



# ECM Code Search Feature INSITE 8.0.3

November 20<sup>th</sup>, 2014



# ECM Code Search Feature

- Users will be able to search for and save calibration files onto the workspace without needing to go to QSOL.
- Users will be able to see the calibration revision history through INSITE



# Current QSOL – Calibration Download

Calibration Downloads

Calibration Downloads

Calibration Type: Engine Calibration

Serial Number:

ECM Code:

Download Zip File

Instructions For Downloading INCAI Files

This application currently will not work for the following engine families:

All Entry models:

© 2003-2011 Cummins Inc. Dec 2005, Columbus, IN 47267-3655 U.S.A.  
Terms of Use and Restrictions | Feedback (FAQ) | Recommended System Requirements

# Current QSOL – Calibration Revision History

ECM Calibration Revision History

Current Records: 1120958 Total

Engines:

ECM Code	Part Number	DO Option	SO Option	AP Option	EI Option	ES Option	EC Option	EP Option	EQ Option	ER Option	ET Option	EV Option	EW Option	Revision Date	Warrantable	Feature Code	Description	ESI Rating
A01008-07							FC01008							01-MAR-2001	Yes	EQPEAW	1. Changed high acid group to 59	N/A
A01008-12	3854717			A01008B			FC05008	FP11016	FC01008	FR10073				21-AUG-2009	No		Historical Information Not Available. If information is required, utilize	N/A
A01010-09	3854717			A01008B			FC05017	FP11016	FC01010	FR10013				31-AUG-2009	No		Historical Information Not Available. If information is required, utilize	N/A
A01011-08	3854717			A01008B			FC05013	FP11016	FC01011	FR10074				21-AUG-2009	No		Historical Information Not Available. If information is required, utilize	N/A
A01010-08							FC01010							01-MAR-2001	Yes	EQPEAW	1. Changed high acid group to 54	N/A
A01019-08							FC01019							01-MAR-2001	Yes	EQPEAW	1. Changed high acid group to 59	N/A



# GUI Changes (Tools->Options)

New

Options

Calibration Selection

Connections  
File  
General  
Inquire Data Extraction  
Units of Measure  
User Manager  
Work Orders

Calibration Selection

Calibration Selection Settings

- Enable Auto Detect
- View Network Calibration Drives
- Enable Automated ECM Code Search

Connection Settings

HTTP Proxy Address :  
[Text Box]

Port :  
[Text Box]

HTTP Proxy Username :  
[Text Box]

HTTP Proxy Password :  
[Text Box]

