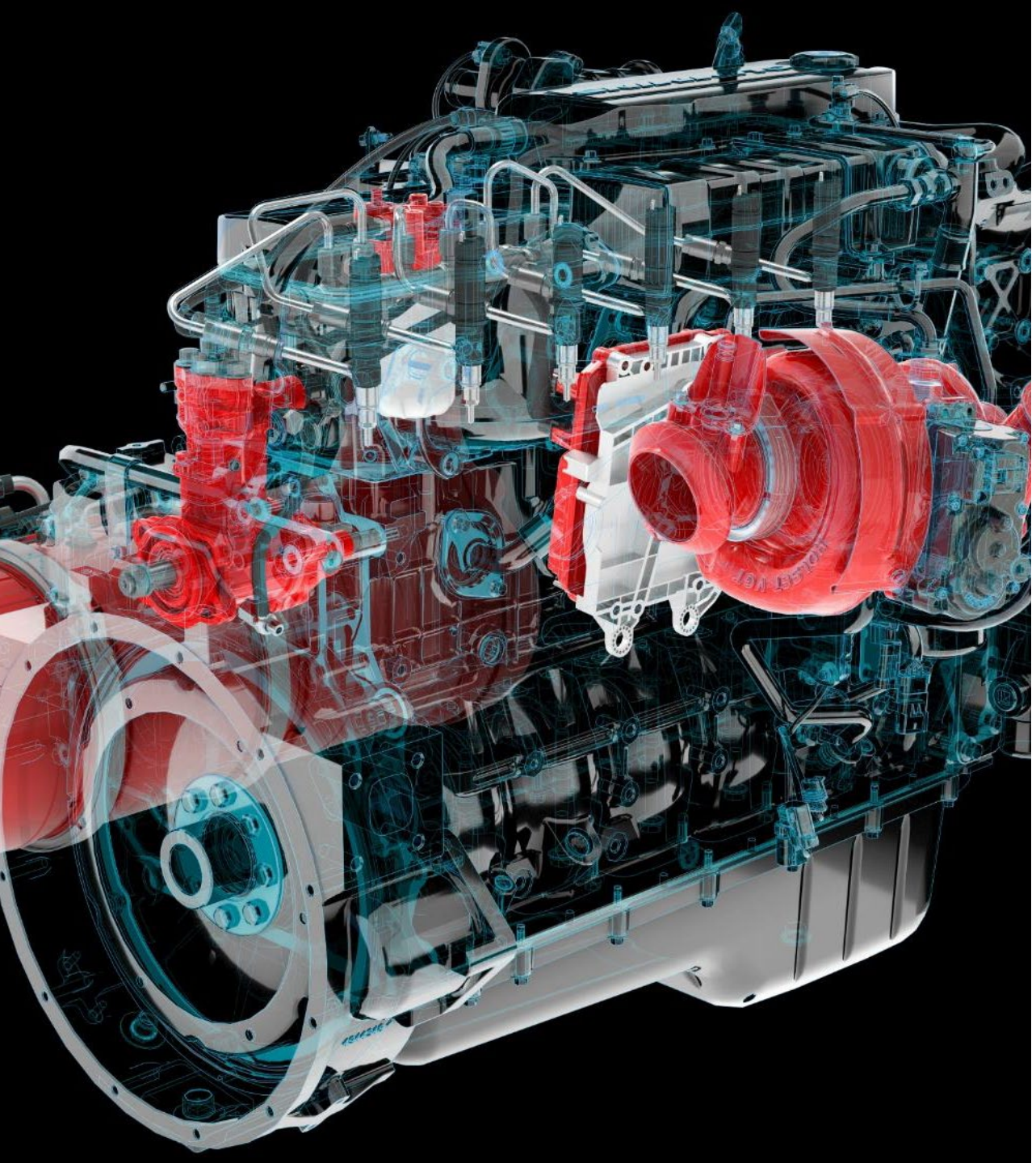

Cummins Guidanz™ Mobile Immediate Assessment and Guest User Training

Public

Table of Contents

- General App Information
  - Cummins Guidanz
  - Functionality
  - Supported Products
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- Basic Functionality
- Immediate Assessment

Cummins Guidanz

- Guidanz™ is Cummins' new suite of genuine service products, features and capabilities. https://cumminsengines.com/guidanz

- Guidanz mobile app includes INSITE like capability and combines everything from diagnostics, training, repair, warranty, metrics and performance feedback

- Guidanz app is available for download in US, Canada, Australia, EU (including UK), Mexico, Peru, Columbia, India, and China

Version 6.3.0 Release

- **What's new:**
- **New features**
    - *General User Interface Improvements*

- All Features dependent upon the subscriber's user level, and availability in the connected engine

Public

Version 6.3.0 Release Continued

- **What's new:**
- **New features**
  - Advance Features (3):
    - Ether Injection Reset
    - Vehicle Classification
    - FCE Duty Cycle Monitor
  - Diagnostic Tests (4):
    - Aftertreatment Diesel Exhaust Fluid Doser Accuracy Test
    - Hydrogen Shutoff Valve
    - Hydrogen Water Drain Valve
    - Hydrogen Purge Valve

- All Features dependent upon the subscriber's user level, and availability in the connected engine

Public

Hardware Requirements

- **IOS**
  - Bluetooth compatible devices only
  - Minimum OS: iOS 14 or higher
  - Minimum space requirements: 1 GB
  - Recommended space requirements: 2 GB
- **Android**
  - Minimum OS: Android 10 or higher
  - Bluetooth compatible devices only
  - Minimum storage requirements: 1 GB
  - Recommended storage requirements: 2 GB

Public

Download/Installation

- Free Download
  - Android
    - Search for “Cummins Guidanz” on Google Play
  - iOS
    - Search for “Cummins Guidanz” on the App Store

Public

Supported Adapters

- INLINE 7
  - Has Wired/Wi-Fi/Bluetooth, but Guidanz only works in Bluetooth mode
  - Works with INSITE as well
- INLINE Mini
  - Bluetooth
- More information about Adapters

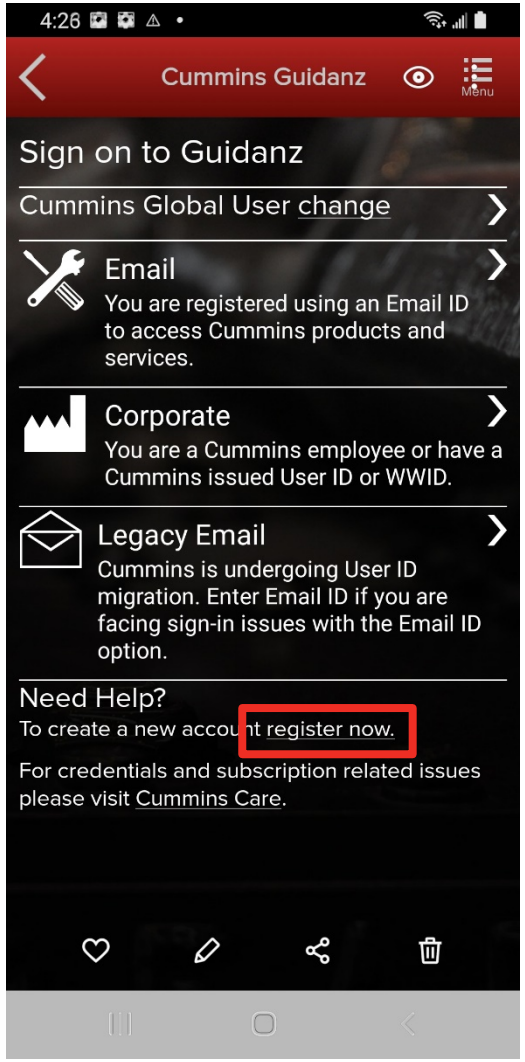
  https://www.cummins.com/support/digital-products-and-services-support
- How to purchase adapters?
  - For Cummins internal employees (non-Distributor) go to Ariba, use Non-catalog items and order the part using part number and enter MDC as the supplier
  - Distributors and dealers can purchase it directly from https://store.cummins.com/
  - For all others, users need to contact their local distributor

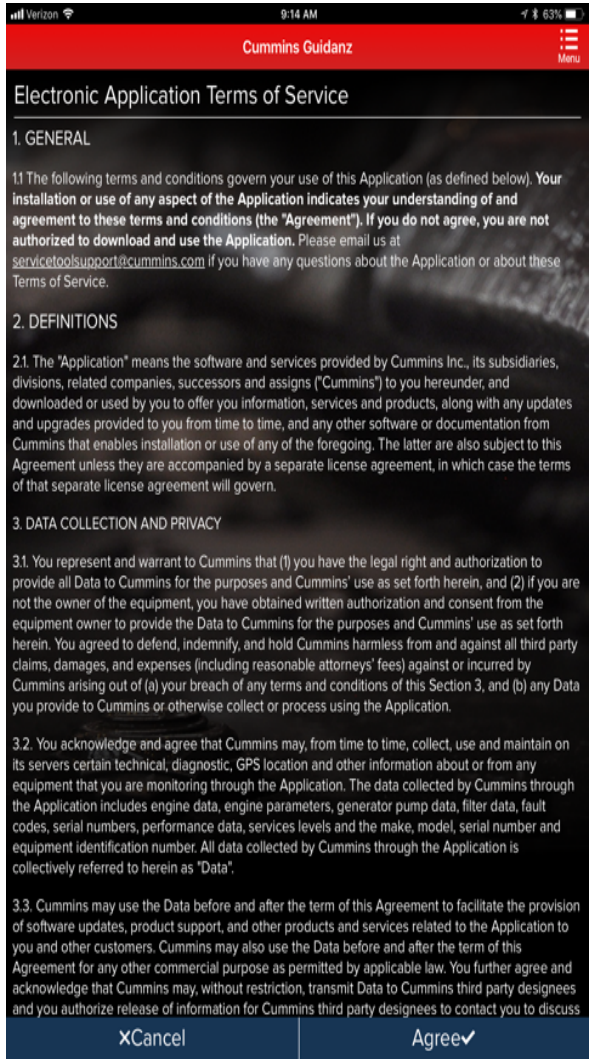
Supported Products

- 2007 and later Engines
  - List of unsupported devices is available on the user guide at Here
- ADEPT Route Parameter Manager (RPM) Module
  - For More info
    - https://www.cummins.com/support/digital-products-and-services-support/adept-support
    - Note: Currently you do not need a subscription to service the RPM module.

