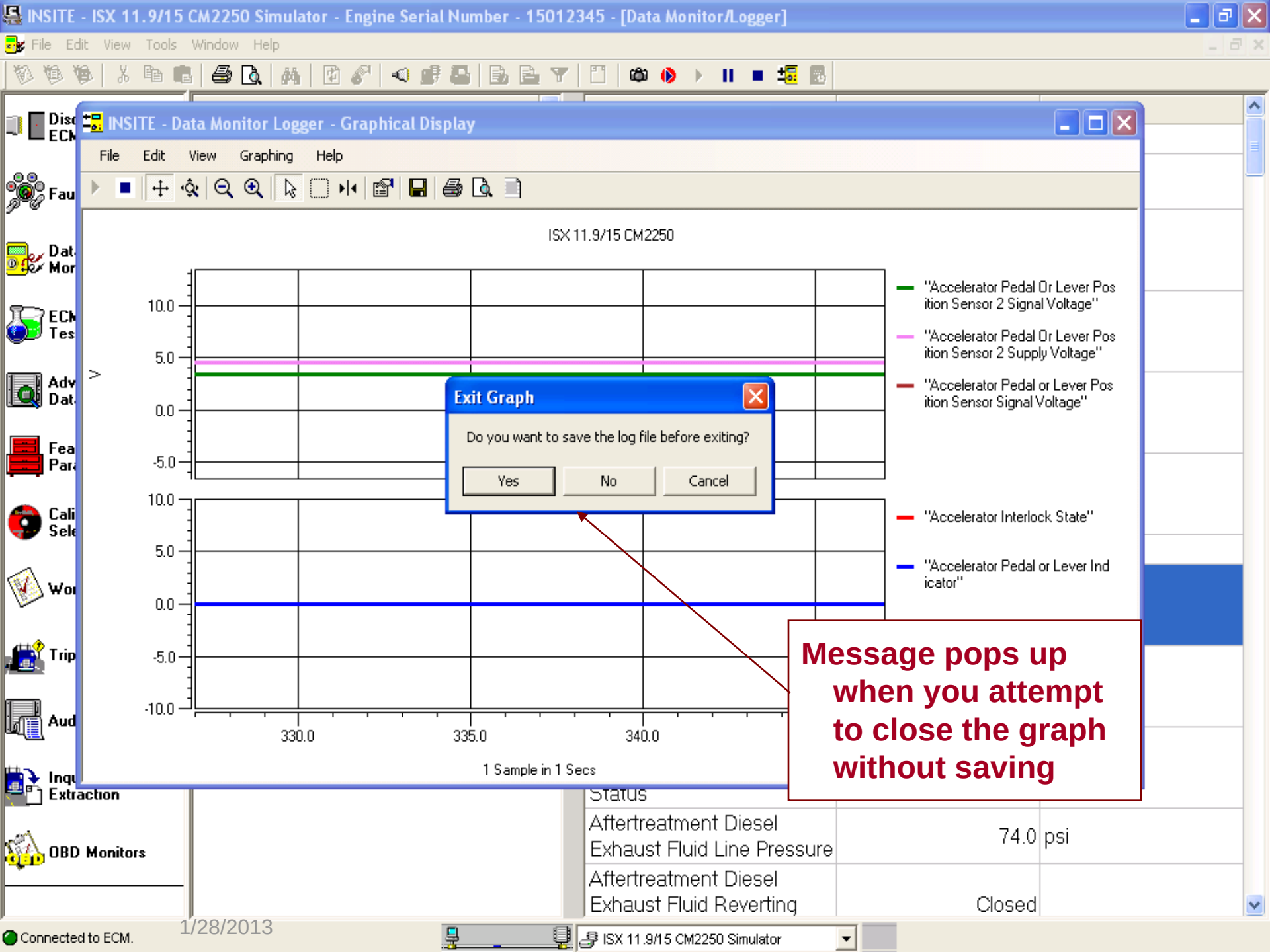
Data Monitor/Logger Graphical Monitoring

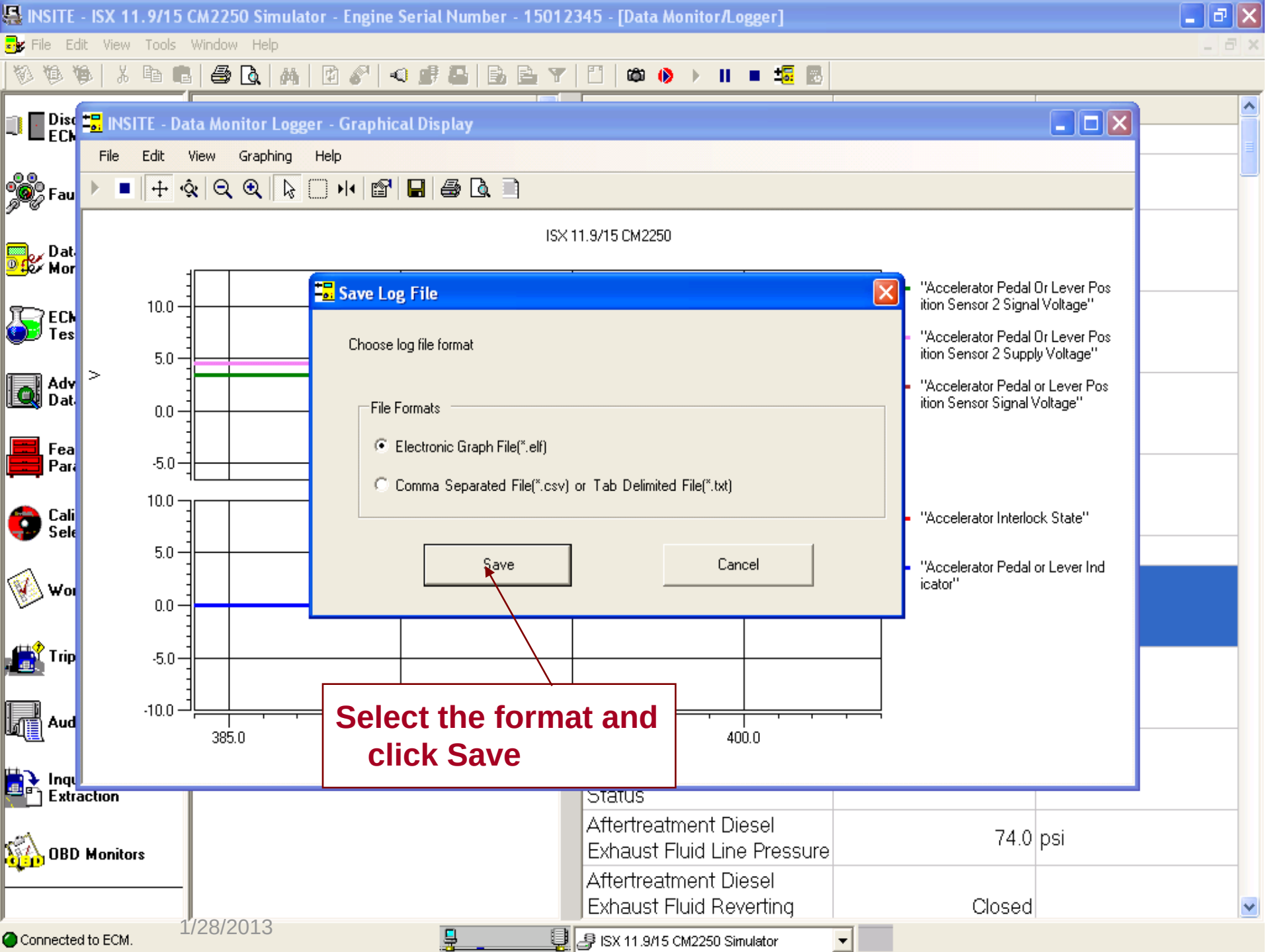
- Graphical Monitoring is a way to display, log, print, and save data for up to six parameters in a graph
- Graphical Monitoring visually monitors and plots multiple parameters into a graphical display


INSITE - ISX 11.9/15 CM2250 Simulator - Engine Serial Number - 15012345 - [Data Monitor/Logger]
File Edit View Tools Window Help
Disconnect from ECM
Fault Codes
Data Monitor/Logger
ECM Diagnostic Tests
Advanced ECM Data
Features and Parameters
Calibration Selection
Work Orders
Trip Information
Audit Trail
Inquire Data Extraction
OBD Monitors
Parameter Groups
Predefined
All Parameters
Aftertreatment
ECM Information
EGR and Turbocharger Performance
Engine Braking
Engine Protection
Hard Start
Lamps
Parameters
ISX 11.9/15 CM2250
CM2250
Hide
Start Graphical Monitoring
Parameter
Value
Units
Accelerator Interlock State
Unlocked
Accelerator Pedal or Lever Indicator
Primary Accelerator Pedal or Lever
Accelerator Pedal Or Lever Position Sensor 2 Signal Voltage
3.42 V
Accelerator Pedal Or Lever Position Sensor 2 Supply Voltage
4.50 V
Accelerator Pedal or Lever Position Sensor Signal Voltage
3.42 V
Accelerator Pedal or Lever Position Sensor Supply Voltage
4.50 V
Adjusted Tire Size
829 rev/mi
Aftertreatment Diesel Exhaust Fluid Dosing Unit State
Aftertreatment Diesel Exhaust Fluid Dosing Valve Commanded Position
Aftertreatment Diesel Exhaust Fluid Line Heater 4 Status
Aftertreatment Diesel Exhaust Fluid Line Pressure
Aftertreatment Diesel Exhaust Fluid Reverting
Closed
Snapshot
Log Data
Start/Resume
Pause
Stop
Print
Save As Group...
Add to Group...
Remove Parameter(s)
Remove All Parameters
Set Sampling Rate...
Start Graphical Monitoring
Click on the icon or right-click to start the graphing
Connected to ECM.
1/28/2013
ISX 11.9/15 CM2250 Simulator

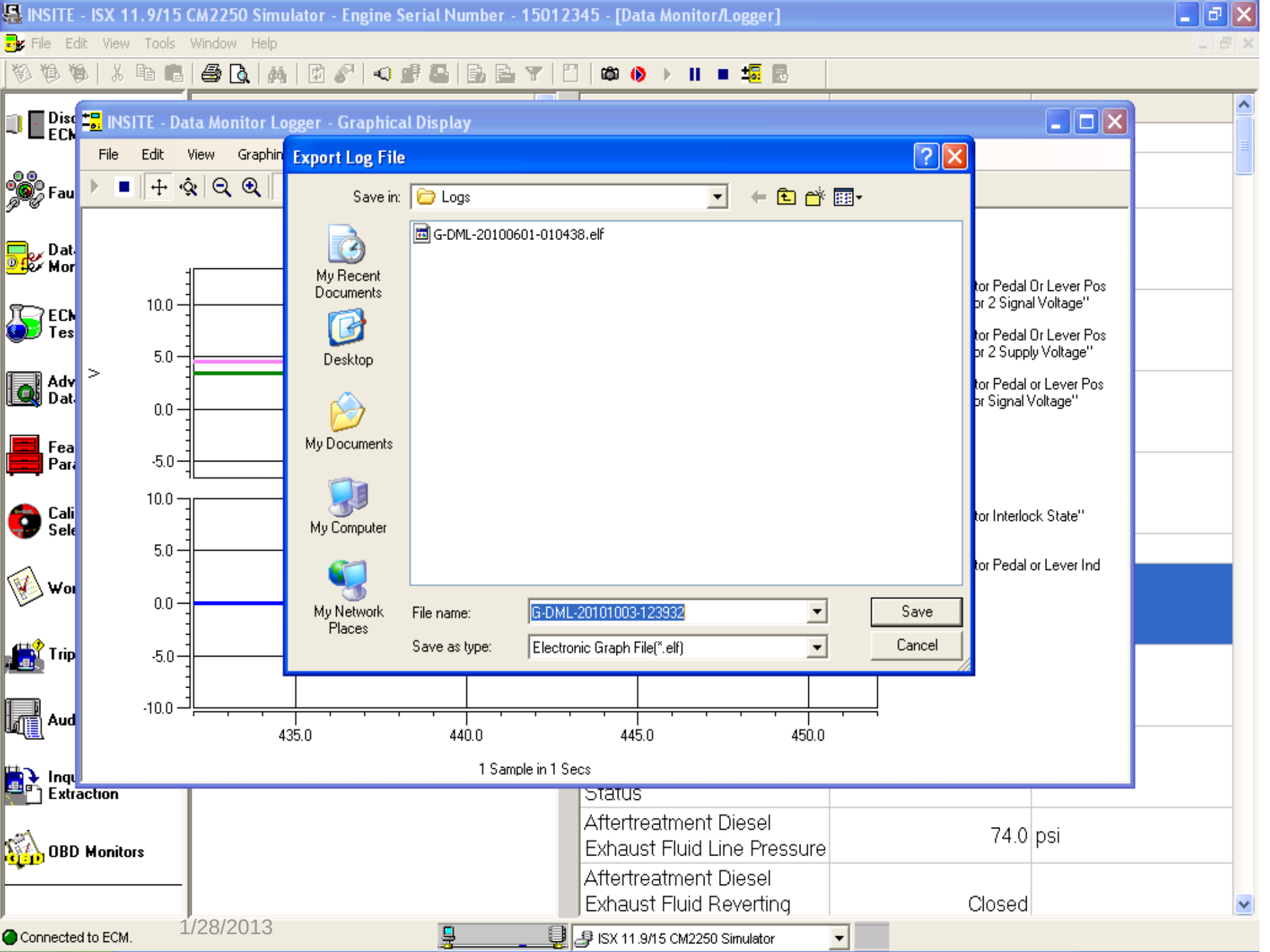

INSITE - ISX 11.9/15 CM2250 Simulator - Engine Serial Number - 15012345 - [Data Monitor/Logger]
File Edit View Tools Window Help
Disconnect from ECM
Fault Codes
Data Monitor/Logger
ECM Diagnostic Tests
Advanced ECM Data
Features and Parameters
Calibration Selection
Work Orders
Trip Info
Audit Tra
Inquire Data Extraction
OBD Monitors
Parameter Groups
Parameter
Value
Units
Parameter Selection
Parameter Selection
Select parameters for graphing on the left and click "Add". To remove parameters from the "Selected Parameters" list, select parameters on the right and click "Remove". Only 6 parameters can be selected for graphing. Click "Import" to open an existing log file.
Available Groups
Predefined
All Parameters
Aftertreatment
ECM Information
EGR and Turbocharger Performance
Engine Braking
Engine Protection
CM2250
EGR Differential Pressure
Engine Coolant Level
Engine Coolant Temperature
Engine Differential Pressure Derate
Add ->
<- Remove
Selected Parameters
Accelerator Interlock State
Accelerator Pedal or Lever Indicator
Accelerator Pedal Or Lever Position Sensor 2 Signal Voltage
Accelerator Pedal Or Lever Position Sensor 2 Supply Voltage
Accelerator Pedal or Lever Position Sensor Signal Voltage
Add or Remove parameters to be graphed
Sampling Rate (1 Sample in ...)
1
seconds
Select the sampling rate and click OK
Import
OK
Cancel
Help
Exhaust Fluid Line Pressure
74.0 psi
Aftertreatment Diesel Exhaust Fluid Reverting
Closed
Connected to ECM.
1/28/2013
ISX 11.9/15 CM2250 Simulator


INSITE - ISX 11.9/15 CM2250 Simulator - Engine Serial Number - 15012345 - [Data Monitor/Logger]
File Edit View Tools Window Help
INSITE - Data Monitor Logger - Graphical Display
File Edit View Graphing Help
Import Log File
Save As Picture
Save/Export File
Print Preview
Print
Exit
The graph can be imported or saved
ISX 11.9/15 CM2250
"Accelerator Pedal Or Lever Position Sensor 2 Signal Voltage"
"Accelerator Pedal Or Lever Position Sensor 2 Supply Voltage"
"Accelerator Pedal or Lever Position Sensor Signal Voltage"
"Accelerator Interlock State"
"Accelerator Pedal or Lever Indicator"
10.0
5.0
0.0
-5.0
-10.0
265.0
270.0
275.0
280.0
1 Sample in 1 Secs
Status
Aftertreatment Diesel Exhaust Fluid Line Pressure
74.0 psi
Aftertreatment Diesel Exhaust Fluid Reverting
Closed
OBD Monitors
Connected to ECM.
1/28/2013
ISX 11.9/15 CM2250 Simulator


INSITE - ISX 11.9/15 CM2250 Simulator - Engine Serial Number - 15012345 - [Data Monitor/Logger]
File Edit View Tools Window Help
INSITE - Data Monitor Logger - Graphical Display
File Edit View Graphing Help
ISX 11.9/15 CM2250
10.0
5.0
0.0
-5.0
10.0
5.0
0.0
-5.0
-10.0
330.0
335.0
340.0
1 Sample in 1 Secs
"Accelerator Pedal Or Lever Position Sensor 2 Signal Voltage"
"Accelerator Pedal Or Lever Position Sensor 2 Supply Voltage"
"Accelerator Pedal or Lever Position Sensor Signal Voltage"
"Accelerator Interlock State"
"Accelerator Pedal or Lever Indicator"
Exit Graph
Do you want to save the log file before exiting?
Yes
No
Cancel
Message pops up when you attempt to close the graph without saving
Status
Aftertreatment Diesel Exhaust Fluid Line Pressure
74.0 psi
Aftertreatment Diesel Exhaust Fluid Reverting
Closed
OBD Monitors
Connected to ECM.
1/28/2013
ISX 11.9/15 CM2250 Simulator


INSITE - ISX 11.9/15 CM2250 Simulator - Engine Serial Number - 15012345 - [Data Monitor/Logger]
File Edit View Tools Window Help
INSITE - Data Monitor Logger - Graphical Display
File Edit View Graphing Help
ISX 11.9/15 CM2250
Save Log File
Choose log file format
File Formats
Electronic Graph File(*.elf)
Comma Separated File(*.csv) or Tab Delimited File(*.txt)
Save
Cancel
"Accelerator Pedal Or Lever Position Sensor 2 Signal Voltage"
"Accelerator Pedal Or Lever Position Sensor 2 Supply Voltage"
"Accelerator Pedal or Lever Position Sensor Signal Voltage"
"Accelerator Interlock State"
"Accelerator Pedal or Lever Indicator"
10.0
5.0
0.0
-5.0
-10.0
385.0
400.0
Select the format and click Save
Status
Aftertreatment Diesel Exhaust Fluid Line Pressure
74.0 psi
Aftertreatment Diesel Exhaust Fluid Reverting
Closed
OBD Monitors
Connected to ECM.
ISX 11.9/15 CM2250 Simulator

1/28/2013

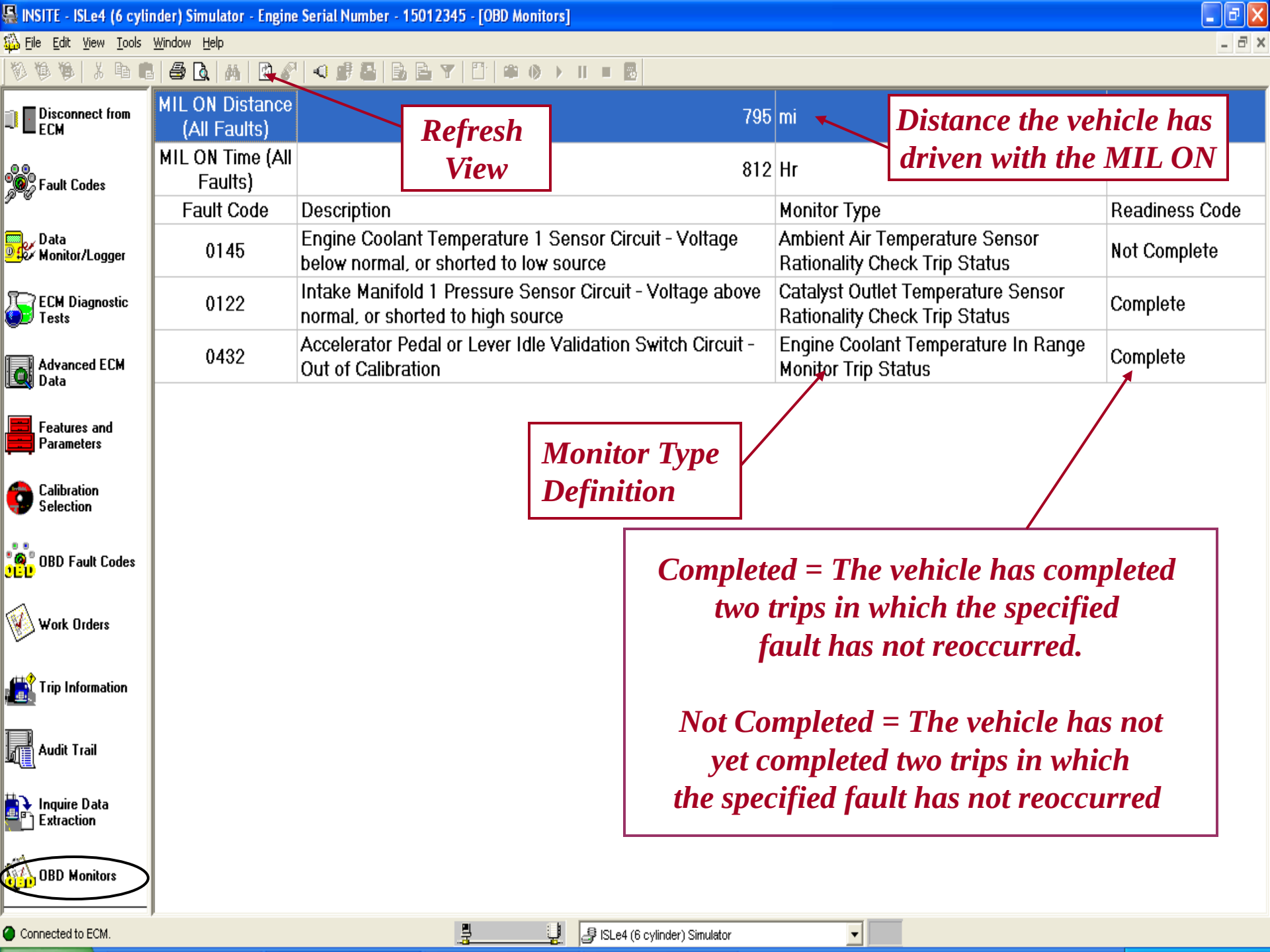

INSITE - ISX 11.9/15 CM2250 Simulator - Engine Serial Number - 15012345 - [Data Monitor/Logger]
File Edit View Tools Window Help
INSITE - Data Monitor Logger - Graphical Display
File Edit View Graphin
Export Log File
Save in: Logs
G-DML-20100601-010438.elf
My Recent Documents
Desktop
My Documents
My Computer
My Network Places
File name: G-DML-20101003-123932
Save as type: Electronic Graph File(*.elf)
Save
Cancel
10.0
5.0
0.0
-5.0
-10.0
435.0
440.0
445.0
450.0
1 Sample in 1 Secs
Status
Aftertreatment Diesel Exhaust Fluid Line Pressure
74.0 psi
Aftertreatment Diesel Exhaust Fluid Reverting
Closed
OBD Monitors
Connected to ECM.
1/28/2013
ISX 11.9/15 CM2250 Simulator

Data Monitor / Logger Wrap Up

- 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 is a way to display, log, print, and save data for up to six parameters in a graph

OBD Monitors

- The OBD system monitors components that can affect the emission performance of the vehicle
- 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


INSITE - ISLe4 (6 cylinder) Simulator - Engine Serial Number - 15012345 - [OBD Monitors]
File Edit View Tools Window Help
Disconnect from ECM
Fault Codes
Data Monitor/Logger
ECM Diagnostic Tests
Advanced ECM Data
Features and Parameters
Calibration Selection
OBD Fault Codes
Work Orders
Trip Information
Audit Trail
Inquire Data Extraction
OBD Monitors
MIL ON Distance (All Faults) 795 mi
MIL ON Time (All Faults) 812 Hr
Fault Code | Description | Monitor Type | Readiness Code
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
0432 | Accelerator Pedal or Lever Idle Validation Switch Circuit - Out of Calibration | Engine Coolant Temperature In Range Monitor Trip Status | Complete
Refresh View
Distance the vehicle has driven with the MIL ON
Monitor Type Definition
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
Connected to ECM.
ISLe4 (6 cylinder) Simulator

You have concluded this section of the training.

Please click to the next slide and continue or Click Here to return to the Table of Content.

INSITE™ ECM Diagnostic Tests and Advanced ECM Data

Electronic Service Tools

Innovation You Can Depend On™

ECM Diagnostic Tests

- ECM Diagnostic Tests window displays tests available for the connected engine

- Each Engine supports different ECM Diagnostic Tests

INSITE - Signature/ISX - CM870 Simulator - Engine Serial Number - E5012345 - [ECM Diagnostic Tests]

File Edit View Tools Window Help

- Disconnect from ECM
- Fault Codes
- Data Monitor/Logger
- ECM Diagnostic Tests
- Advanced ECM Data
- Features and Parameters
- Calibration Selection
- OBD Fault Codes
- Work Orders
- Trip Information
- Audit Trail
- Inquire Data Extraction

Welcome to the ECM Diagnostic Tests Wizard.

This wizard helps you through the steps needed to run an ECM Diagnostic Test.

To continue, select a test from the list below and press the Next button.

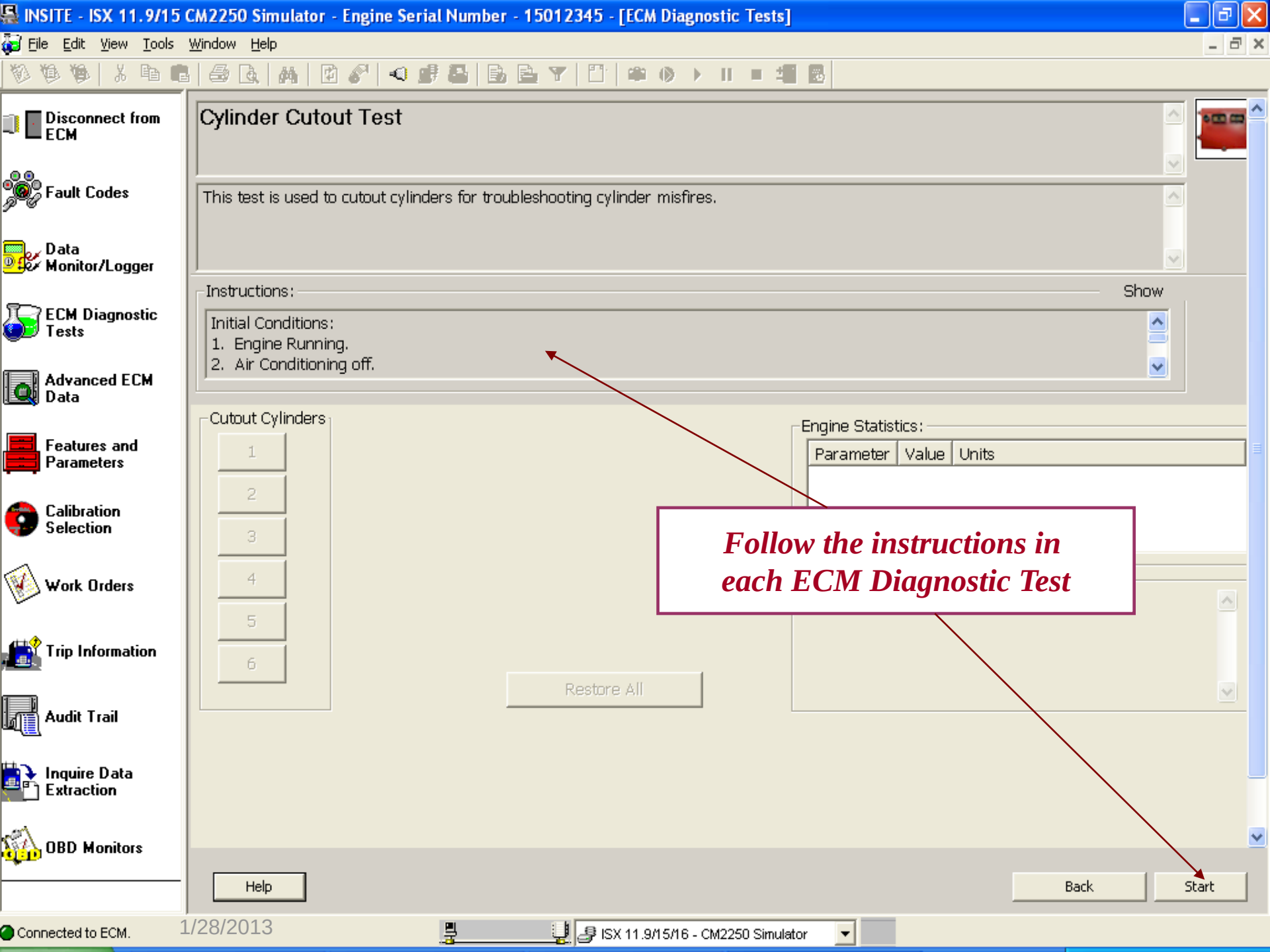
- Centinel Operational Test
- Cylinder Cutout Test
- Cylinder Performance Test
- EGR Valve / Turbocharger Operational Test
- EGR Valve Test
- Engine State Monitor
- Fan Override Test
- Injector Check Valve Diagnostics Test
- SAE J1939 Datalink Control Test
- Setup for Dynamometer
- Turbocharger Actuator Test

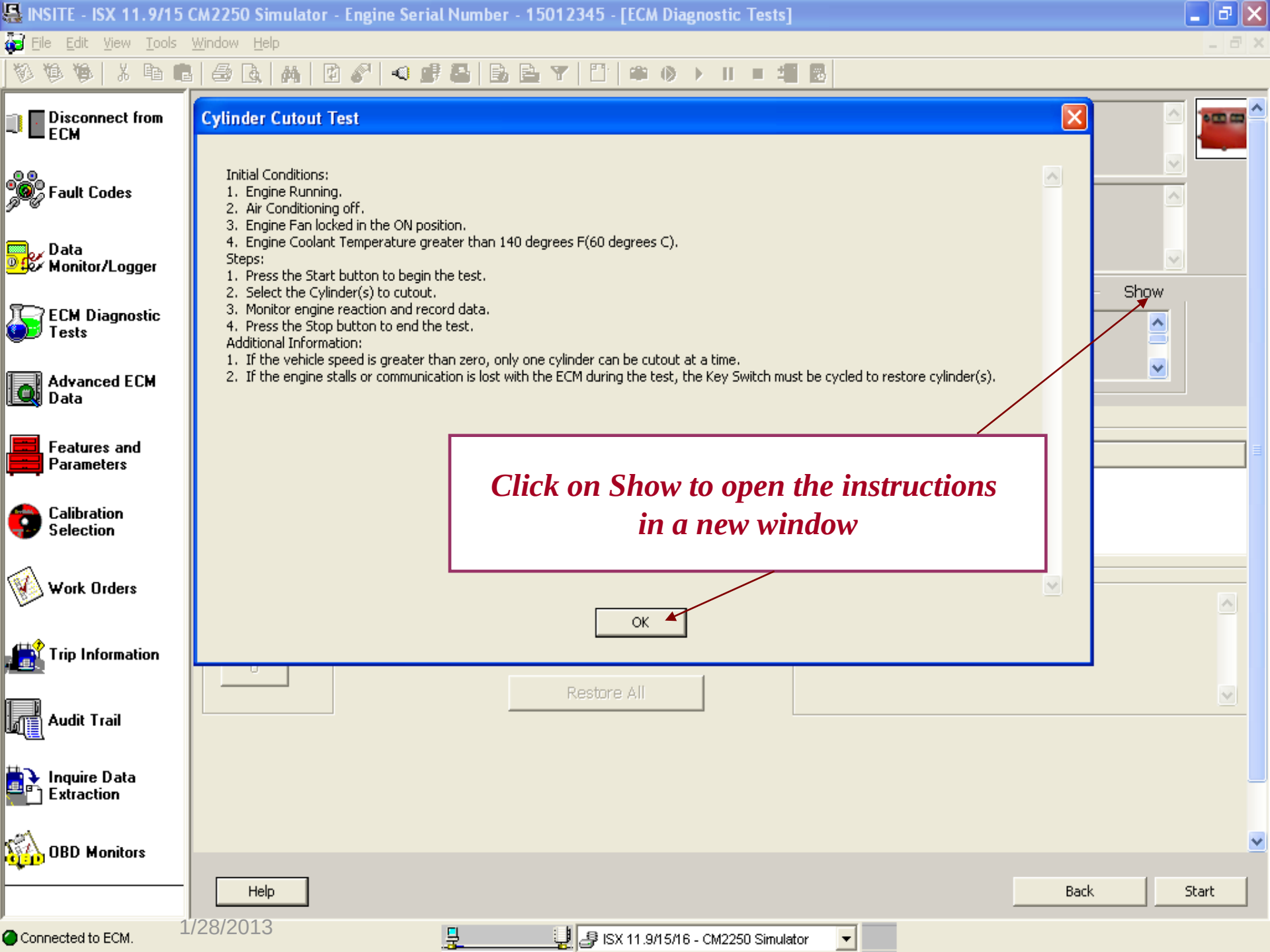
Double Click the test or

Select the ECM Diagnostic Test and then click Next

Help Back Next

Connected to ECM. Signature/ISX - CM870 Simulator


INSITE - ISX 11.9/15 CM2250 Simulator - Engine Serial Number - 15012345 - [ECM Diagnostic Tests]
File Edit View Tools Window Help
Disconnect from ECM
Fault Codes
Data Monitor/Logger
ECM Diagnostic Tests
Advanced ECM Data
Features and Parameters
Calibration Selection
Work Orders
Trip Information
Audit Trail
Inquire Data Extraction
OBD Monitors
Cylinder Cutout Test
This test is used to cutout cylinders for troubleshooting cylinder misfires.
Instructions:
Show
Initial Conditions:
1. Engine Running.
2. Air Conditioning off.
Cutout Cylinders
1
2
3
4
5
6
Restore All
Engine Statistics:
Parameter
Value
Units
Follow the instructions in each ECM Diagnostic Test
Help
Back
Start
Connected to ECM.
1/28/2013
ISX 11.9/15/16 - CM2250 Simulator


INSITE - ISX 11.9/15 CM2250 Simulator - Engine Serial Number - 15012345 - [ECM Diagnostic Tests]
File Edit View Tools Window Help
Disconnect from ECM
Fault Codes
Data Monitor/Logger
ECM Diagnostic Tests
Advanced ECM Data
Features and Parameters
Calibration Selection
Work Orders
Trip Information
Audit Trail
Inquire Data Extraction
OBD Monitors
Cylinder Cutout Test
Initial Conditions:
1. Engine Running.
2. Air Conditioning off.
3. Engine Fan locked in the ON position.
4. Engine Coolant Temperature greater than 140 degrees F(60 degrees C).
Steps:
1. Press the Start button to begin the test.
2. Select the Cylinder(s) to cutout.
3. Monitor engine reaction and record data.
4. Press the Stop button to end the test.
Additional Information:
1. If the vehicle speed is greater than zero, only one cylinder can be cutout at a time.
2. If the engine stalls or communication is lost with the ECM during the test, the Key Switch must be cycled to restore cylinder(s).
OK
Click on Show to open the instructions in a new window
Show
Restore All
Help
Back
Start
Connected to ECM.
ISX 11.9/15/16 - CM2250 Simulator

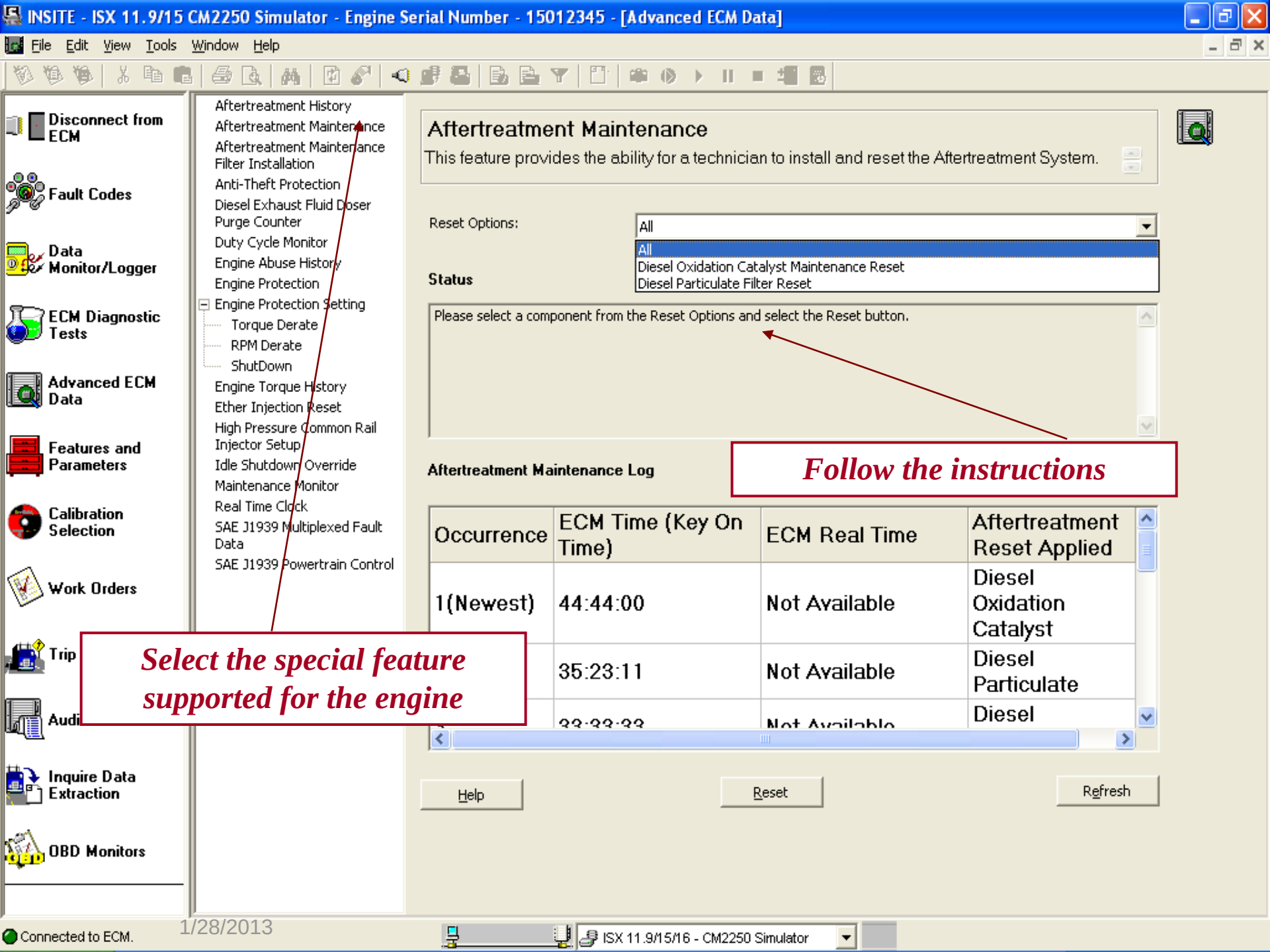
ECM Diagnostic Tests Wrap Up

- Each Engine supports different ECM Diagnostic Tests
- Follow the directions of each test carefully

Advanced ECM Data

- Advanced ECM Data window displays the special features available for the connected engine

- Each Engine supports different special features


INSITE - ISX 11.9/15 CM2250 Simulator - Engine Serial Number - 15012345 - [Advanced ECM Data]
File Edit View Tools Window Help
Disconnect from ECM
Fault Codes
Data Monitor/Logger
ECM Diagnostic Tests
Advanced ECM Data
Features and Parameters
Calibration Selection
Work Orders
Trip
Audi
Inquire Data Extraction
OBD Monitors
Aftertreatment History
Aftertreatment Maintenance
Aftertreatment Maintenance Filter Installation
Anti-Theft Protection
Diesel Exhaust Fluid Doser Purge Counter
Duty Cycle Monitor
Engine Abuse History
Engine Protection
Engine Protection Setting
Torque Derate
RPM Derate
ShutDown
Engine Torque History
Ether Injection Reset
High Pressure Common Rail Injector Setup
Idle Shutdown Override
Maintenance Monitor
Real Time Clock
SAE J1939 Multiplexed Fault Data
SAE J1939 Powertrain Control
Aftertreatment Maintenance
This feature provides the ability for a technician to install and reset the Aftertreatment System.
Reset Options:
All
All
Diesel Oxidation Catalyst Maintenance Reset
Diesel Particulate Filter Reset
Status
Please select a component from the Reset Options and select the Reset button.
Follow the instructions
Aftertreatment Maintenance Log
Occurrence
ECM Time (Key On Time)
ECM Real Time
Aftertreatment Reset Applied
1(Newest)
44:44:00
Not Available
Diesel Oxidation Catalyst
35:23:11
Not Available
Diesel Particulate
Diesel
Help
Reset
Refresh
Select the special feature supported for the engine
Connected to ECM.
1/28/2013
ISX 11.9/15/16 - CM2250 Simulator

Advanced ECM Data Wrap Up

- Each Engine supports different special features
- Follow the directions of each feature carefully

You have concluded this section of the training.