Do Not Use a Proxy  
 Use System Default Proxy  
 Use Manual Proxy Settings

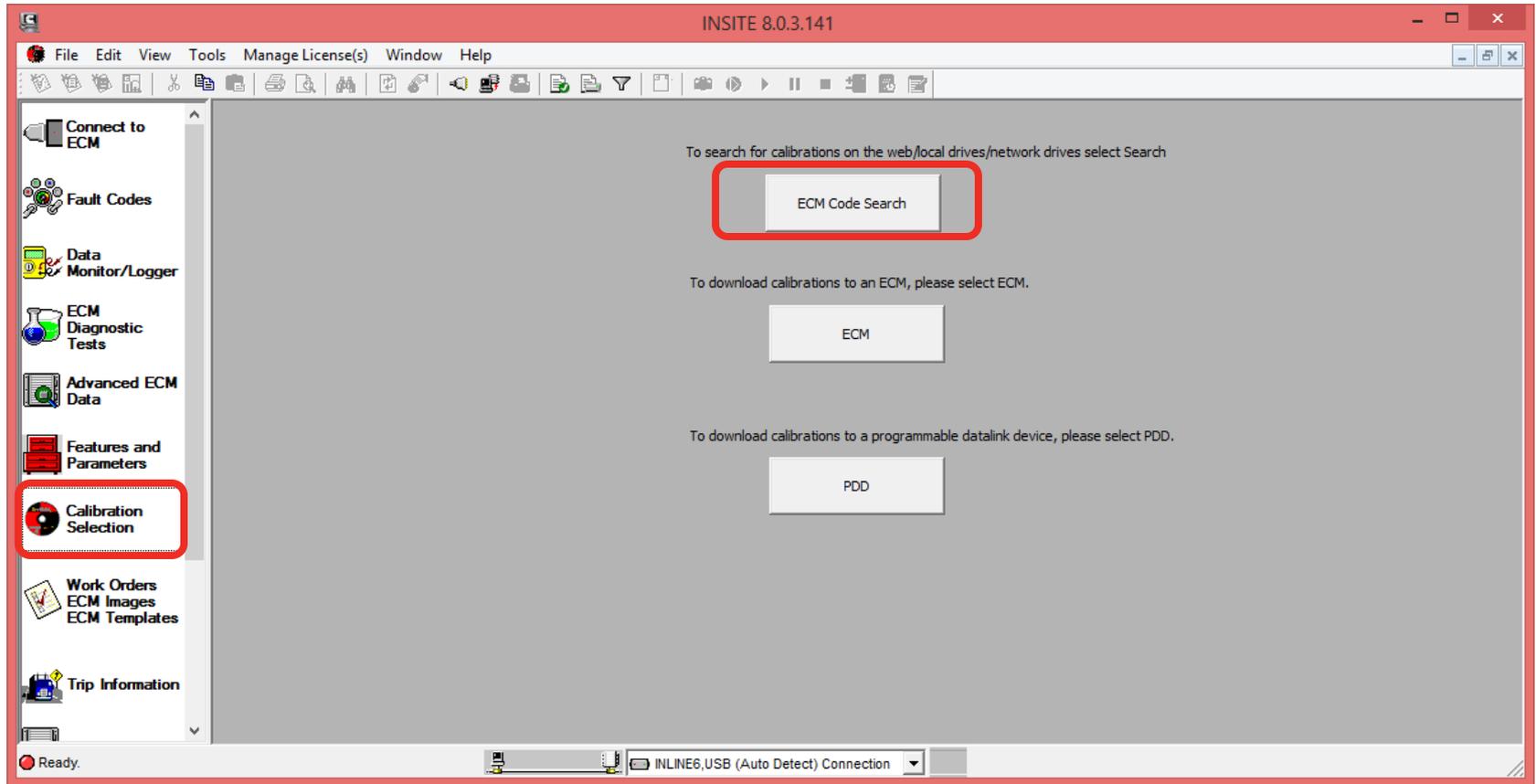
OK Cancel Apply Help

Moved from the General Tab