General Functionality

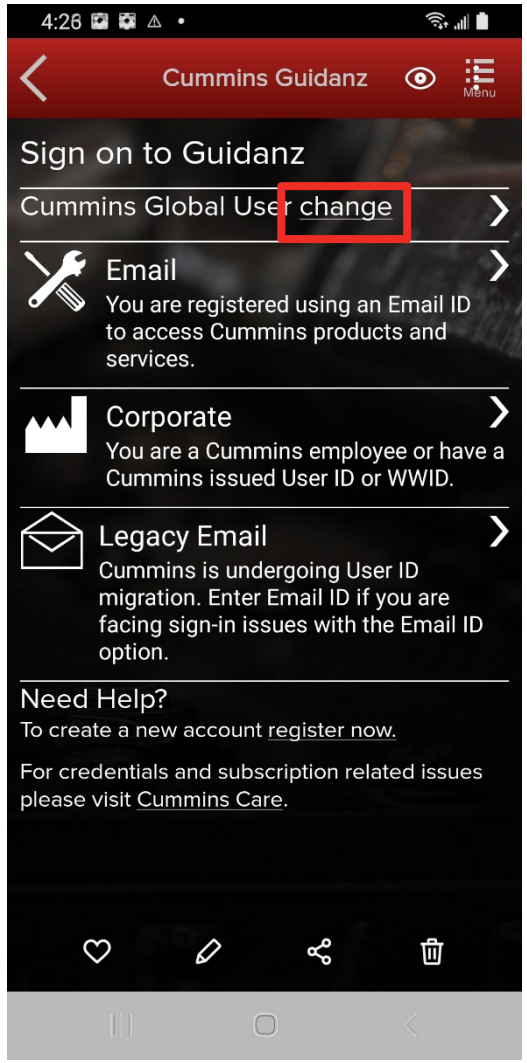
Log-In Screen

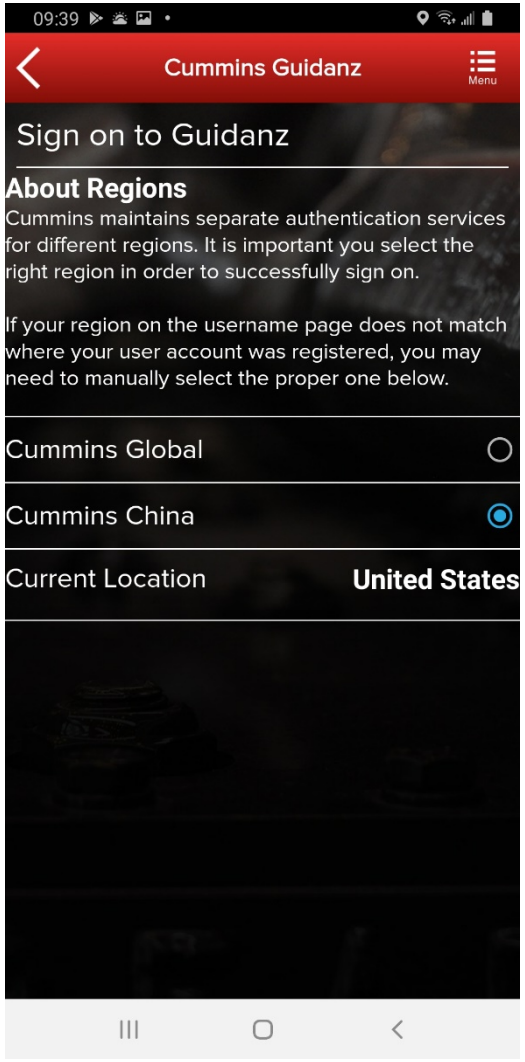




- All users need to have a valid Cummins user name and password. If not, users can click on the “register now” link or they can register at https://mylogin.cummins.com/web/IAM_NewRegistration?appid=a1a4N00000F2oKa
  - Email login for user name in Email format
  - Corporate login for users with a WWID
  - Legacy Email login for which Email login does not work
- After successful Login users will need to set a PIN code and accept the EULA Terms and Conditions to land on Home page.

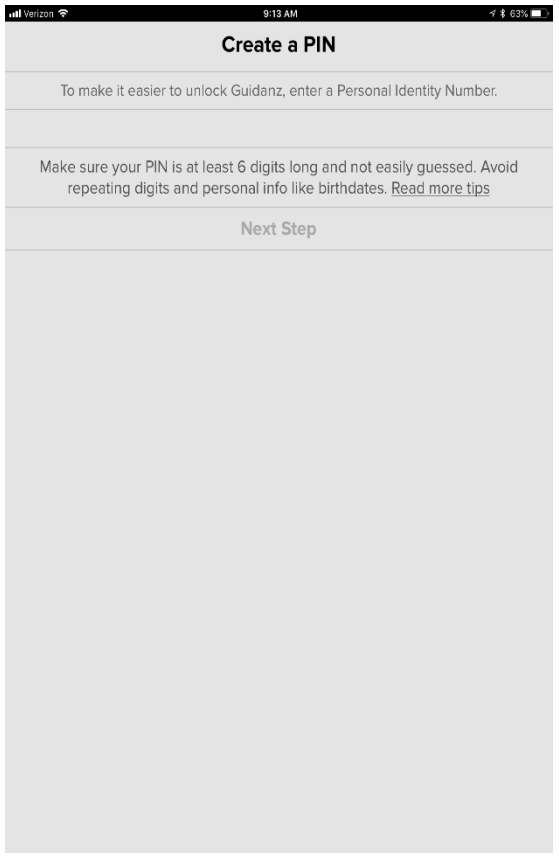
Log-In Screen

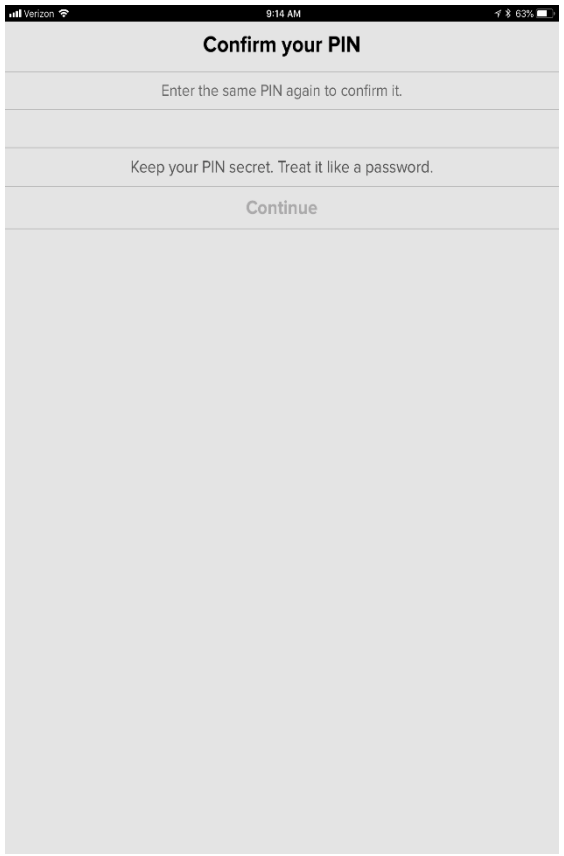




- If a user registered in China wants to log into the Guidanz Mobile app, the user needs to change the region by clicking on the change link before login for authentication

PIN Creation

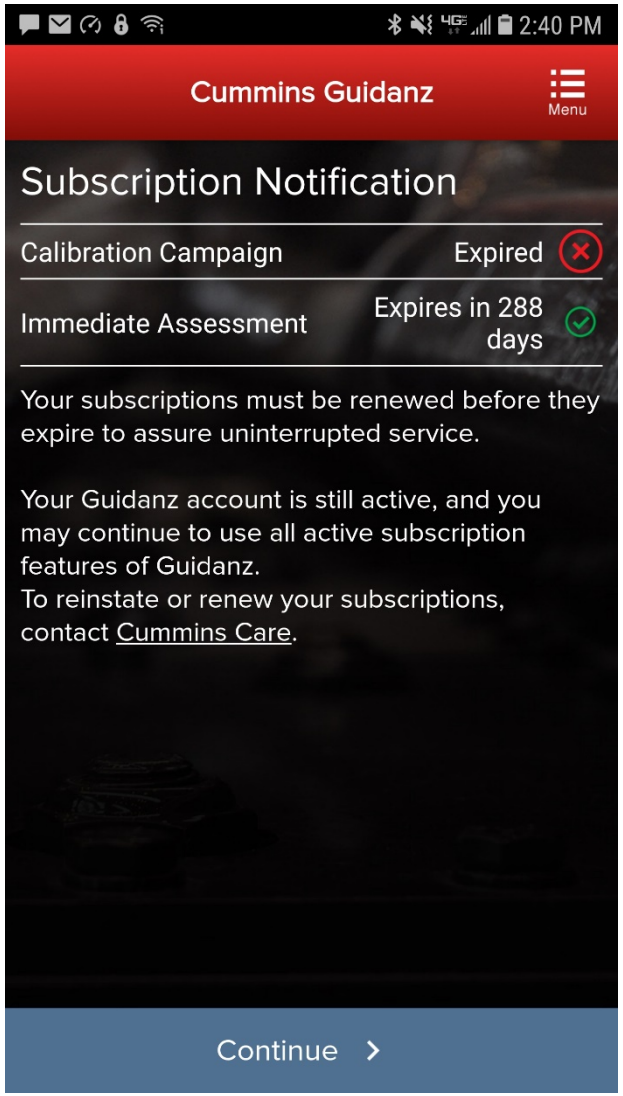




- User is prompted to set a PIN code and then to confirm his/her entry
- New PIN security rules
  - PIN must be at least 6 numbers and can be up to 16 numbers long.
  - The PIN cannot be an entire sequence of numbers such as 123456 or 654321
  - The entire PIN cannot be a sequence that simply repeats two digits like 121212
  - You cannot repeat any single number 4 or more times, such as 000012
  - Try not to use easily guessed sequences of numbers such as your birthdate, address, or phone number