Please click to the next slide and continue or Click Here to return to the Table of Content.

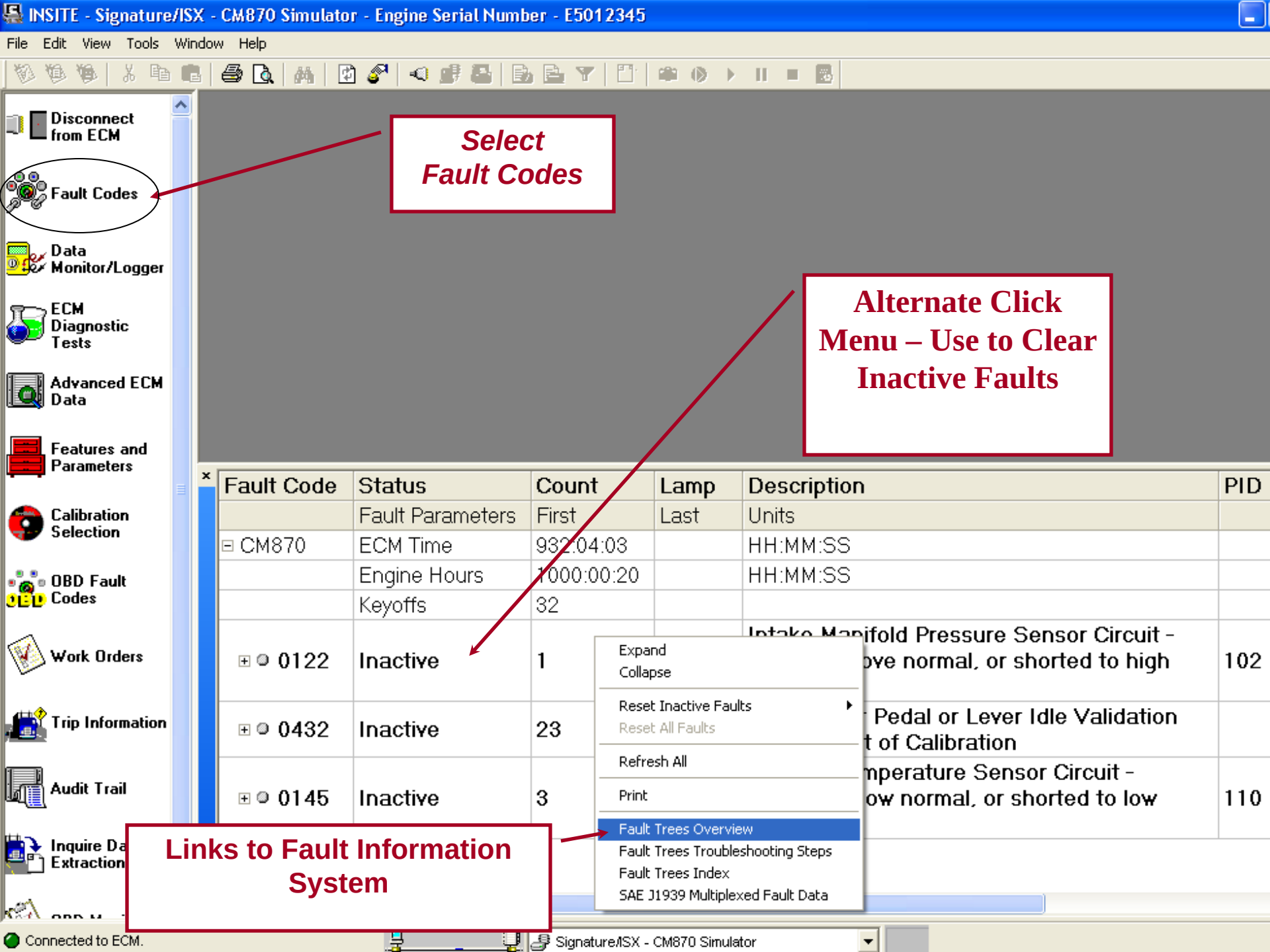
INSITE™ Fault Codes

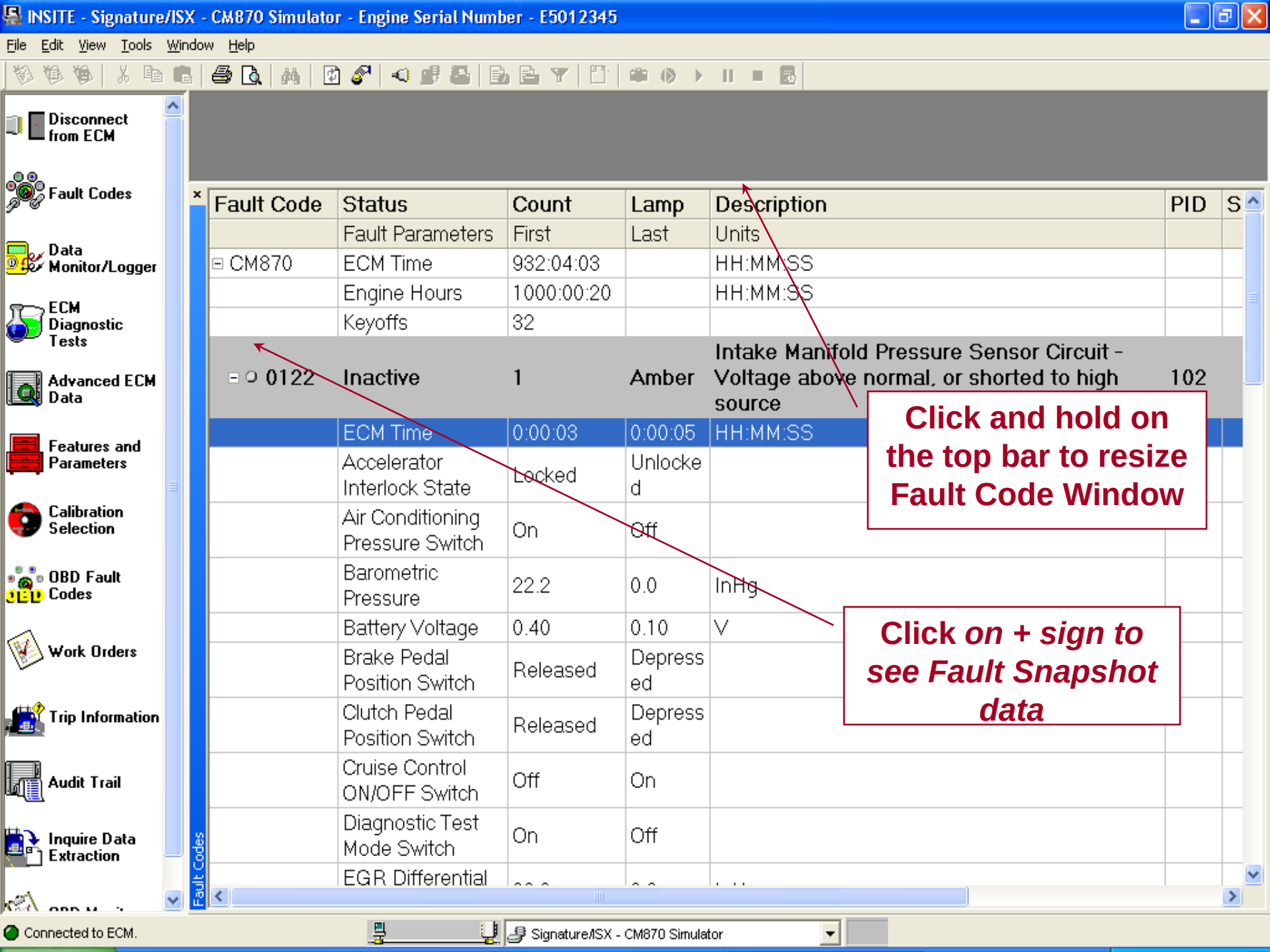
Electronic Service Tools

Innovation You Can Depend On™

Fault Codes

- Fault Codes window displays an engine's fault data
- Fault Codes include both engine faults and engine protection faults
- Each fault is represented by a Cummins fault code
  - Indicates a specific malfunction or abnormal condition within the controller, subsystem, or engine
- Ability to link to Fault Information System for Troubleshooting Information


INSITE - Signature/ISX - CM870 Simulator - Engine Serial Number - E5012345
File Edit View Tools Window Help
Disconnect from ECM
Fault Codes
Data Monitor/Logger
ECM Diagnostic Tests
Advanced ECM Data
Features and Parameters
Calibration Selection
OBD Fault Codes
Work Orders
Trip Information
Audit Trail
Select Fault Codes
Alternate Click Menu – Use to Clear Inactive Faults
Fault Code
Status
Count
Lamp
Description
PID
Fault Parameters
First
Last
Units
CM870
ECM Time
Engine Hours
Keyoffs
0122
Inactive
1
0432
Inactive
23
0145
Inactive
3
Expand
Collapse
Reset Inactive Faults
Reset All Faults
Refresh All
Print
Fault Trees Overview
Fault Trees Troubleshooting Steps
Fault Trees Index
SAE J1939 Multiplexed Fault Data
Links to Fault Information System
Connected to ECM.
Signature/ISX - CM870 Simulator


INSITE - Signature/ISX - CM870 Simulator - Engine Serial Number - E5012345
File Edit View Tools Window Help
Disconnect from ECM
Fault Codes
Data Monitor/Logger
ECM Diagnostic Tests
Advanced ECM Data
Features and Parameters
Calibration Selection
OBD Fault Codes
Work Orders
Trip Information
Audit Trail
Inquire Data Extraction
Fault Code | Status | Count | Lamp | Description | PID | S
Fault Parameters | First | Last | Units
CM870 | ECM Time | 932:04:03 | HH:MM:SS
Engine Hours | 1000:00:20 | HH:MM:SS
Keyoffs | 32
0122 | Inactive | 1 | Amber | Intake Manifold Pressure Sensor Circuit - Voltage above normal, or shorted to high source | 102
ECM Time | 0:00:03 | 0:00:05 | HH:MM:SS
Accelerator Interlock State | Locked | Unlocked
Air Conditioning Pressure Switch | On | Off
Barometric Pressure | 22.2 | 0.0 | InHg
Battery Voltage | 0.40 | 0.10 | V
Brake Pedal Position Switch | Released | Depressed
Clutch Pedal Position Switch | Released | Depressed
Cruise Control ON/OFF Switch | Off | On
Diagnostic Test Mode Switch | On | Off
EGR Differential
Fault Codes
Click and hold on the top bar to resize Fault Code Window
Click on + sign to see Fault Snapshot data
Connected to ECM.
Signature/ISX - CM870 Simulator

Signature and ISX CM870 (FIS4021334)

Hide Back Forward Refresh Print

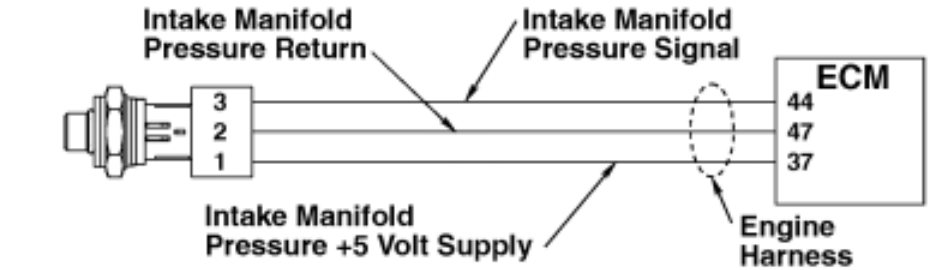
Contents Search Favorites

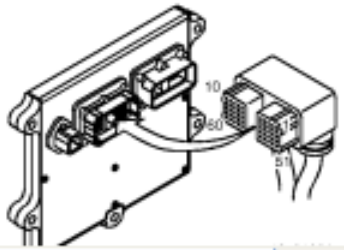
- Troubleshooting
  - (70-fc111) E
  - (70-fc122) I
  - (70-fc123) I
  - (70-fc131) A
  - (70-fc132) A
  - (70-fc133) R
  - (70-fc134) R
  - (70-fc135) E
  - (70-fc141) E
  - (70-fc143) E
  - (70-fc144) C
  - (70-fc145) C
  - (70-fc151) E
  - (70-fc153) I
  - (70-fc154) I
  - (70-fc155) I
  - (70-fc187) S
  - (70-fc195) E
  - (70-fc195-2
  - (70-fc195-3
  - (70-fc196) E
  - (70-fc196-2
  - (70-fc196-3
  - (70-fc197) E
  - (70-fc212) C
  - (70-fc213) C
  - (70-fc214) E
  - (70-fc219) C

Overview

CODE	REASON	EFFECT
Fault Code: 122 PID: P102 SPN: 102 FMI: 3/3 LAMP: Amber SRT:	Intake Manifold Pressure Sensor Circuit - shorted high. High signal voltage detected at the intake manifold pressure circuit.	Engine power derate

Intake Manifold Pressure Sensor Circuit





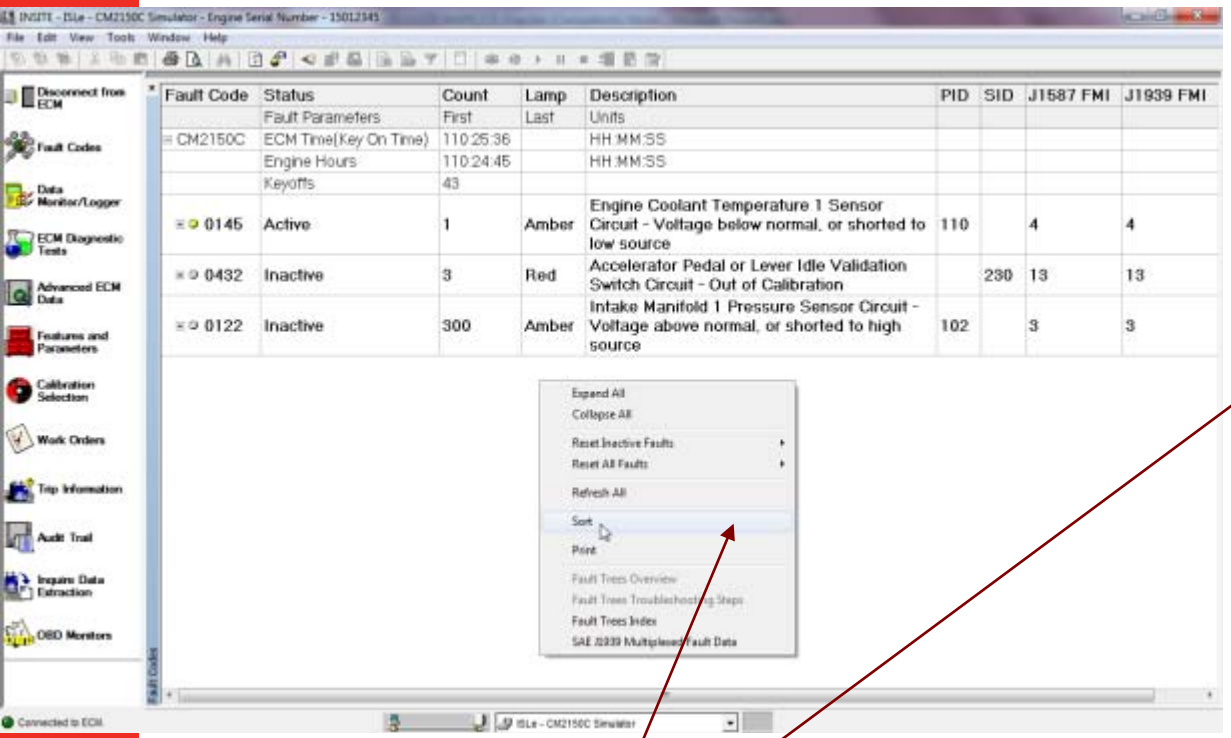
Fault Codes Sorting

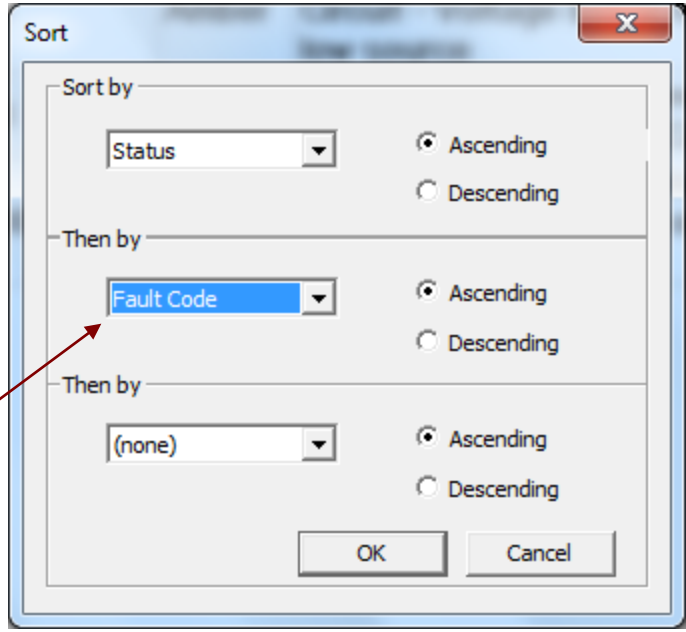
- Fault Codes can be sorted by either the column, or by right click for multiple column sorting
- The Fault Code data can be sorted by clicking on the column header for a single column sort
- The data will be sorted based on the selected column in ascending order. Click on the column header again to resort the data in descending order

Note: *Sorting can only be used on the Fault Code, Status, Count, or Lamp columns*

Back to What's New Agenda

Fault Codes Sorting





Right- click to select Sort and sort by options

Fault Codes Wrap Up

- Fault Codes window shows active and inactive Fault Codes
- Alternate click
  - Link to Fault Information System for Troubleshooting information
  - Clear Inactive Faults
- Links to Troubleshooting available in the Fault Information System

You have concluded this section of the training.

Please click to the next slide and continue or Click Here to return to the Table of Content.

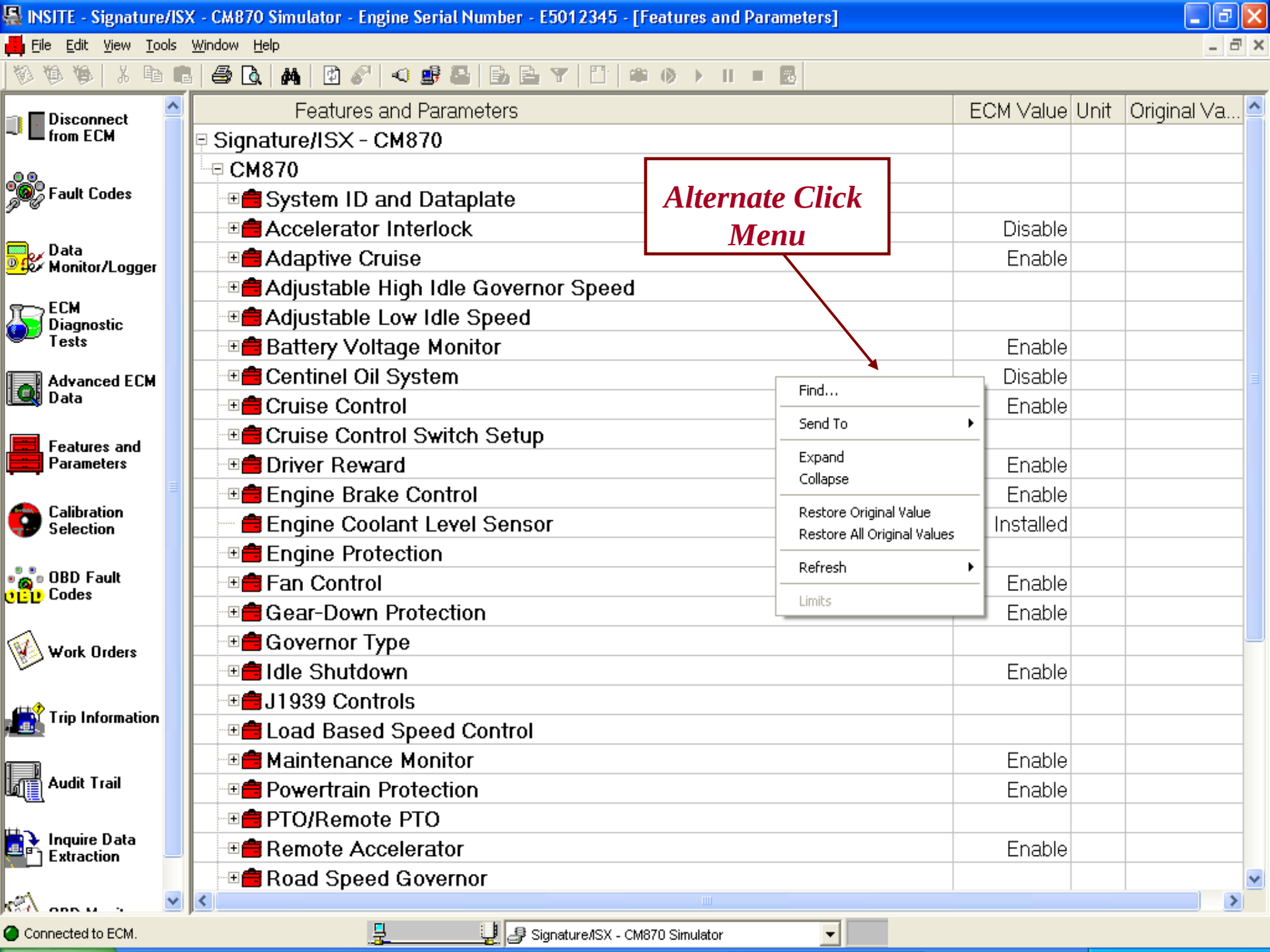
INSITE™ Features and Parameters

Electronic Service Tools

Innovation You Can Depend On™

Features and Parameters

- Allows licensed user to make changes to ECM settings
- Each Engine family may have a unique set of Available Features and Parameters
- Parameters are a subset of Features
- INSITE™ lists Features and Parameters in one view - allowing multiple adjustments at once


INSITE - Signature/ISX - CM870 Simulator - Engine Serial Number - E5012345 - [Features and Parameters]
File Edit View Tools Window Help
Disconnect from ECM
Fault Codes
Data Monitor/Logger
ECM Diagnostic Tests
Advanced ECM Data
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Audit Trail
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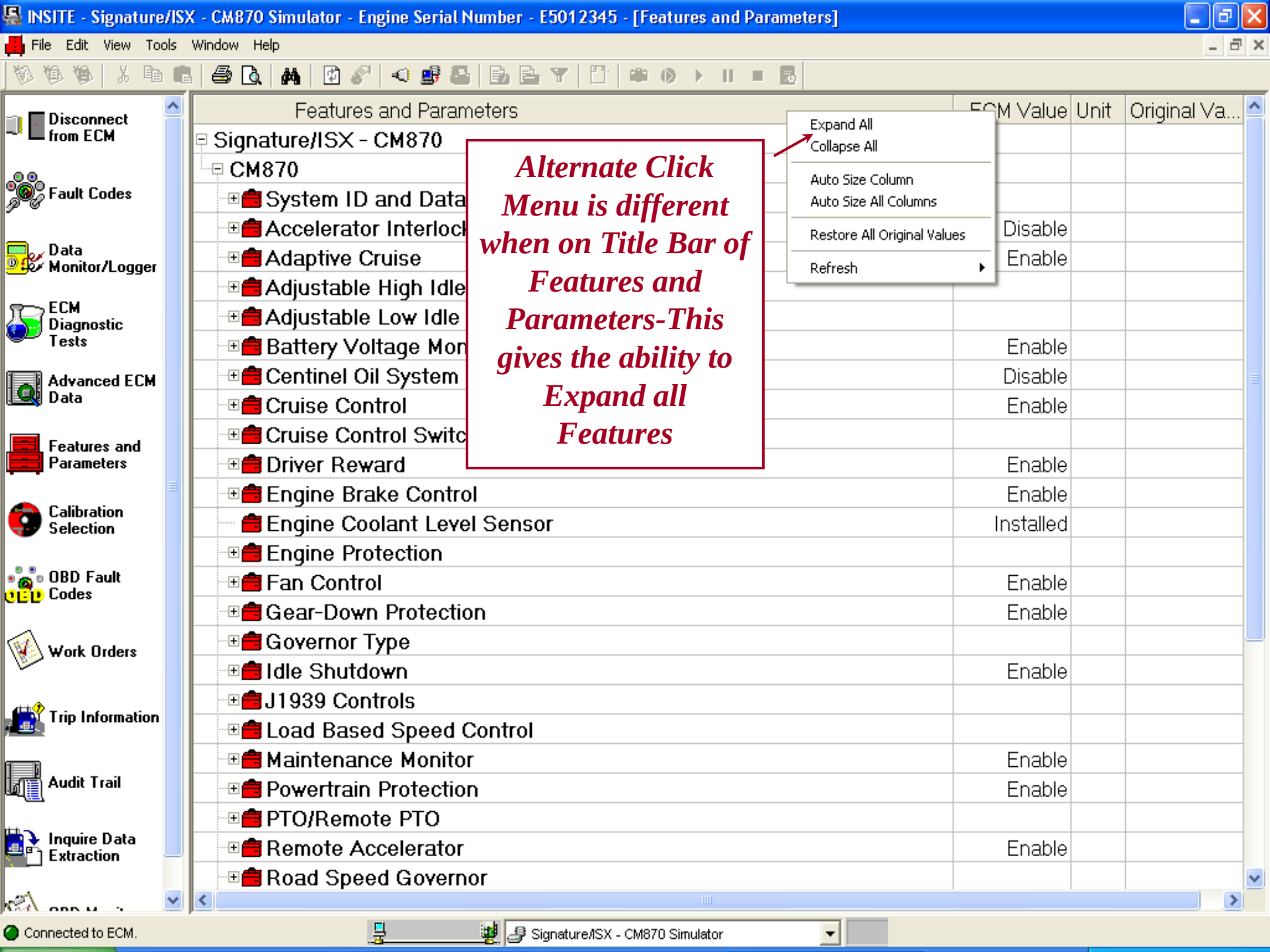
Features and Parameters
ECM Value
Unit
Original Va...
Signature/ISX - CM870
CM870
System ID and Dataplate
Accelerator Interlock
Disable
Adaptive Cruise
Enable
Adjustable High Idle Governor Speed
Adjustable Low Idle Speed
Battery Voltage Monitor
Enable
Centinel Oil System
Disable
Cruise Control
Enable
Cruise Control Switch Setup
Driver Reward
Enable
Engine Brake Control
Enable
Engine Coolant Level Sensor
Installed
Engine Protection
Fan Control
Enable
Gear-Down Protection
Enable
Governor Type
Idle Shutdown
Enable
J1939 Controls
Load Based Speed Control
Maintenance Monitor
Enable
Powertrain Protection
Enable
PTO/Remote PTO
Remote Accelerator
Enable
Road Speed Governor
Alternate Click Menu
Find...
Send To
Expand
Collapse
Restore Original Value
Restore All Original Values
Refresh
Limits
Connected to ECM.
Signature/ISX - CM870 Simulator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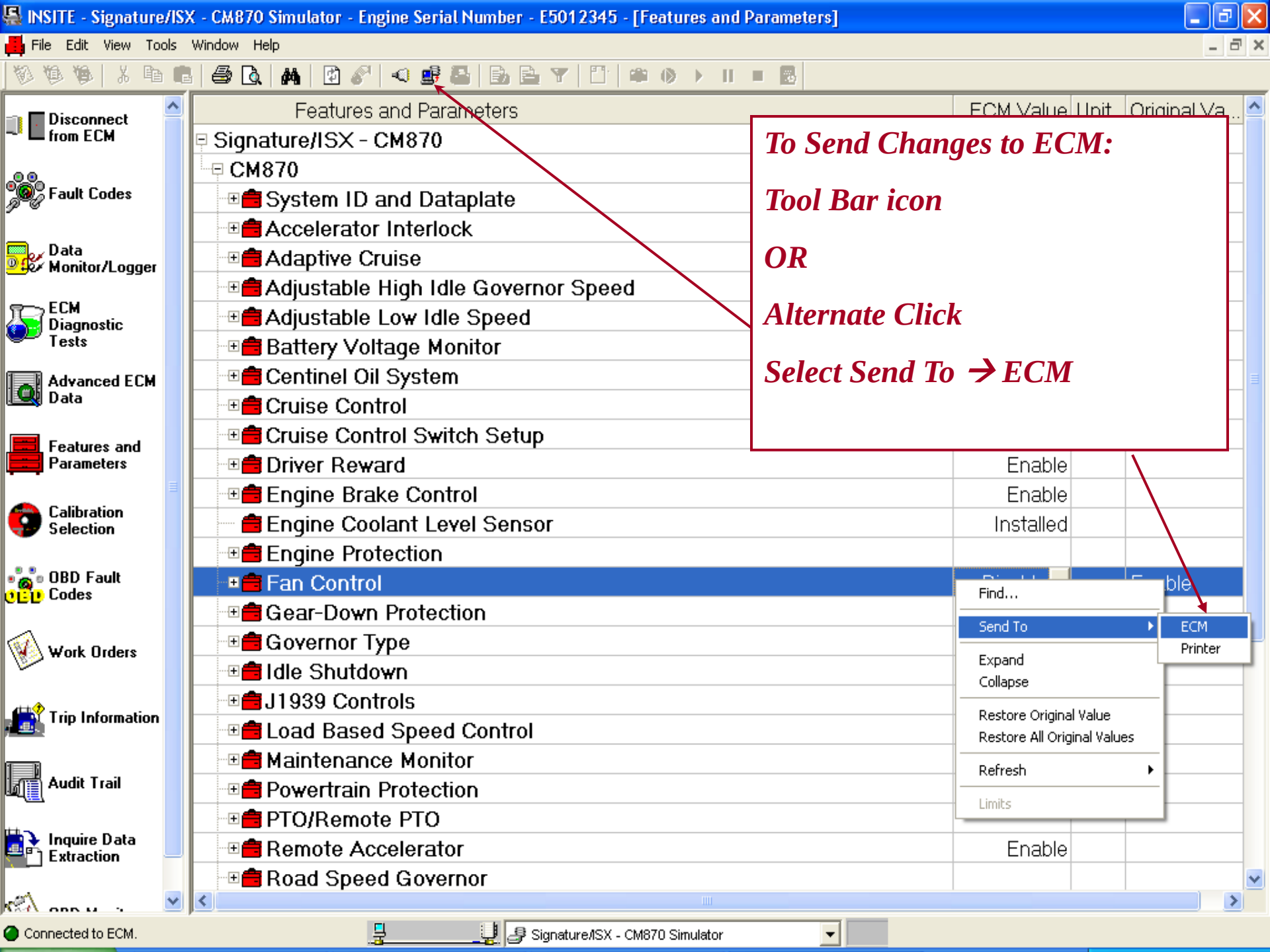
Signature/ISX - CM870
CM870
System ID and Data
Accelerator Interlock
Adaptive Cruise
Adjustable High Idle
Adjustable Low Idle
Battery Voltage Mon
Centinel Oil System
Cruise Control
Cruise Control Switc
Driver Reward
Engine Brake Control
Engine Coolant Level Sensor
Engine Protection
Fan Control
Gear-Down Protection
Governor Type
Idle Shutdown
J1939 Controls
Load Based Speed Control
Maintenance Monitor
Powertrain Protection
PTO/Remote PTO
Remote Accelerator
Road Speed Governor
Disable
Enable
Enable
Enable
Disable
Enable
Enable
Enable
Enable
Installed
Enable
Enable
Enable
Enable
Enable
Enable
Expand All
Collapse All
Auto Size Column
Auto Size All Columns
Restore All Original Values
Refresh
Alternate Click Menu is different when on Title Bar of Features and Parameters-This gives the ability to Expand all Features
Connected to ECM.
Signature/ISX - CM870 Simulator


INSITE - Signature/ISX - CM870 Simulator - Engine Serial Number - E5012345 - [Features and Parameters]
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Cruise Control Switch Setup
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Enable
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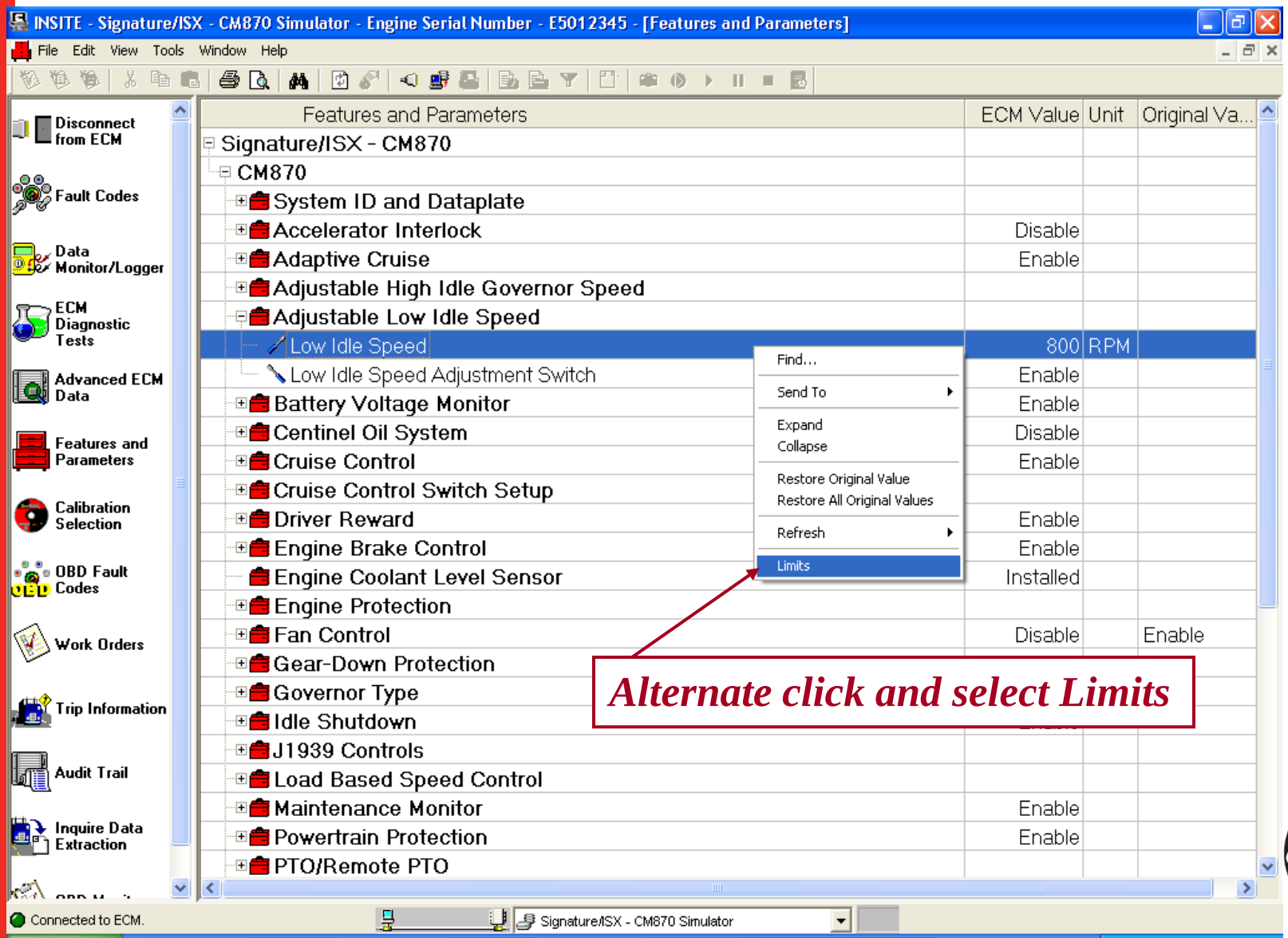
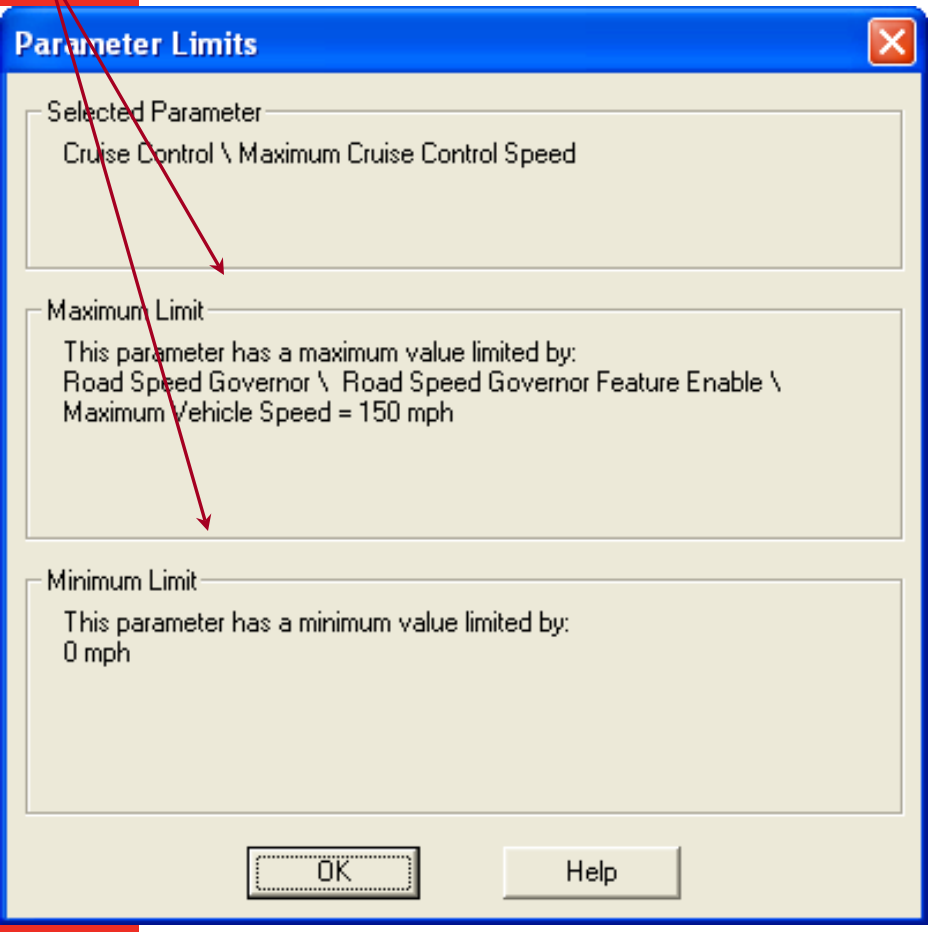
Enable
Engine Coolant Level Sensor
Installed
Engine Protection
Fan Control
Gear-Down Protection
Governor Type
Idle Shutdown
J1939 Controls
Load Based Speed Control
Maintenance Monitor
Powertrain Protection
PTO/Remote PTO
Remote Accelerator
Enable
Road Speed Governor
To Send Changes to ECM:
Tool Bar icon
OR
Alternate Click
Select Send To → ECM
Find...
Send To
ECM
Printer
Expand
Collapse
Restore Original Value
Restore All Original Values
Refresh
Limits
Connected to ECM.
Signature/ISX - CM870 Simulator

Check Limits

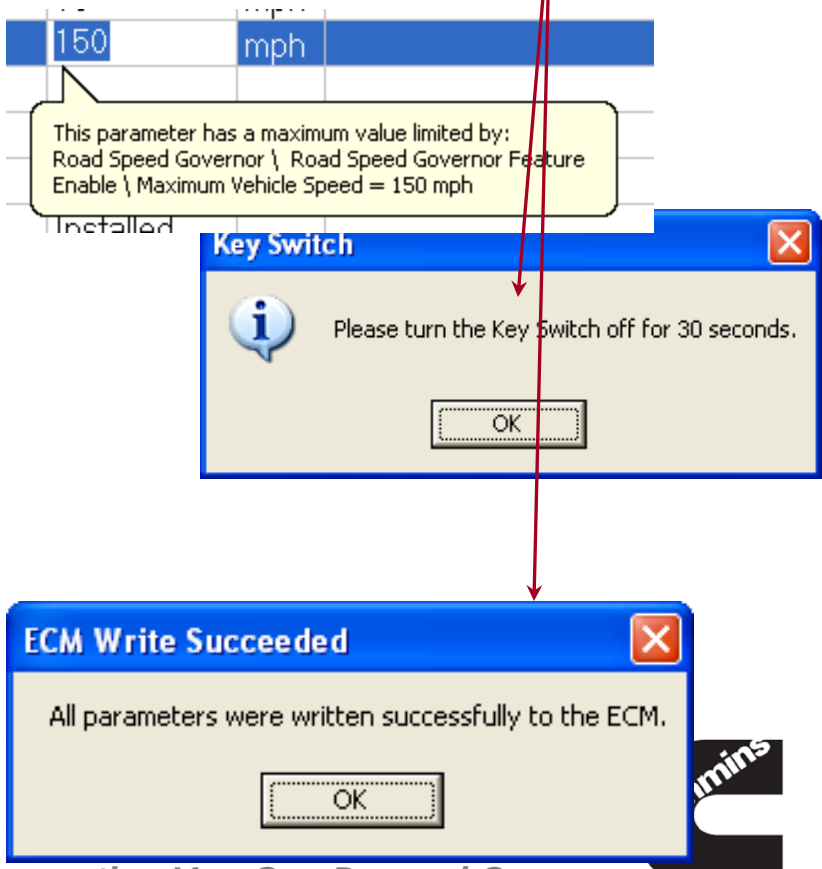


Features and Parameters

Limits



Send to ECM prompts



Features and Parameters Wrap Up

- Multiple adjustments can be made at once
- Tool Tips help in adjusting parameters
- Alternate Click
  - Ability to search using Alternate Click Menu
  - Send changes to ECM
  - View Limits of a parameter
  - Expand all parameters when alternate click on title bar of Features and Parameters

You have concluded this section of the training.