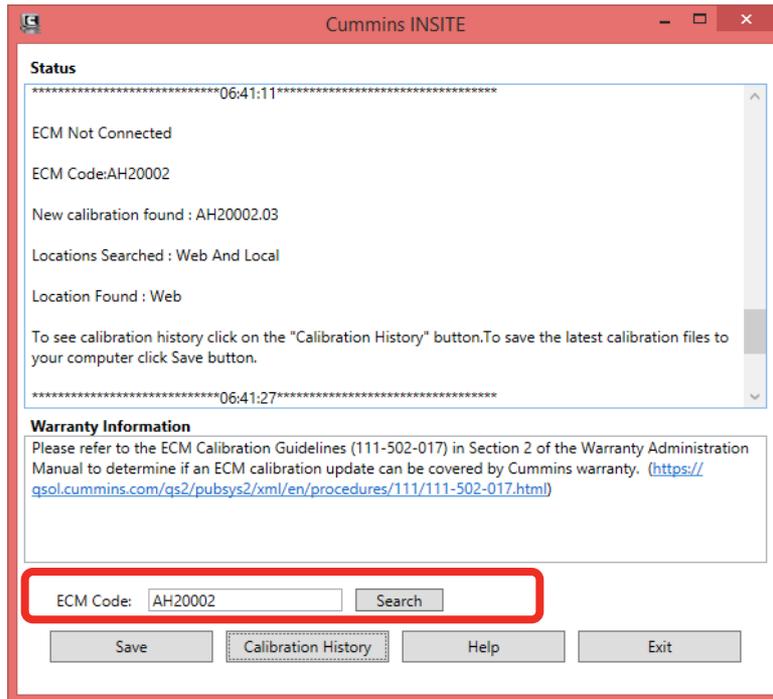
- New
- If enabled, auto search is done when ECM is connected
- New Settings should be the same as Update Manager