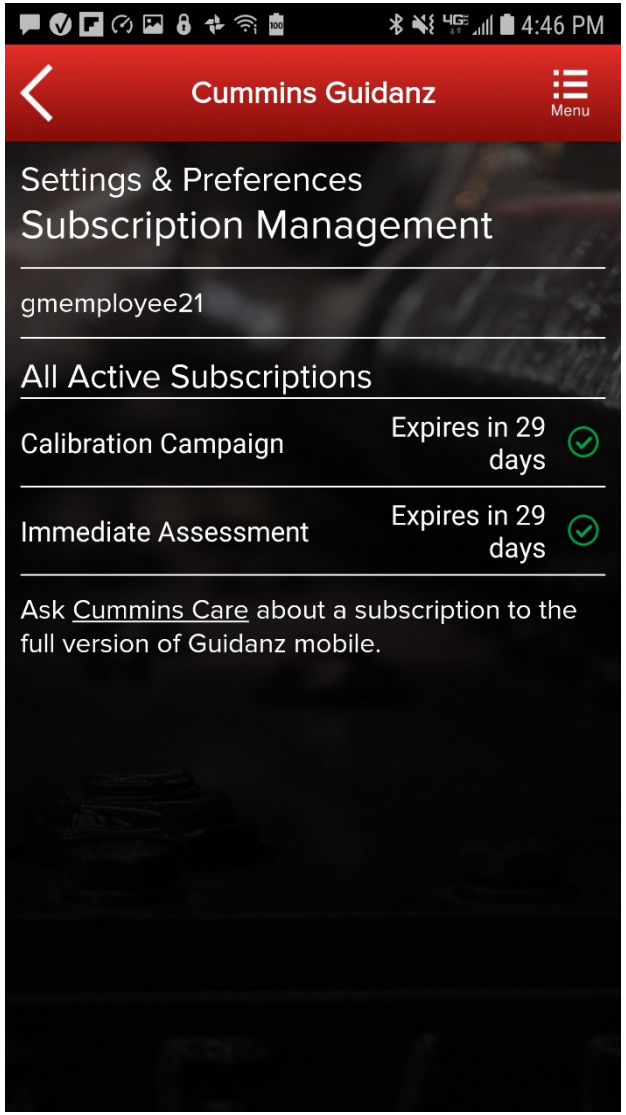
Public

Subscription Expiration Notification



The app will display a notification of active subscriptions expiring within 14 days and expired subscriptions.

Subscription Management

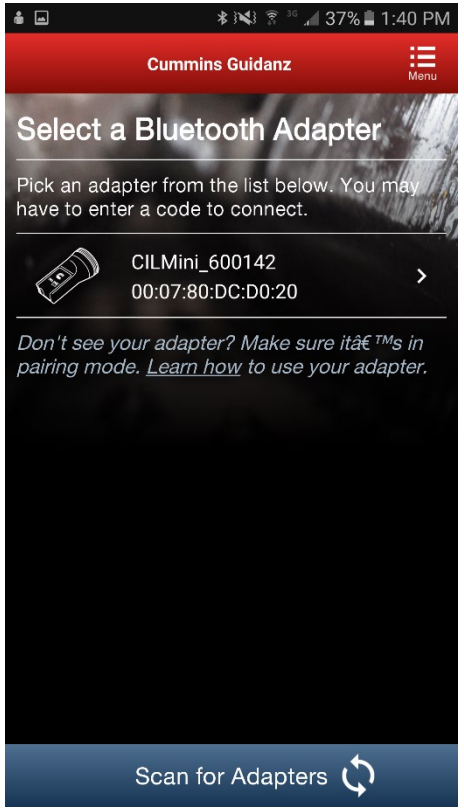


Subscription Management
The user can see All Active Subscriptions

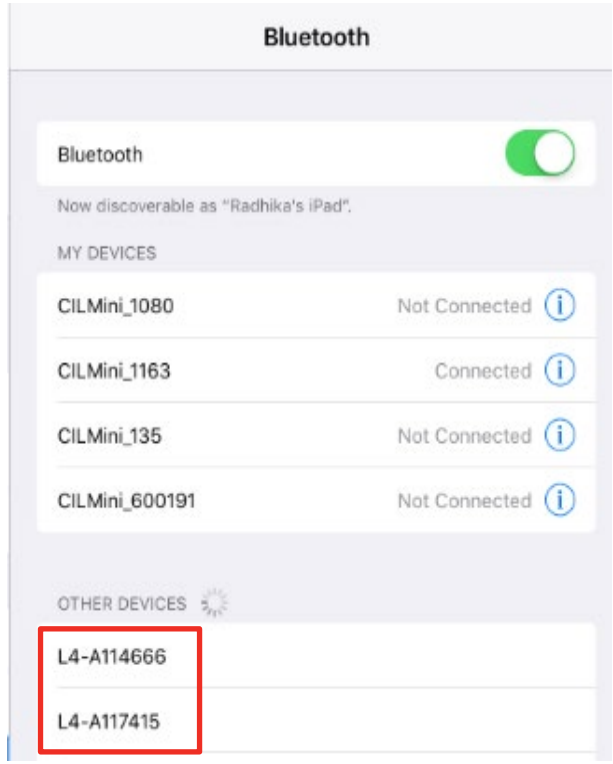
To access Subscription Management:
Settings & Preferences →
Account Management →
Select the user under Profiles And Accounts →
Select the User →
Subscription Management

Connecting Adapter to Guidanz

- For Initial Pairing, the adapter has to be put on pairing mode
  - Hold the reset button at the end of the adapter for about 2-3 seconds
  - The light on the adapter will flash for about 2 minutes
  - You have to pair it to the device within that time
- Subsequent connections
  - The device would be able to find the adapter without needing to press the button on the adapter
- The adapter can be identified by the last few digits of the s/n on the label



Android
Pairing screen is within the app



IOS
Pairing and connection is done on the devices Bluetooth settings window

Connecting Adapter to Guidanz

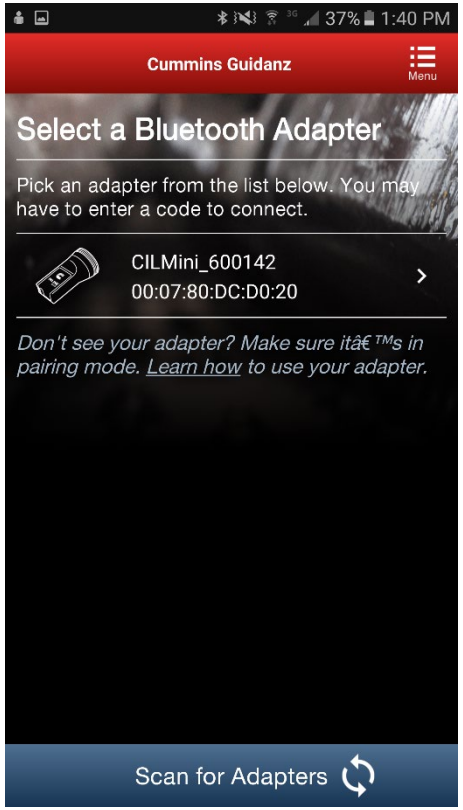
- Known Issue

  This is not a bug.

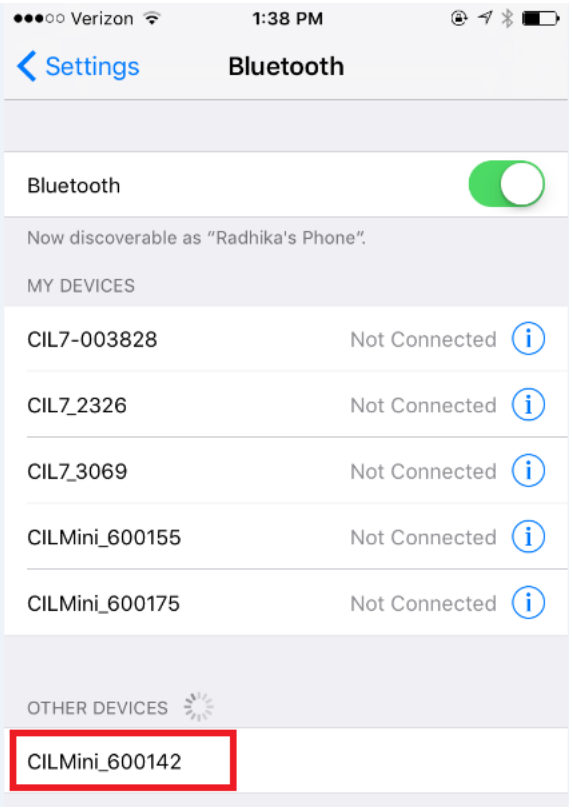
  App does not auto connect to the adapter.

  Unlike some adapters in the market the INLINE 7 and INLINE mini do not auto connect to the mobile device after the initial connection. This is by design to prevent unintended auto connection in locations where multiple users share the adapters.

  We are investigating if something can be done to make it easier to the user, while we (Cummins) must keep our security protocol in place.



Android
Pairing screen is within the app



IOS
Pairing and connection is done on the devices Bluetooth settings window

Connecting Adapter to Guidanz

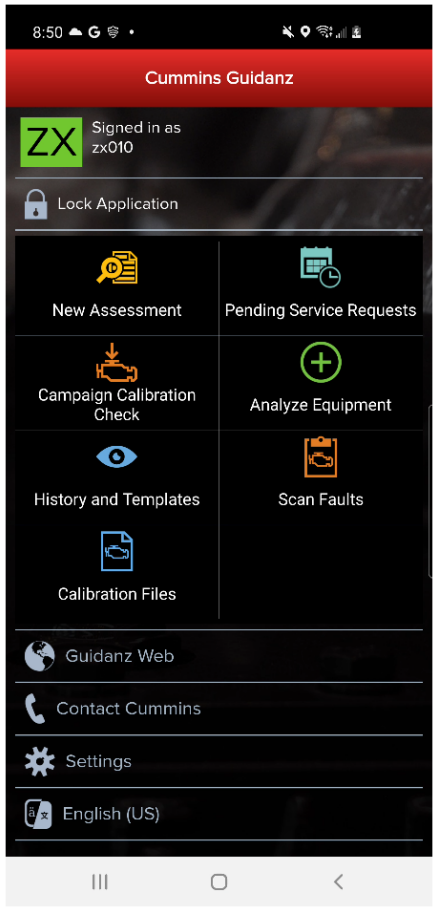
- Firmware Update of INLINE Mini

  If the firmware of the INLINE Mini needs to be updated, once you have selected the INLINE Mini adapter in the app, the app will automatically update it and display a status update once completed.

  If a firmware update has been completed, please be aware that you will have to reconnect again the INLINE Mini.