Please click to the next slide and continue or Click Here to return to the Table of Content.

INSITE™ Inquire Data Extraction

Electronic Service Tools

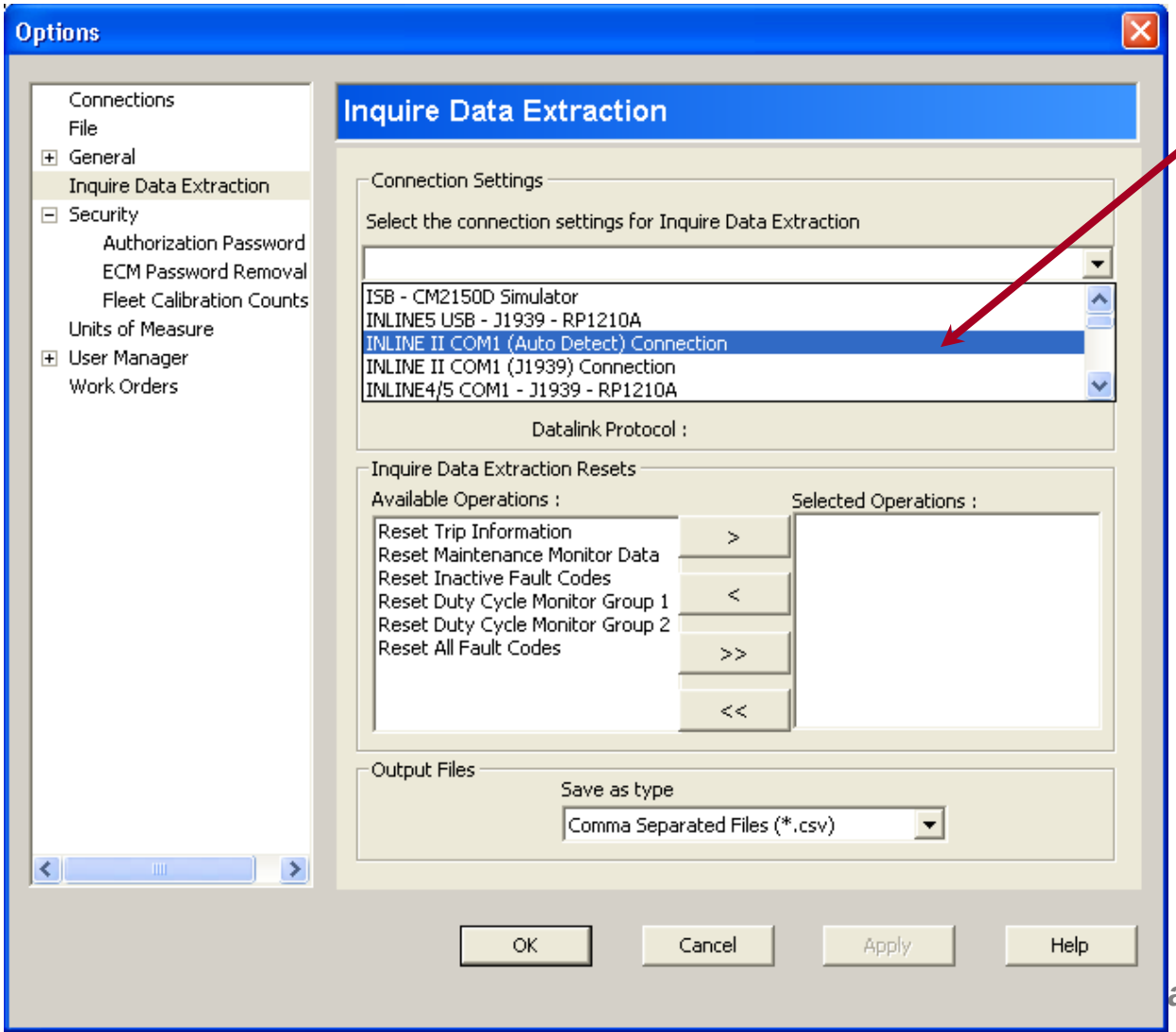
Innovation You Can Depend On™

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

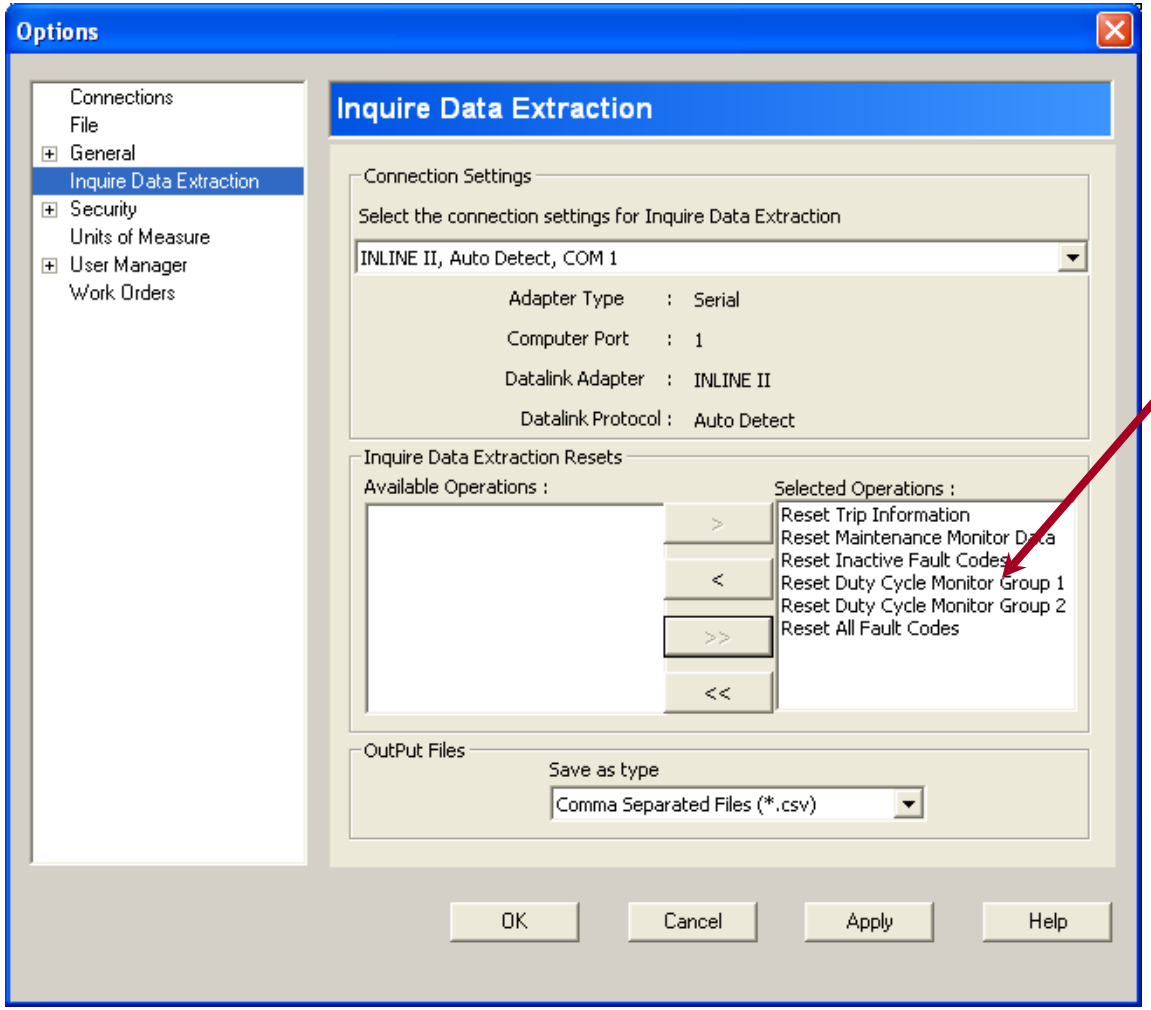
Inquire Data Extraction

Tools → Options

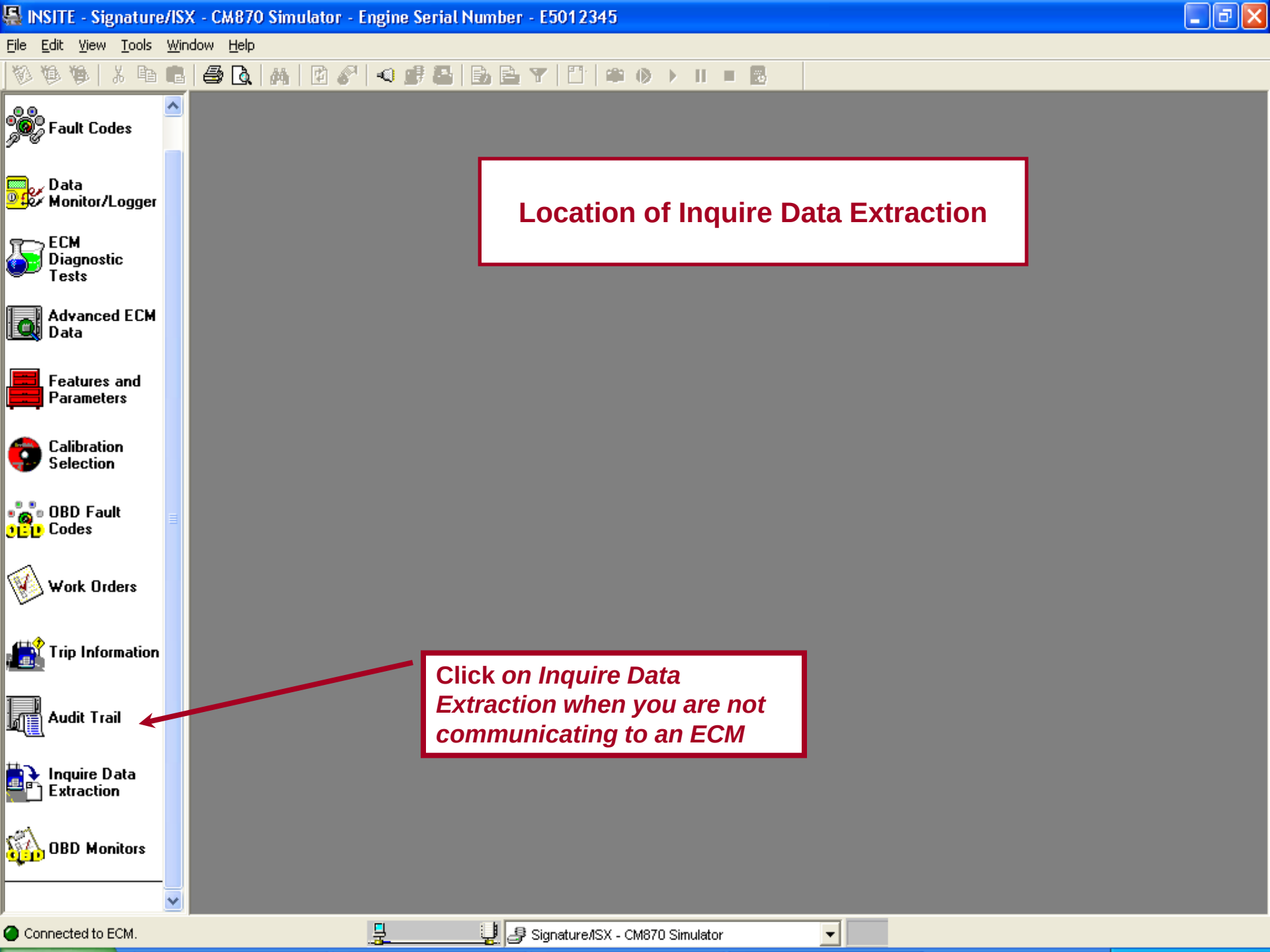


Select the connection

Inquire Data Extraction



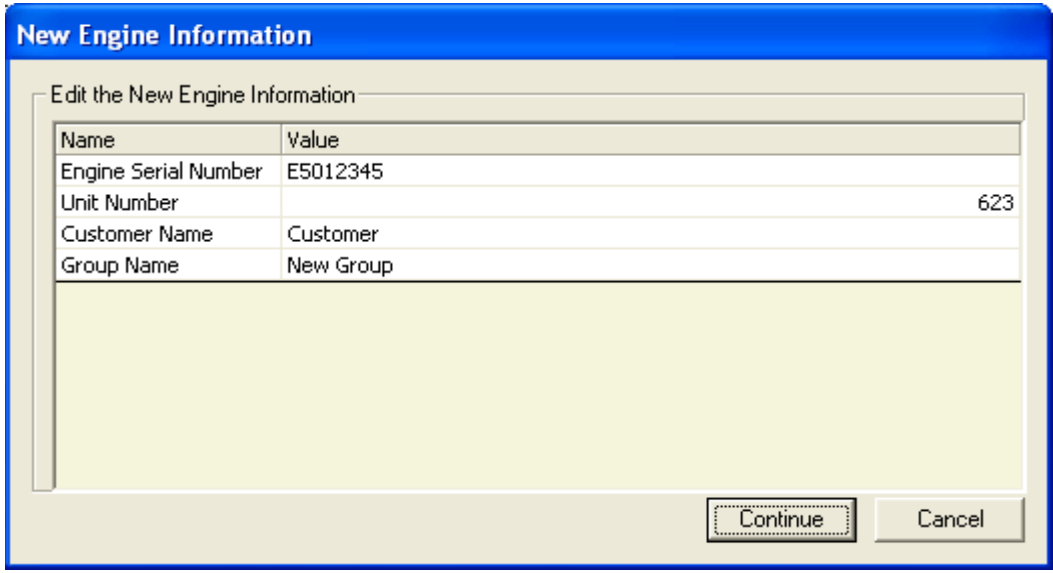
Select Operations


INSITE - Signature/ISX - CM870 Simulator - Engine Serial Number - E5012345
File Edit View Tools Window Help
Fault Codes
Data Monitor/Logger
ECM Diagnostic Tests
Advanced ECM Data
Features and Parameters
Calibration Selection
OBD Fault Codes
Work Orders
Trip Information
Audit Trail
Inquire Data Extraction
OBD Monitors
Location of Inquire Data Extraction
Click on Inquire Data Extraction when you are not communicating to an ECM
Connected to ECM.
Signature/ISX - CM870 Simulator

Inquire Data Extraction

1st Time Engine Extract

- Vehicle information Listed
- Can be customized for easier identification



INSITE - Inquire Data Extraction

Inquire Data Extraction Status

Current Connection Configuration :

Connection Name : Signature/ISX - CM870 Simulator
Computer Port : 1
Datalink Adapter : N/A
Datalink Protocol : N/A
(To change the settings click on 'Options' button)

Please connect to a vehicle

0 %

Vehicle Properties :

Group Name	Engine Serial Number	Unit Number	Customer Name
New Group			
Vehicle	**E5012345**	**623**	**Customer**
IE5012345_0_20040720105757.csv			
IE5012345_0_20040720110242.csv			
IE5012345_0_20040720110310.csv			
IE5012345_0_20040720110447.csv			
Vehicle	**15012345**	**UNIT001**	**Customer**
I15012345_0_20040720110415.csv			
I15012345_0_20040720110529.csv			
Vehicle	**307662884**	**QSKG**	**Customer**
I307662884_0_20040720110654.csv			
I307662884_1_20040720110656.csv			
I307662884_2_20040720110659.csv			

Inquire Data Extraction

Connect | Close | Options | Help

Inquire Data Extraction Wrap Up

- Excellent 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

You have concluded this section of the training.

Please click to the next slide and continue or Click Here to return to the Table of Content.

INSITE™ Installation and Tool – ECM – User Security

Electronic Service Tools

Innovation You Can Depend On™

Agenda

- Installation/Auto Run
- Tool Security
- Start Up
- Tools Options
- ECM Security
- User Manager
- Roll Back Option

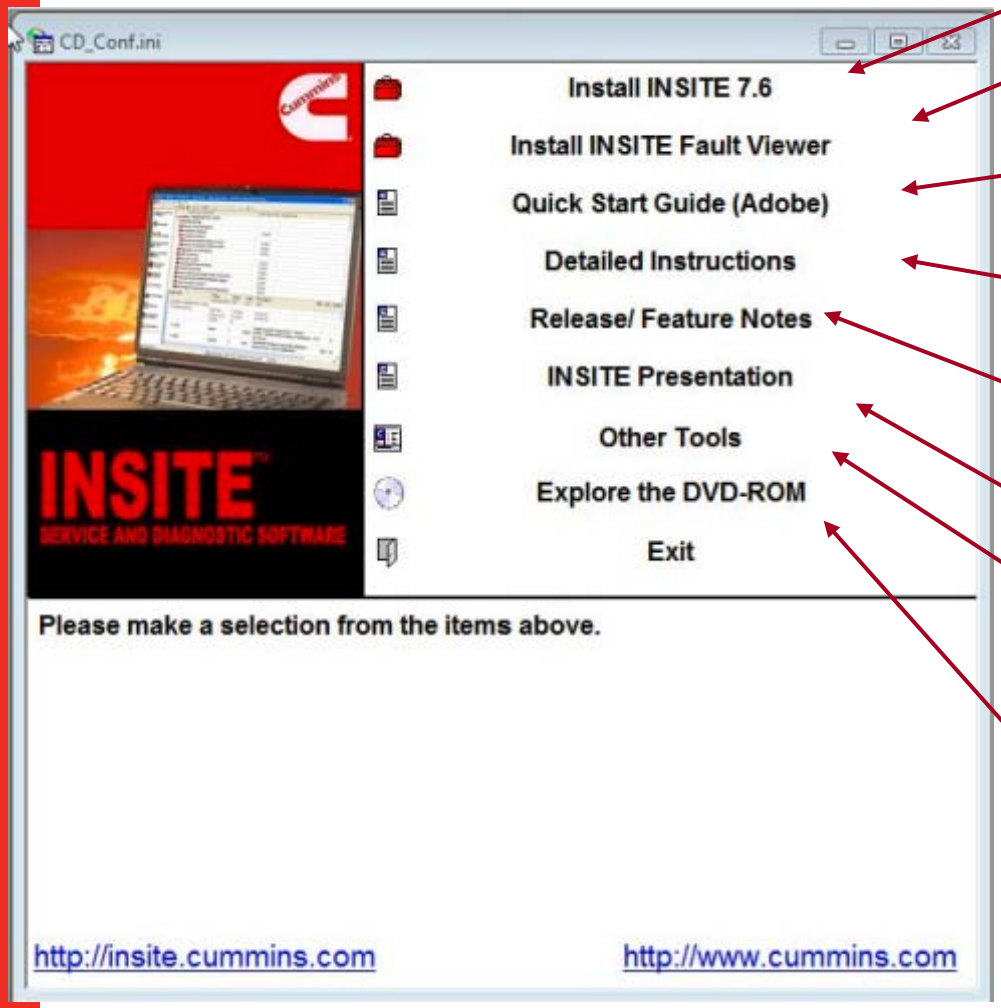
Auto Run Menu

INSITE™ installation DVD uses an Auto Run Menu

- To Install, Select *Install INSITE ™ 7.6.0*
- INSITE ™ will upgrade from previous versions
- It is not necessary to uninstall previous versions of INSITE before installing the new version

Back to Agenda

Auto Run Menu



Install INSITE 7.6.0

Install INSITE Fault Viewer

Quick Start Guide

Detailed Instructions

Release/Feature Notes

INSITE Presentation

Other Tools

Explore the DVD-ROM

Back to Agenda

Auto Run Wrap Up

Refer to either the Quick Start Guide or the Installation Instructions

INSITE™ will upgrade from previous versions

- It is not necessary to uninstall previous versions of INSITE ™ before installing the new version.

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Tool Security

Upon Initial Startup

- Registration Password Required
  - Basic Password is needed to access INSITE™ Basic Functionality (Read Only)
  - Additional Functionality can be added
    - Once INSITE™ is opened
    - Tools → Options → Security
- Login to the Windows® account that will be used to access INSITE™

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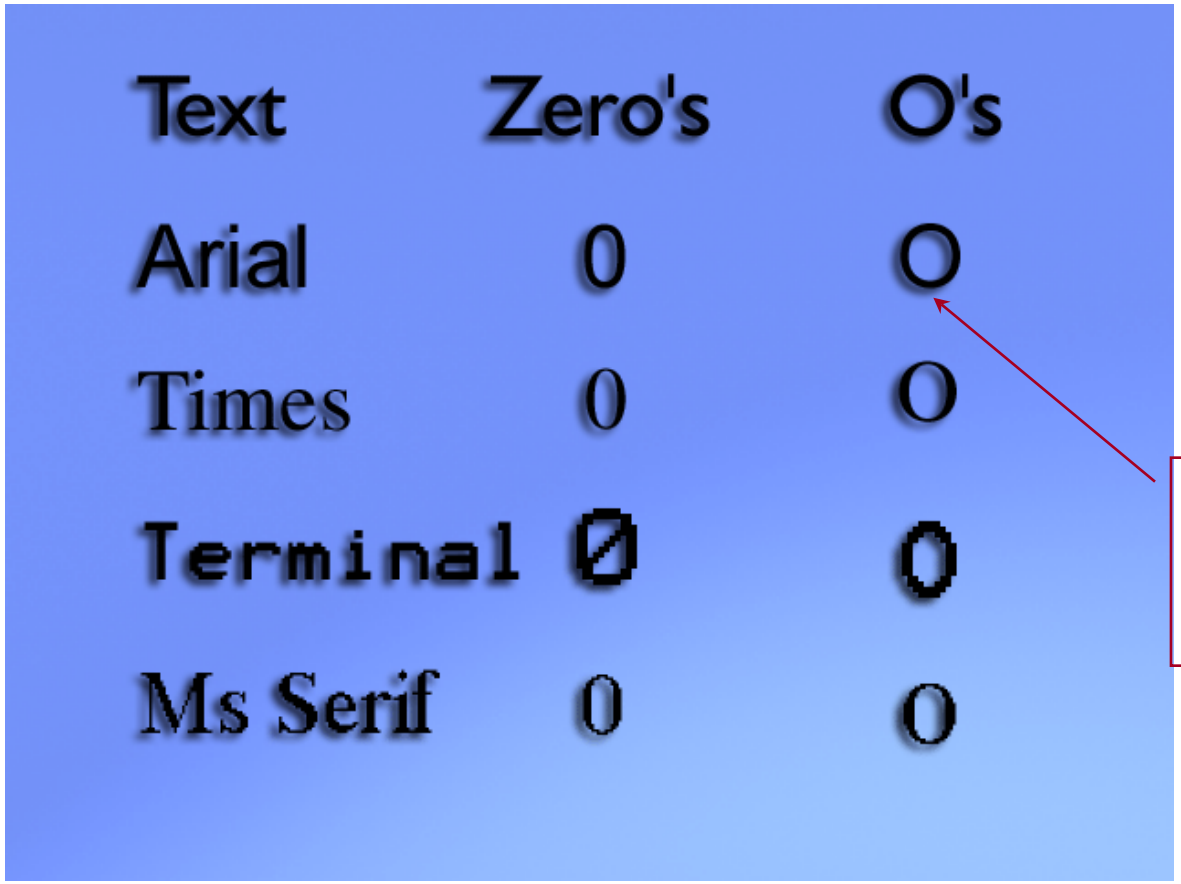
Tool Security



Notice the difference between Zero's and O's

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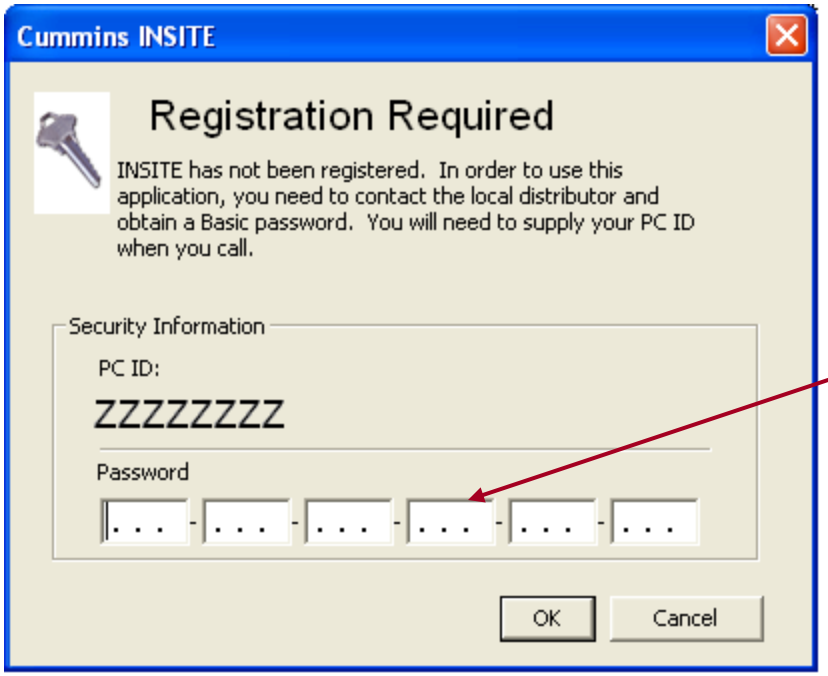
Tool Security



18 Digit Password

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Tool Security Wrap Up

Be careful when entering passwords containing Zero's and/or O's

Tools → Options → Security

- Enter your Functionality Password
- Enter Fleet Count Password
- Enter Zap-It Password

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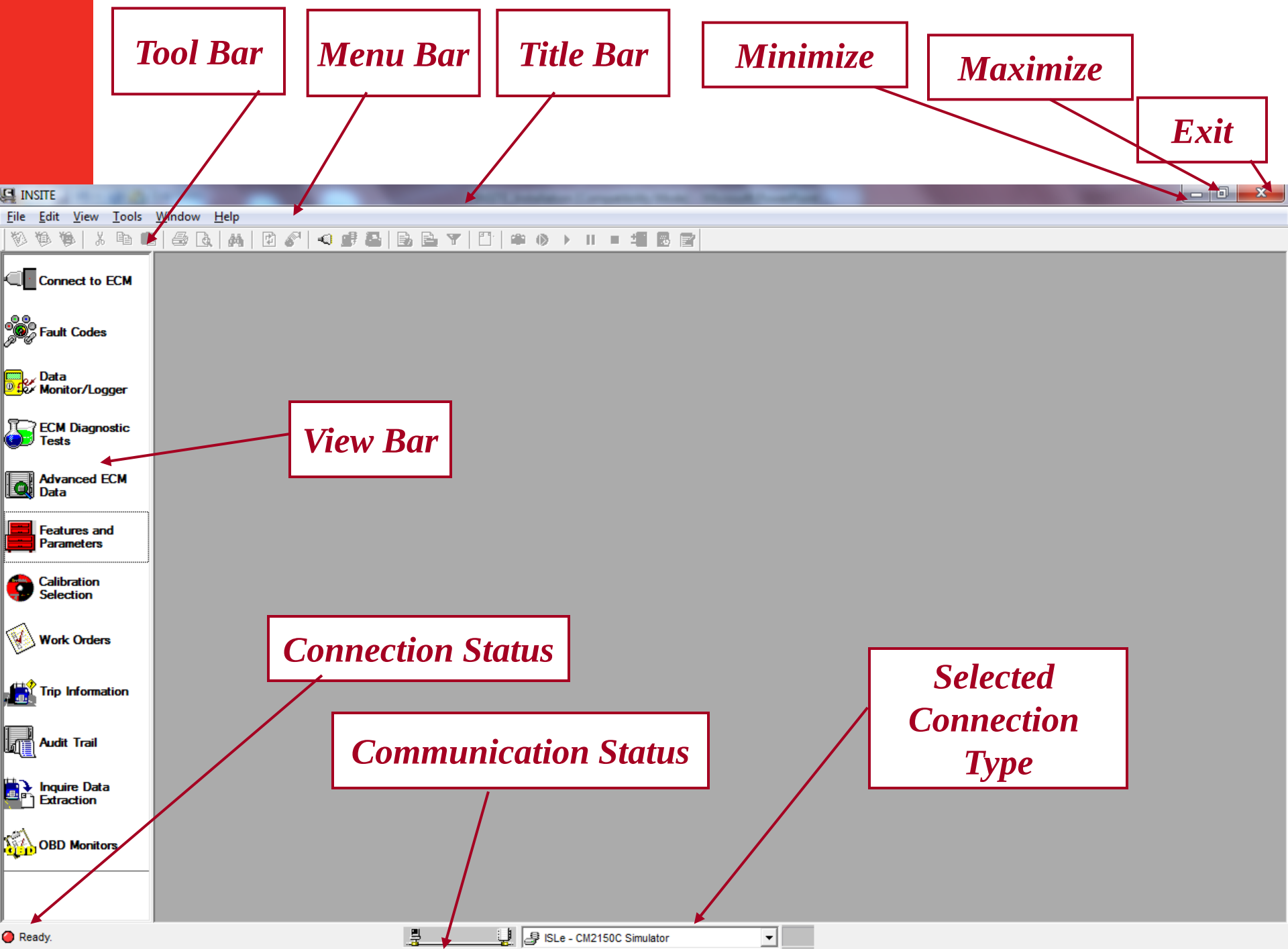
INSITE Start Up

Back to Agenda


Tool Bar
Menu Bar
Title Bar
Minimize
Maximize
Exit
INSITE
File Edit View Tools Window Help
Connect to ECM
Fault Codes
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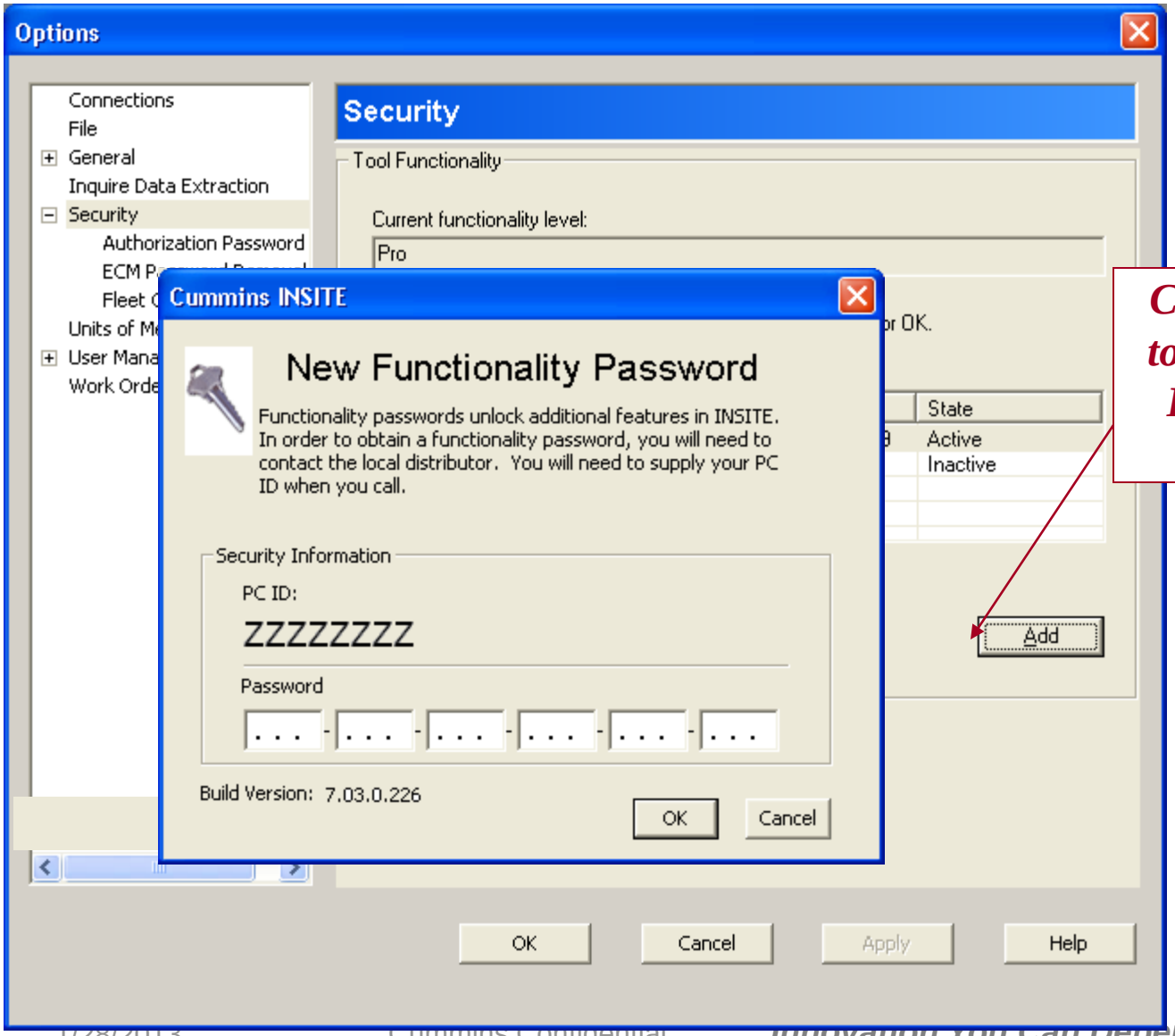
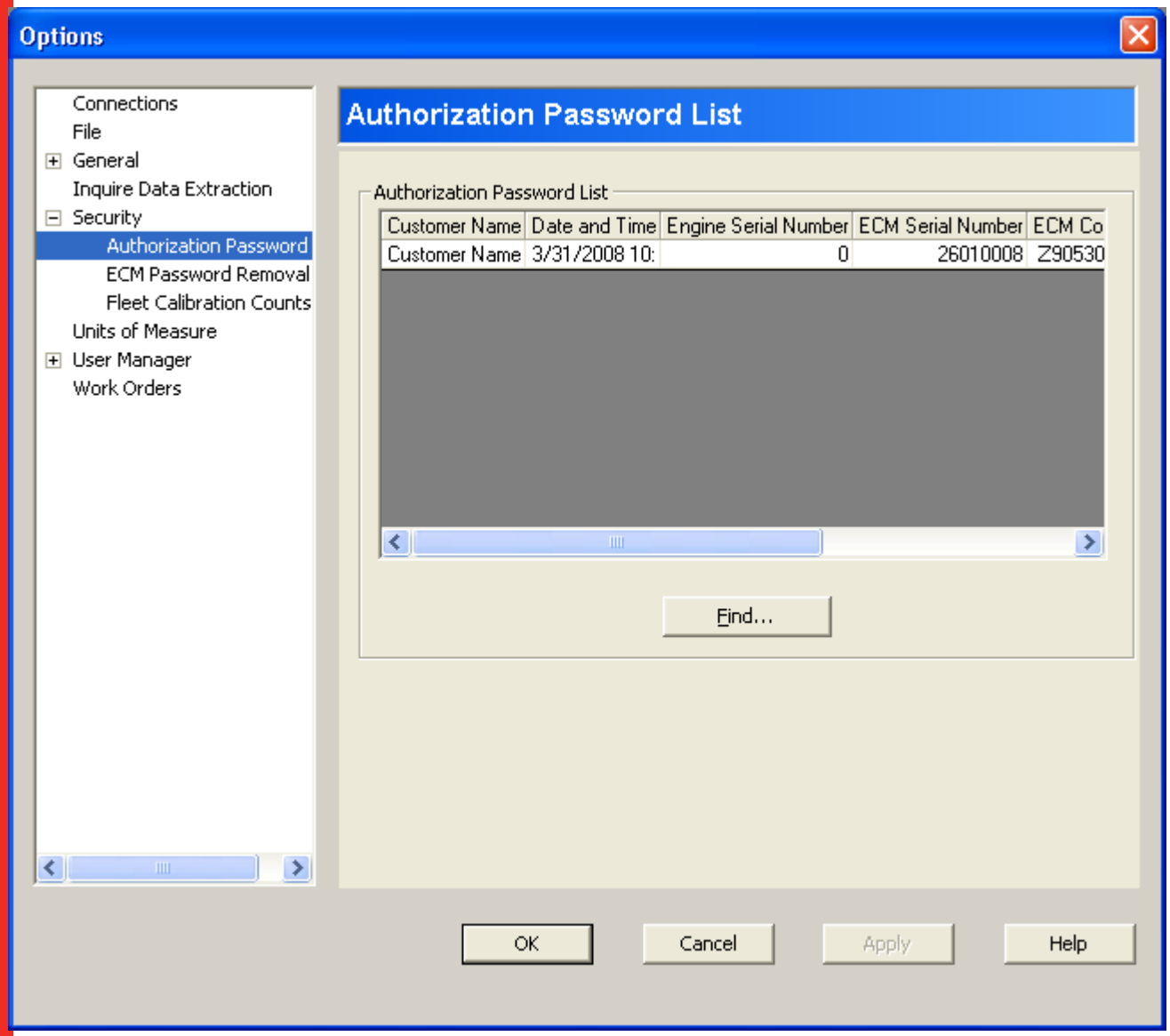
Inquire Data Extraction
OBD Monitors
View Bar
Connection Status
Communication Status
Selected Connection Type
Ready.
ISLe - CM2150C Simulator

Tool Security



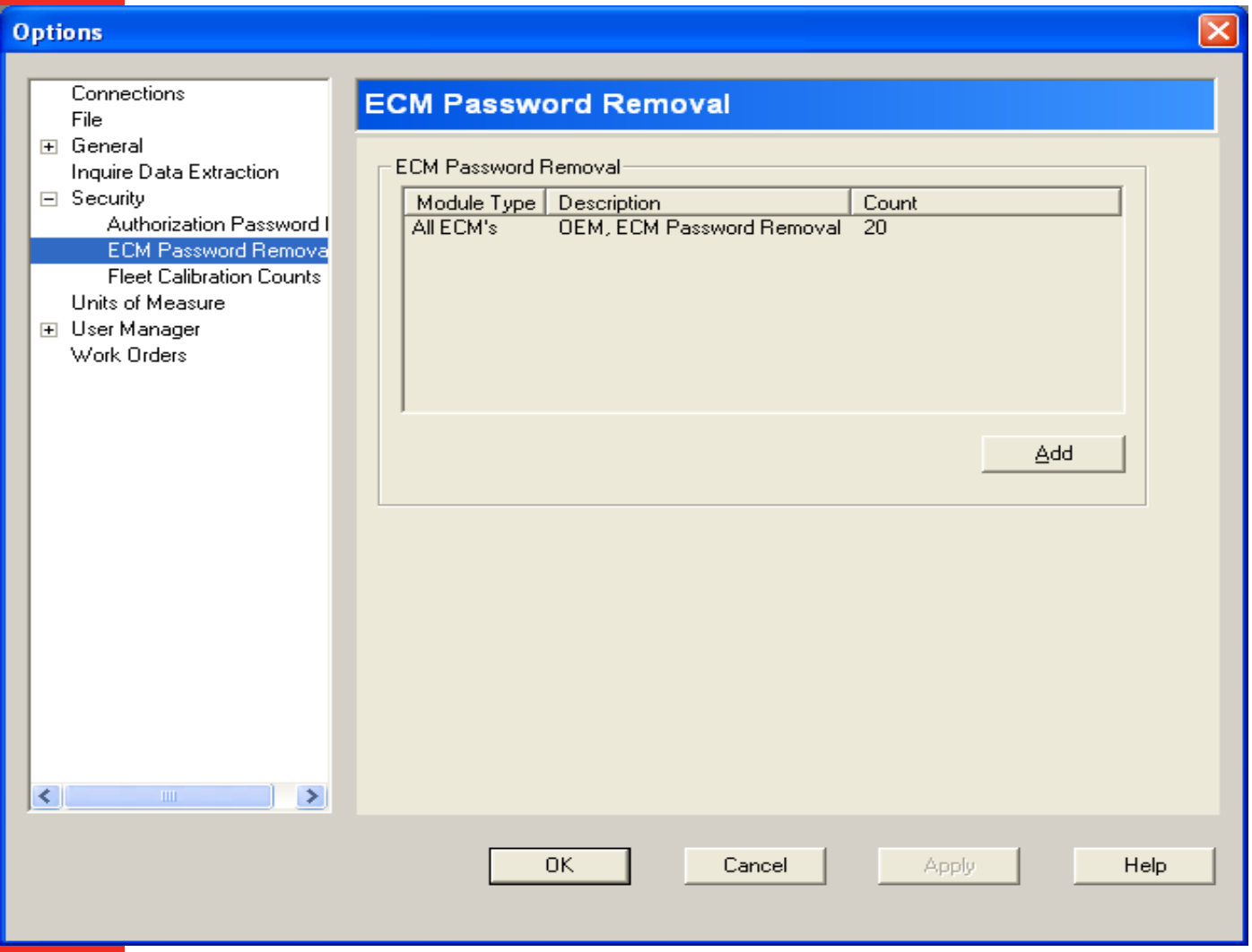
Click on "Add" to enter the New Functionality Password