# GUI – Changes (Calibration Selection Window)

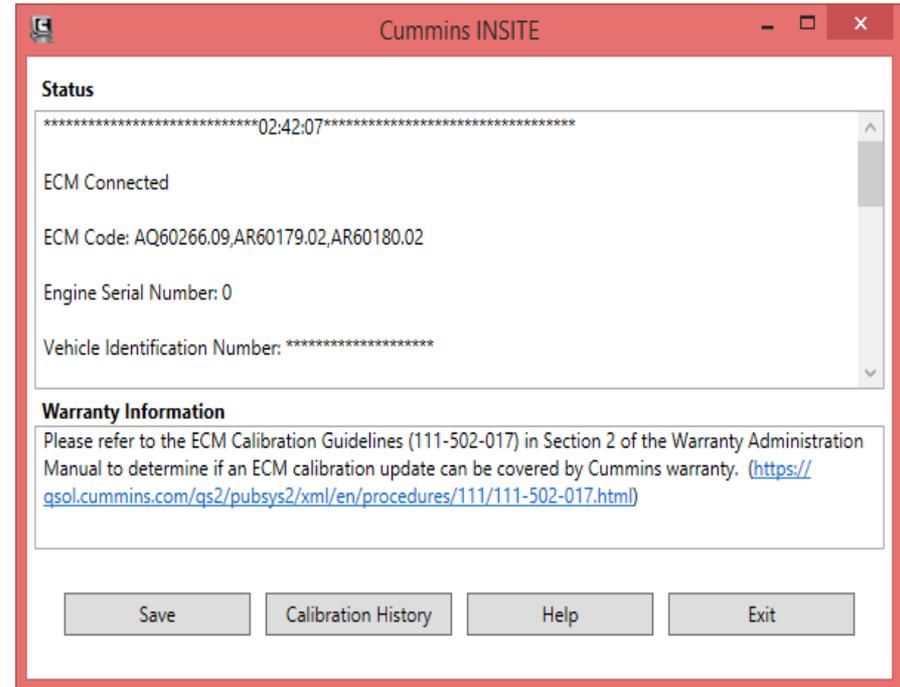


# New ECM Code Search Window



## When ECM is not connected

- Click on “ECM Code Search” button to launch
- There is an ECM Code text box and a search button
- It searches for the highest version available