Home Page/Start Page

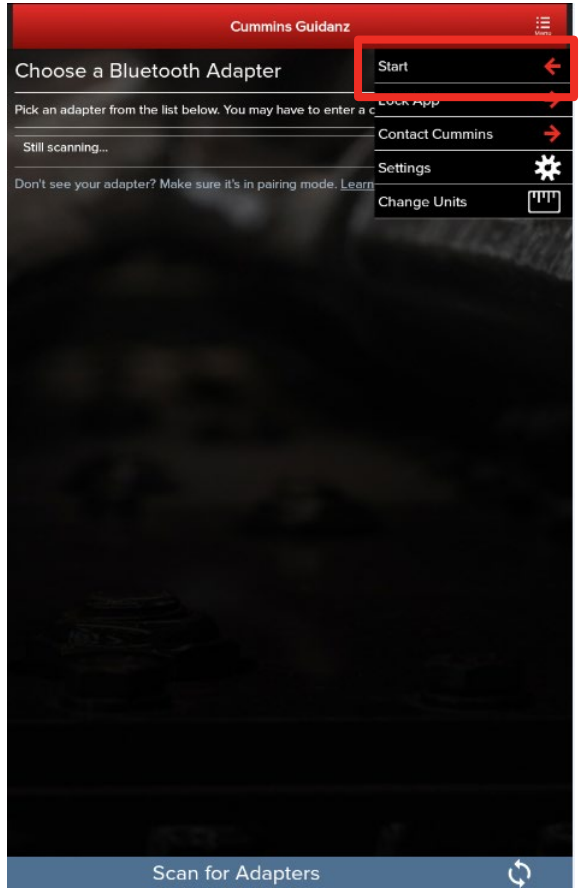
After logging in, user will see the Home page.



Note: When the user is on the Home Page/Start Page, the Guidanz Mobile app is disconnected from the ECM.

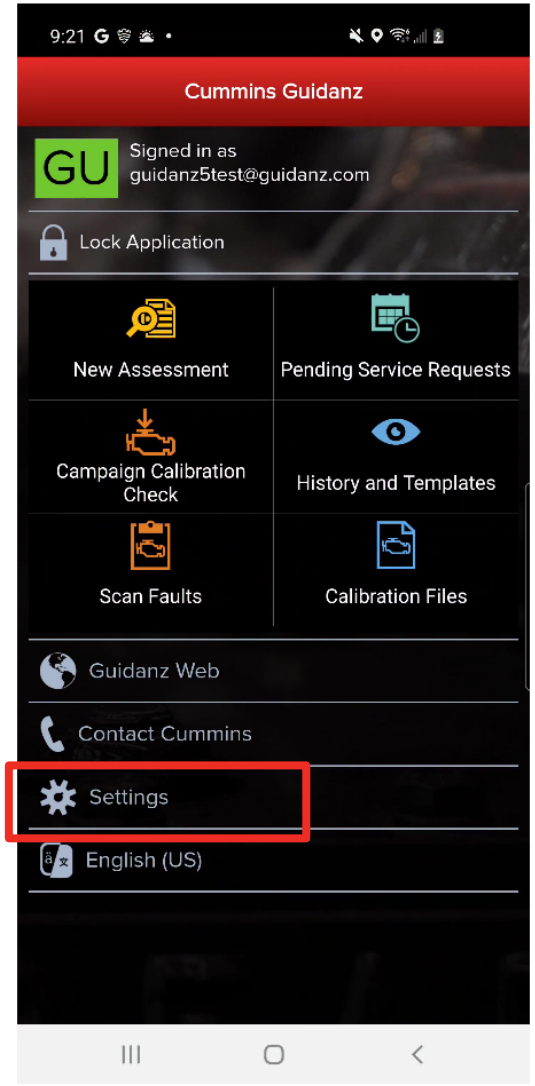
Note: Features displayed on the Home page are dependent upon the user's subscription level.

Another way to get to the Home page is by clicking on Menu → Start while performing any action at which time the Guidanz Mobile app will be disconnected from the ECM.



Public

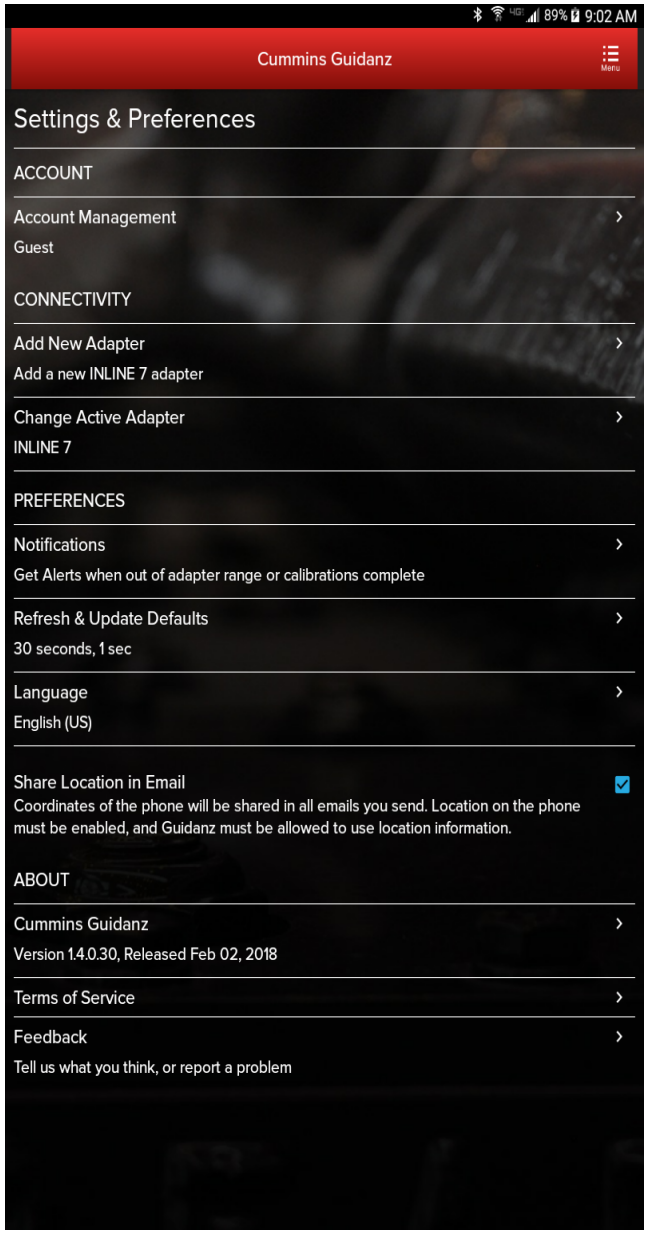
Menu - Settings and Preferences



To access Settings and Preferences:

- In the Start page, click on the Settings button
- When connected, click on Menu → Settings

Menu - Settings and Preferences



ACCOUNT

Account Management - Allows user to view subscription status, change pin, remove user profiles, add new users, enable/disable background/foreground locks and time, change PIN, Change Display Style

CONNECTIVITY

Add New Adapter - Allows user to add a new adapter

Change Active Adapter - Allows user to add a new adapter

Change Storage Limits – Allows user to change the duration IA records are stored for. By default they are stored for 30 days.

PREFERENCES

Notifications - Allows user to enable/disable onscreen notification when the adapter goes out of range or when a time consuming task(like calibration update) is completed

Refresh & Update Defaults – Allows user to set faults and monitor refresh rates

Language – Allows user to change the language

Share Location in Email – Shares location GPS coordinates in email

ABOUT

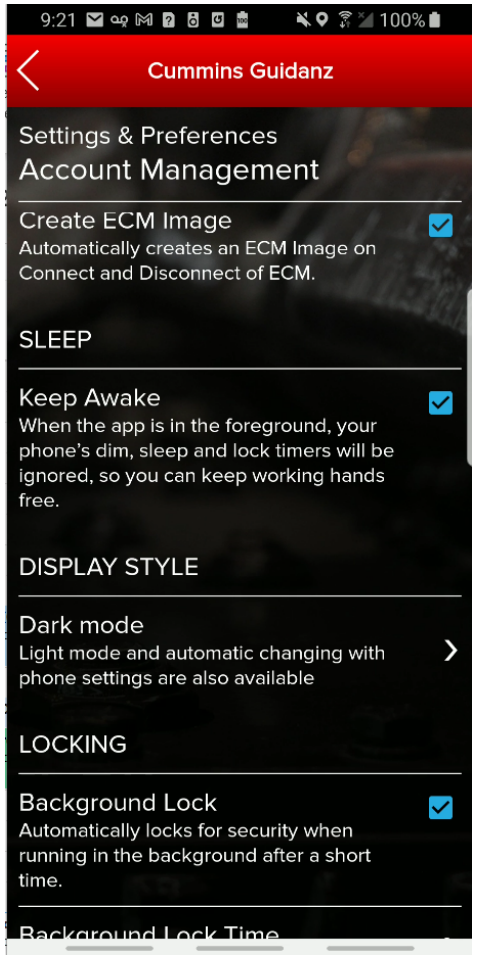
Cummins Guidanz link – Shows app version and displays intro screen again

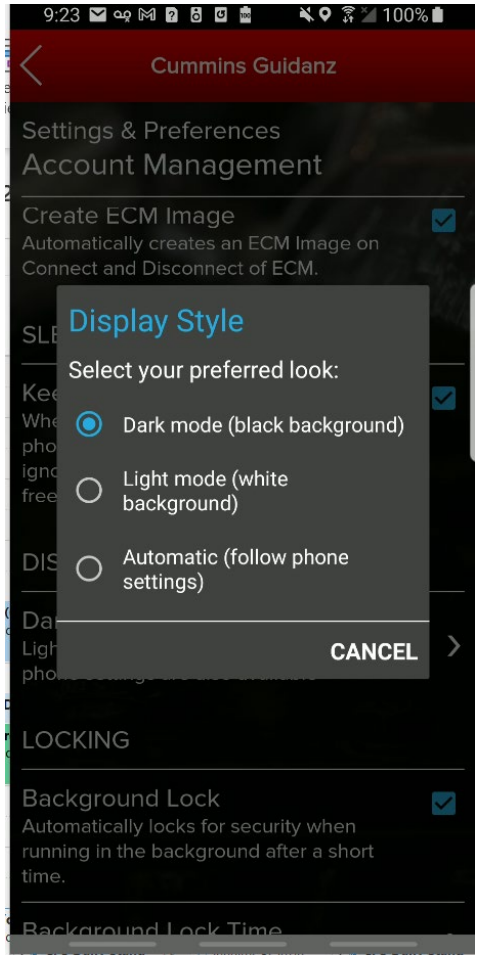
Terms of Service – Shows user the End User License Agreement