Tool Security



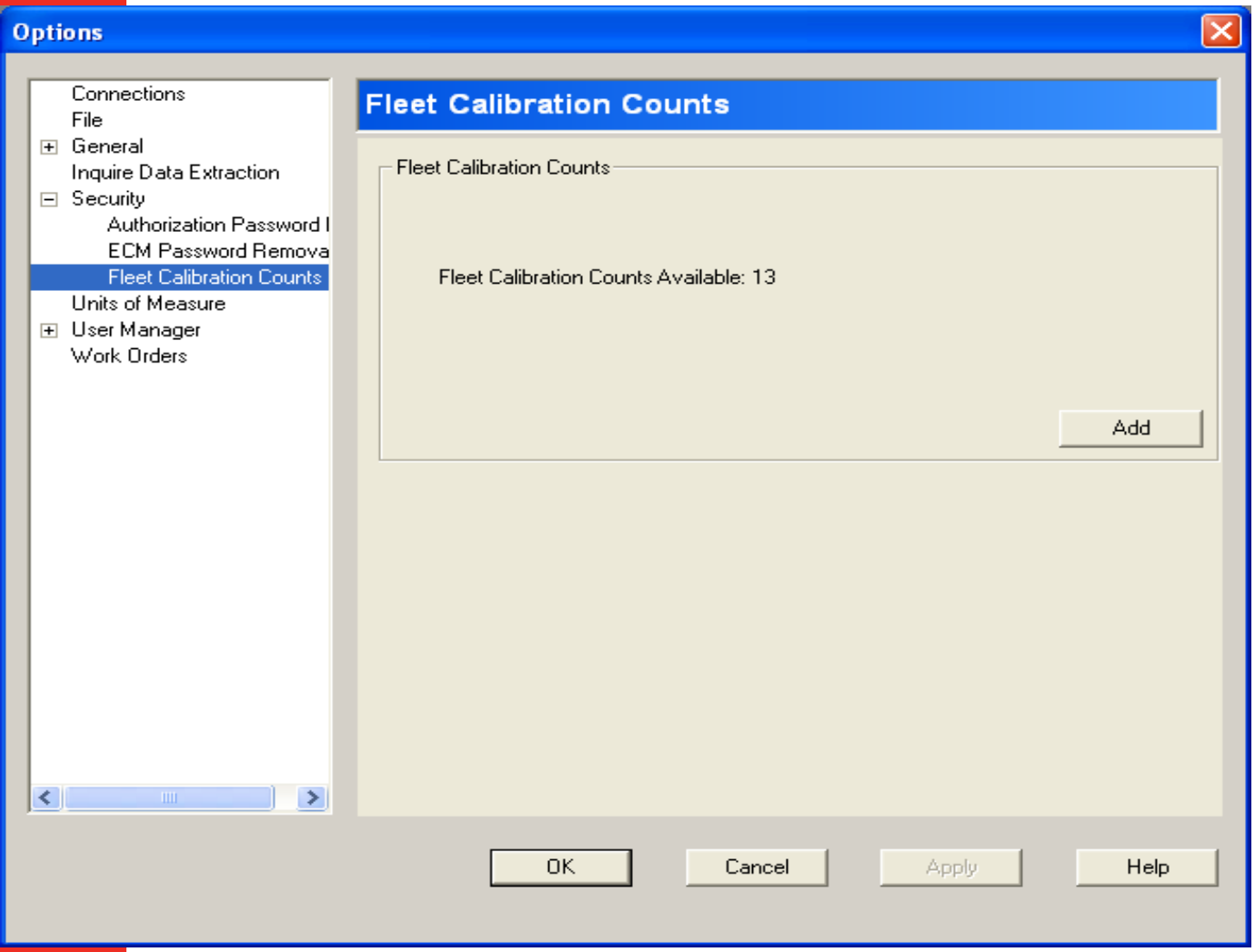
- History of calibration download that required a password

Tool Security



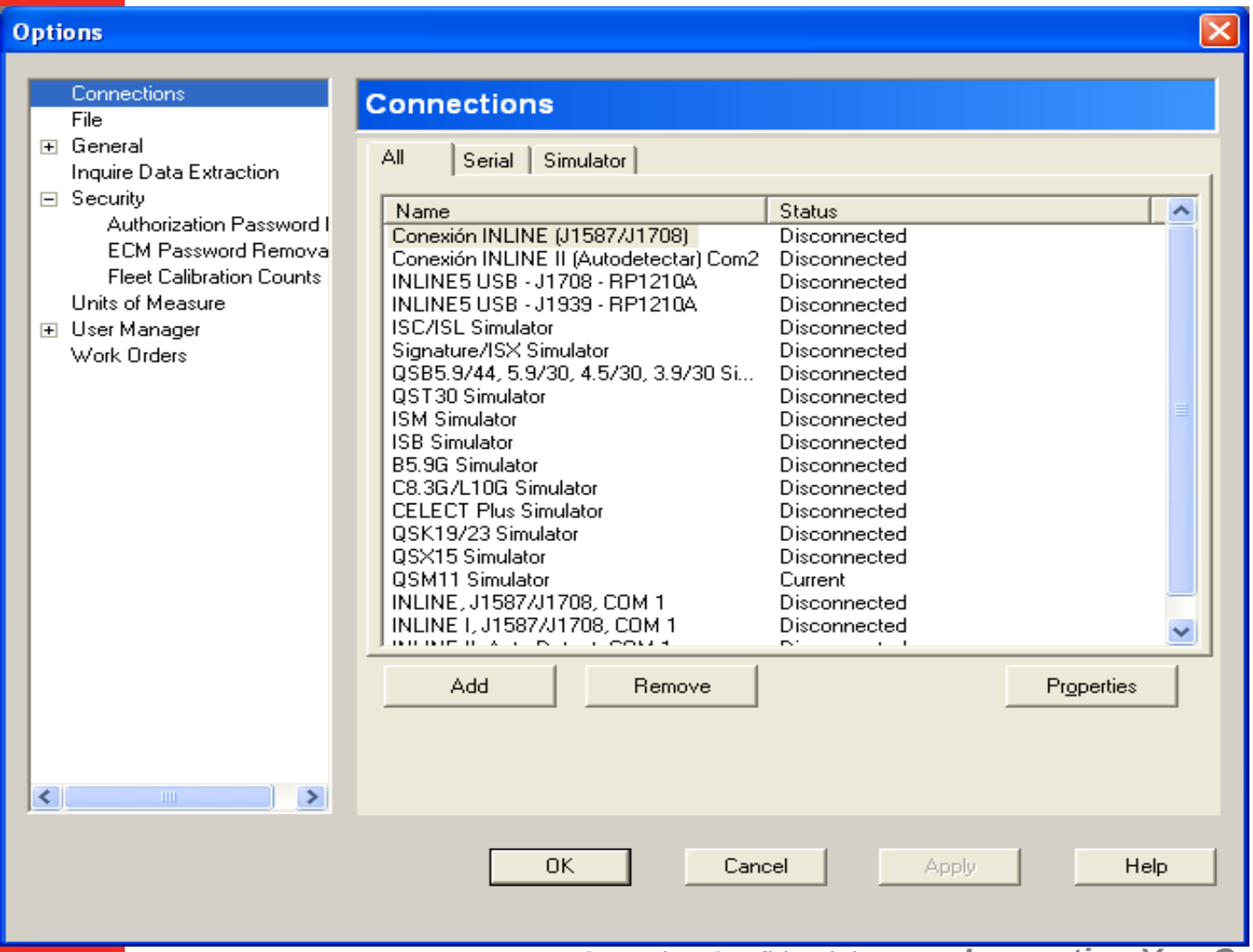
- **ECM Password Removal (Zap-It)**
- **Passwords that allow INSITE to remove ECM Passwords**

Tool Security



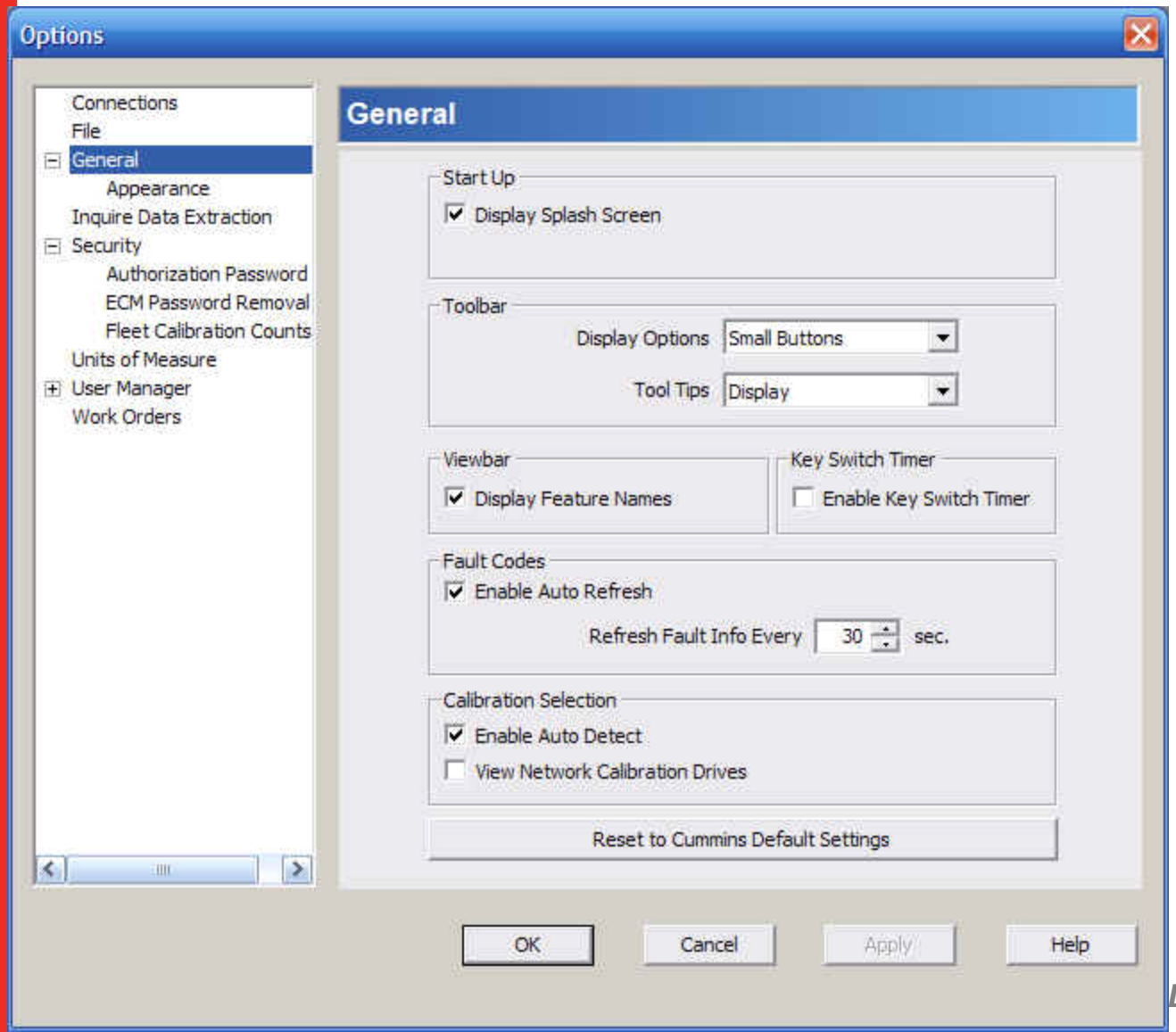
- **Fleet Counts**
- **Allows user to store counts to download several Calibrations without using Single Passwords**

Tools→ Options→ Connections



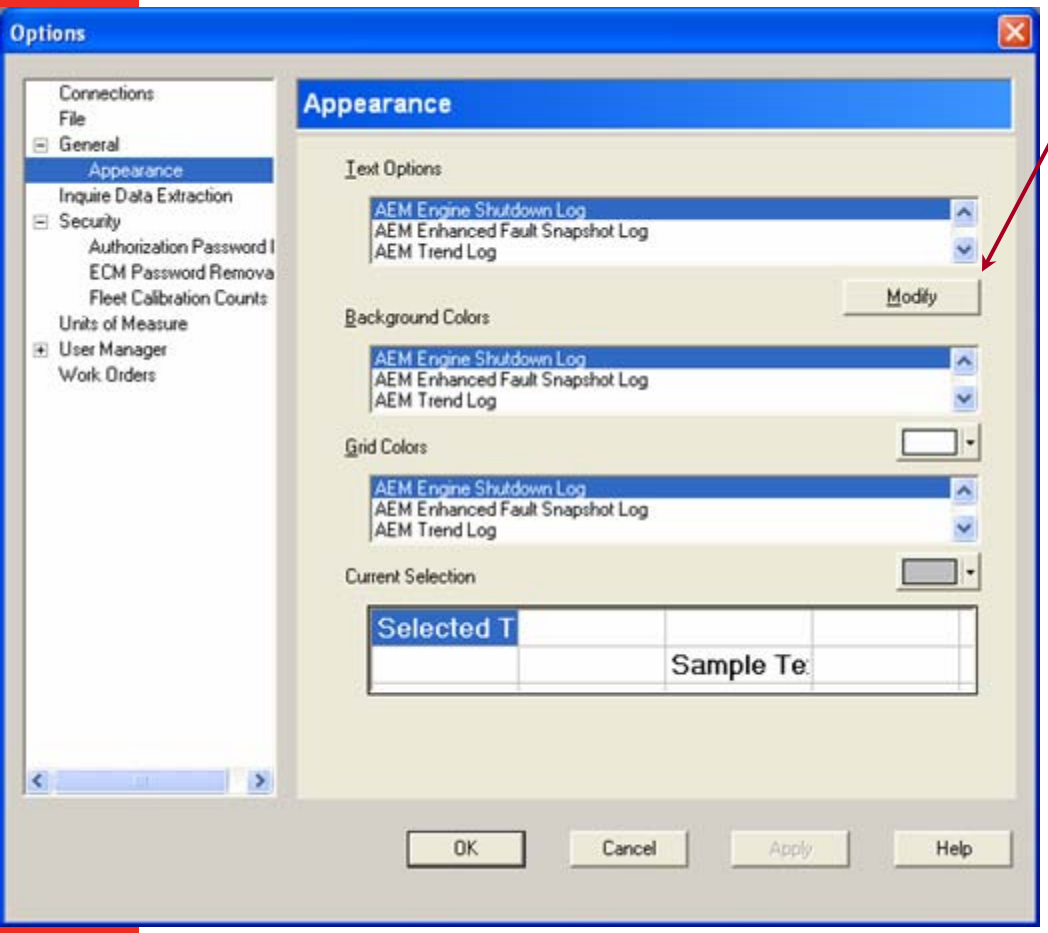
- **Add and Remove Connections**

Tools→ Options→ General



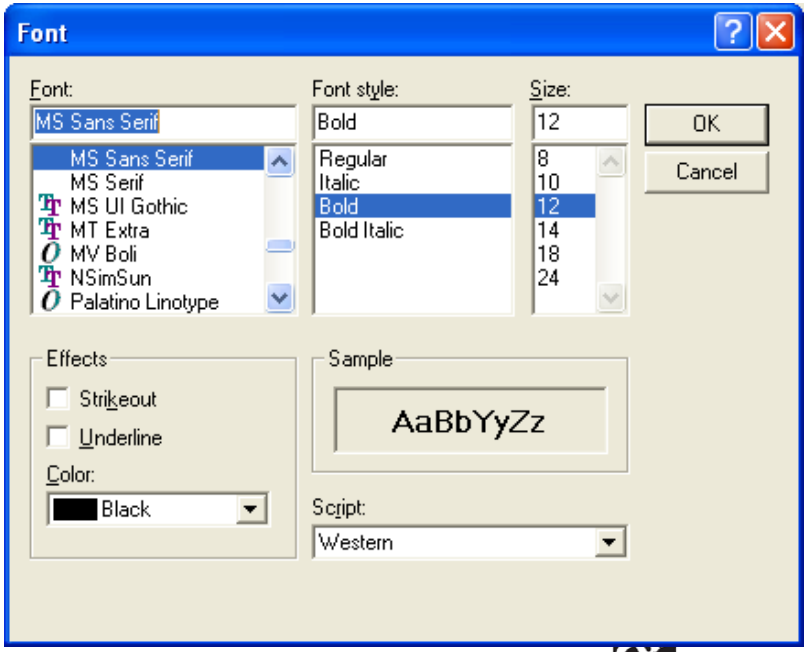
❑**Personal Preferences**

Tools→ Options→ General→ Appearance

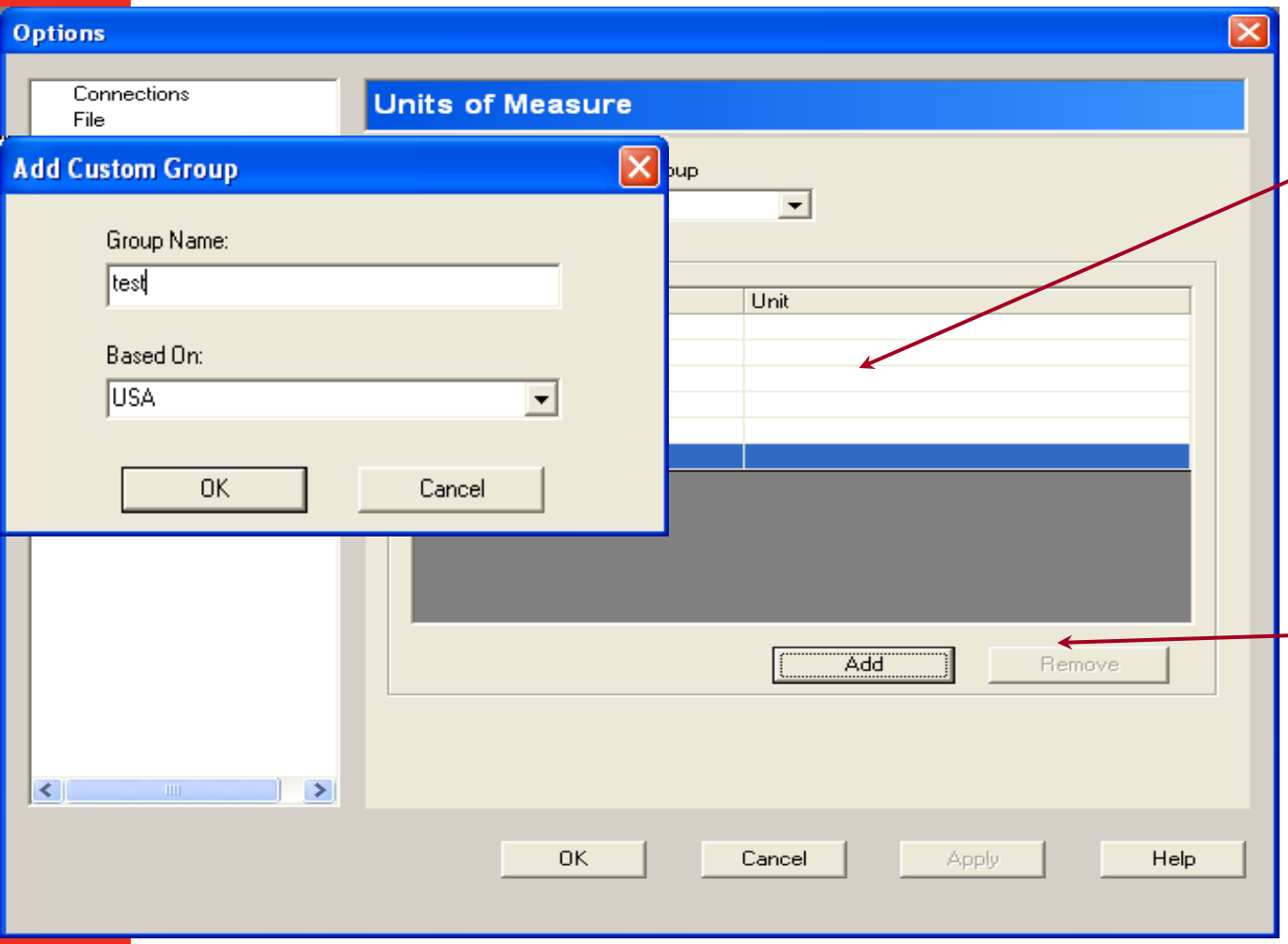


Select Modify

- Font size can be changed for ease of viewing



Tools→ Options→ Units of Measure

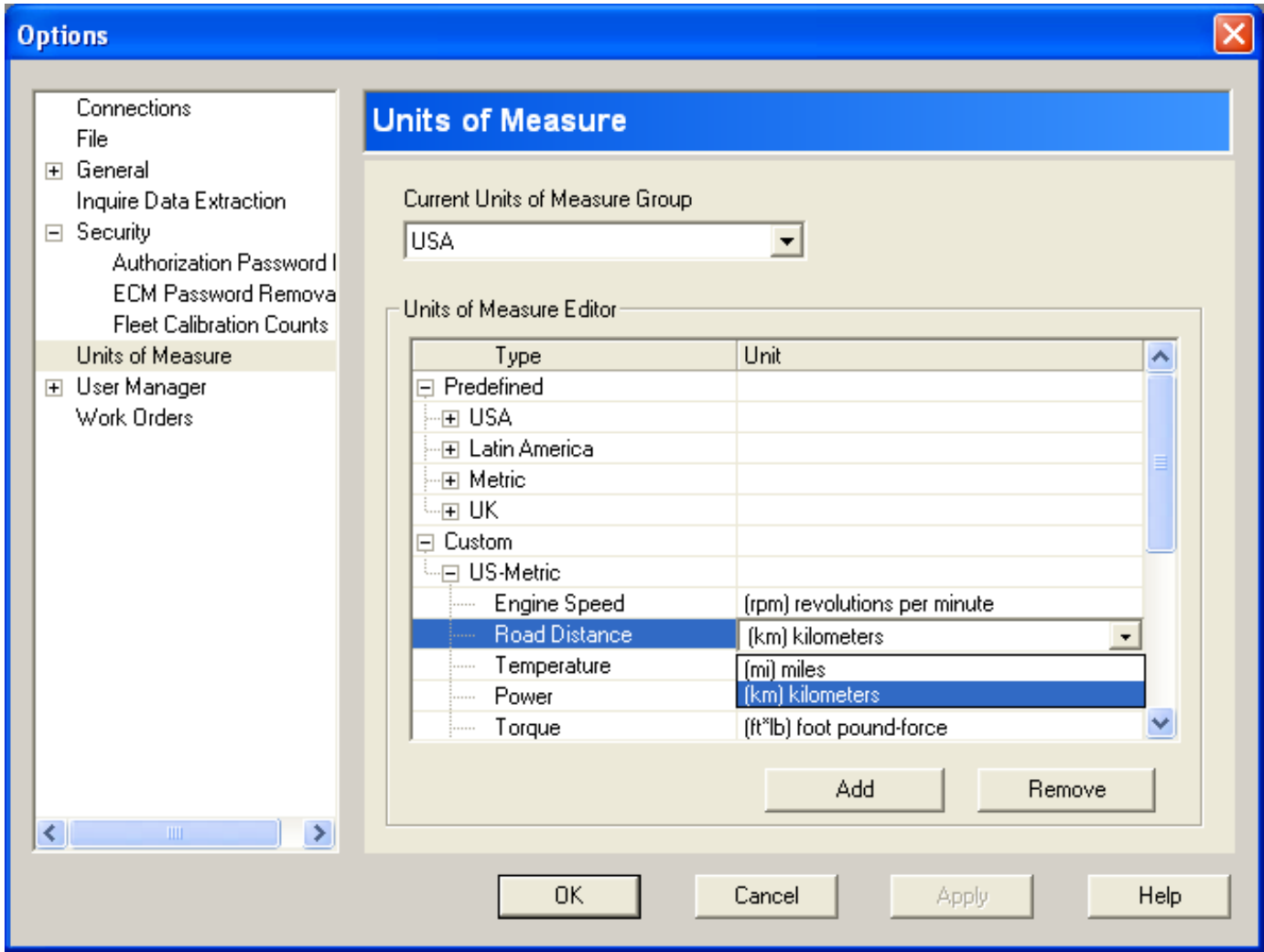


Insert Group Name

Select Add

Tools→ Options→ Units of Measure

- Predefined Groups
- Custom Groups may be set up
- Adjust Custom Groups to match User Preferences



Tools → Options Wrap Up

One place to Set up and customize INSITE™

Contains:

- Connections
- File Locations
- General
  - Location to Adjust Font Sizes
- Tool Level Security
  - ECM Password Removal Passwords
  - Fleet Calibration Count Passwords
- Units of Measure
- User Manager
- Work Orders

Back to Agenda

ECM Security

Most of the Cummins ECMs have five levels of password capabilities:

- Master
- Adjustment
- Reset
- OEM
- OEM 2

Back to Agenda

ECM Security

Master ECM Password

- No Changes to ECM Allowed
- Includes all Writes and Resets

Adjustment Password

- Master Password must also be Set
- Only allows changing ECM Adjustments
  - Features and Parameters

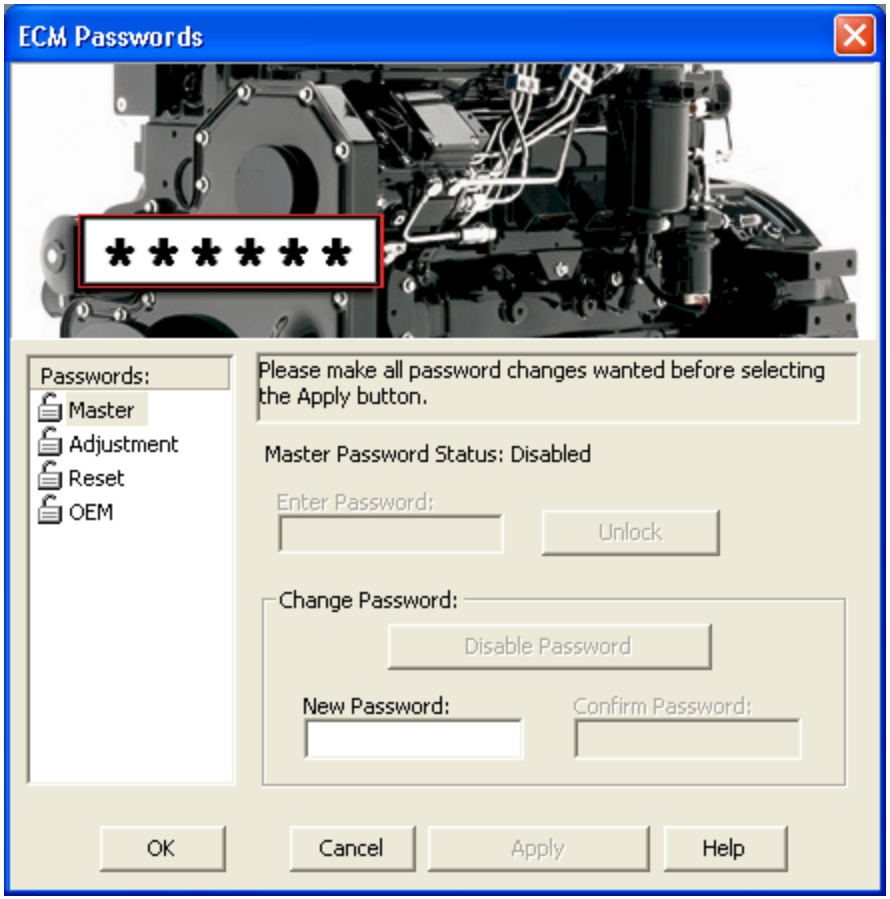
Reset Password

- Master Password must also be Set
- Only allows ECM Resets
  - Fault Codes, Trip Information

OEM/OEM 2 Password

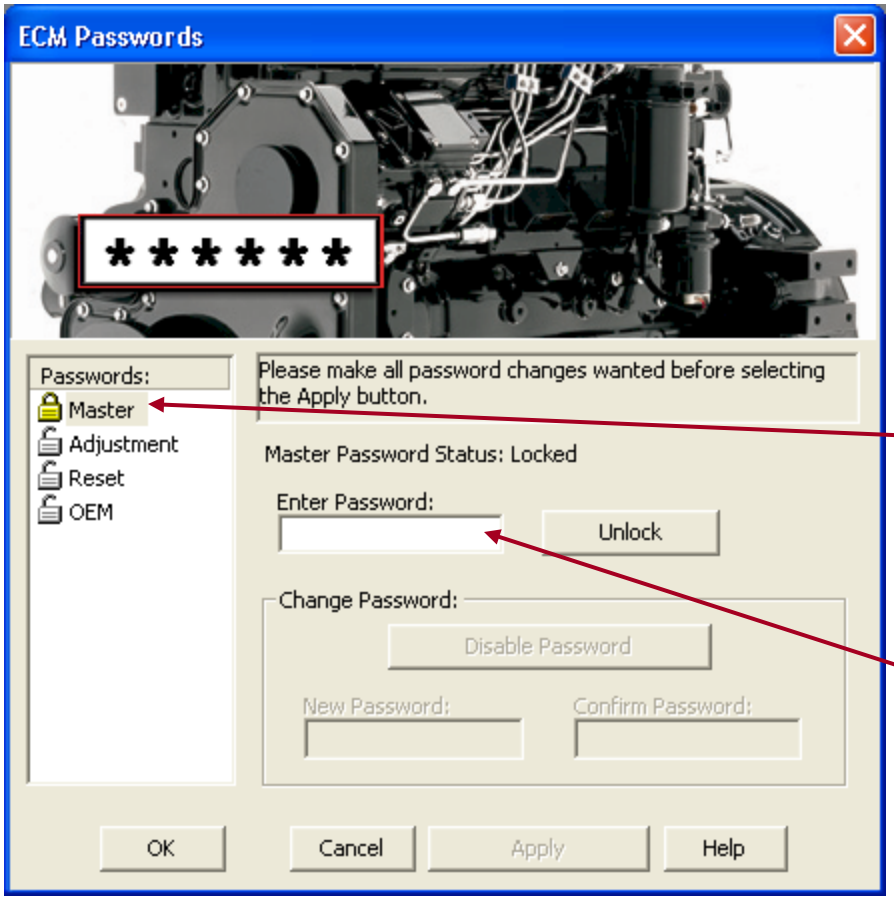
- Master Password does not need to be set
- Protects OEM Specific Parameters from Adjustment

ECM Security



Tools →ECM Passwords…

ECM Security



Master Password is Set/Locked

Enter Password to Unlock

ECM Security

Select Password Level from the dropdown list

Enter Password

ECM Security
Wrap Up

- Used to protect the ECM from users making 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

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User Manager

- 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

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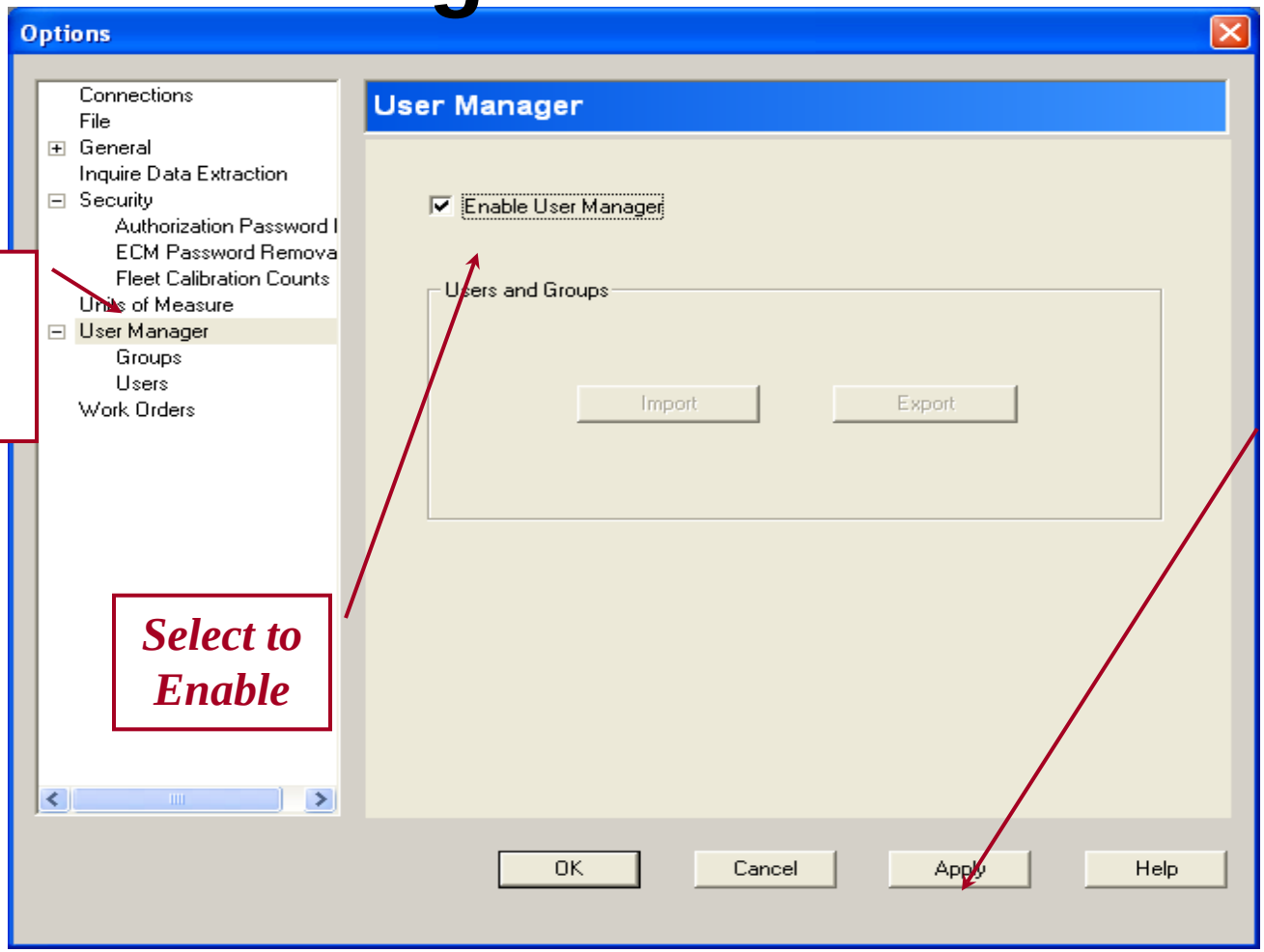
Tools→ Options→ User Manager