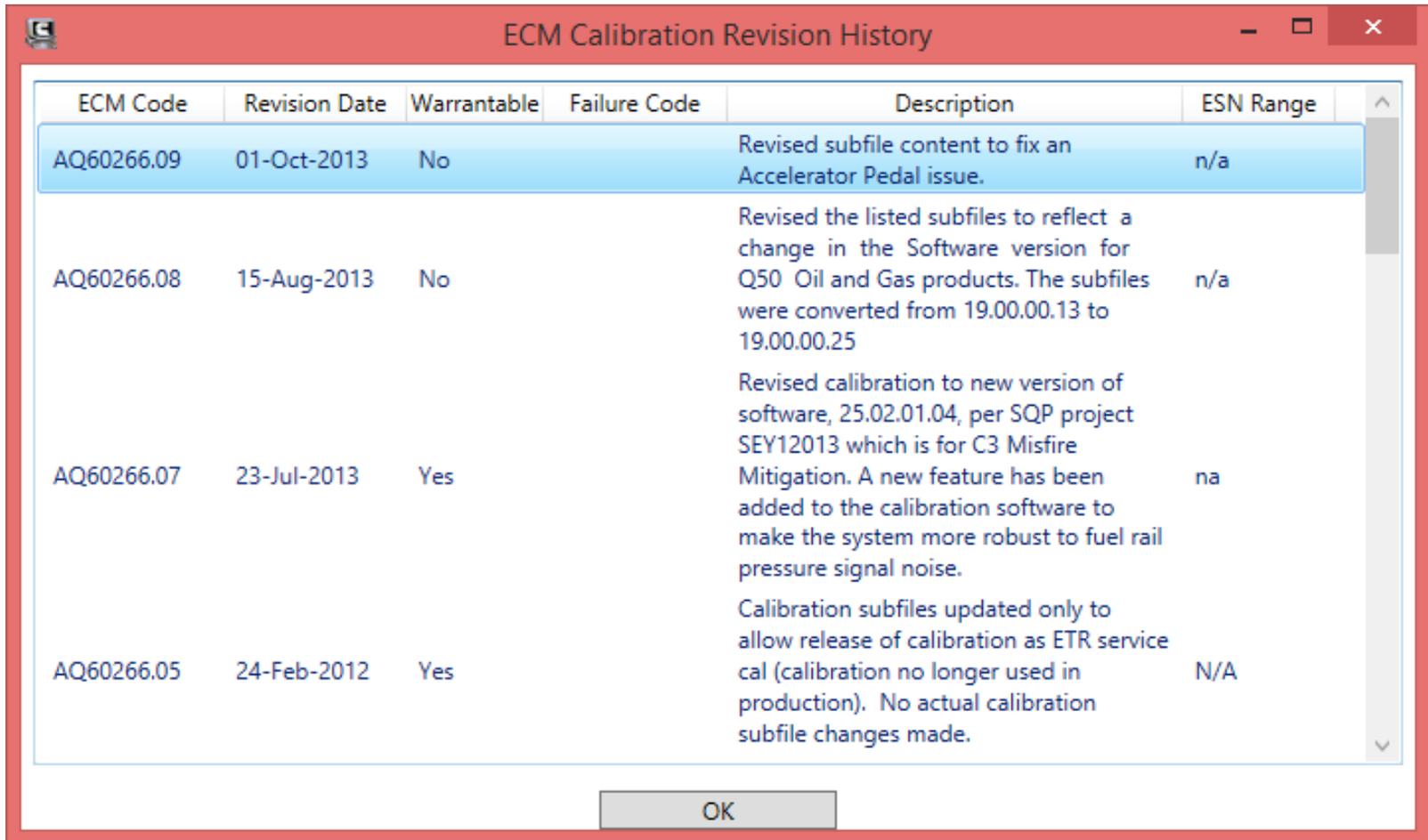
## When ECM is connected

- If “enable automated ECM Code Search” is enabled, this window will pop up automatically **if newer revision is found**
- Click on “ECM Code Search” button to launch manually
- There is no ECM Code text box and a search button
- It searches for updates for the connected ECMs



# New Calibration History Window

If the latest ECM Code revision found is on the web, the “Calibration History” button on the ECM Code Search window will get enabled.



The screenshot shows a window titled "ECM Calibration Revision History" with a table containing the following data:

ECM Code	Revision Date	Warrantable	Failure Code	Description	ESN Range
AQ60266.09	01-Oct-2013	No		Revised subfile content to fix an Accelerator Pedal issue.	n/a
AQ60266.08	15-Aug-2013	No		Revised the listed subfiles to reflect a change in the Software version for Q50 Oil and Gas products. The subfiles were converted from 19.00.00.13 to 19.00.00.25	n/a
AQ60266.07	23-Jul-2013	Yes		Revised calibration to new version of software, 25.02.01.04, per SQP project SEY12013 which is for C3 Misfire Mitigation. A new feature has been added to the calibration software to make the system more robust to fuel rail pressure signal noise.	na
AQ60266.05	24-Feb-2012	Yes		Calibration subfiles updated only to allow release of calibration as ETR service cal (calibration no longer used in production). No actual calibration subfile changes made.	N/A

An "OK" button is located at the bottom center of the window.