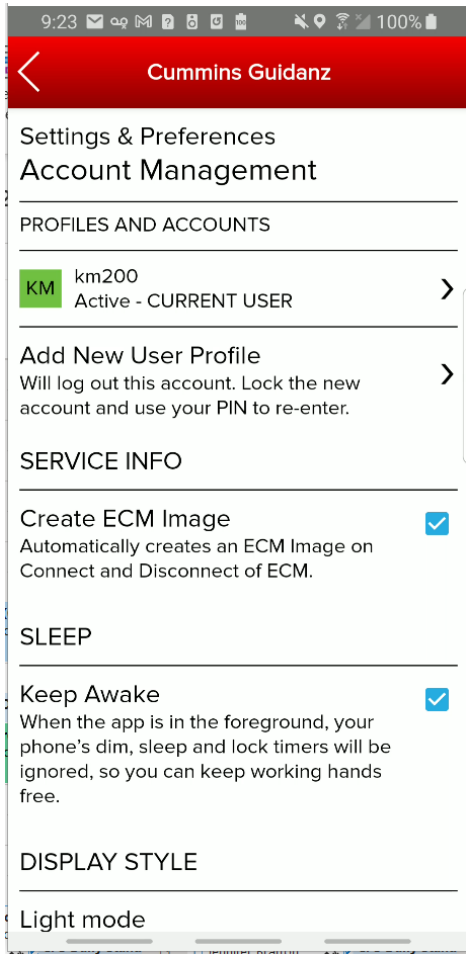
Privacy Policy – Allows user to see Cummins Inc. Privacy Policy

Feedback – Allows user to contact servicetoolsupport@cummins.com

Display Style







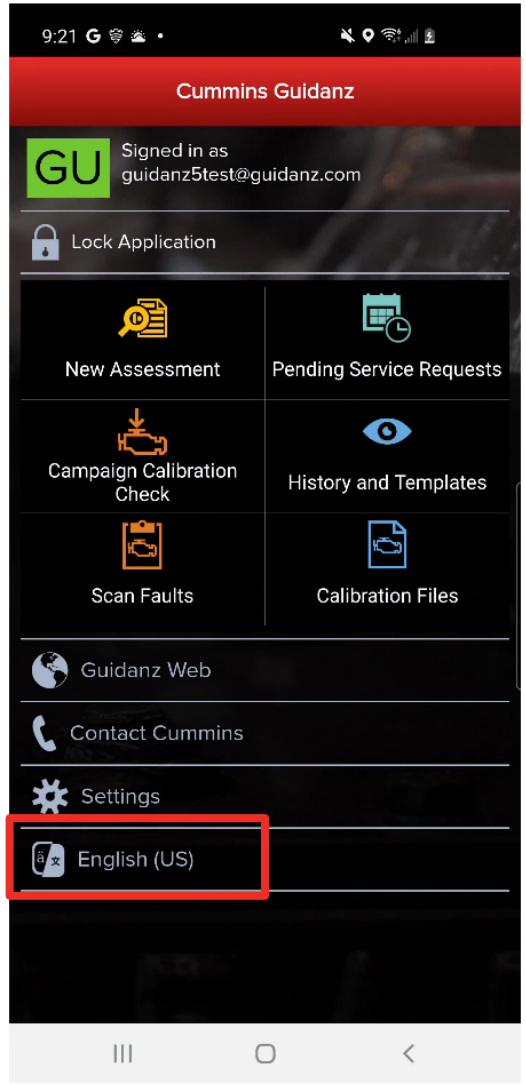
Display Style
Users can switch between light and Dark Themes.

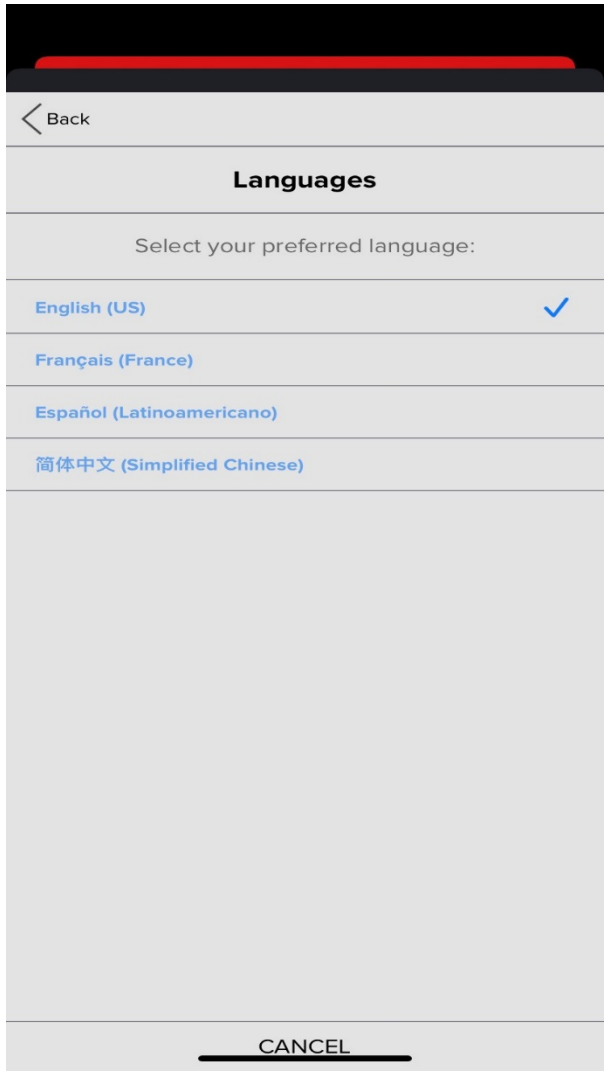
To access Display Styles.

- Settings & Preferences → Account Management → Subscription Management
- Display Styles
  - Dark
  - Light
  - Automatic