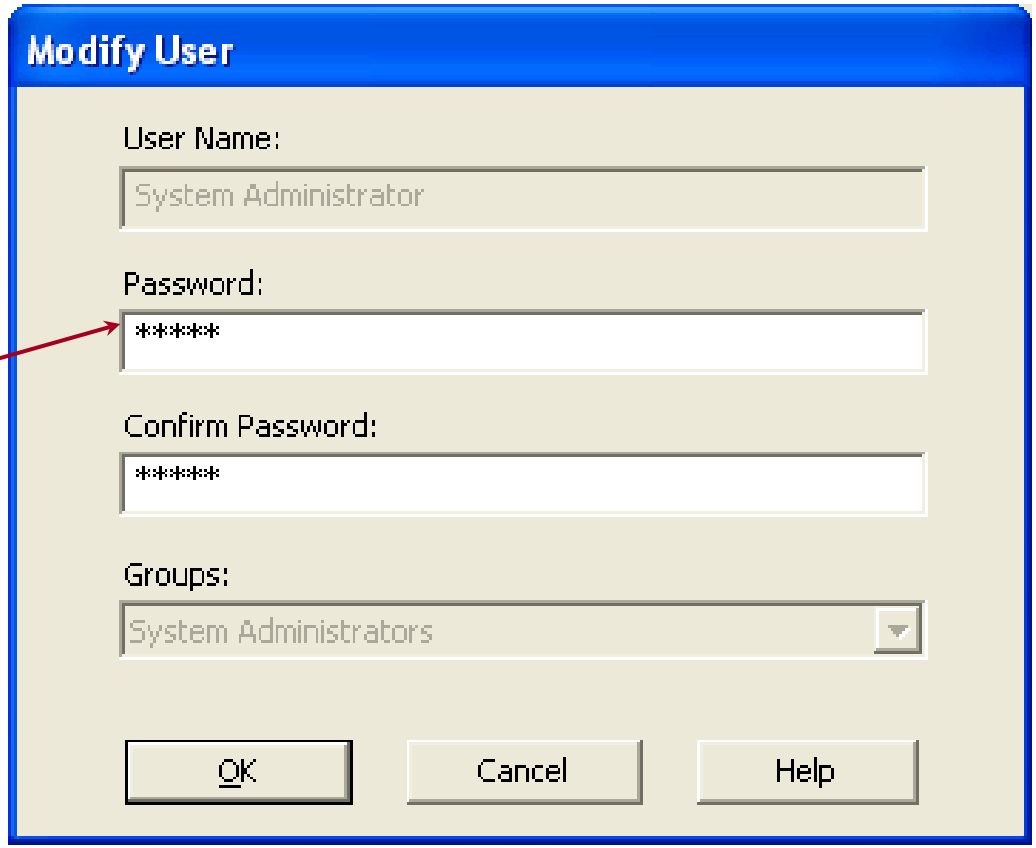
Click on User Manager

Select to Enable

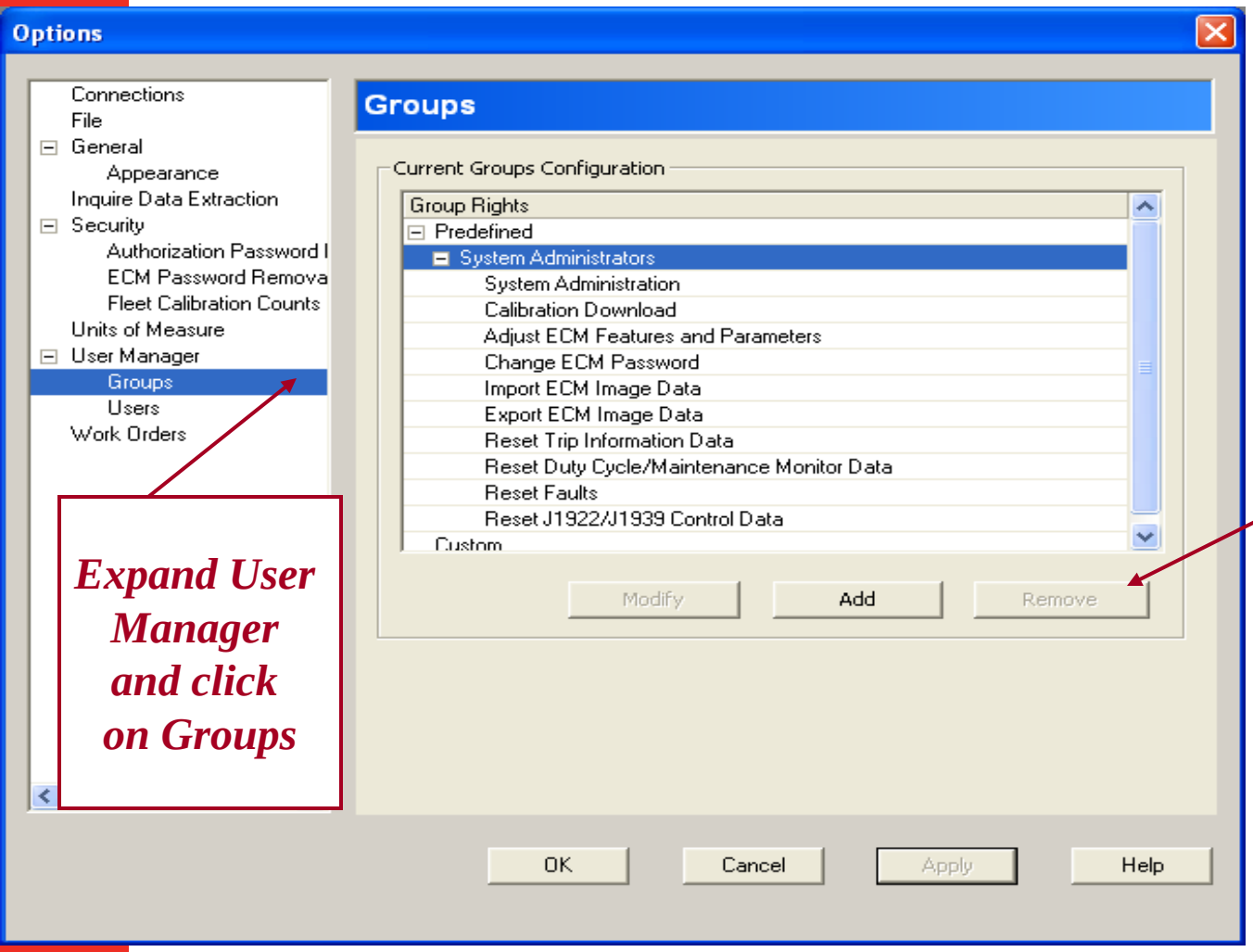
Select Apply

System Administrator

Enter the password for the System Administrator



Setting Up Groups



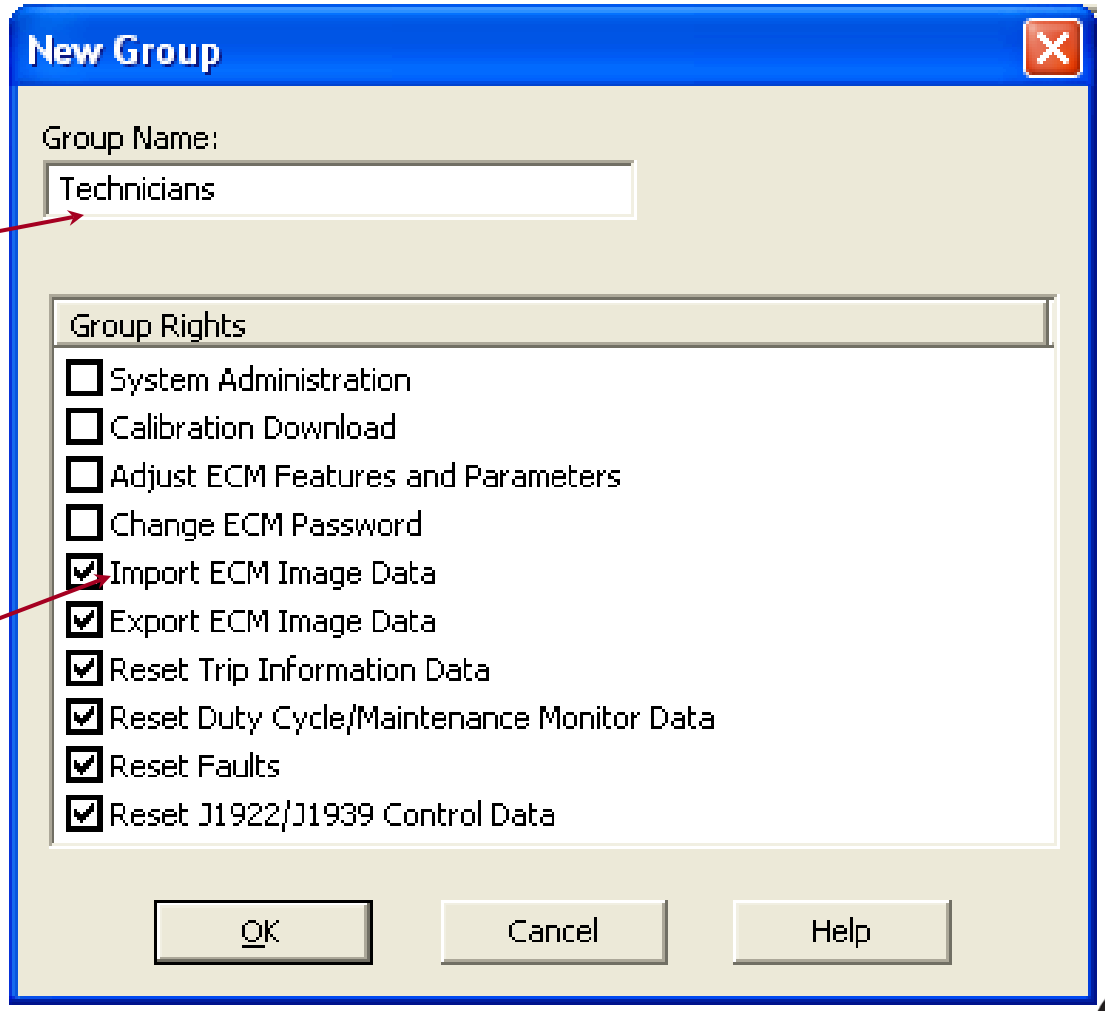
Expand User Manager and click on Groups

Click on Add to add a Group

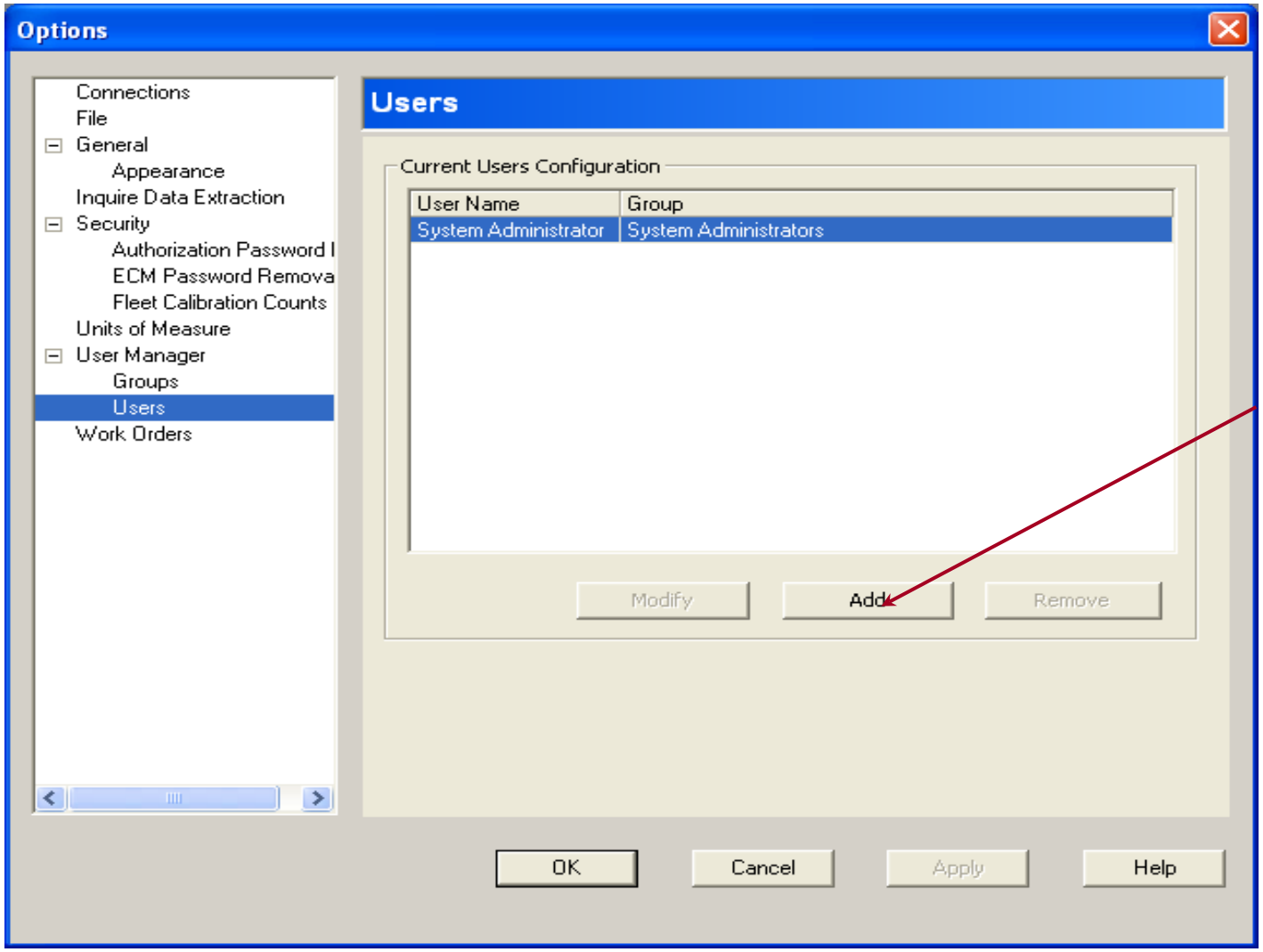
Setting Up Groups

Enter Name of Group

Select the Rights that the group should have the ability to do



Setting Up Users



Add New User

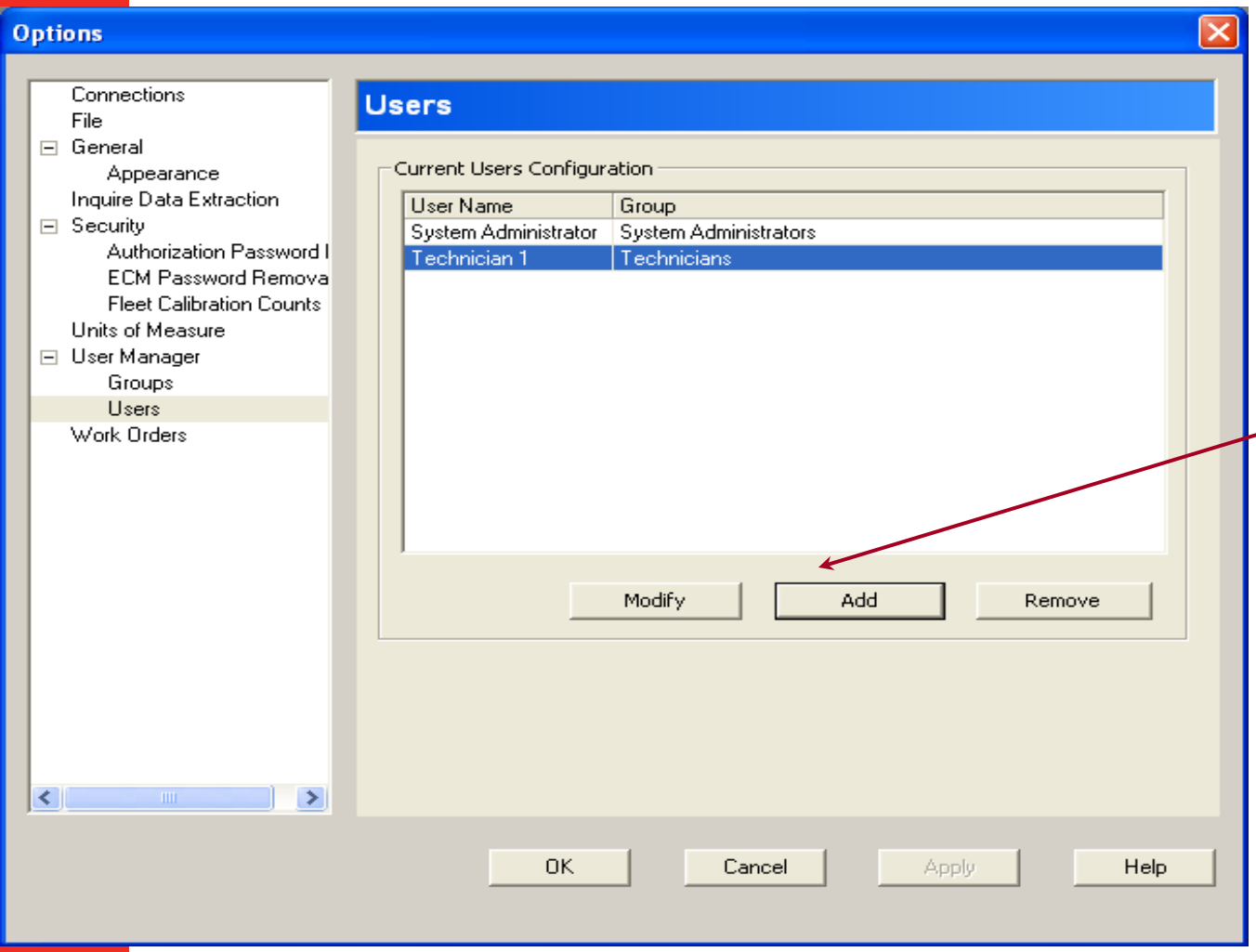
Setting Up Users

Enter *New User Name*

Enter Password

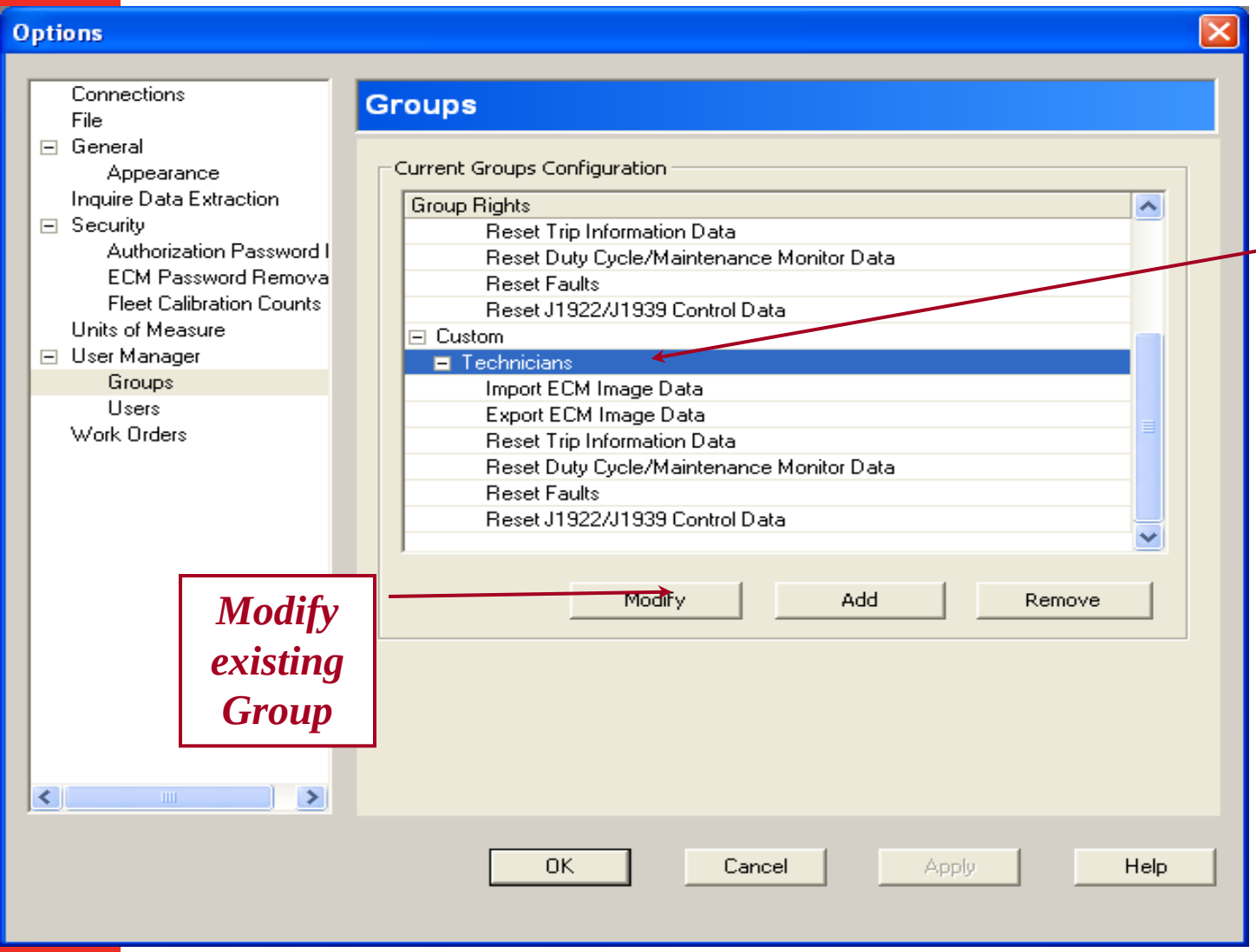
Select an existing Group

Modifying Users



Modify existing Users

Modifying Groups



New Group will show under Custom

Modify existing Group

After Re-starting INSITE

Enter Password

Required To select User Name

Back to Agenda

User Manager Wrap Up

- User Manager allows INSITE ™ to be used by multiple users with restricted access to the Tool Functionality

Back to Agenda

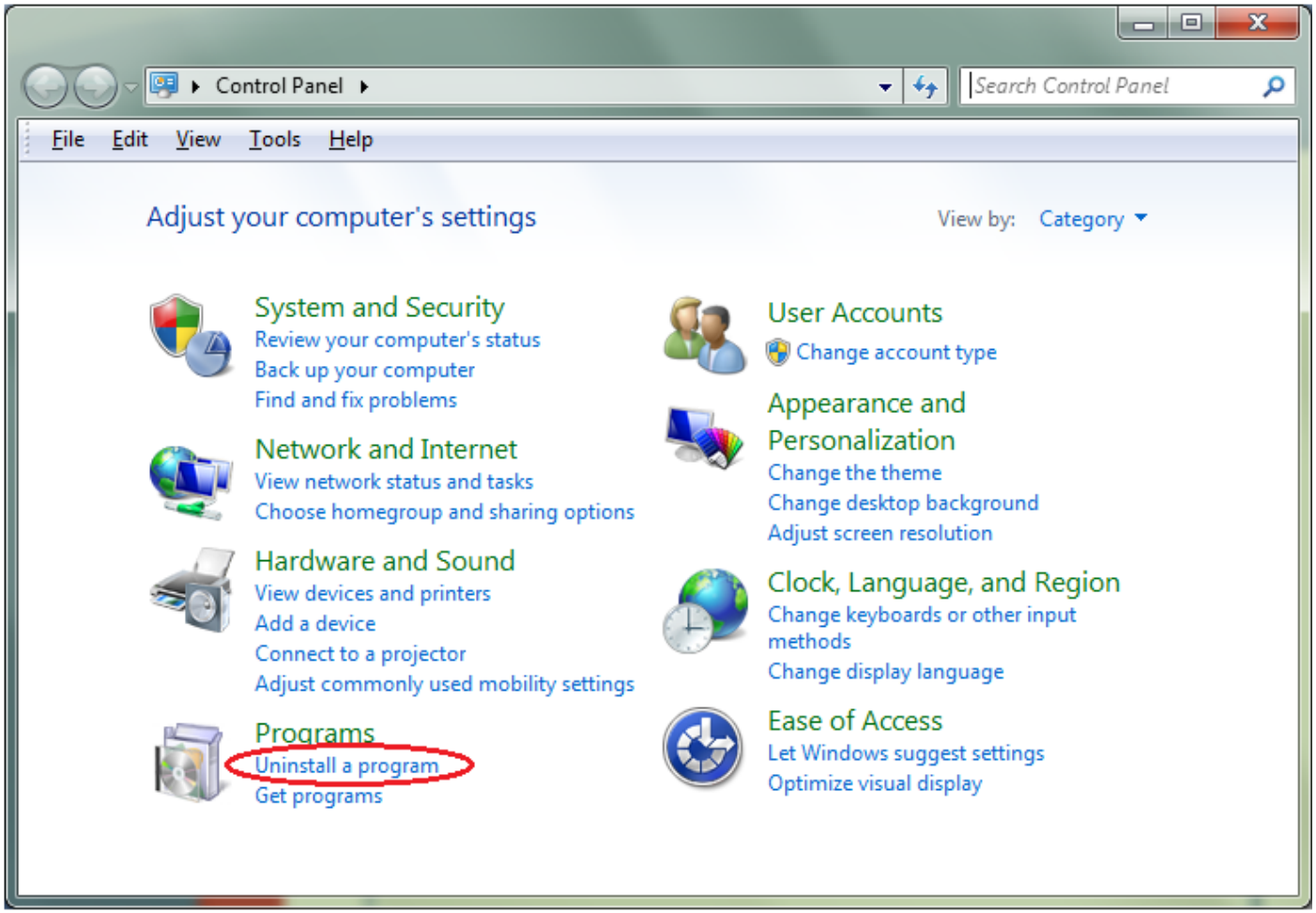
Roll Back Option

- INSITE™ provides the capability to roll back to the previous base version
- For example, INSITE™ 7.5.1 can be rolled back to INSITE™ 7.5 by using uninstall update in the Control Panel

Roll Back Option

- On a Windows 7 or Windows Vista PC
  - Go to Start > Control Panel > Programs > Uninstall a Program. On the upper left hand side, click on **View installed updates**. Select **I**NSITE™ 7.5.1 from the list and click **Uninstall**. Follow the prompts to uninstall INSITE™ 7.5.1
- On a Windows XP PC
  - Go to Start > Control Panel > Add/Remove Programs. On the top, check the box **Show updates**. Select INSITE™ 7.5.1 from the list and click **Uninstall**. Follow the prompts to uninstall INSITE™ 7.5.1
- Note: The PC may need to be restarted after uninstalling INSITE™ 7.5.1

Roll Back Option – Windows 7/Vista



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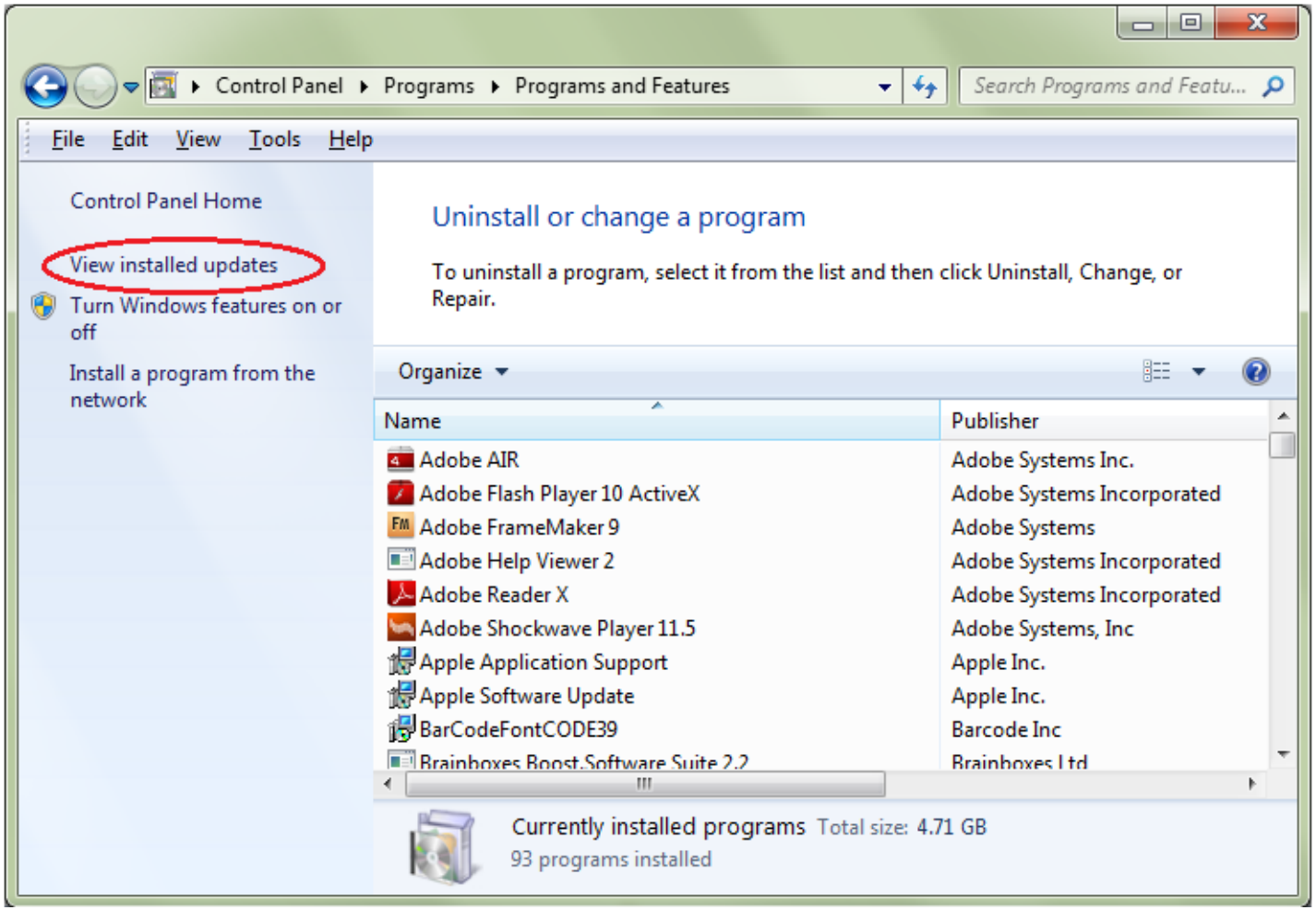
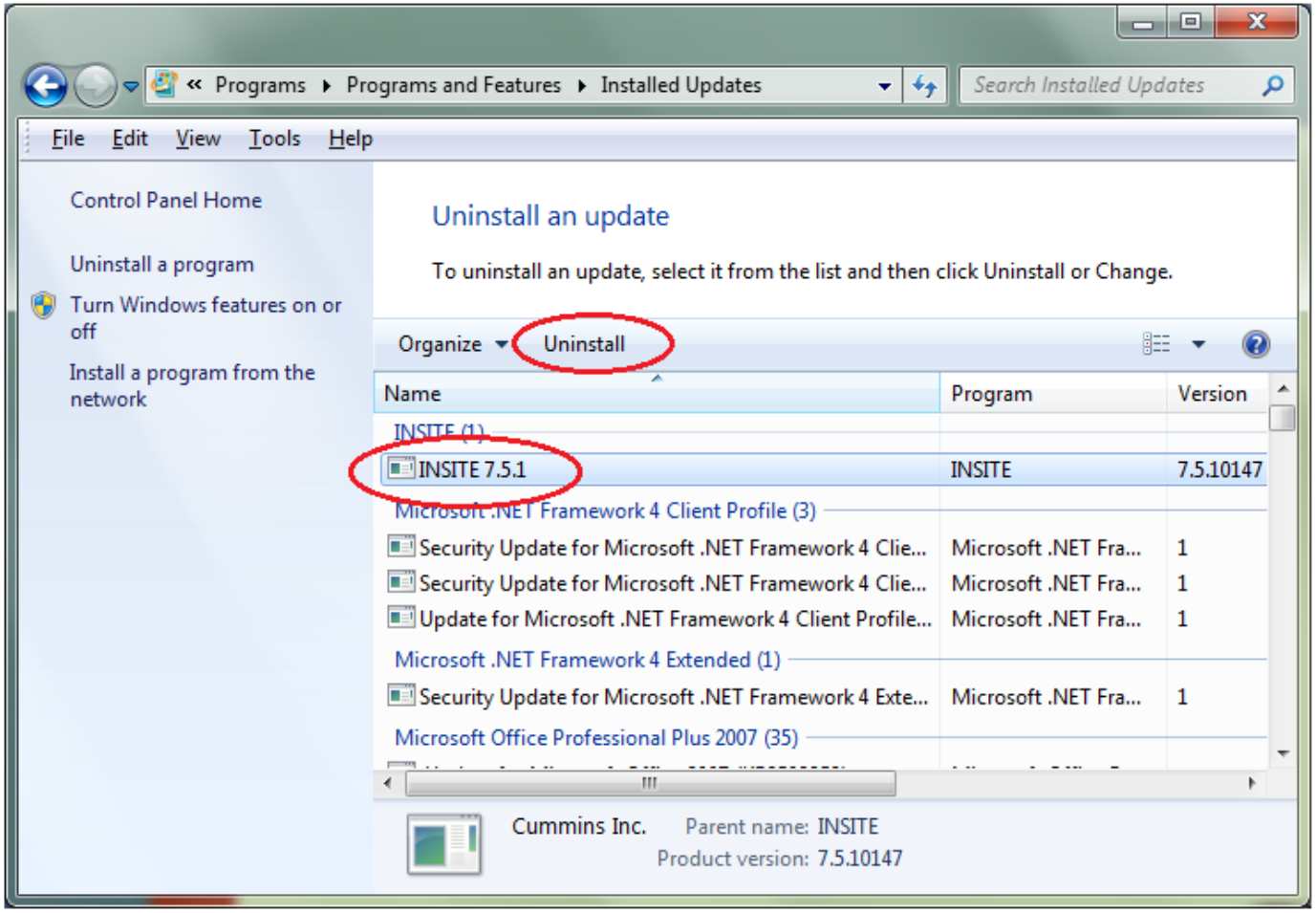
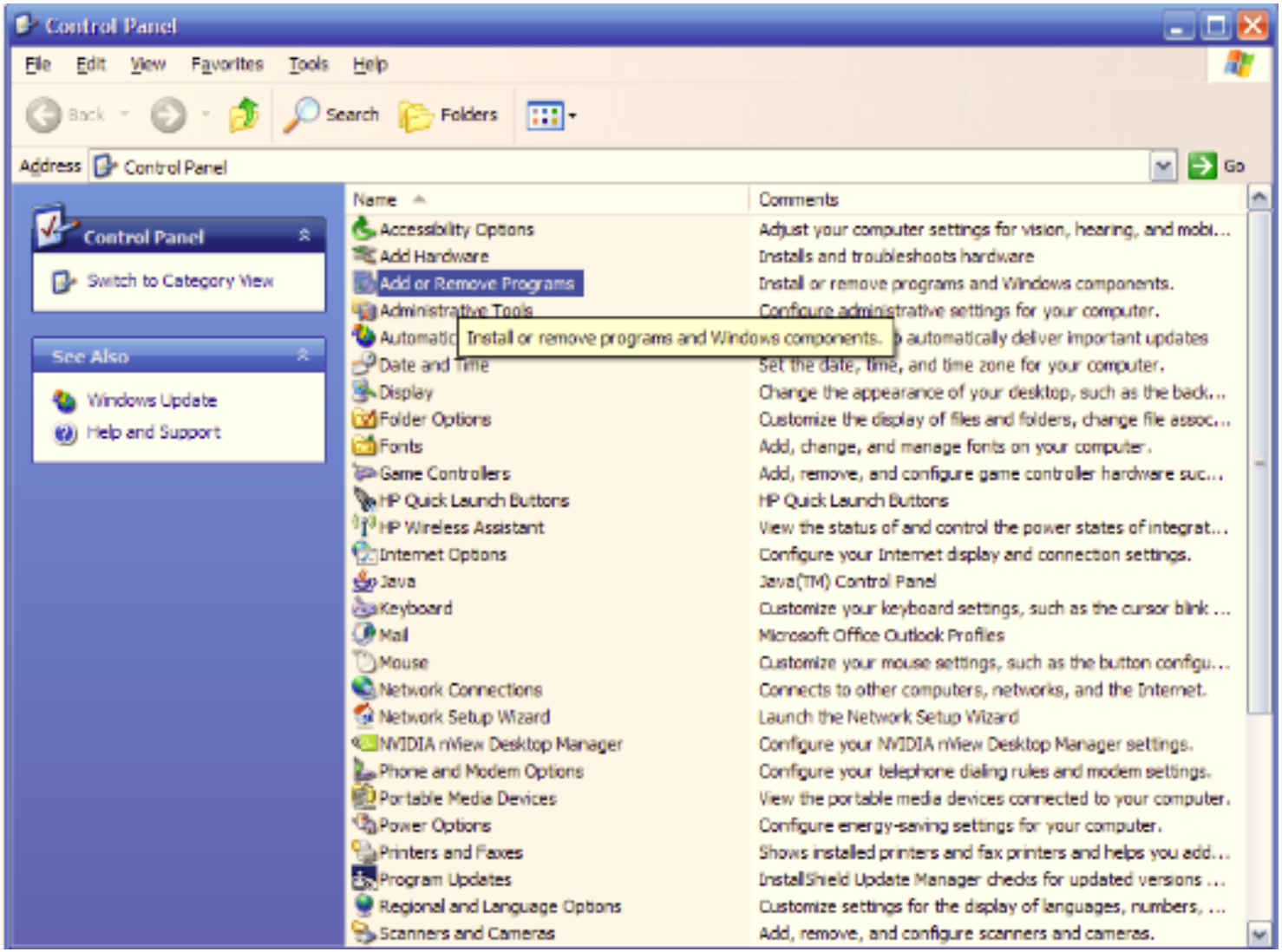
Roll Back Option – Windows 7/Vista



Roll Back Option – Windows 7/Vista



Roll Back Option – Windows XP



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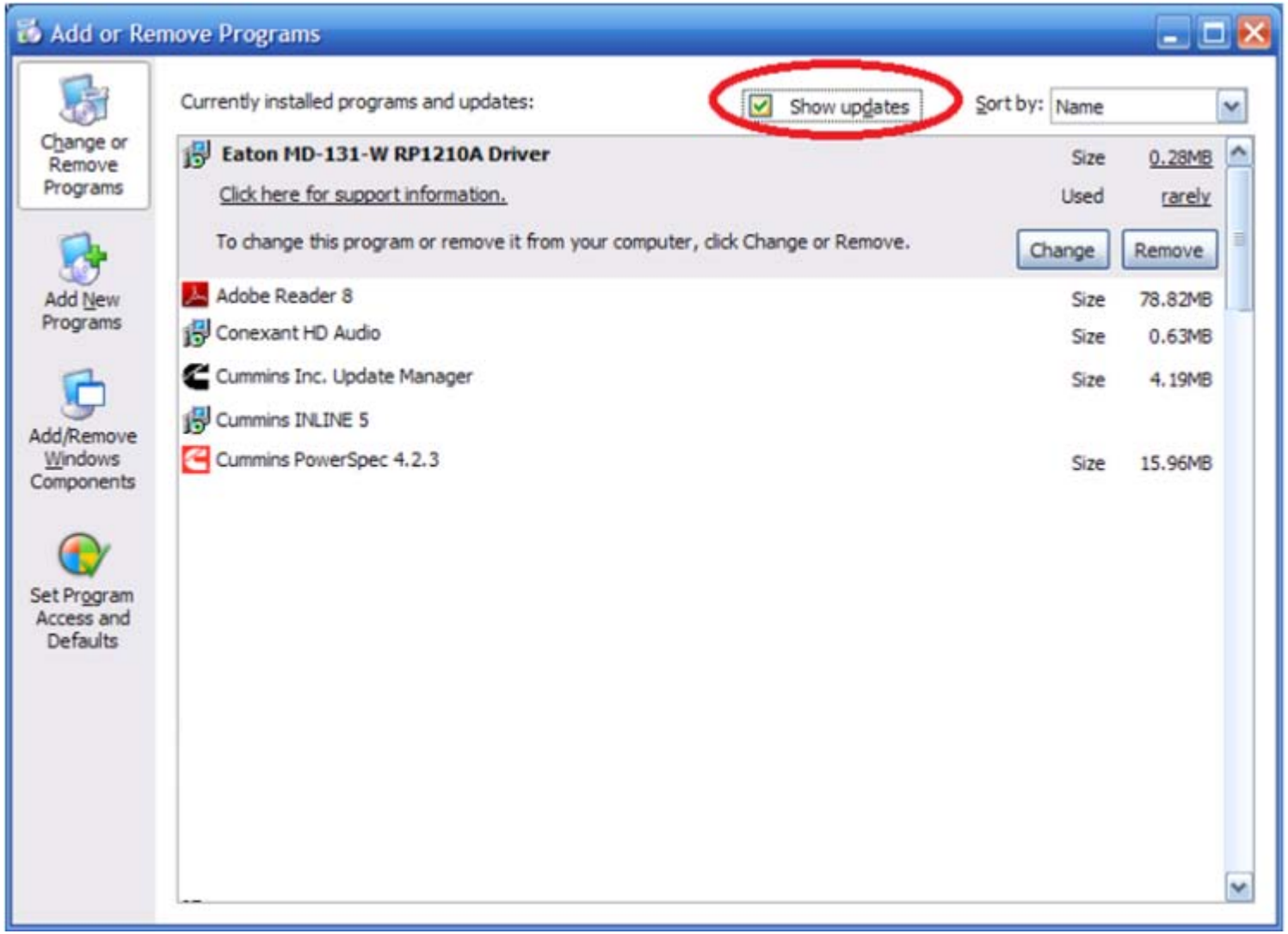
Roll Back Option – Windows XP



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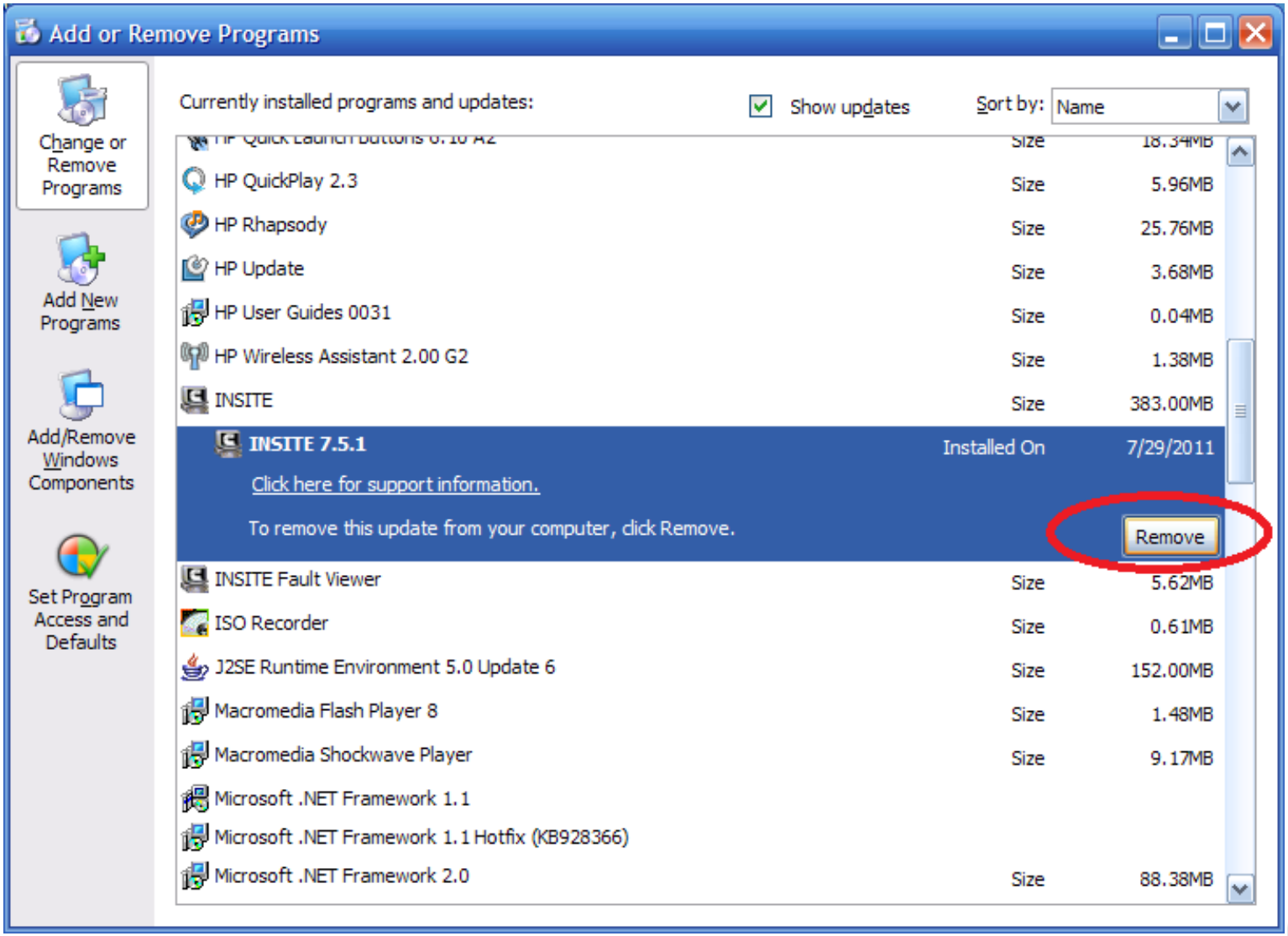
Roll Back Option – Windows XP



Roll Back Option Wrap Up

- INSITE™ provides the capability to roll back to the previous version

Back to Agenda

You have concluded this section of the training.

Please click to the next slide and continue or Click Here to return to the Table of Content.