# User Help

Clicking on the Help Button in the ECM Code search window will open the relevant help section

The screenshot shows a help window titled "Help for INSITE™". The window has a navigation pane on the left and a main content area on the right. The navigation pane contains a tree view of topics, with "ECM Calibration" expanded and "About" selected. The main content area displays the "About" section for "Engine Control Module Calibration". A red box highlights the "ECM Code Search" link in the navigation pane.

**Engine Control Module Calibration** [Expand All](#) [Collapse All](#)

**About**

INSITE Professional enables ECM calibrations to be downloaded directly to an ECM. Click **Calibration Selection** on the Viewbar to select, view, and transfer calibrations.

To search and save the latest calibration files in order to perform an ECM calibration, refer to the **ECM code Search** feature.

The process of downloading a calibration can be summarized in four steps. Click the links to learn more about each step.

You can also [search](#) for a specific calibration if desired.

*Note: You must be connected to an ECM to send a calibration.*

▶ [ECM Code Search](#)

*Note: This feature will search for the latest revision of an ECM code. It will not find an ECM Code if it has been replaced or superseded by another ECM code.*

▶ [Automated ECM Code Search](#)

▶ [Manual ECM Code Search](#)

▶ [ECM Code Search Locations](#)

**Engine Control Module Calibration** [Expand All](#) [Collapse All](#)

# Search Location

- Local
  - Internal hard drives such as C:\
  - External hard drives, USB drives
  - INSITE workspace
  - CD/DVD drives
- Network Drives
  - Only if “View Network Calibration Drives” is checked (see slide 4)
- Web (Cummins server where the files are hosted)

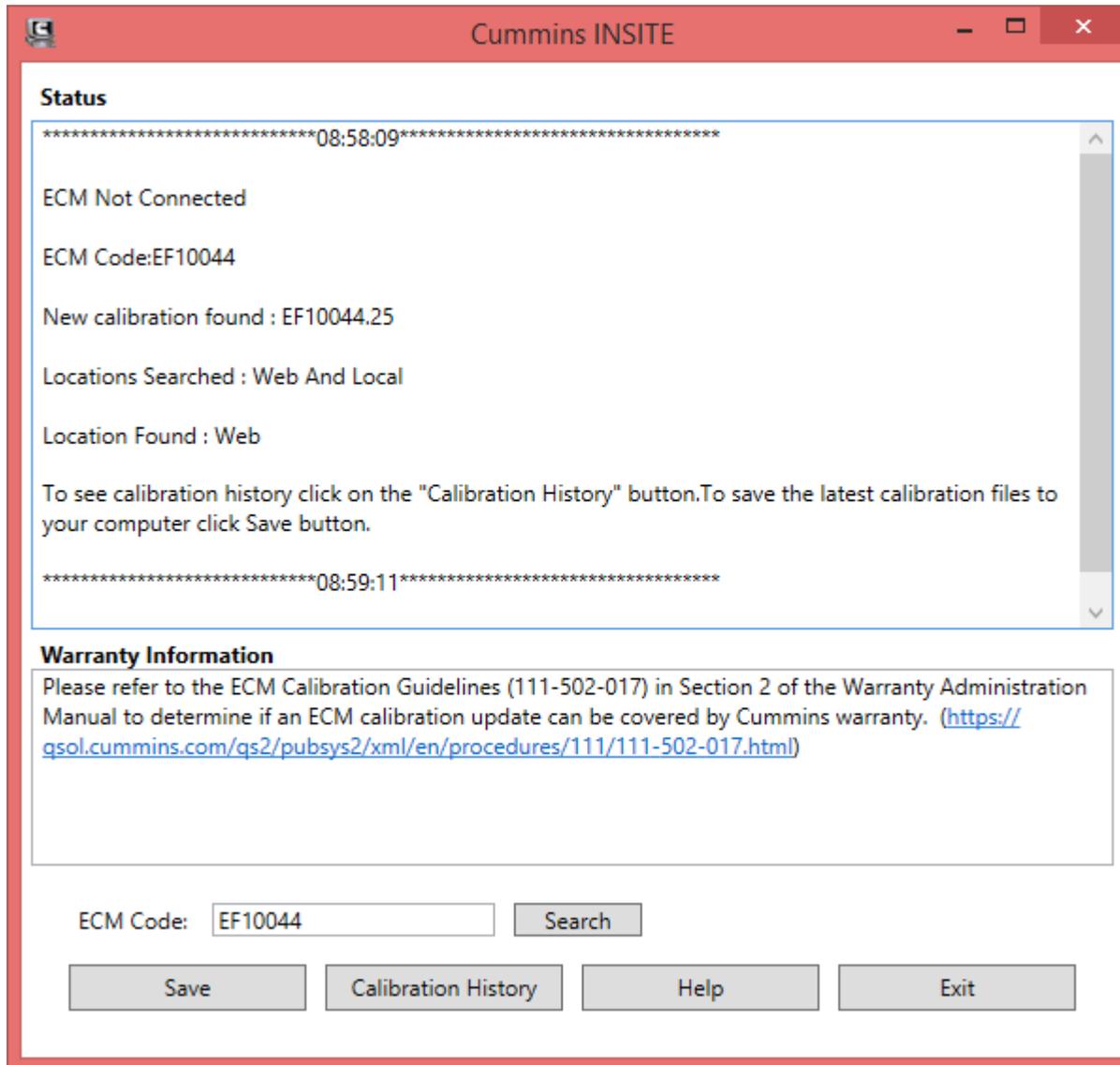
Except for the INSITE workspace, all other local and network drives searches are done only on the root drive. (Eg: C:\Intelect\esdn\data, or M:\Intelect\esdn\data)