Public

Language Settings

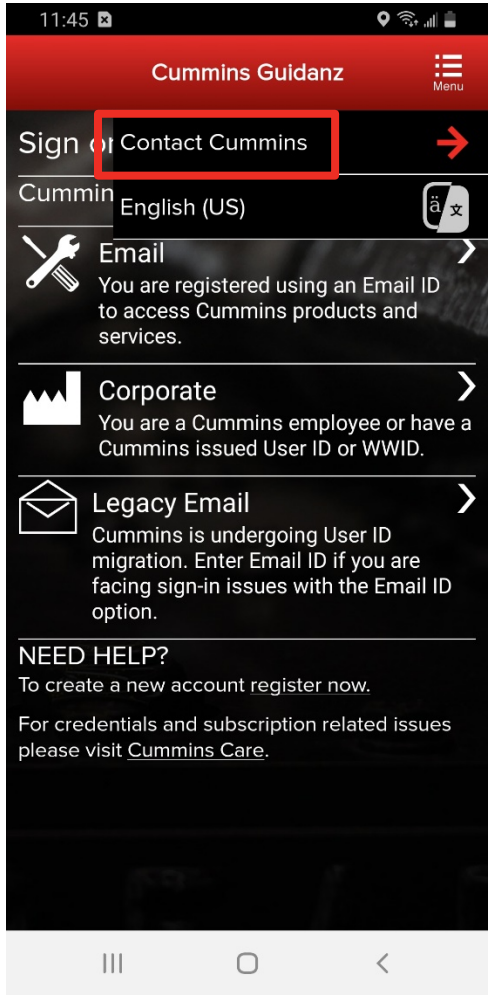


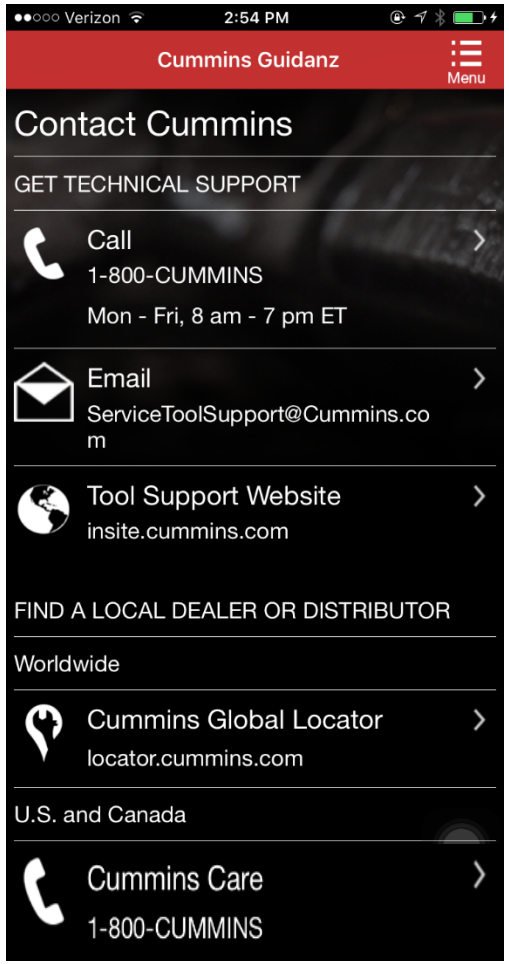


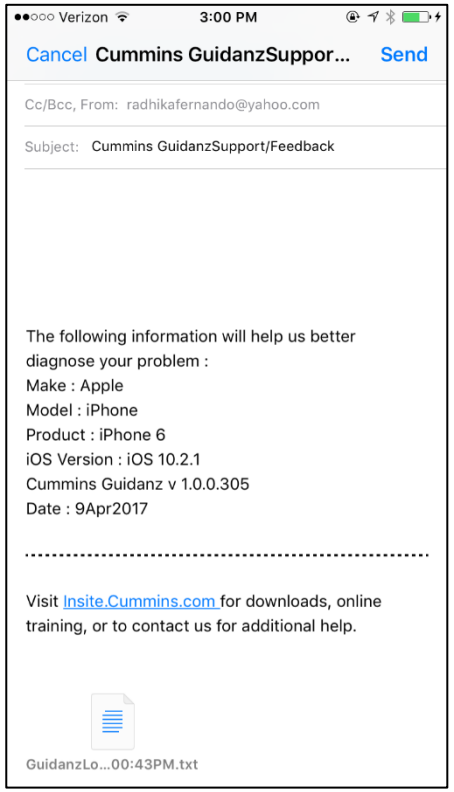
Available languages

- English
- French
- Spanish
- Simplified Chinese

Menu – Contact Cummins/Log File





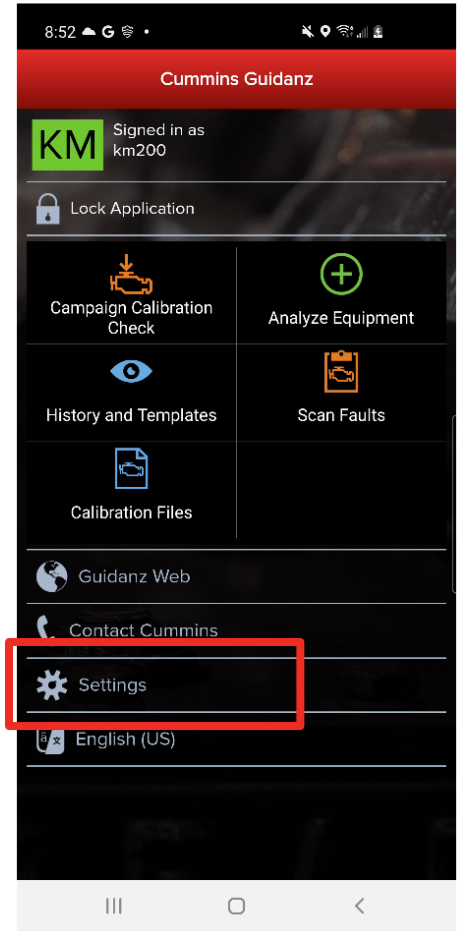


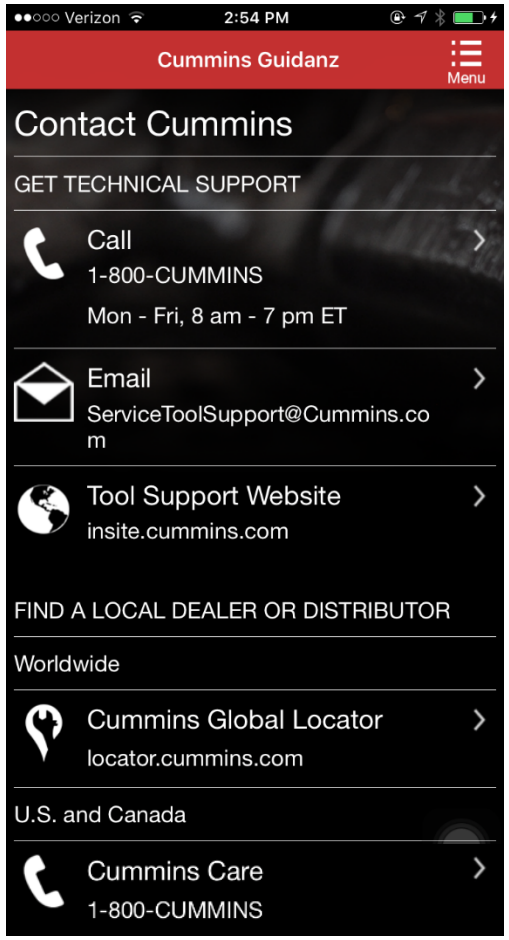
Allows user to call or email technical support.

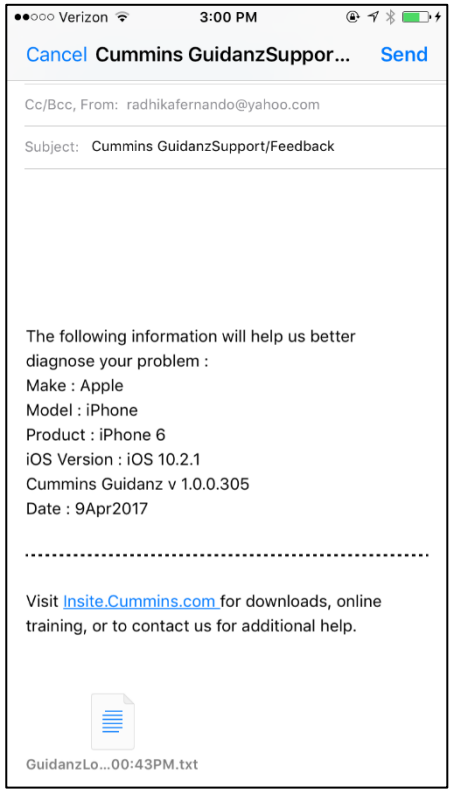
In Start page, click on Menu → Contact Cummins.

The email contains device details that will help the support personnel troubleshoot issues.

Menu – Contact Cummins/Log File





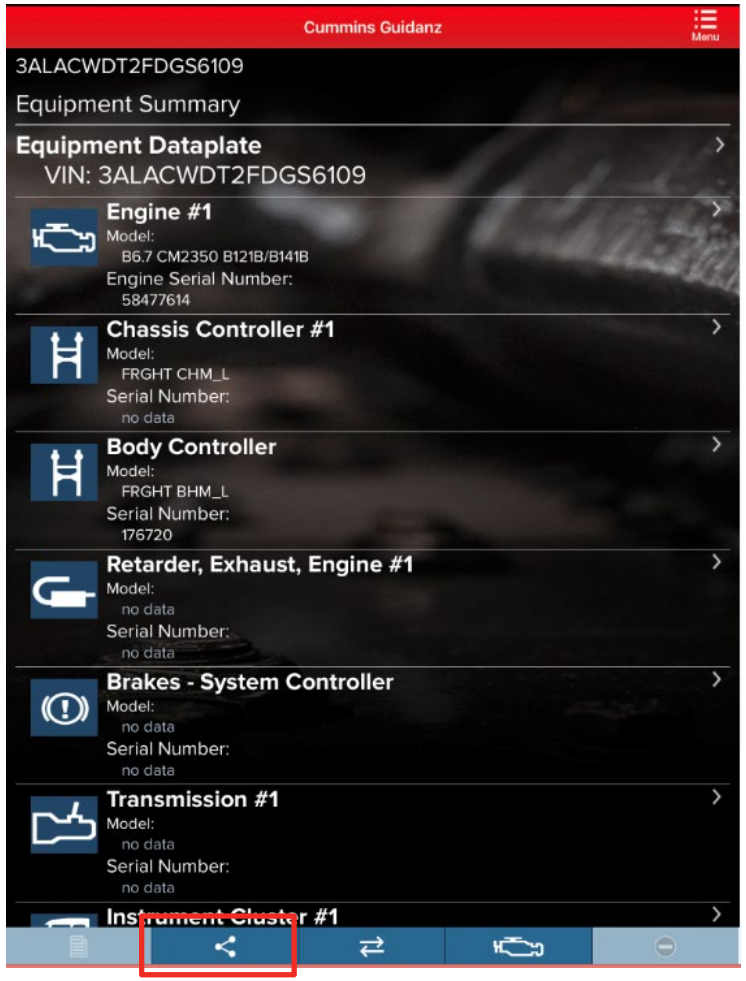


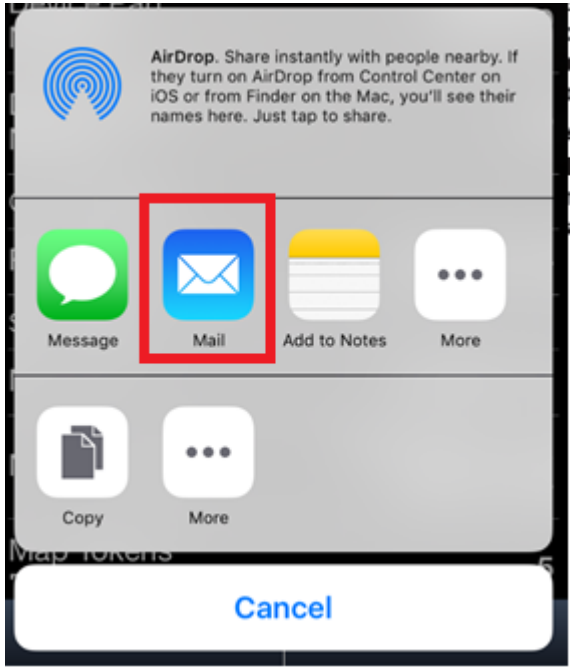
Or when connected, click on Menu → Contact Cummins → Email

The email contains device details that will help the support personnel troubleshoot issues.