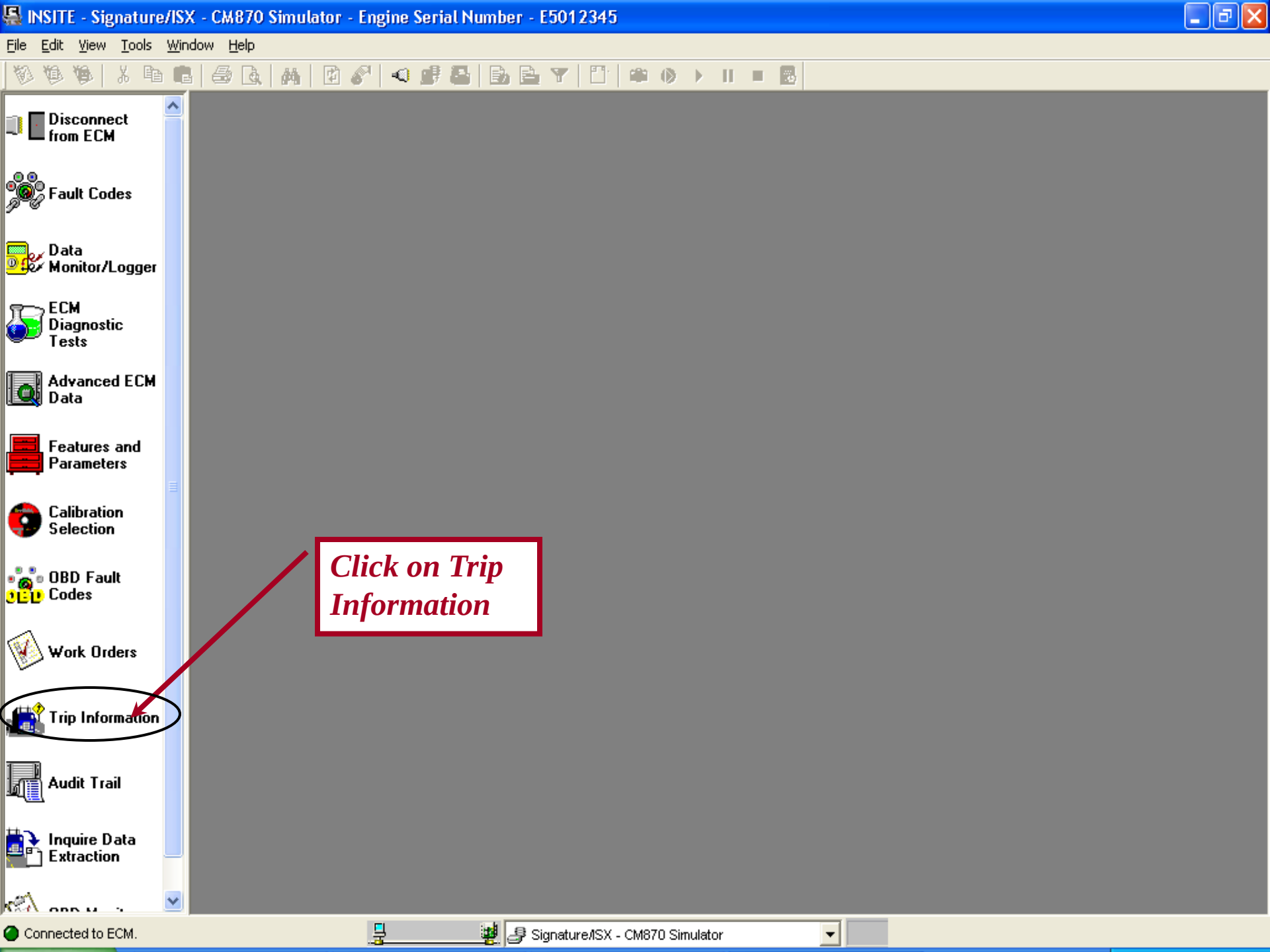
INSITE™ Trip Information

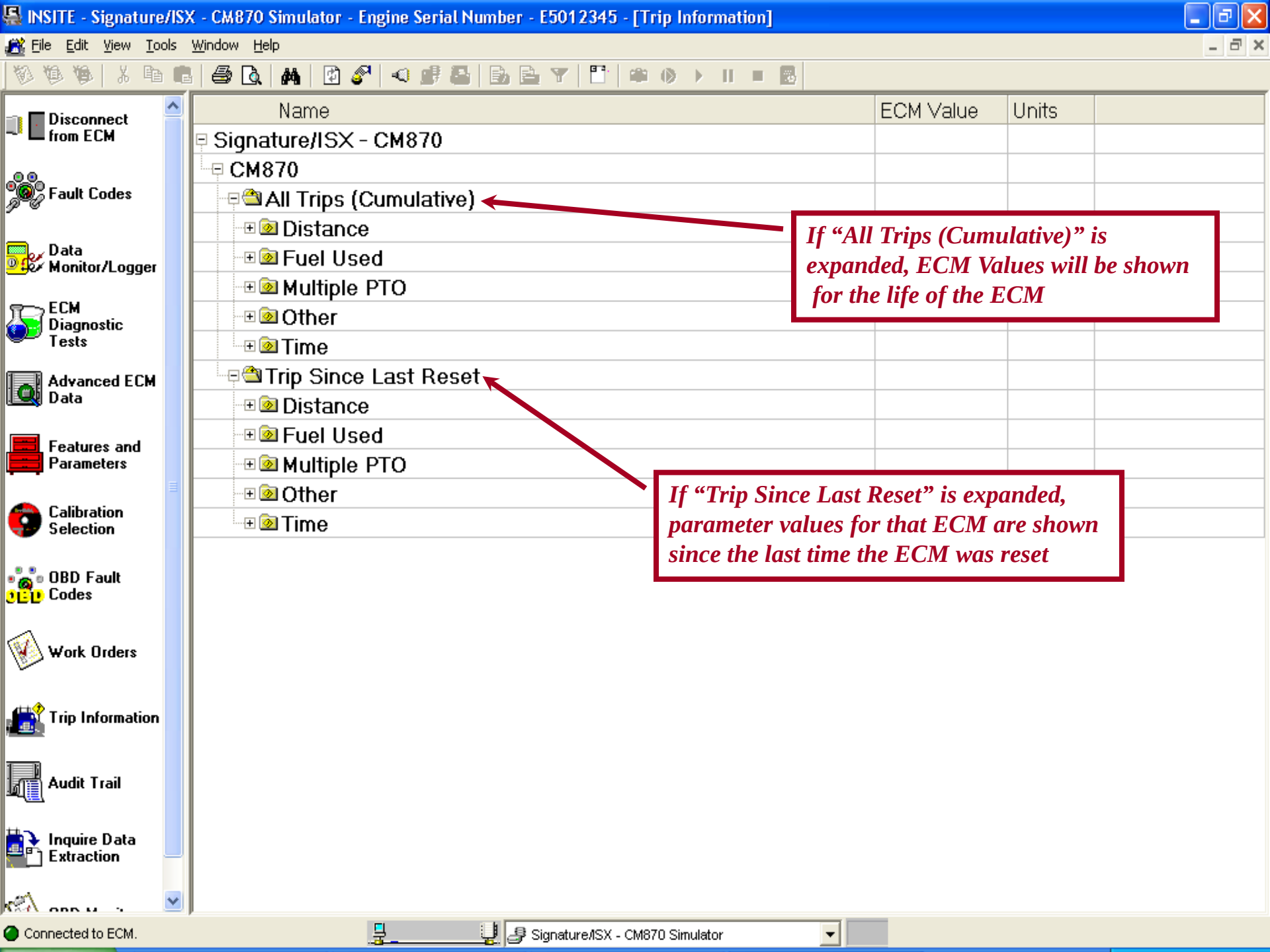
Electronic Service Tools

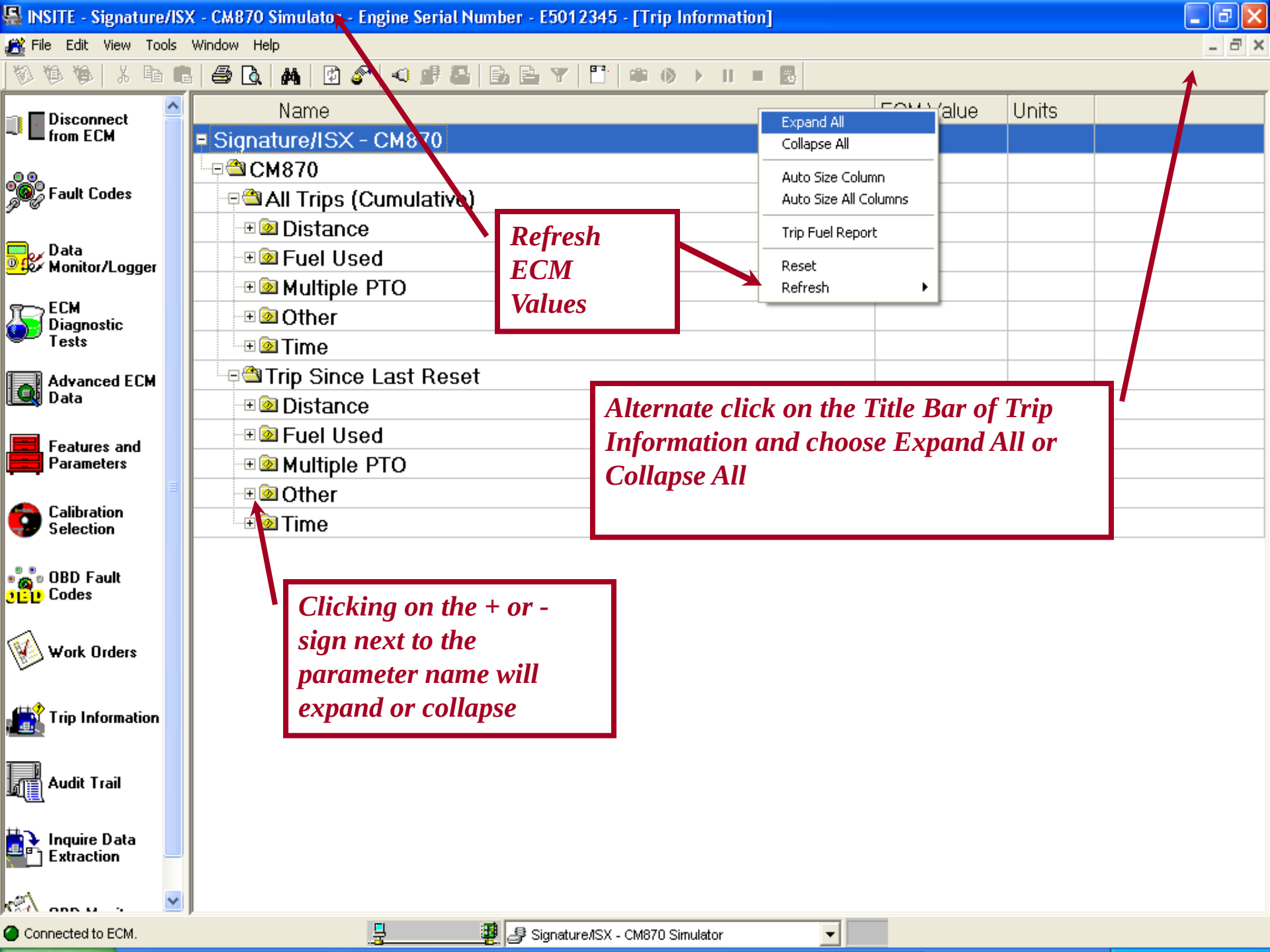
Innovation You Can Depend On™

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


INSITE - Signature/ISX - CM870 Simulator - Engine Serial Number - E5012345
File Edit View Tools Window Help
Disconnect from ECM
Fault Codes
Data Monitor/Logger
ECM Diagnostic Tests
Advanced ECM Data
Features and Parameters
Calibration Selection
OBD Fault Codes
Work Orders
Trip Information
Audit Trail
Inquire Data Extraction
Click on Trip Information
Connected to ECM.
Signature/ISX - CM870 Simulator

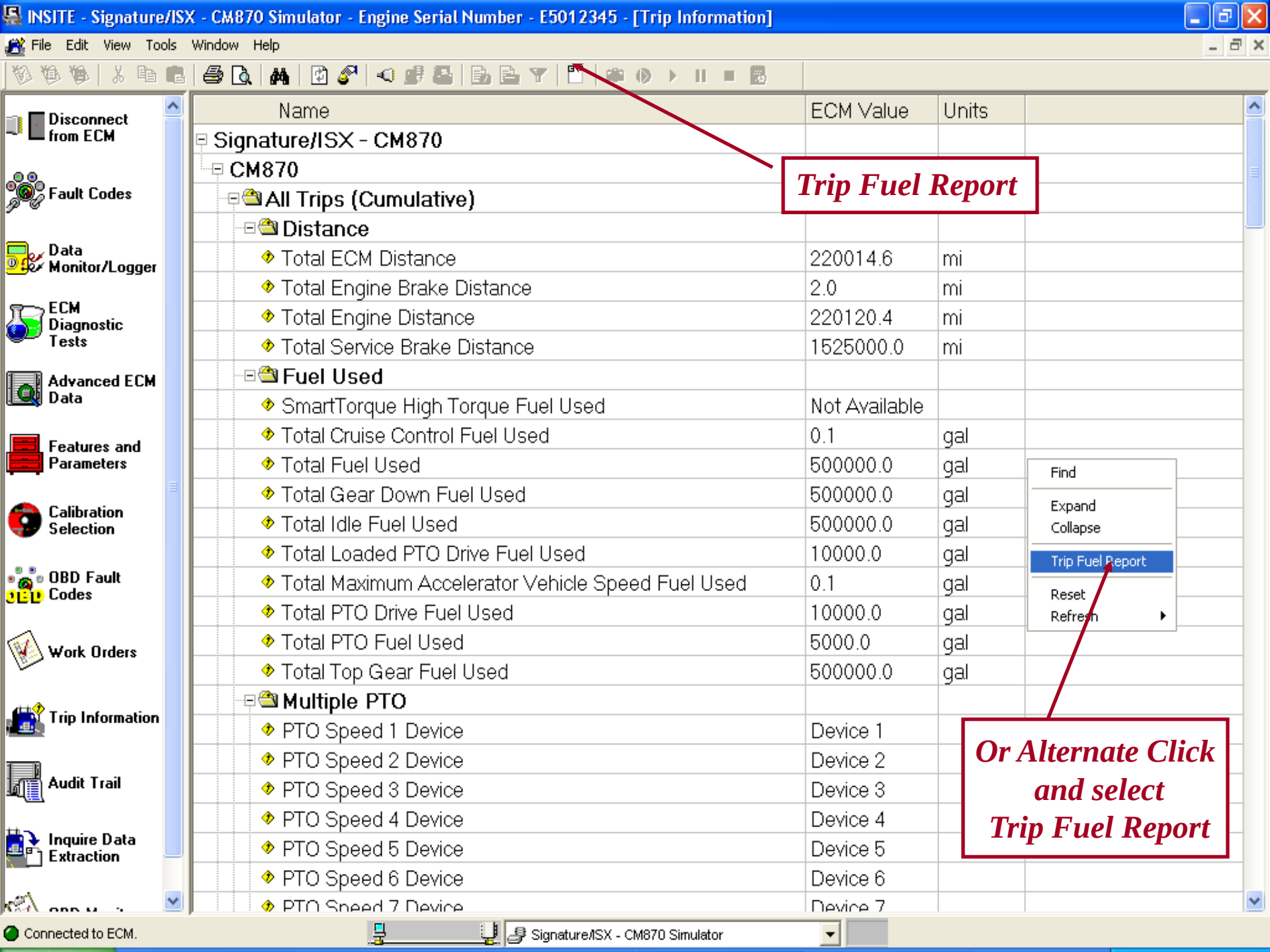

INSITE - Signature/ISX - CM870 Simulator - Engine Serial Number - E5012345 - [Trip Information]
File Edit View Tools Window Help
Disconnect from ECM
Fault Codes
Data Monitor/Logger
ECM Diagnostic Tests
Advanced ECM Data
Features and Parameters
Calibration Selection
OBD Fault Codes
Work Orders
Trip Information
Audit Trail
Inquire Data Extraction
Name
ECM Value
Units
Signature/ISX - CM870
CM870
All Trips (Cumulative)
Distance
Fuel Used
Multiple PTO
Other
Time
Trip Since Last Reset
Distance
Fuel Used
Multiple PTO
Other
Time
If "All Trips (Cumulative)" is expanded, ECM Values will be shown for the life of the ECM
If "Trip Since Last Reset" is expanded, parameter values for that ECM are shown since the last time the ECM was reset
Connected to ECM.
Signature/ISX - CM870 Simulator

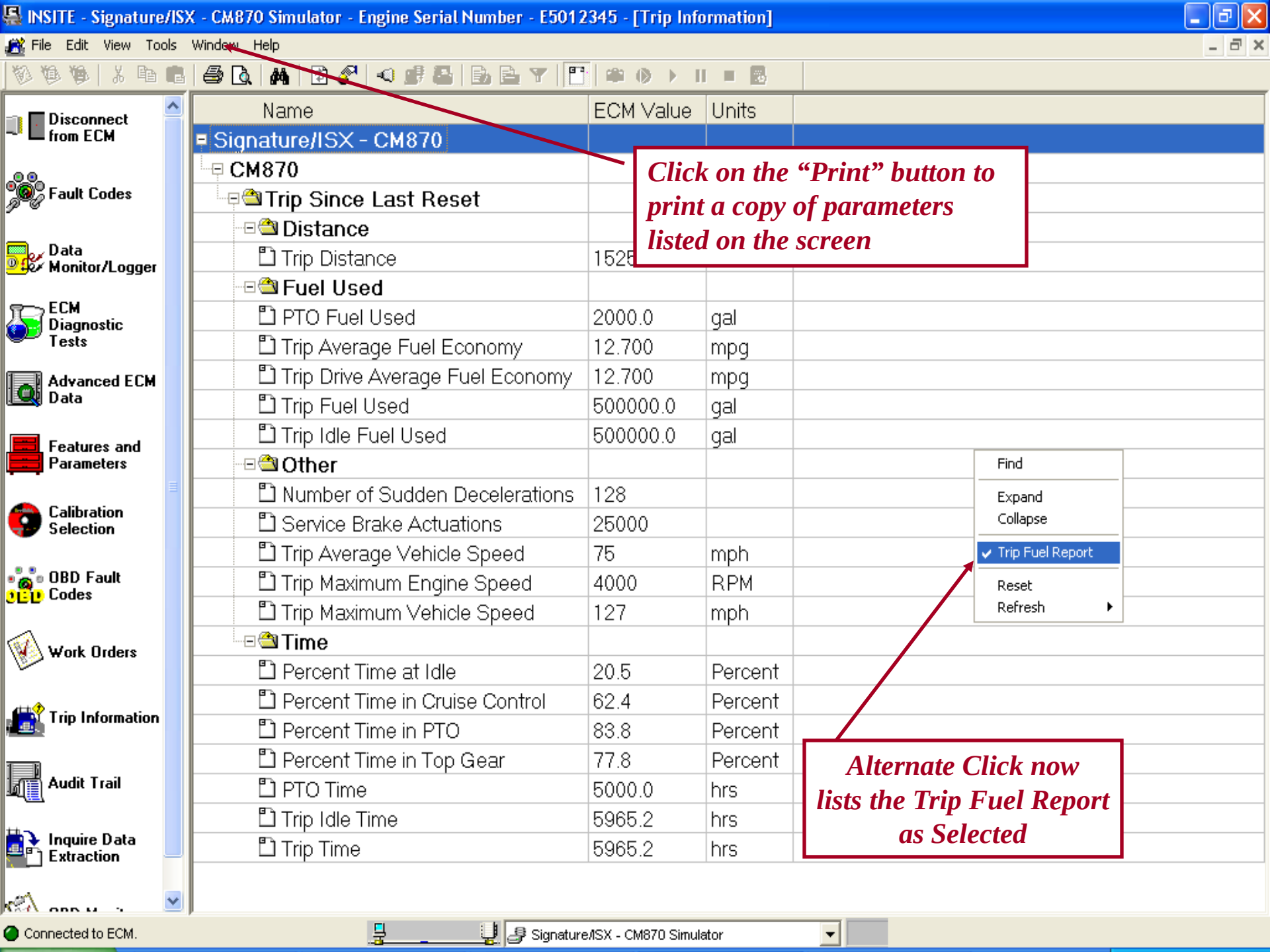

INSITE - Signature/ISX - CM870 Simulator - Engine Serial Number - E5012345 - [Trip Information]
File Edit View Tools Window Help
Disconnect from ECM
Fault Codes
Data Monitor/Logger
ECM Diagnostic Tests
Advanced ECM Data
Features and Parameters
Calibration Selection
OBD Fault Codes
Work Orders
Trip Information
Audit Trail
Inquire Data Extraction
Name
Value
Units
Signature/ISX - CM870
CM870
All Trips (Cumulative)
Distance
Fuel Used
Multiple PTO
Other
Time
Trip Since Last Reset
Distance
Fuel Used
Multiple PTO
Other
Time
Expand All
Collapse All
Auto Size Column
Auto Size All Columns
Trip Fuel Report
Reset
Refresh
Refresh ECM Values
Alternate click on the Title Bar of Trip Information and choose Expand All or Collapse All
Clicking on the + or - sign next to the parameter name will expand or collapse
Connected to ECM.
Signature/ISX - CM870 Simulator

Trip Information:
Trip Fuel Report

- A Trip Fuel Report is a condensed list of fueling parameters
- Available on any engine that supports Trip Information
- Can only be Printed from this view

Signature/ISX - CM870		
CM870		
All Trips (Cumulative)		
Distance		
Fuel Used		
SmartTorque High Torque Fuel Used	Not Available	
Total Cruise Control Fuel Used	0.1	gal
Total Fuel Used	500000.0	gal
Total Gear Down Fuel Used	500000.0	gal
Total Idle Fuel Used	500000.0	gal
Total Loaded PTO Drive Fuel Used	10000.0	gal
Total Maximum Accelerator Vehicle Speed Fuel Used	0.1	gal
Total PTO Drive Fuel Used	10000.0	gal
Total PTO Fuel Used	5000.0	gal
Total Top Gear Fuel Used	500000.0	gal
Multiple PTO		
Other		
Time		


INSITE - Signature/ISX - CM870 Simulator - Engine Serial Number - E5012345 - [Trip Information]
File Edit View Tools Window Help
Disconnect from ECM
Fault Codes
Data Monitor/Logger
ECM Diagnostic Tests
Advanced ECM Data
Features and Parameters
Calibration Selection
OBD Fault Codes
Work Orders
Trip Information
Audit Trail
Inquire Data Extraction
Name
ECM Value
Units
Signature/ISX - CM870
CM870
All Trips (Cumulative)
Distance
Total ECM Distance 220014.6 mi
Total Engine Brake Distance 2.0 mi
Total Engine Distance 220120.4 mi
Total Service Brake Distance 1525000.0 mi
Fuel Used
SmartTorque High Torque Fuel Used Not Available
Total Cruise Control Fuel Used 0.1 gal
Total Fuel Used 500000.0 gal
Total Gear Down Fuel Used 500000.0 gal
Total Idle Fuel Used 500000.0 gal
Total Loaded PTO Drive Fuel Used 10000.0 gal
Total Maximum Accelerator Vehicle Speed Fuel Used 0.1 gal
Total PTO Drive Fuel Used 10000.0 gal
Total PTO Fuel Used 5000.0 gal
Total Top Gear Fuel Used 500000.0 gal
Multiple PTO
PTO Speed 1 Device Device 1
PTO Speed 2 Device Device 2
PTO Speed 3 Device Device 3
PTO Speed 4 Device Device 4
PTO Speed 5 Device Device 5
PTO Speed 6 Device Device 6
PTO Speed 7 Device Device 7
Find
Expand
Collapse
Trip Fuel Report
Reset
Refresh
Trip Fuel Report
Or Alternate Click and select Trip Fuel Report
Connected to ECM.
Signature/ISX - CM870 Simulator


INSITE - Signature/ISX - CM870 Simulator - Engine Serial Number - E5012345 - [Trip Information]
File Edit View Tools Window Help
Disconnect from ECM
Fault Codes
Data Monitor/Logger
ECM Diagnostic Tests
Advanced ECM Data
Features and Parameters
Calibration Selection
OBD Fault Codes
Work Orders
Trip Information
Audit Trail
Inquire Data Extraction
Name
ECM Value
Units
Signature/ISX - CM870
CM870
Trip Since Last Reset
Distance
Trip Distance
1525
Fuel Used
PTO Fuel Used 2000.0 gal
Trip Average Fuel Economy 12.700 mpg
Trip Drive Average Fuel Economy 12.700 mpg
Trip Fuel Used 500000.0 gal
Trip Idle Fuel Used 500000.0 gal
Other
Number of Sudden Decelerations 128
Service Brake Actuations 25000
Trip Average Vehicle Speed 75 mph
Trip Maximum Engine Speed 4000 RPM
Trip Maximum Vehicle Speed 127 mph
Time
Percent Time at Idle 20.5 Percent
Percent Time in Cruise Control 62.4 Percent
Percent Time in PTO 83.8 Percent
Percent Time in Top Gear 77.8 Percent
PTO Time 5000.0 hrs
Trip Idle Time 5965.2 hrs
Trip Time 5965.2 hrs
Find
Expand
Collapse
Trip Fuel Report
Reset
Refresh
Click on the "Print" button to print a copy of parameters listed on the screen
Alternate Click now lists the Trip Fuel Report as Selected
Connected to ECM.
Signature/ISX - CM870 Simulator

Trip Information

Trip Information may be printed when connected to the ECM or Image

- Tool Bar Printer Icon
- File → Print

Trip Information
Company Name :Cummins
Customer Name :Customer
Customer Unit Number :623
Engine Serial Number :E5012345
Work Order Name :NA
ECM Image Name :NA

Name	ECM Value	Units
Signature/ISX - CM870		
CM870		
All Trips (Cumulative)		
Distance		
Total ECM Distance	220014.6	mi
Total Engine Brake Distance	2	mi
Total Engine Distance	220120.4	mi
Total Service Brake Distance	1525000	mi
Fuel Used		
Total Cruise Control Fuel Used	0.1	gal
Total Fuel Used	500000	gal
Total Gear Down Fuel Used	500000	gal
Total Idle Fuel Used	500000	gal
Total Loaded PTO Drive Fuel Used	10000	gal
Total Maximum Accelerator Vehicle Speed Fuel Used	0.1	gal
Total PTO Drive Fuel Used	10000	gal
Total PTO Fuel Used	5000	gal
Total Top Gear Fuel Used	500000	gal
Vocational Smart Power High Horsepower Fuel Used	450	gal
Multiple PTO		
PTO Speed1 Device	Device 1	
PTO Speed2 Device	Device 2	
PTO Speed3 Device	Device 3	
PTO Speed4 Device	Device 4	
PTO Speed5 Device	Device 5	
PTO Speed6 Device	Device 6	
PTO Speed7 Device	Device 7	
PTO Speed8 Device	Device 8	

Trip Information Wrap Up

- 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

You have concluded this section of the training.

Please click to the next slide and continue or Click Here to return to the Table of Content.

INSITE™ Work Orders

Electronic Service Tools

Innovation You Can Depend On™

Work Orders

- A Work Order is the top level identifier that contains the ECM image(s). Work Orders can be used for tracking vehicle and equipment repair history.
- An Image is a copy of the ECM data
- Work Orders may contain multiple Images
  - By default, an “Initial” image is created when connecting to an ECM with the Work Order Mode enabled
  - By default, a “Final” image is created when disconnecting from an ECM with the Work Order Mode enabled
  - Additional “User” images may be created under each Work Order while connected to the ECM
- Work Orders can be created automatically by INSITE™ or manually by the user

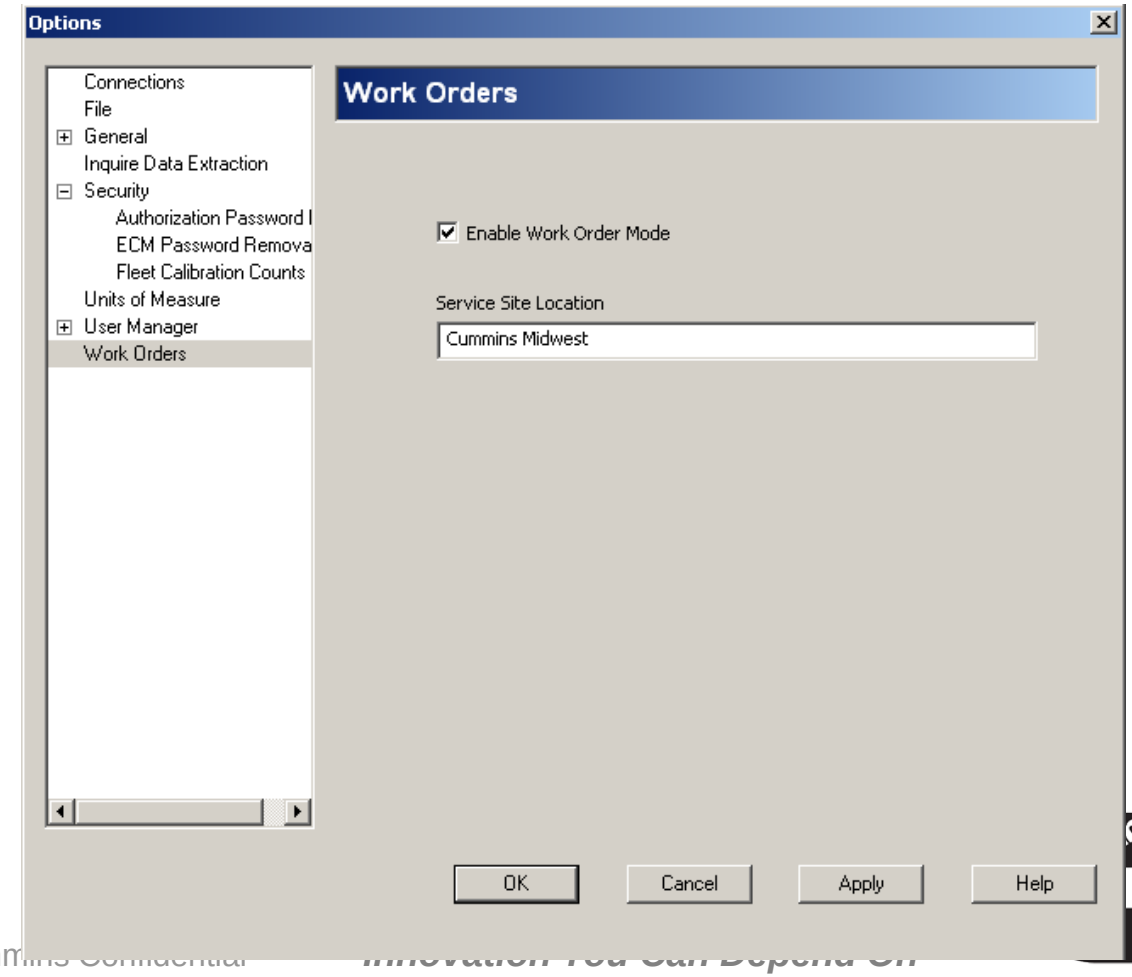
Work Orders

To have INSITE™ automatically create Work Orders when connecting and disconnecting:

Select Tools → Options → Work Orders

- Select “Enable Work Order Mode”

By default this feature is Enabled when INSITE™ is installed.

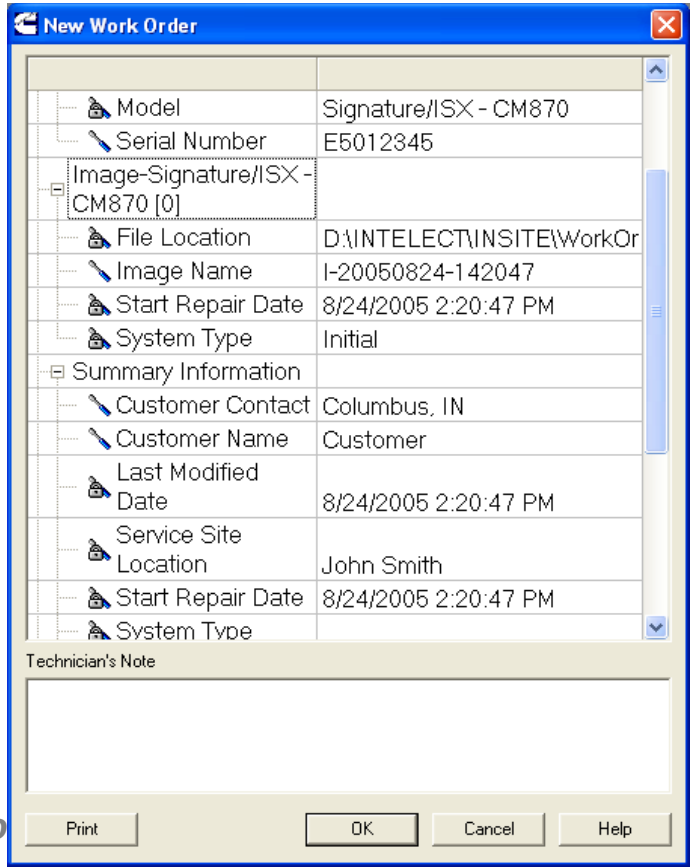


Work Orders

- When connected to an ECM, only Work Orders compatible with that ECM serial number will be displayed
- Disconnect from an ECM to view all Work Orders
- Work Order and Image names are defaulted to a Date – Time format (i.e. WO-20041027-145950 = 10/27/2004-2:59:50). These names can be changed at the time of creation or under the Work Order properties to help identify the specific customer, vehicle or equipment

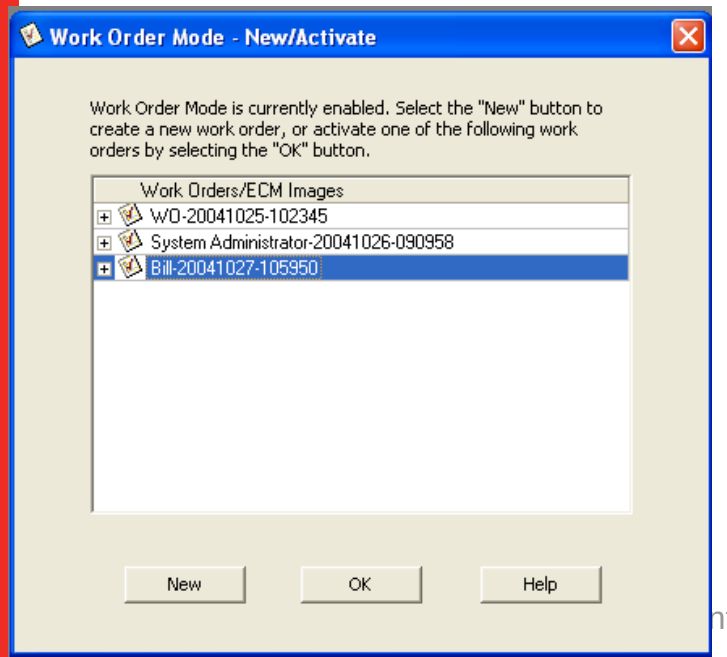
Work Orders

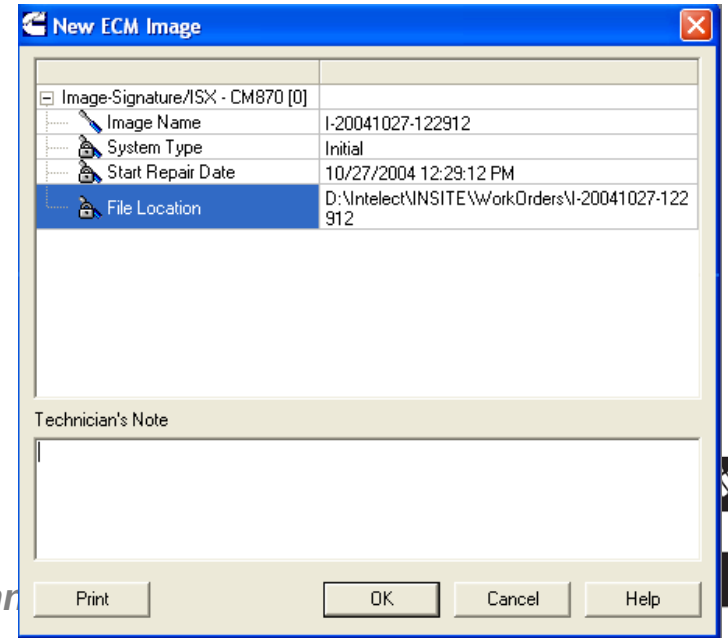
- With Work Order Mode enabled and no compatible Work Orders exist, a New Work Order dialog will be displayed after connection to the ECM
  - Enter the Work Order Number, Image Name and Select OK
  - If you do not wish to create a new Work Order, select Cancel



Work Orders

- With Work Order Mode enabled and compatible Work Orders exist, the New/Activate Work Order dialog will be displayed after connection to the ECM
  - Select New to create a new Work Order
  - OR: Select one of the compatible Work Orders in which to create a new Image and select OK
    - Enter the Image Name and confirm the creation by selecting OK
    - OR: Select Cancel if you do not wish to create an Image



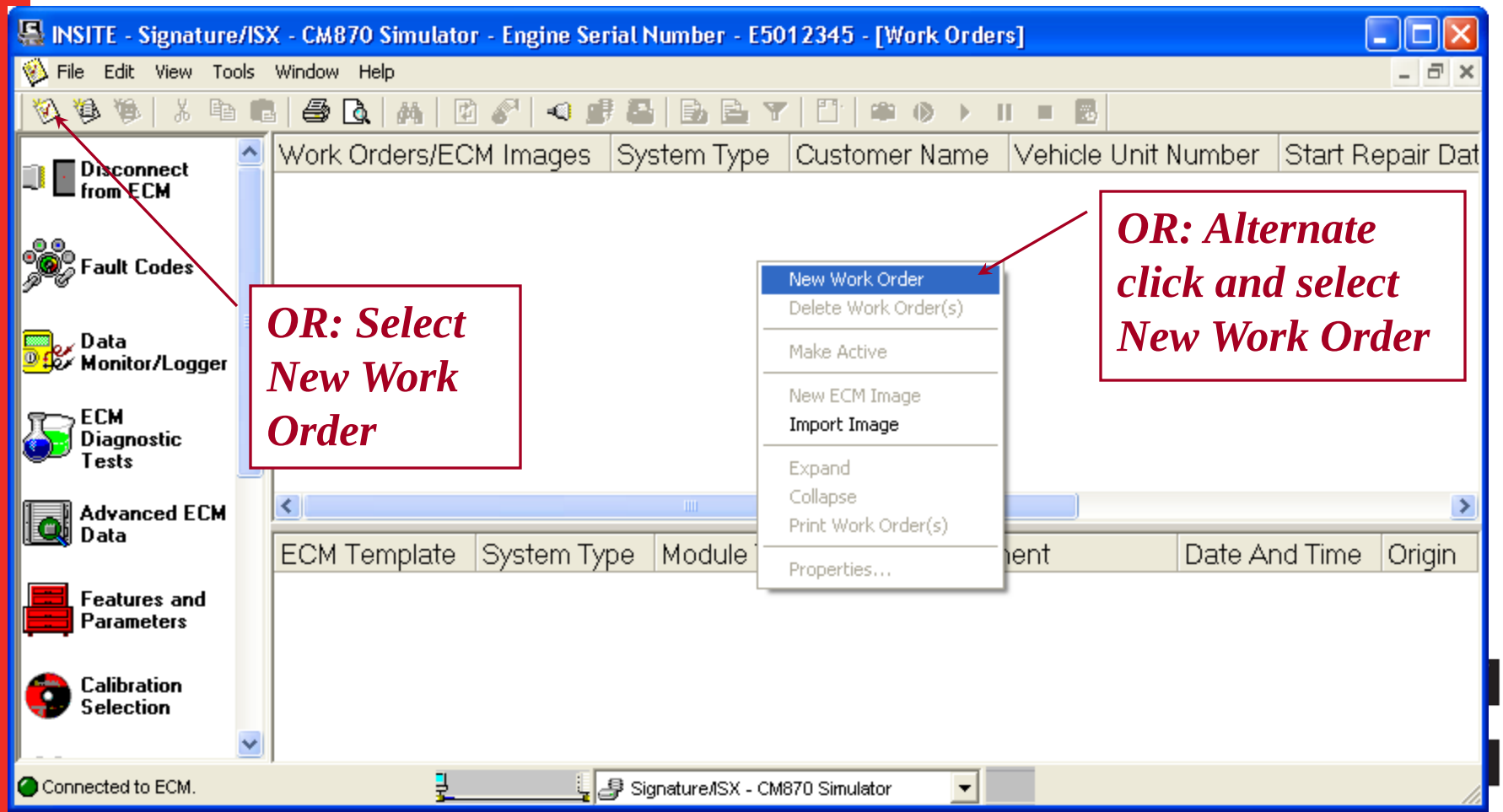


nfidential Inn

Work Orders

Manually creating New Work Orders

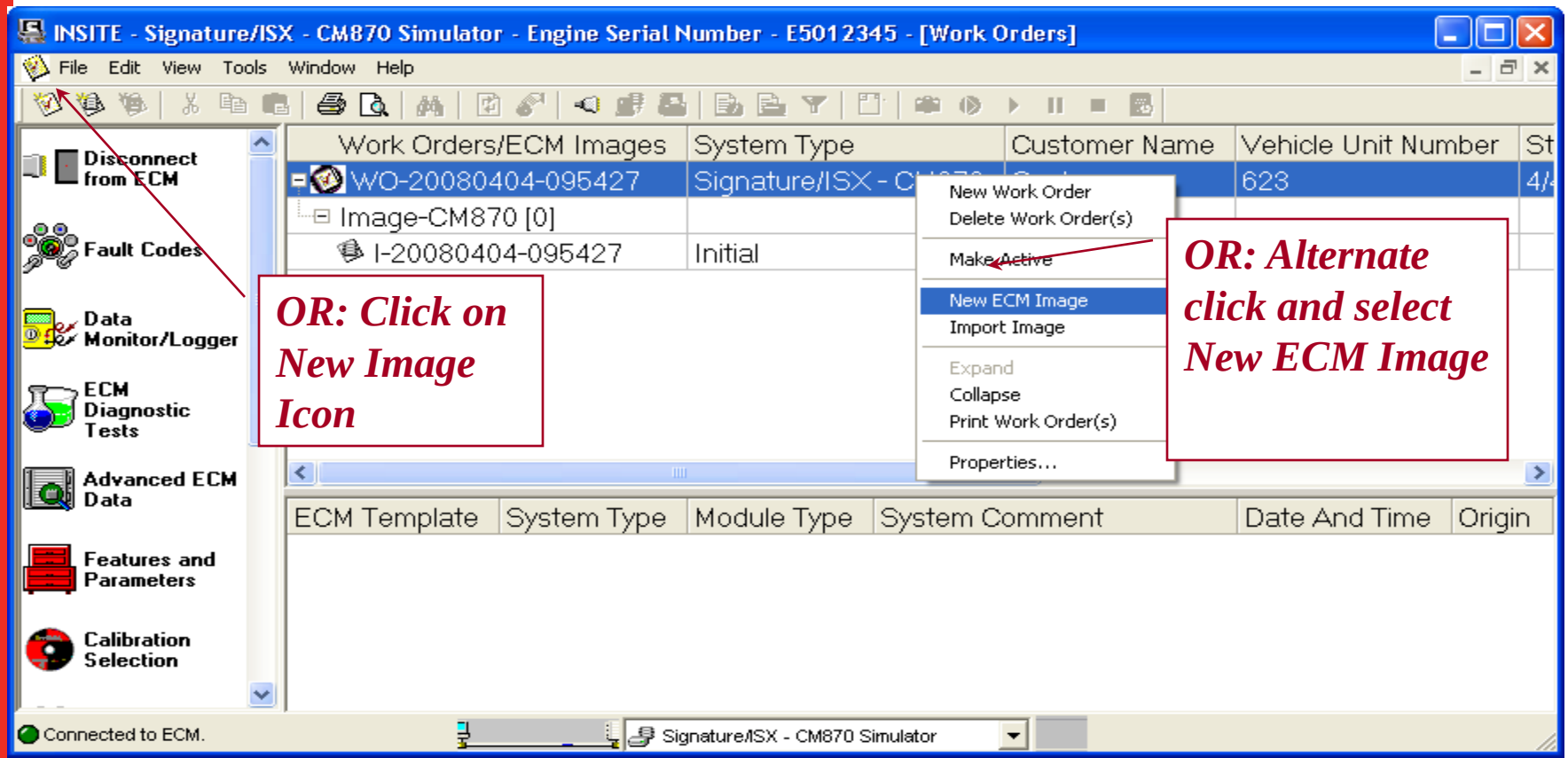
- Select File → New → Work Order…



Work Orders

Manually creating New ECM Image

- Select File → New → ECM Image…
- The new Image will be created in the Active Work Order