It will look for the following folder structure on the root drive  
Intelect\esdn\data

If the files are on the desktop it will not find it because that is not the root. If its in a zip file it will not find it



# Sample Screenshot – Manual Search



The screenshot displays the Cummins INSITE application window. The title bar reads "Cummins INSITE". The main content area is divided into two sections: "Status" and "Warranty Information".

**Status**

\*\*\*\*\*08:58:09\*\*\*\*\*

ECM Not Connected

ECM Code:EF10044

New calibration found : EF10044.25

Locations Searched : Web And Local

Location Found : Web

To see calibration history click on the "Calibration History" button.To save the latest calibration files to your computer click Save button.

\*\*\*\*\*08:59:11\*\*\*\*\*

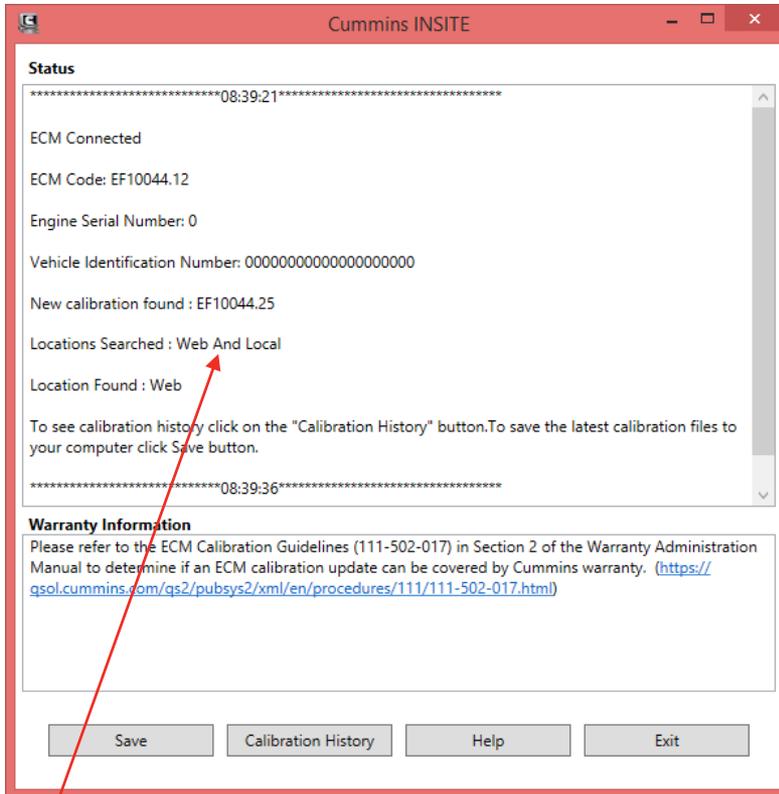
**Warranty Information**

Please refer to the ECM Calibration Guidelines (111-502-017) in Section 2 of the Warranty Administration Manual to determine if an ECM calibration update can be covered by Cummins warranty. (<https://qsol.cummins.com/qs2/pubsys2/xml/en/procedures/111/111-502-017.html>)

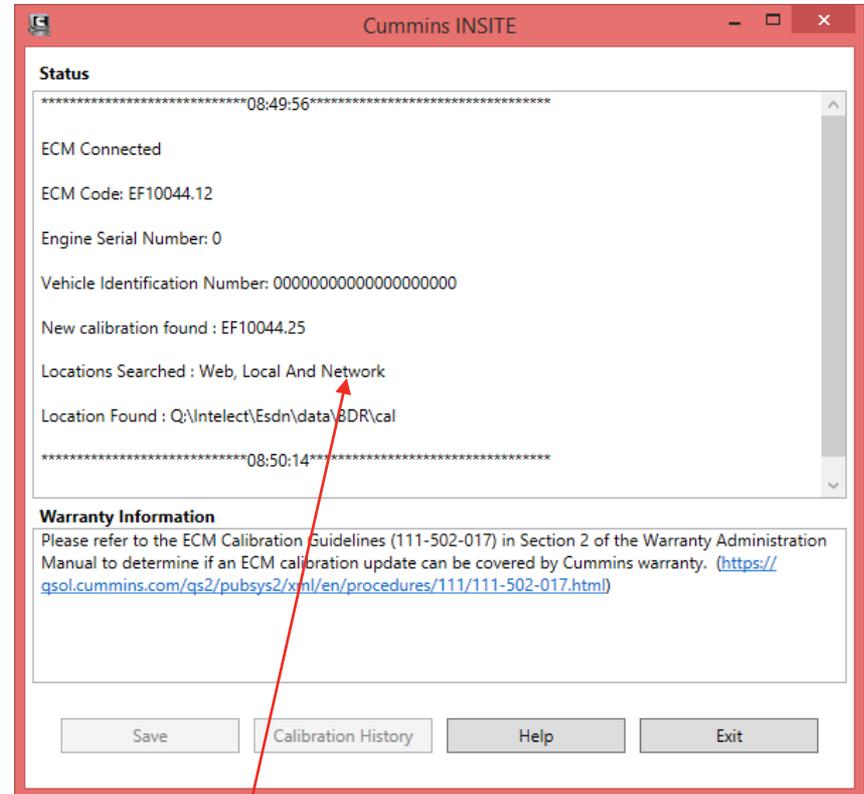
ECM Code:



# Sample Screenshot – Single Module ECM Connected



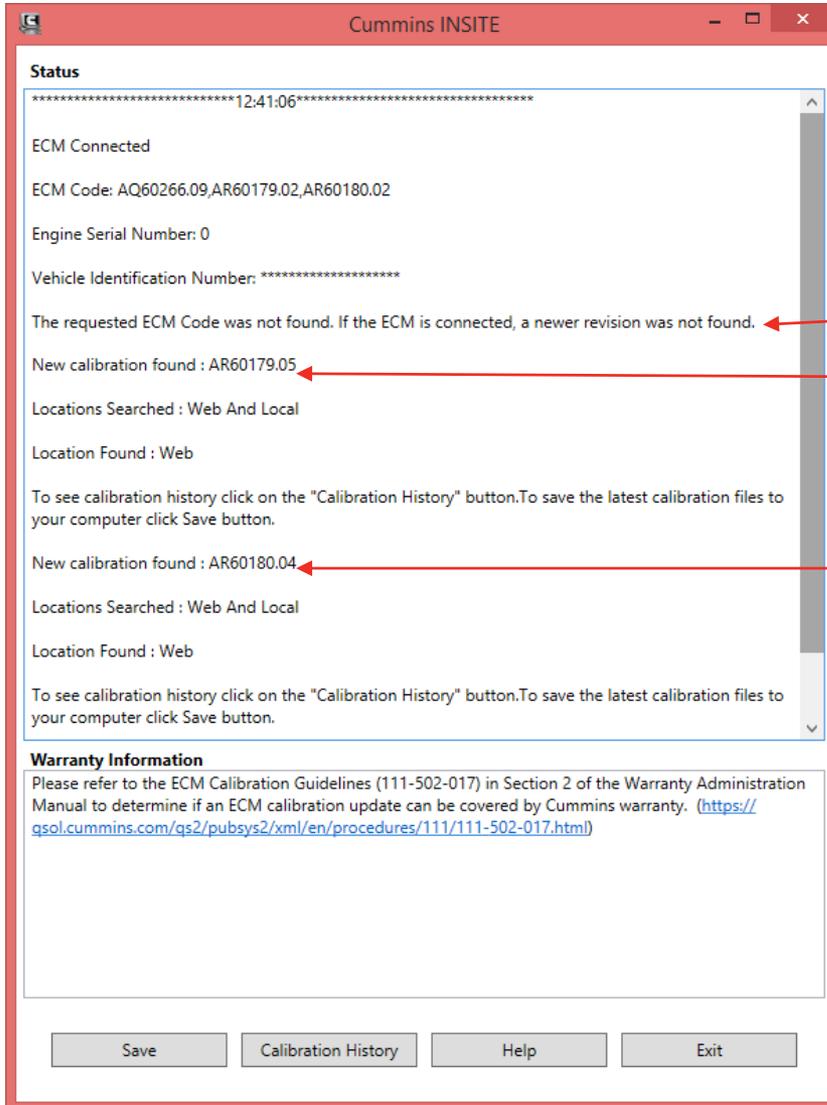
- Network search wasn't enabled
- Found on the web



- Network search is enable enabled.
- Found on the network drive



# Sample Screenshot – Multi Module ECM Connected



1st ECM Code

2nd ECM Code

3rd ECM Code



# FAQ

## 1. Server unavailable message

“Server is currently unavailable. Please try again or contact INSITE support if issue persists.”

Please try again later and report if the issue persists

## 2. Proxy authentication error

“Unable to access the web due to a proxy authentication error. Please check proxy settings in Tools > Options > Calibration Selection and retry.”

Check if the proxy settings are the same as Update Manager

## 3. Does it find replaced or superseded cals

No. Right now it only finds a higher revision of the same ECM code. This will be available in 2015.

## 4. Calibration Revision History is missing for the latest ECM code found

Calibration files could be available even if the history is not available, same as it functions right now through QSOL. If you need to have the history and its not available please report it.



# FAQ

## 5. ECM Code is not found message

“The requested ECM Code was not found. If the ECM is connected, a newer revision was not found.”

- If the user is connected to an ECM and a higher revision is not found they will see this. The ECM could be already upto date.
- If the user enters the ECM code manually, they could have entered an incorrect ECM Code
- Check for proxy error, or no internet connectivity message. It might not be able to look for on the web
- Else report it.

## 6. Does it work for Multi-Module system

- Yes. It looks for updates for the parent module and child modules. If updates for any of them are found they are all saved together onto the workspace. Calibration revision history is displayed for all modules, ordered by ECM code and revision numbers.



# FAQ

9. Automated search is enabled but when the ECM is connected the ECM code search window does not pop up
  - It pops up only if a newer revision is found. The user can still click on the ECM code search button, and it will search again and display the not found message
  
10. Does it work on simulator mode
  - It doesn't look for the ECM code connected on the simulator, but manual search still can be done
  
11. Would the QSOL calibration download or Calibration History going away.
  - No