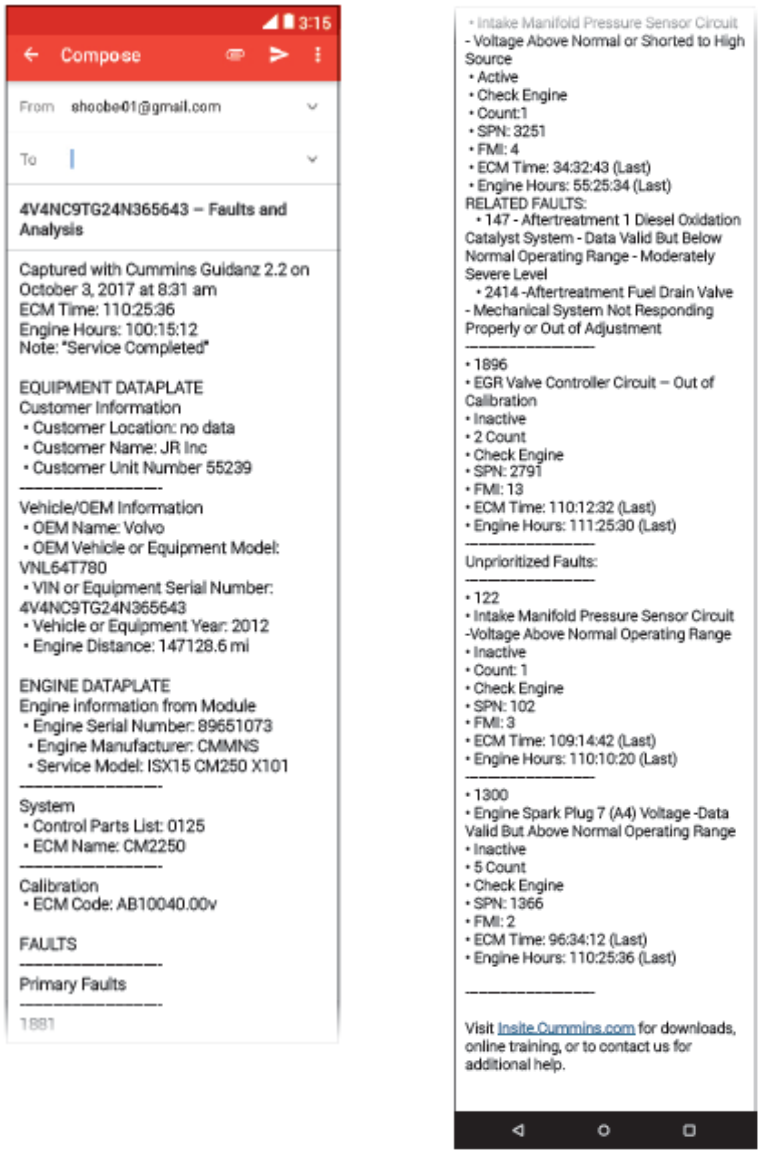
Share Button

- User can share the content in the screen via email





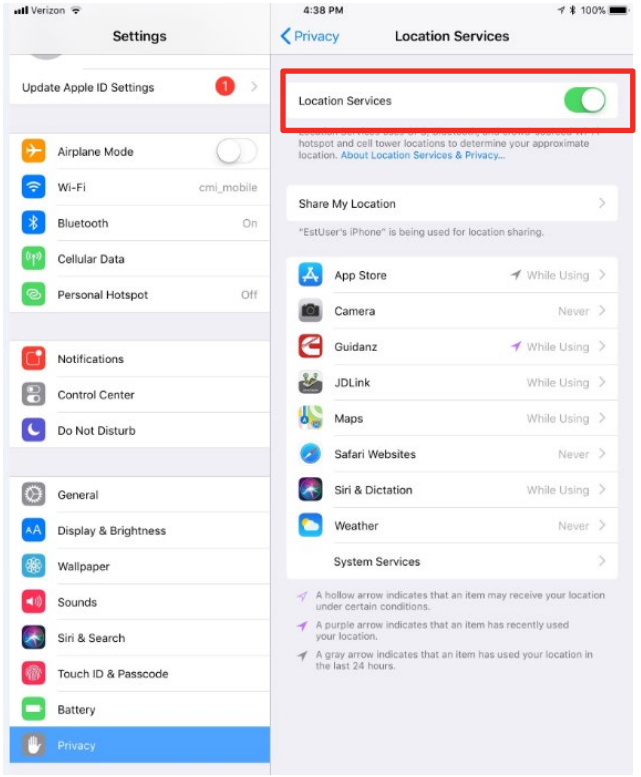
Sharing Fault Results

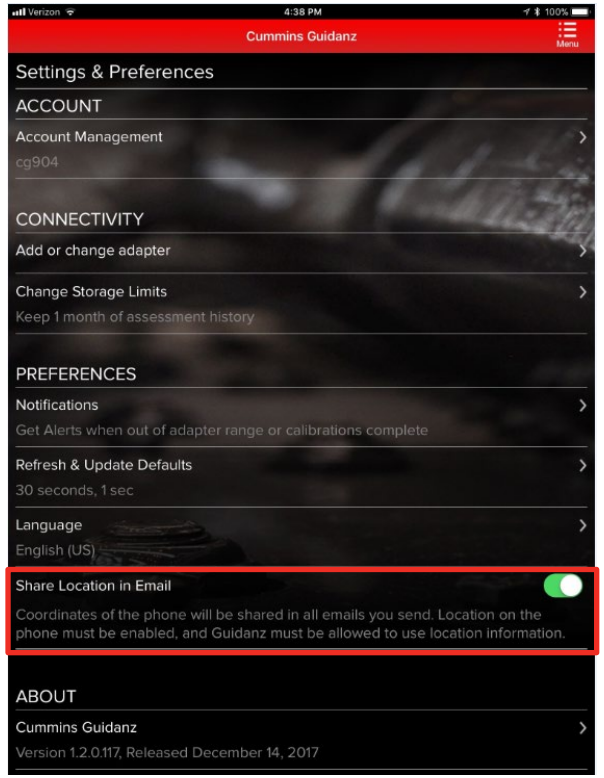


- User can click the “Share” button from the Faults screen or from the Immediate Assessment summary page to email the results
- Emailing from either page will share the same results
- It appends VIN, ESN, and some other information from the Dataplate and individual fault details page so that the user doesn’t need to go to individual pages and email
- “Share” button from any other page will email only the content in that page.

Location

- When user selects the Location option in Settings in the device, as well as the Share Location in Email in Settings in the app, the device location will be included in the email.



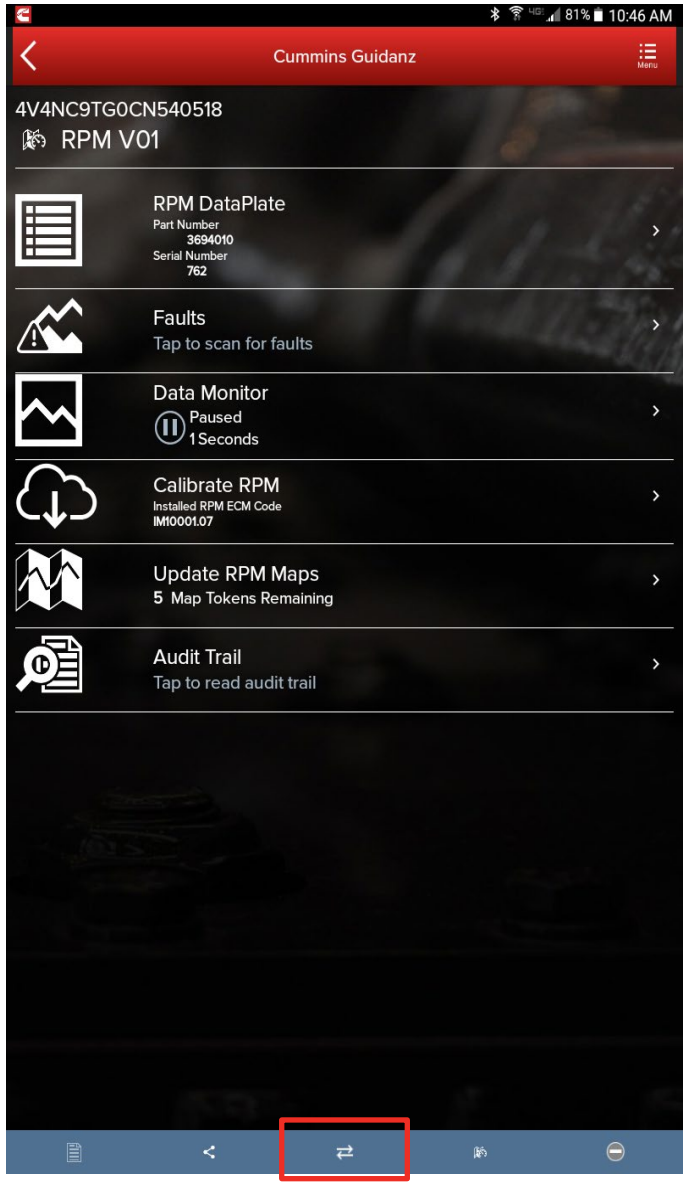


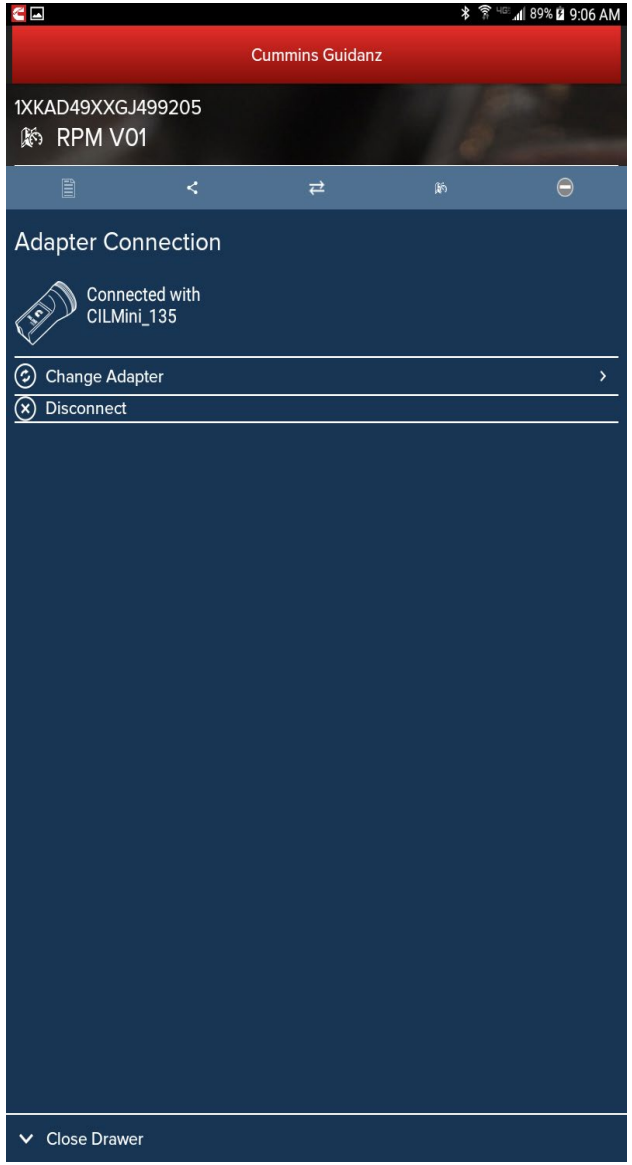
The following information will help us better diagnose your problem :
Make : Apple
Model : iPhone
Product : iPhone 6
OS Version : iOS 11.1.2
Cummins Guidanz v 1.2.0.116
Username :cssdl02
Date : 20Dec2017
Your Location: google.com/maps?q=39.1957599543729,-85.8936142118446

Visit Insite.Cummins.com for downloads,online training, or to contact us for additional help.