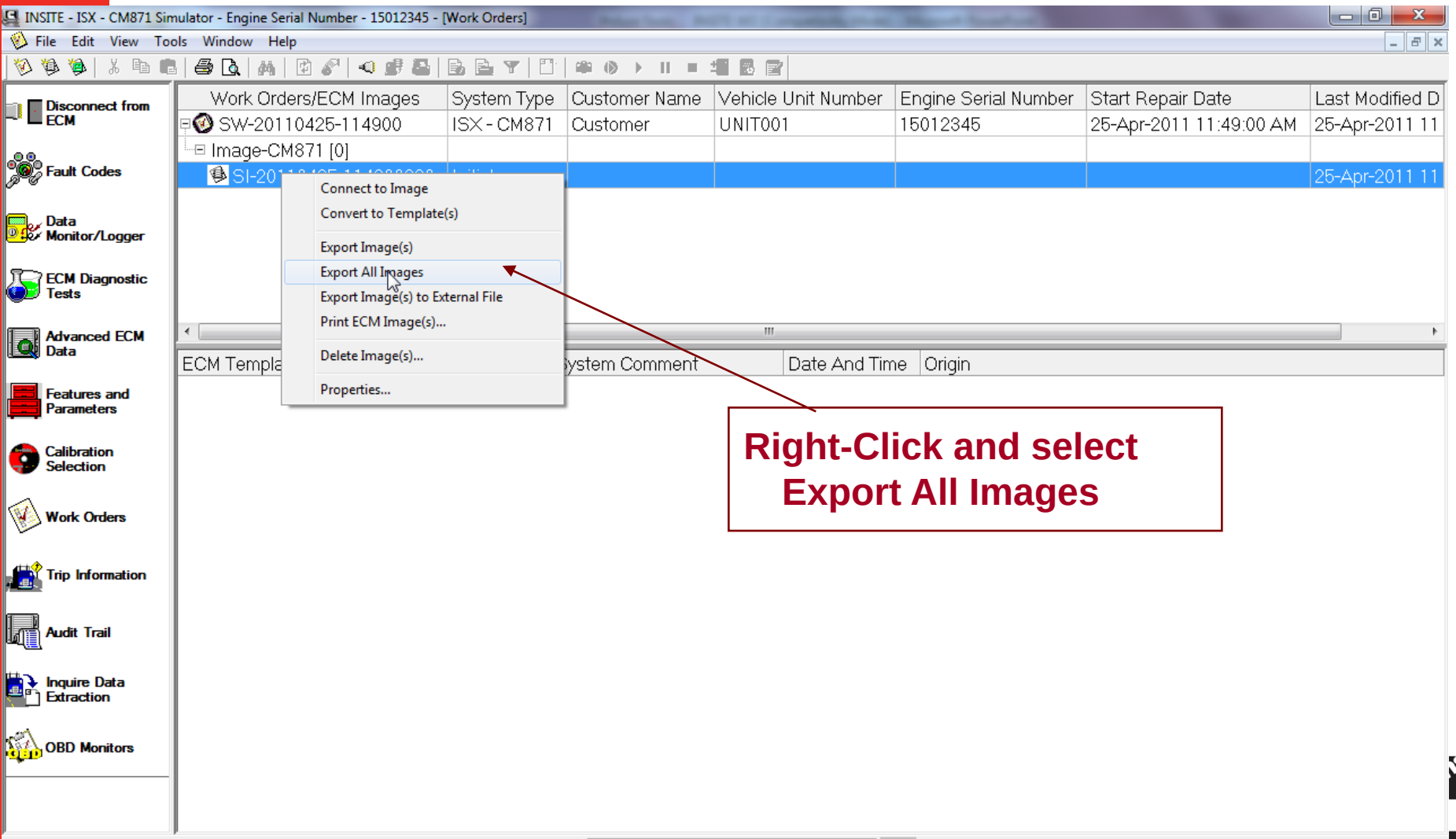


Work Orders

- Each image can be exported for use in two ways:
  - Exported as an INSITE compatible file, .eif (exported image file) to be imported by another user with INSITE
  - To an external file, “Image Name.csv” (Comma Separated Value)
    - This format can be opened with Excel, Word, Notepad, etc.

- All Work Order images can be exported using the right-click menu and selecting the ‘Export All Images’ option. Highlight the Work Order image and right-click to export all images

Work Orders


INSITE - ISX - CM871 Simulator - Engine Serial Number - 15012345 - [Work Orders]
File Edit View Tools Window Help
Disconnect from ECM
Fault Codes
Data Monitor/Logger
ECM Diagnostic Tests
Advanced ECM Data
Features and Parameters
Calibration Selection
Work Orders
Trip Information
Audit Trail
Inquire Data Extraction
OBD Monitors
Work Orders/ECM Images
System Type
Customer Name
Vehicle Unit Number
Engine Serial Number
Start Repair Date
Last Modified D
SW-20110425-114900
ISX - CM871
Customer
UNIT001
15012345
25-Apr-2011 11:49:00 AM
25-Apr-2011 11
Image-CM871 [0]
25-Apr-2011 11
Connect to Image
Convert to Template(s)
Export Image(s)
Export All Images
Export Image(s) to External File
Print ECM Image(s)...
Delete Image(s)...
Properties...
ECM Templa
ystem Comment
Date And Time
Origin
Right-Click and select
Export All Images
Connected to ECM.
ISX - CM871 Simulator

Work Orders

- Importing an Image
  - Alternate Click in the Work Order area and select Import Image
  - Select the Image to be imported

- Opening an Image
  - INSITE's exported ECM images (.eif) can be opened by double clicking .eif file
  - INSITE™ will open, import the image, and automatically connect to it
    - If INSITE™ is already open, the ECM image will be imported but not automatically connected
- Convert to a Template
  - Alternate Click on the Image and select Convert to Template
  - Templates provide a means of configuring multiple ECM's with the same base parameter settings

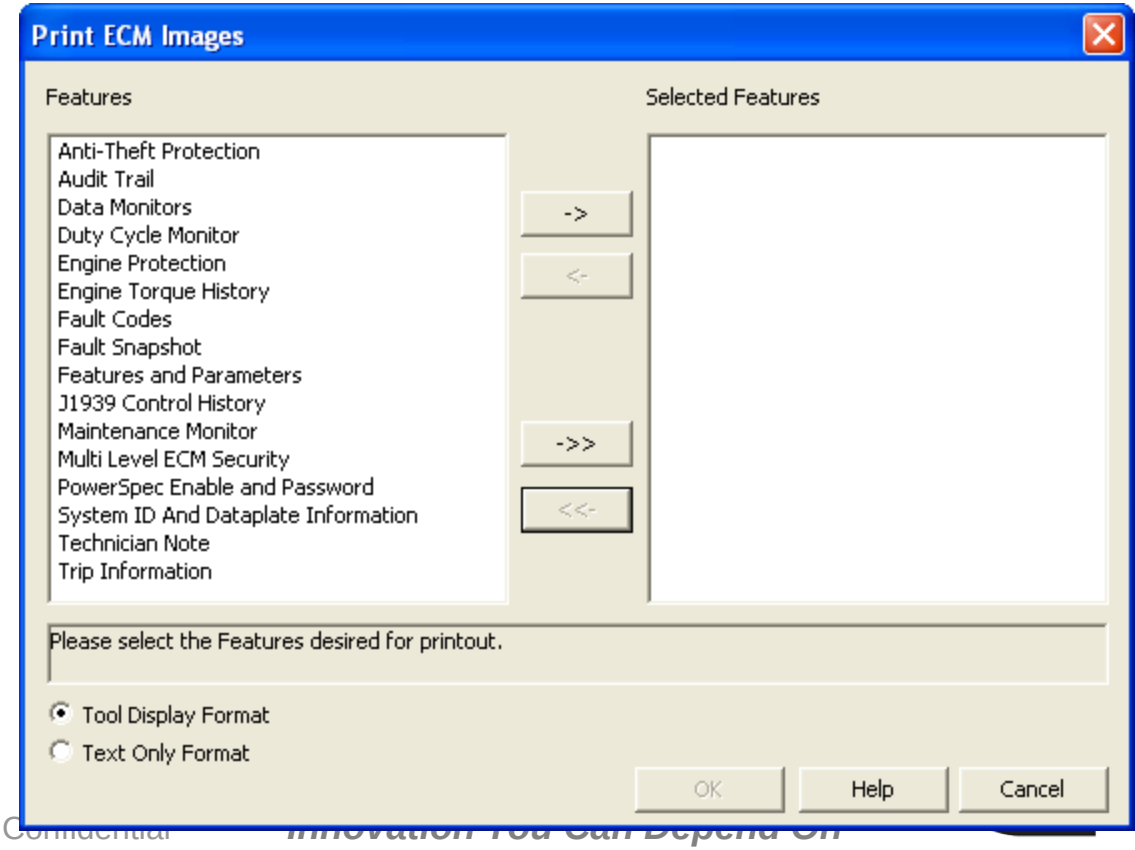
Work Orders

Printing ECM Images

- Select the ECM Image
  - Select File → Print
  - OR: Alternate right click – Print ECM Image(s)

Select single features with (- >) or all with (- >>)

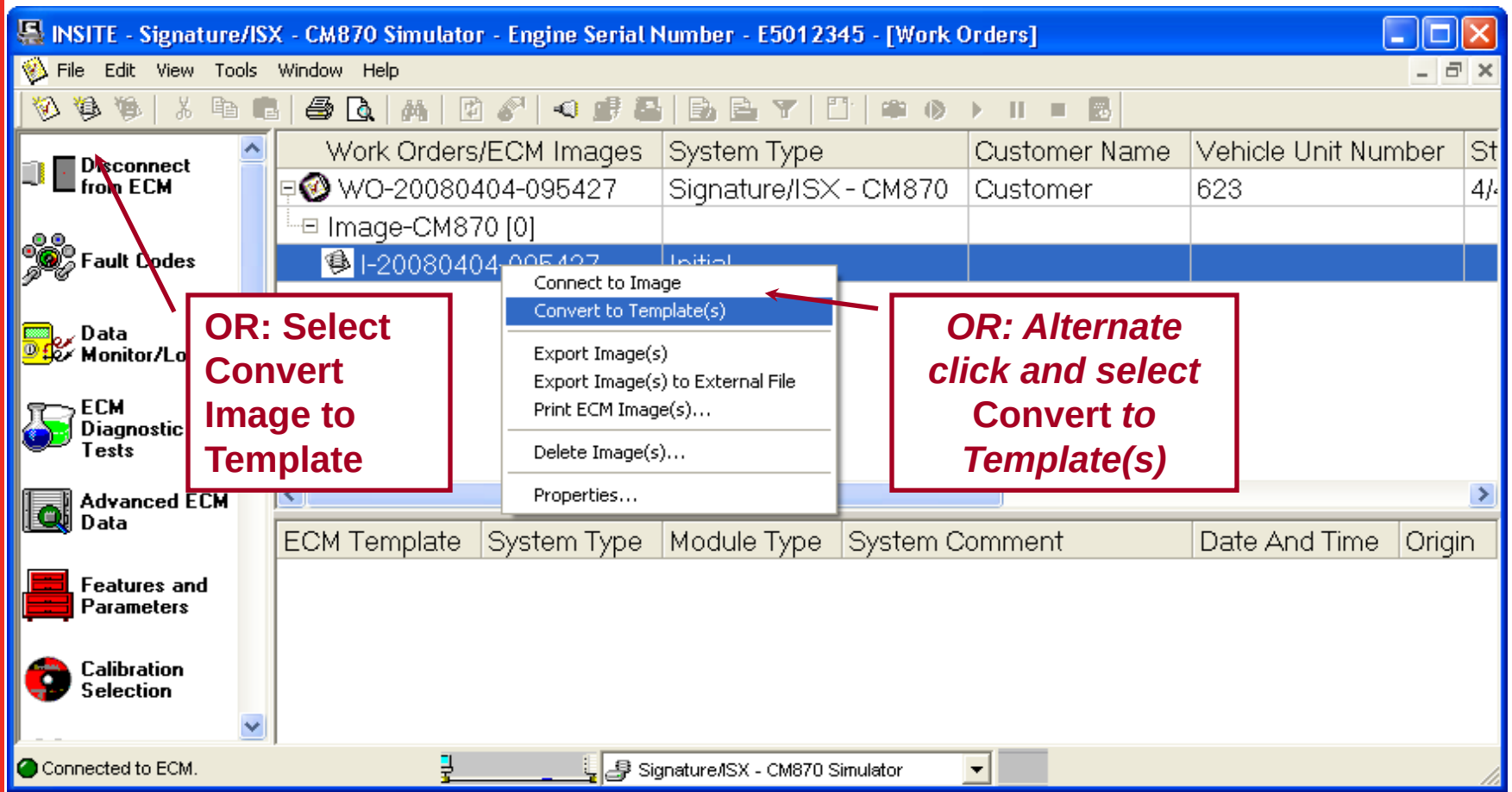
Select* Tool *Display for Graphical print or Text Only Format



Templates

Templates can be created from an ECM Image to allow transferring the same Feature and Parameter setup from that Image to multiple ECMs

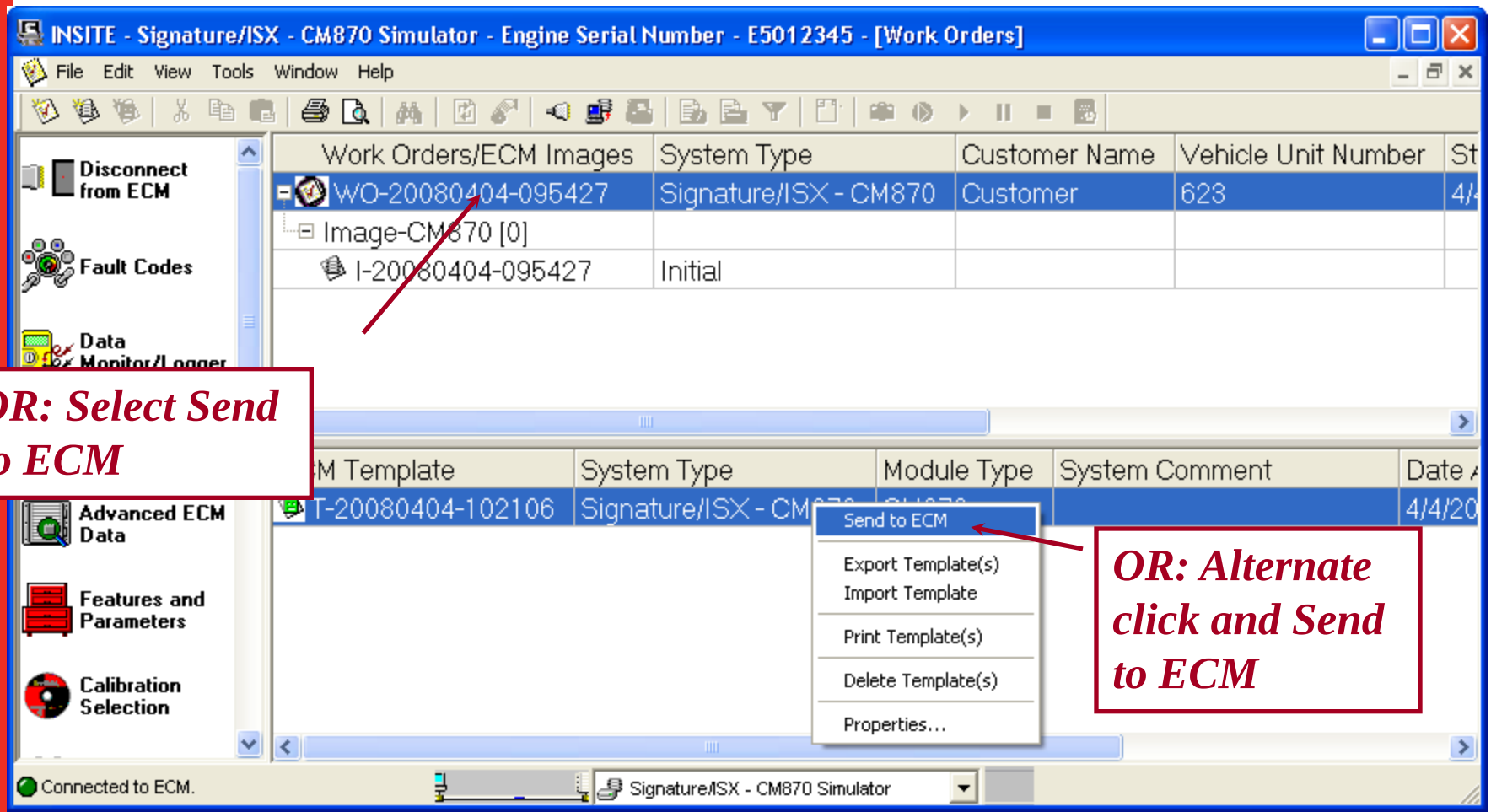
- Select Image then select File → Convert → ECM Template



Templates

To send a template to an ECM, select the Template:

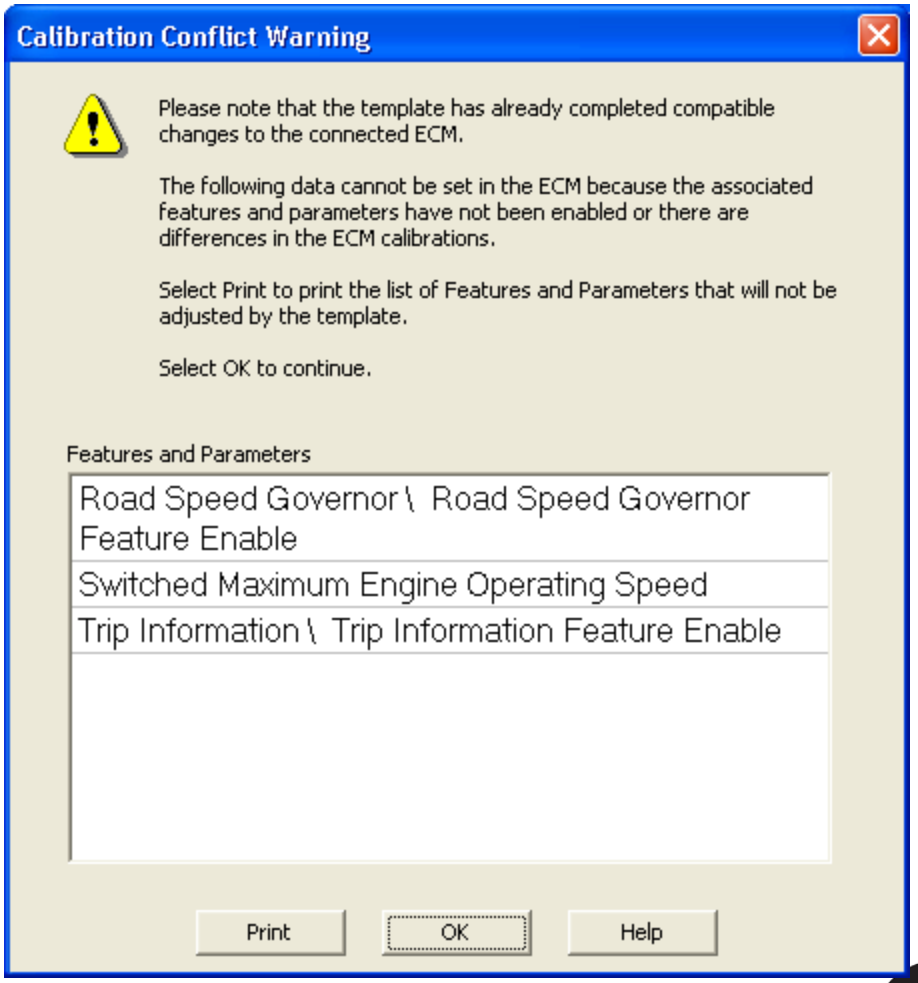
- Select File → Send To → ECM...



Templates

Template Report

- Ability to report which parameters were not able to be written to ECM
- User can use this to setup the vehicle accordingly



Work Order Wrap Up

- A Work Order is the top level identifier and can contain multiple ECM Images
- Only compatible Work Orders are displayed when connected to an ECM. All Work Orders will display when not connected
- Work Order Mode is defaulted ON and can be used to create Initial and Final Images upon Connect and Disconnect respectively
- Images can be converted to Templates to allow the Features and Parameters from that Image to be transferred to other ECMs

You have concluded this section of the training.

Please click to the next slide and continue or Click Here to return to the Table of Content.

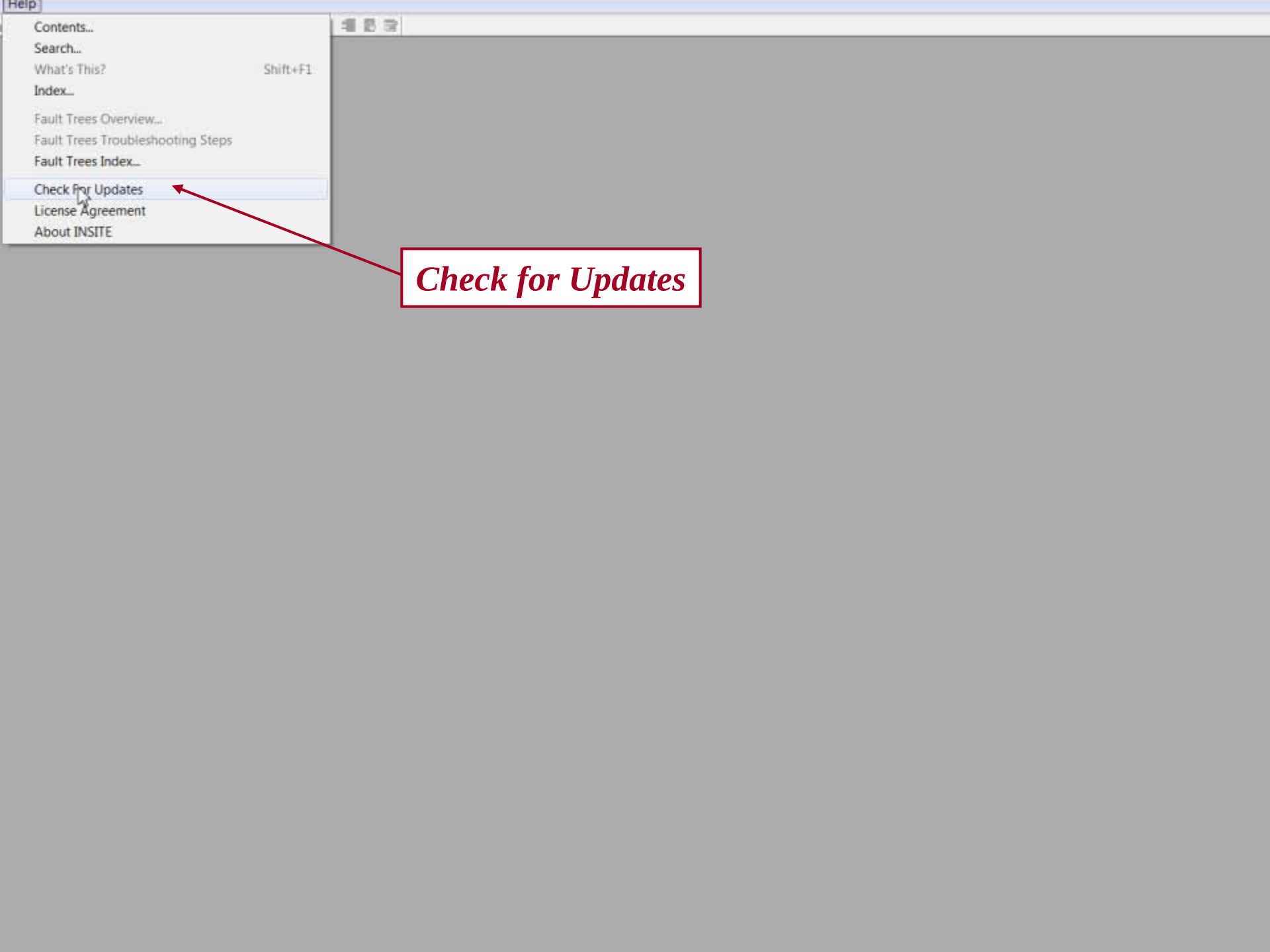
Cummins® Inc. Update Manager

Electronic Service Tools

Innovation You Can Depend On™

Cummins® Inc.
Update Manager Overview

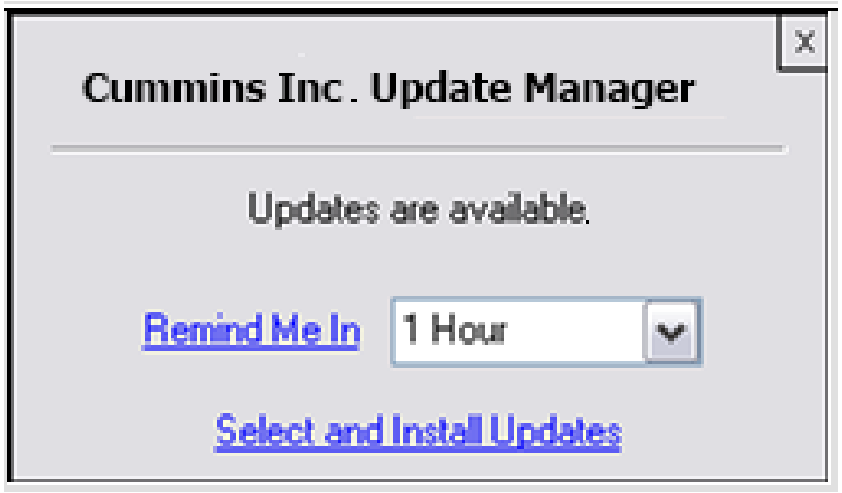
- Provides up-to-date information for INSITE™
  - Fault Information System (FIS) files
  - Help and Manual files
  - Feature Packs
  - Service Packs
- Provides an Automatic Update Notification Alert when updates are available through the internet

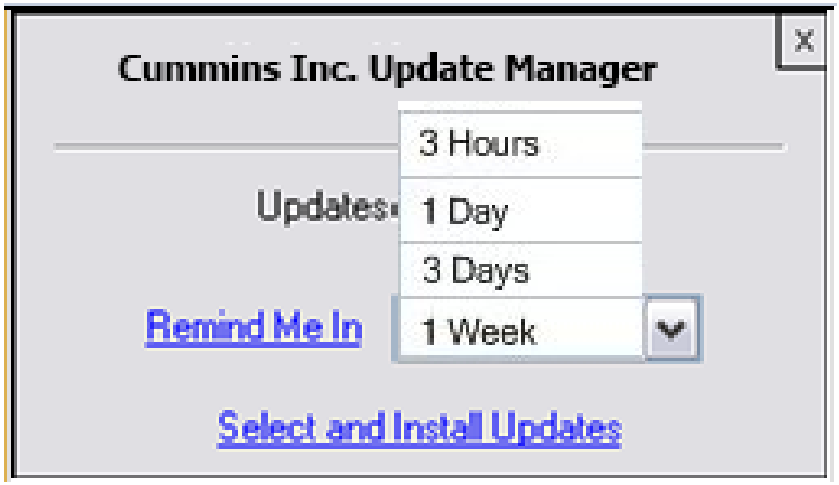

Help
Contents...
Search...
What's This? Shift+F1
Index...
Fault Trees Overview...
Fault Trees Troubleshooting Steps
Fault Trees Index...
Check For Updates
License Agreement
About INSITE
Check for Updates

Automatic Update Notification Alert

The Automatic Update Notification Alert will display at a specified day and time if updates are available

Choose “Remind Me In” or “Select and Install Updates”

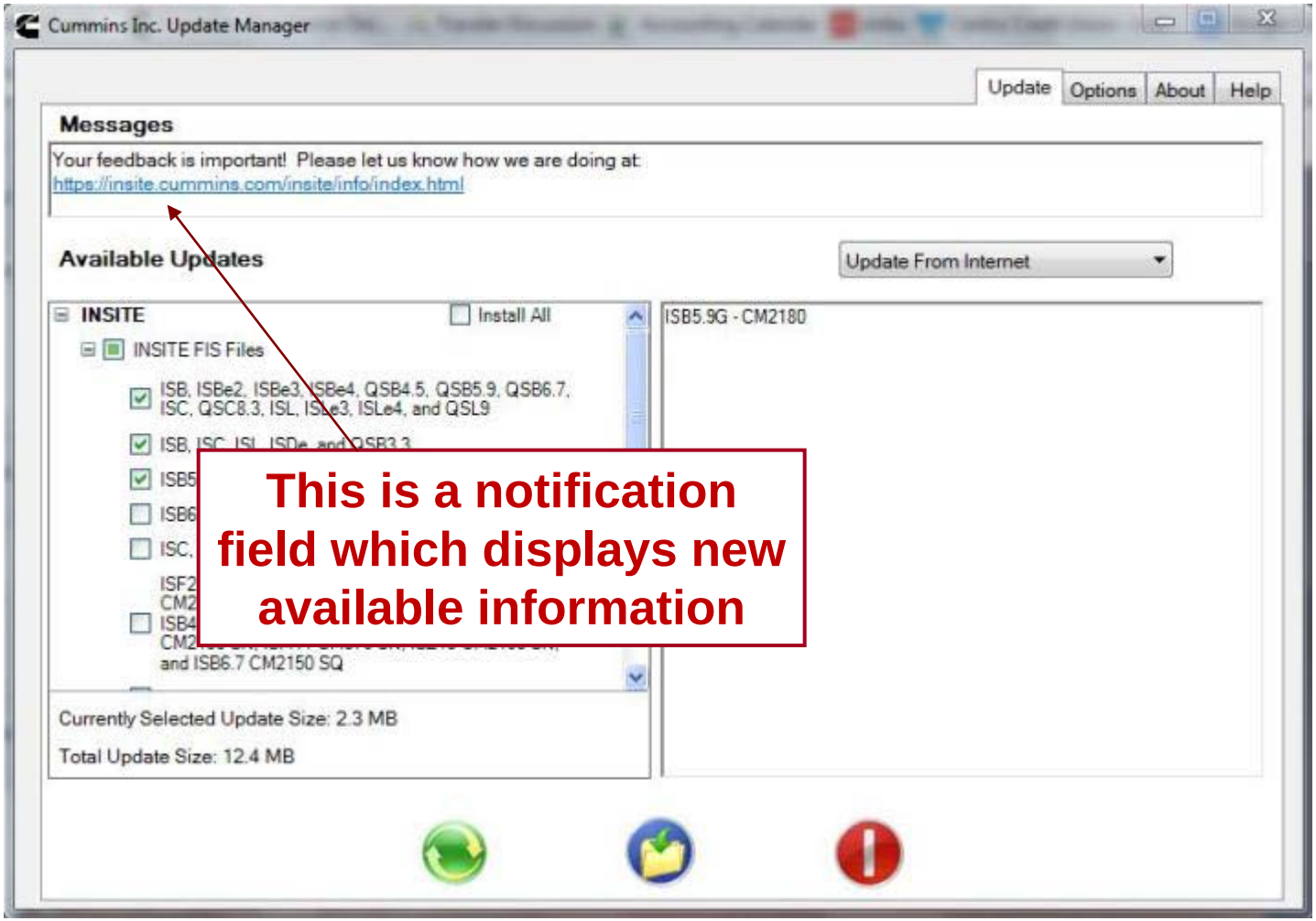




Check for Updates Manually

- Updates can be manually checked through the following:
  - INSITE > Help > Check for Updates
  - Open the Cummins Inc Update Manager and click on “Get Updates” button in the lower left part of the window.

Message Box



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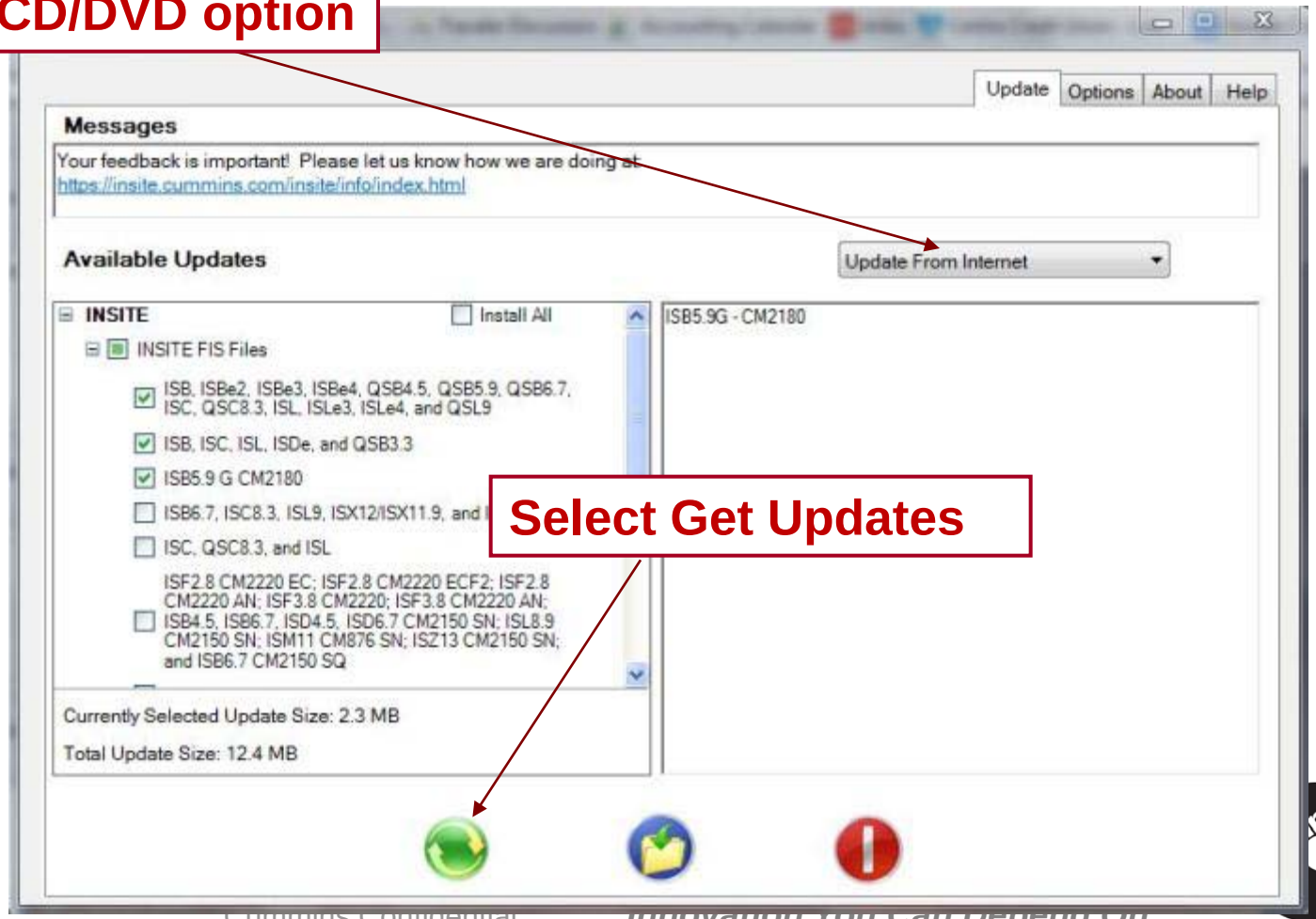
Get Updates From Internet/CD

Choose Update from Internet, Update from Other, or CD/DVD option



Select Get Updates

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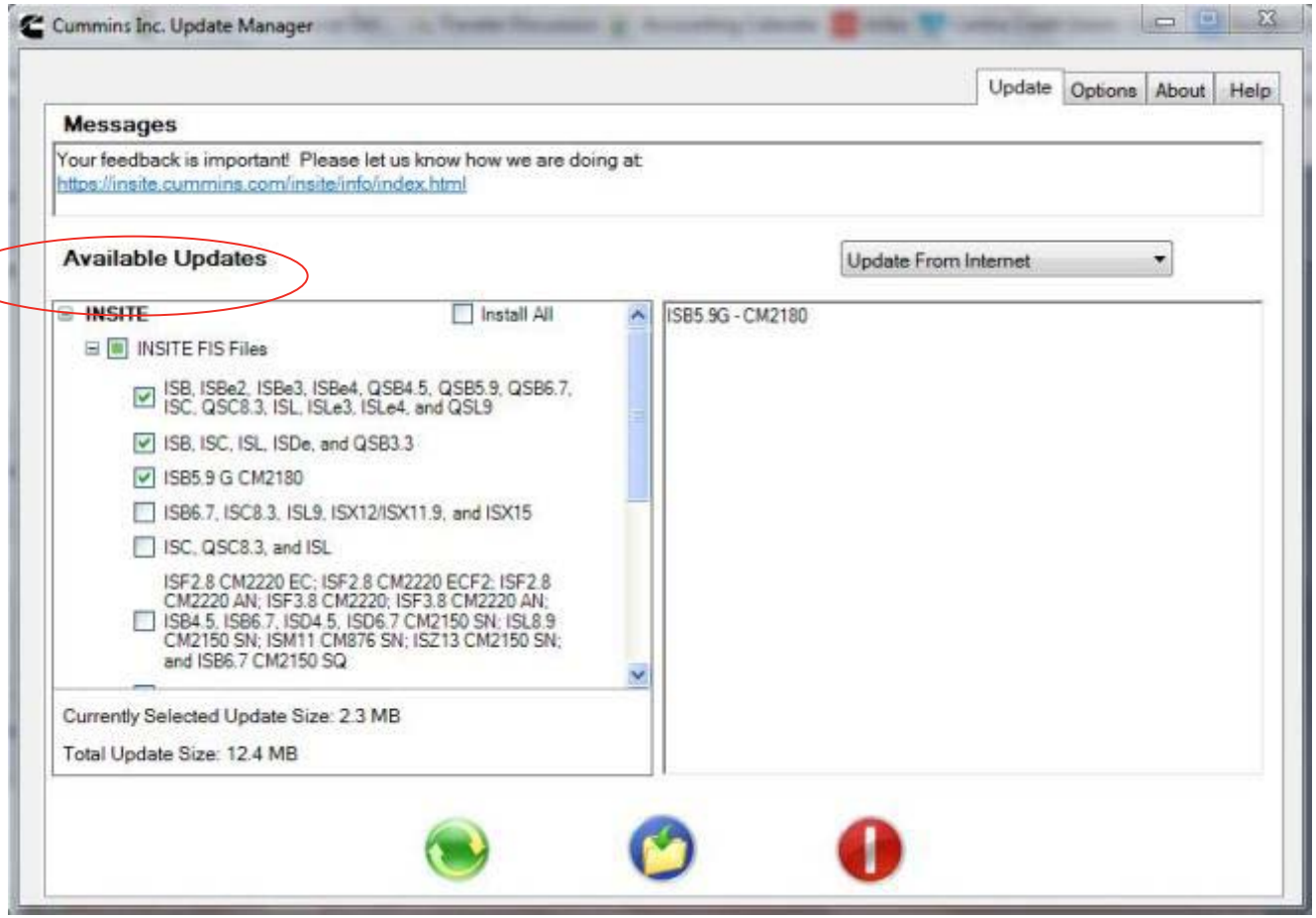
Checking for Updates - Internet



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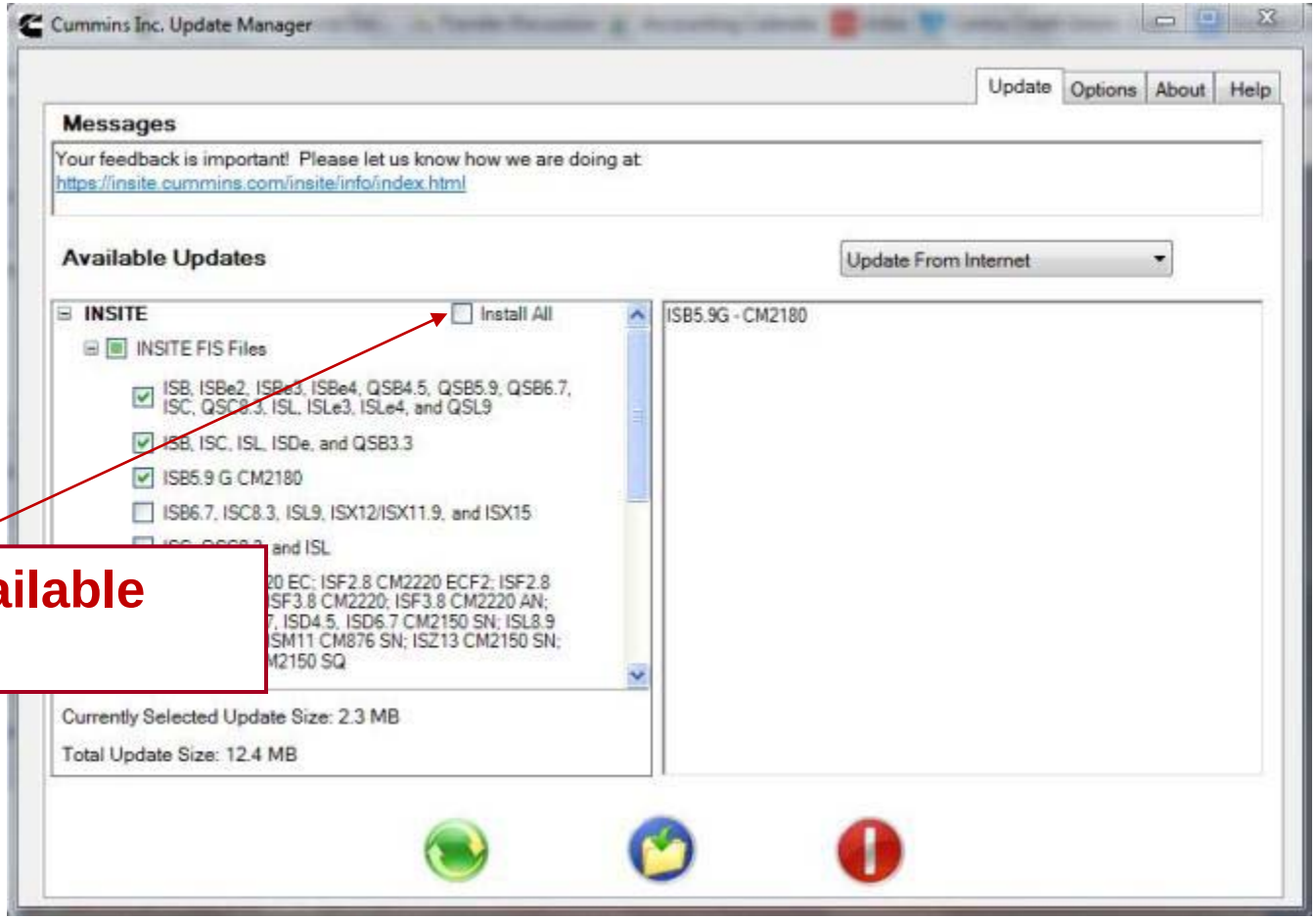
Available Updates – Install All INSITE Updates



Install All available updates

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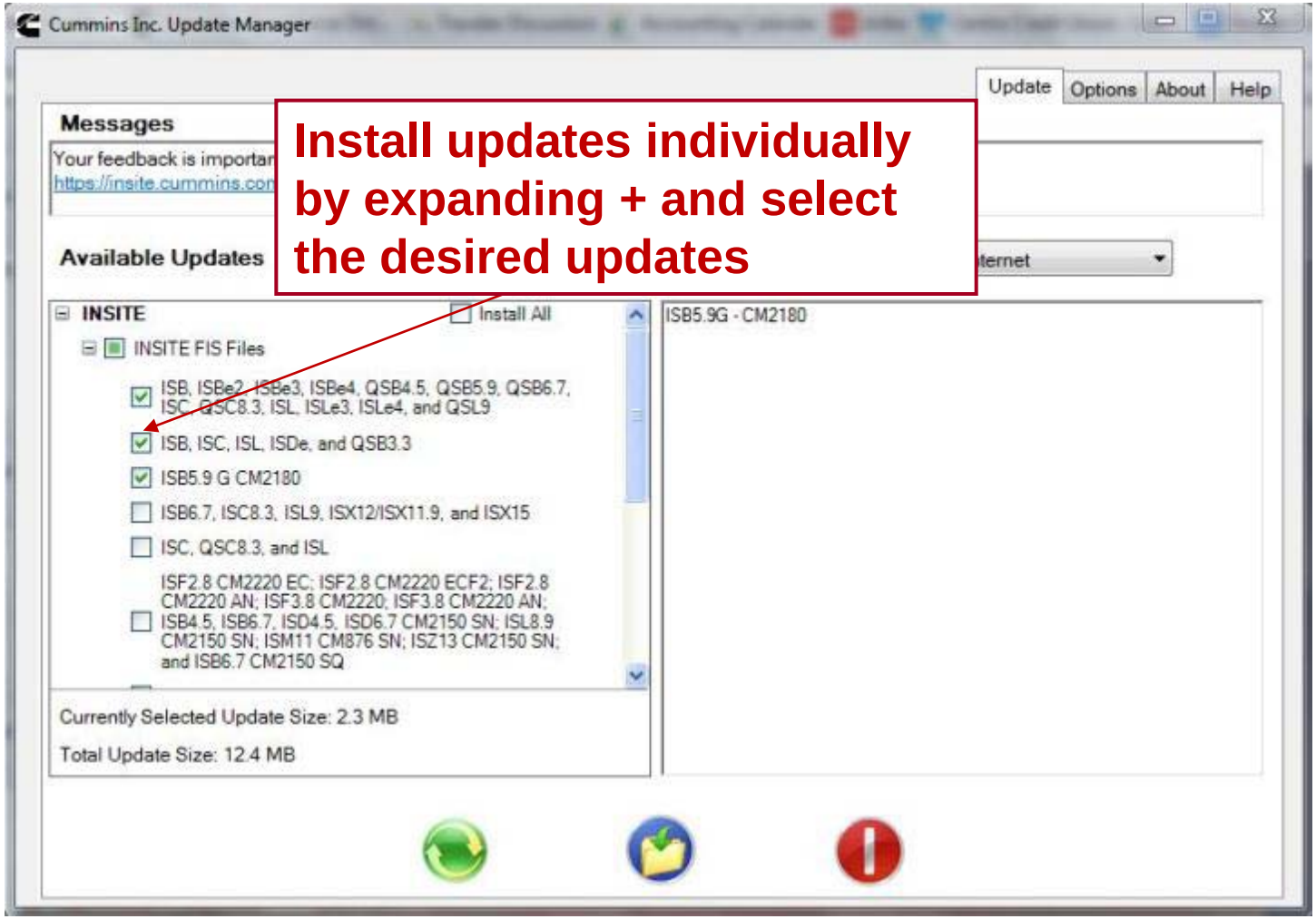
Available Updates Expanded



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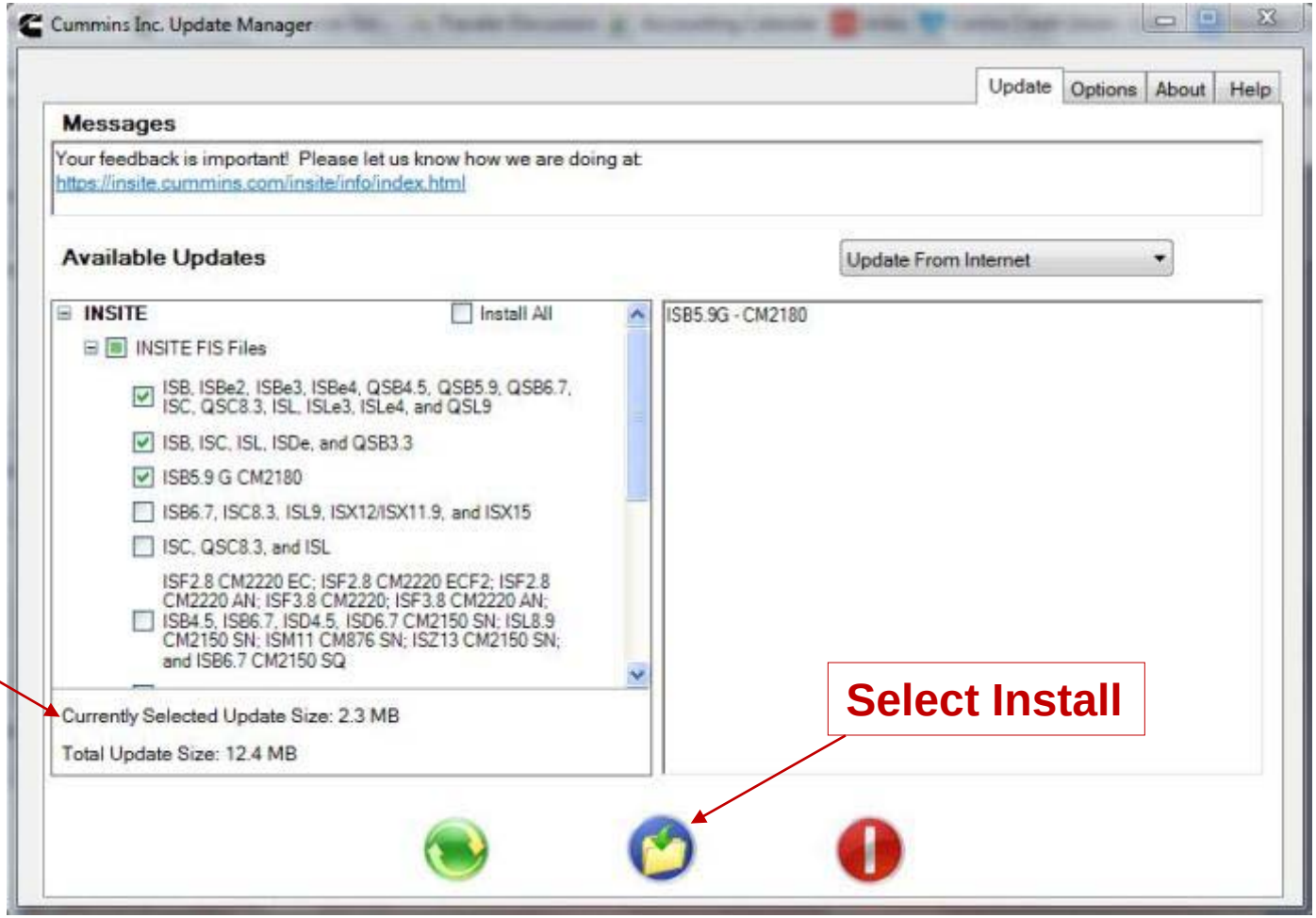
Select Available Updates



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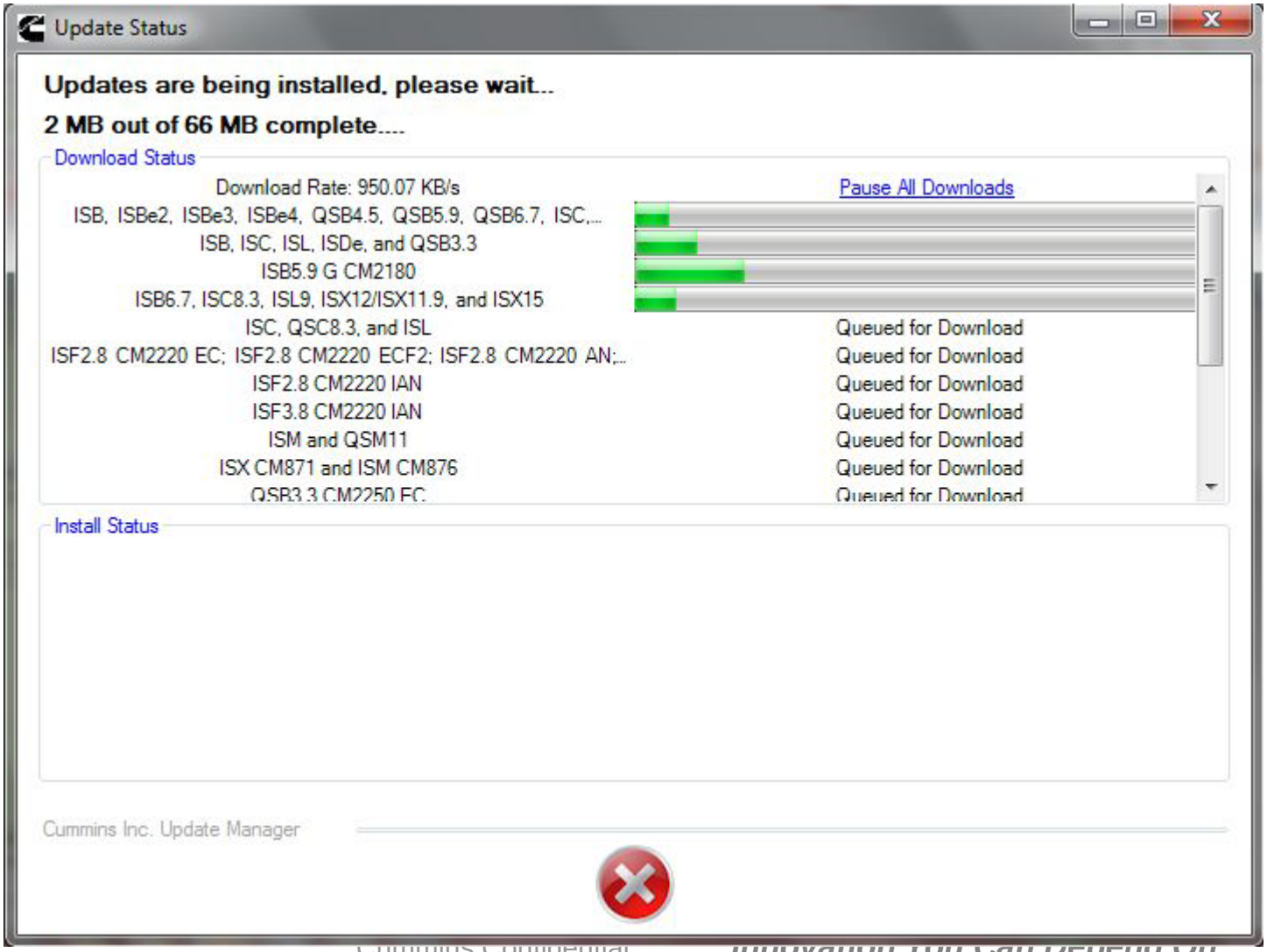
Download Status Information



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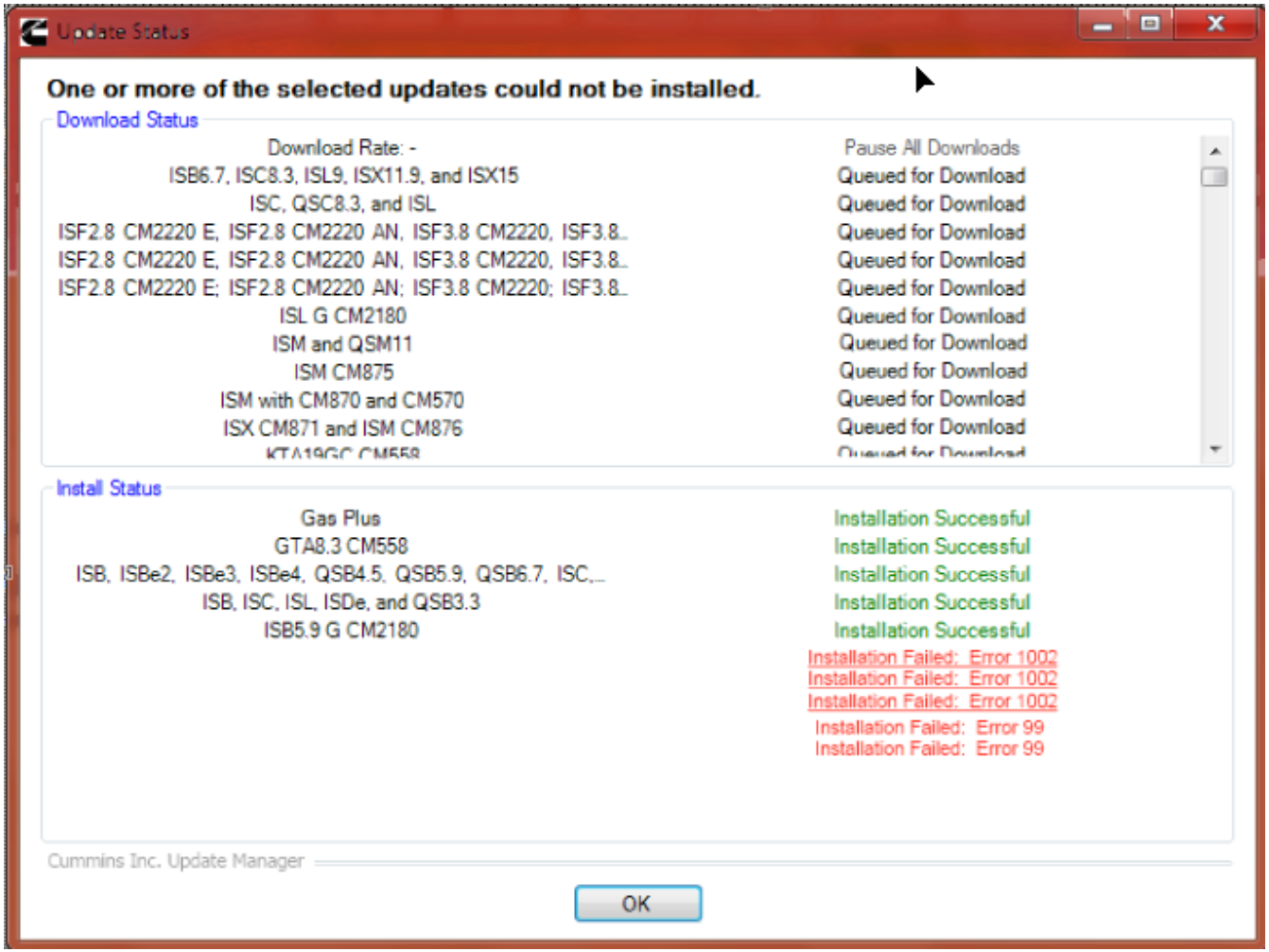
Installation Status Information

Once the installation is complete, the installation status will be displayed.

If the installation is successful, "Installation Successful" will be displayed.

If the installation is not successful, "Installation Failed: Error XX" will be displayed along with an error code.

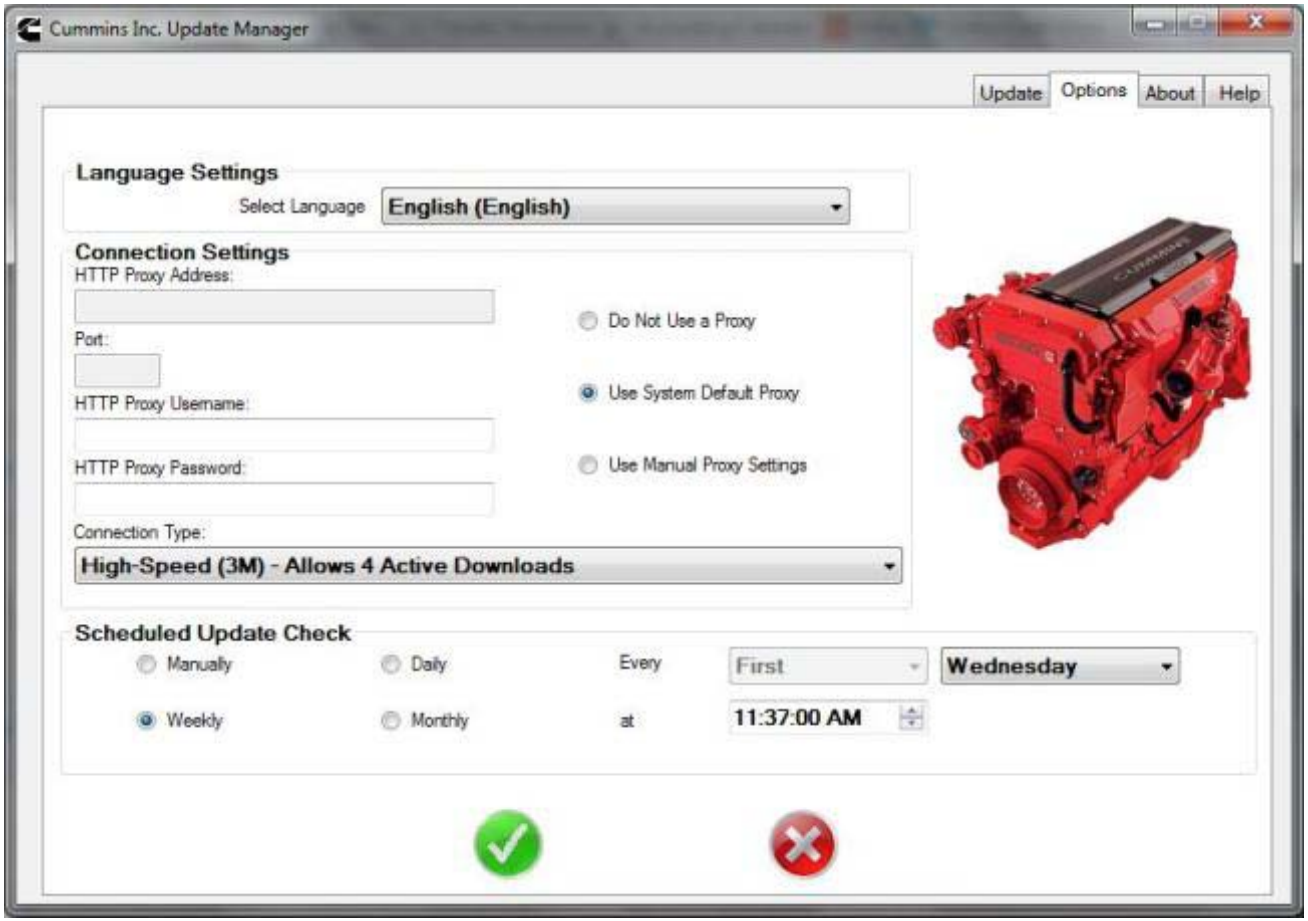


Options Tab – Proxy Settings

Most users will not have to change the proxy settings.

For other users, the Proxy Settings will have to be entered.

Contact local IT support for help with Proxy settings.



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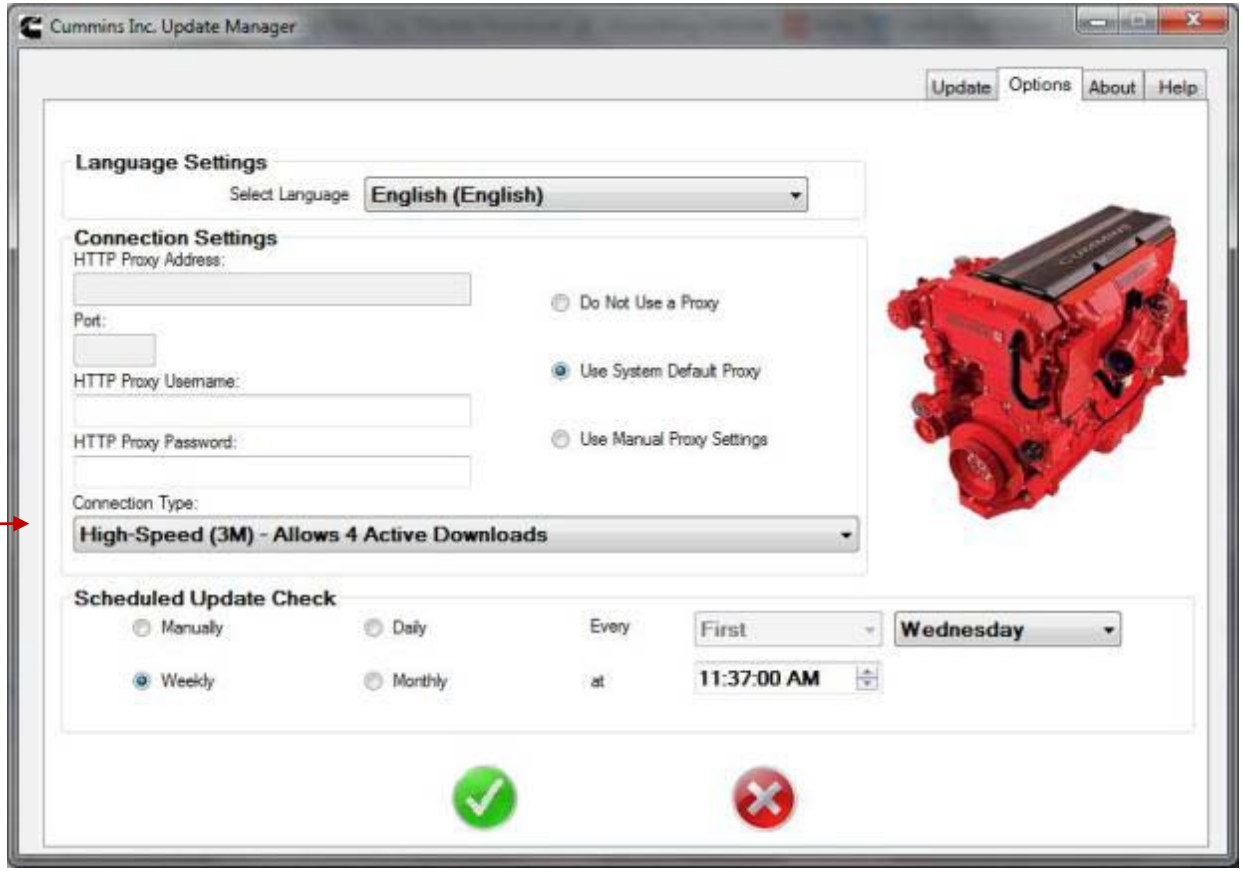
Options Tab – Connection Types

New to 3.0 - Connection Type has been added for users who want to vary their connection option.



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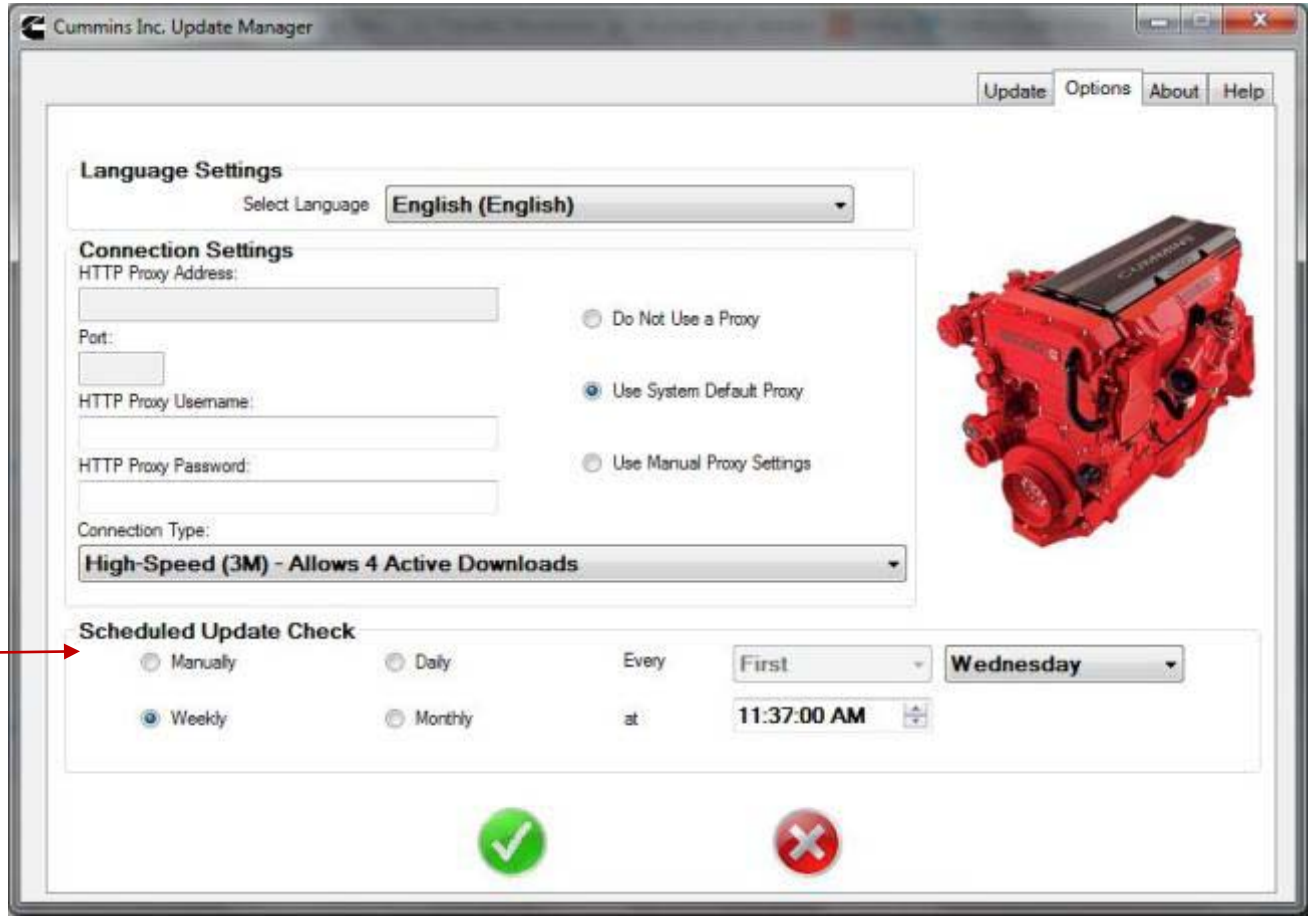
Options Tab – Scheduled Update Check

The default Scheduled Update Check is once a month.

This can be changed to Daily, Weekly, Monthly or Manually.



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Cummins INSITE Update Manager

Update | Options | About | Help

Version:

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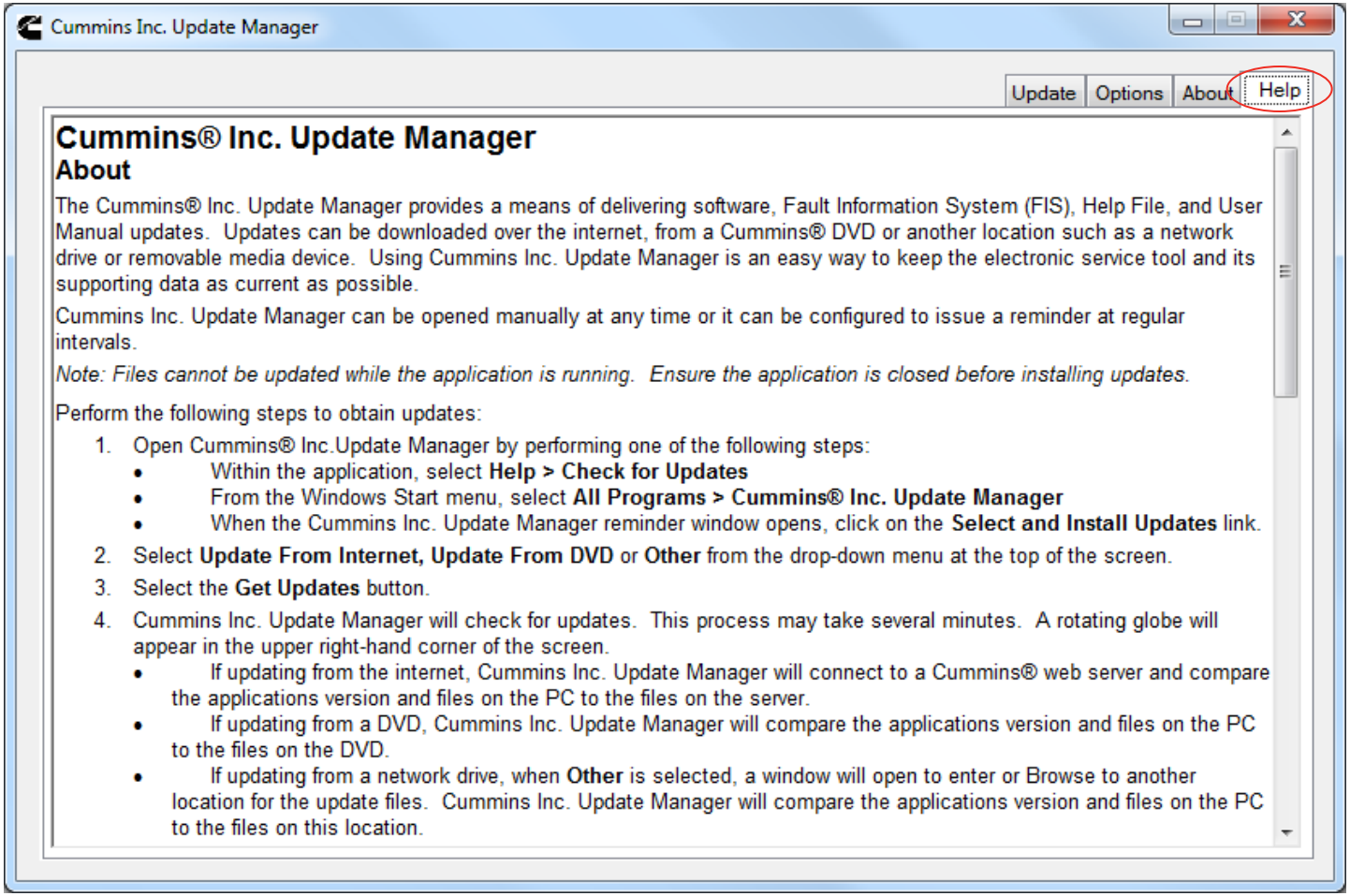
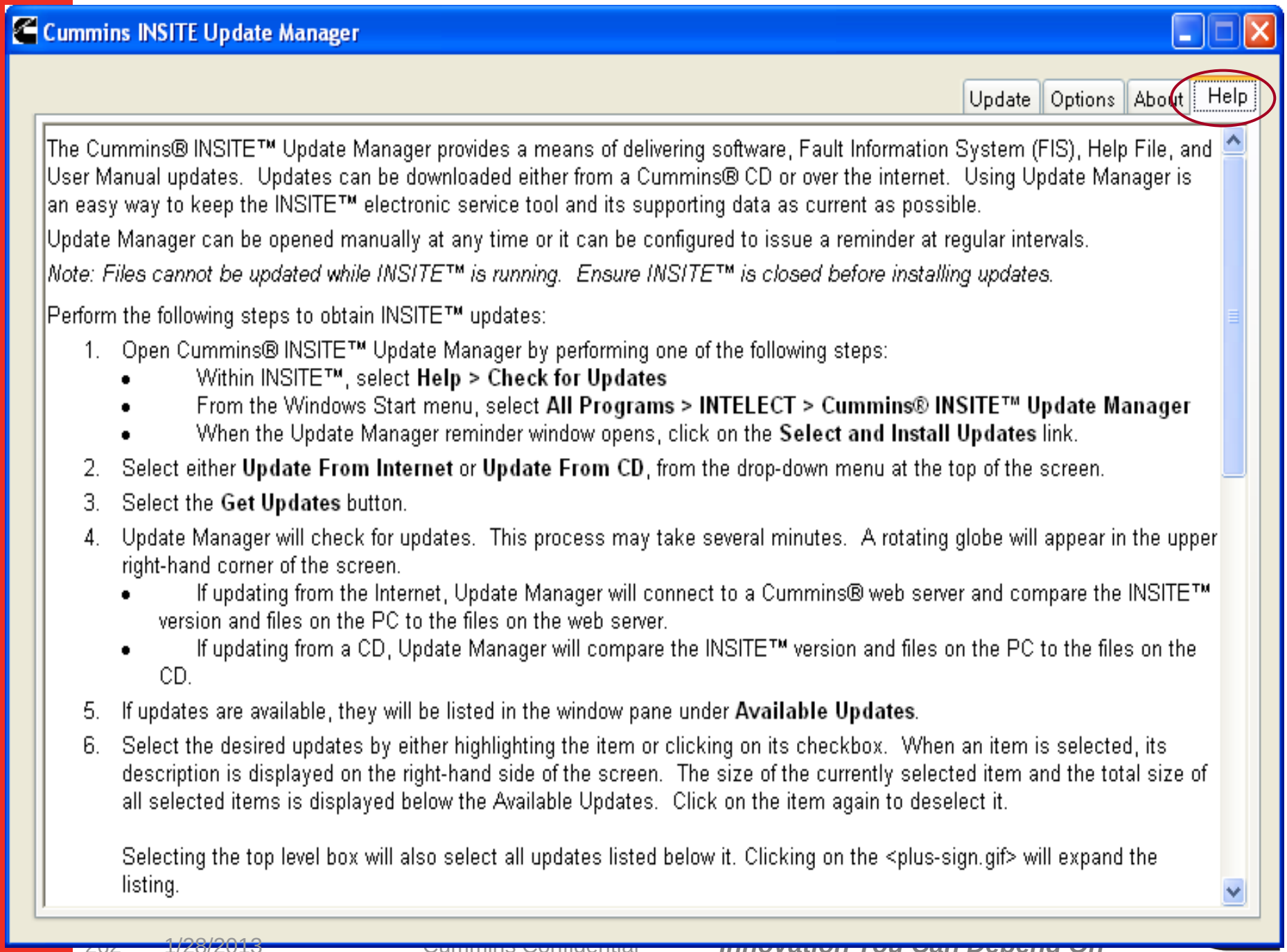
http://www.cummins.com

http://insite.cummins.com

Help Tab



The Help Tab provides an overview of the Update Manager


Cummins INSITE Update Manager
Update
Options
About
Help
The Cummins® INSITE™ Update Manager provides a means of delivering software, Fault Information System (FIS), Help File, and User Manual updates. Updates can be downloaded either from a Cummins® CD or over the internet. Using Update Manager is an easy way to keep the INSITE™ electronic service tool and its supporting data as current as possible.
Update Manager can be opened manually at any time or it can be configured to issue a reminder at regular intervals.
Note: Files cannot be updated while INSITE™ is running. Ensure INSITE™ is closed before installing updates.
Perform the following steps to obtain INSITE™ updates:
1. Open Cummins® INSITE™ Update Manager by performing one of the following steps:
• Within INSITE™, select Help > Check for Updates
• From the Windows Start menu, select All Programs > INTELECT > Cummins® INSITE™ Update Manager
• When the Update Manager reminder window opens, click on the Select and Install Updates link.
2. Select either Update From Internet or Update From CD, from the drop-down menu at the top of the screen.
3. Select the Get Updates button.
4. Update Manager will check for updates. This process may take several minutes. A rotating globe will appear in the upper right-hand corner of the screen.
• If updating from the Internet, Update Manager will connect to a Cummins® web server and compare the INSITE™ version and files on the PC to the files on the web server.
• If updating from a CD, Update Manager will compare the INSITE™ version and files on the PC to the files on the CD.
5. If updates are available, they will be listed in the window pane under Available Updates.
6. Select the desired updates by either highlighting the item or clicking on its checkbox. When an item is selected, its description is displayed on the right-hand side of the screen. The size of the currently selected item and the total size of all selected items is displayed below the Available Updates. Click on the item again to deselect it.
Selecting the top level box will also select all updates listed below it. Clicking on the <plus-sign.gif> will expand the listing.

Cummins® Inc. Update Manager Wrap Up

- Provides up-to-date Fault Information System (FIS) files, Help files, Feature Packs and Service Packs
- Automatic Update Notification
- Scheduled update checks

You have concluded this training package.

Click Here to return to the Table of Content.