Connection Button

- Adapter Tab - Allows user to change adapter or disconnect app from adapter



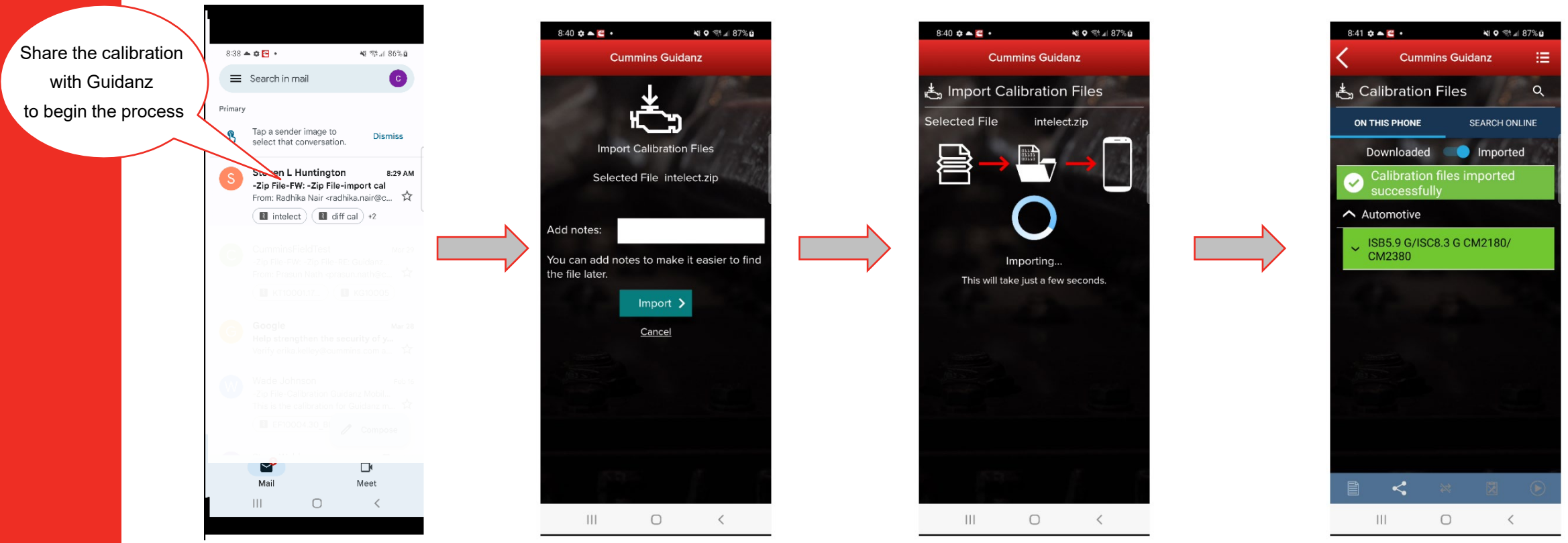


Manual Refresh

- Users can manually refresh the screen by swiping down the screen

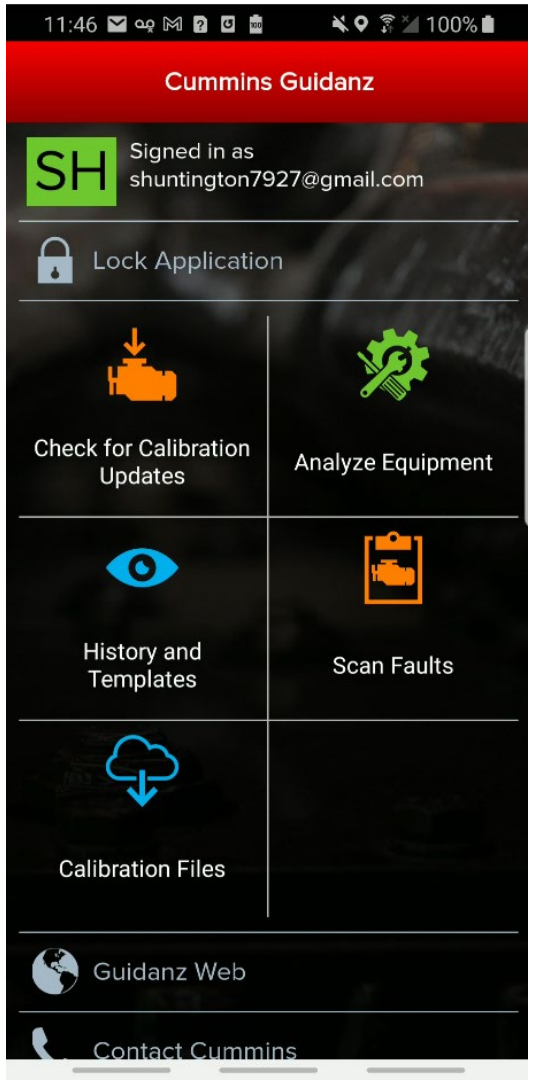
Calibration Import from mail

- Compatible calibrations can be imported directly from the mobile device email.



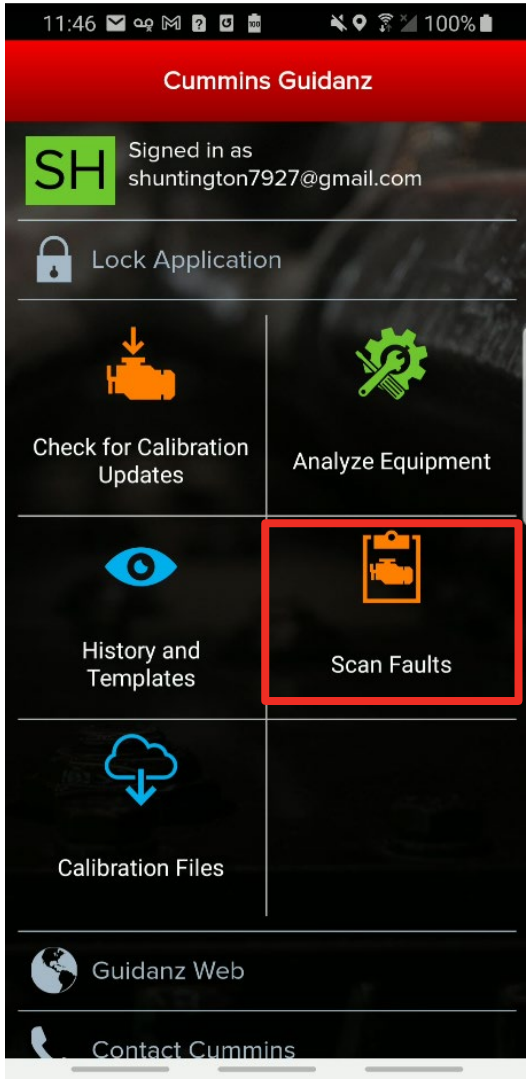
Basic Functionality – Guest User

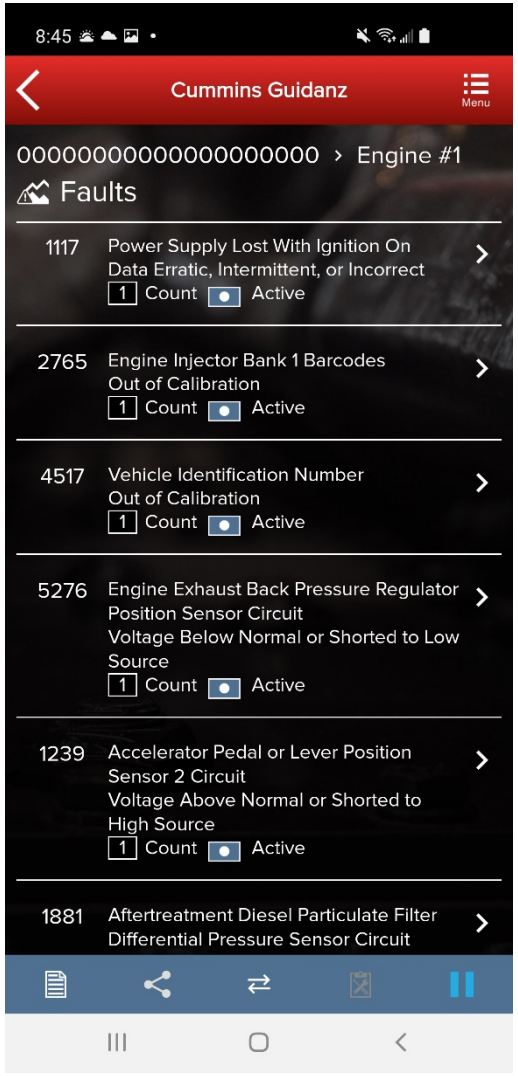
Home Page



- **Basic Functionality**
  - Campaign Calibration installation capability
  - "Scan Fault" which is a focused function that can be used to just read the faults from the engine without any fault prioritization.
  - Enter ESN and customer information
  - Create Events and View Events
  - RPM module support
  - Equipment and device dataplate information
  - Prioritized Cummins fault codes, and descriptions
    - Does not apply to multiple ECM engines
  - J1939 Device Fault
  - The ability to share any information in the app via email
  - French, Spanish, Simplified Chinese language support

Scan Faults



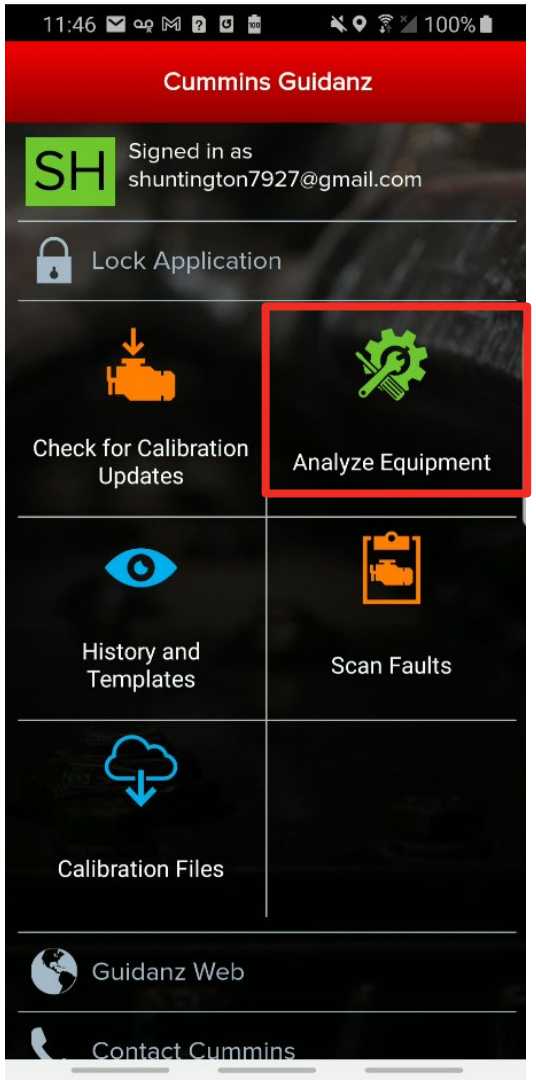


When selecting Scan Faults the user is taken directly to the Equipment Dashboard

No prioritized fault codes will be displayed

Event folder will be created

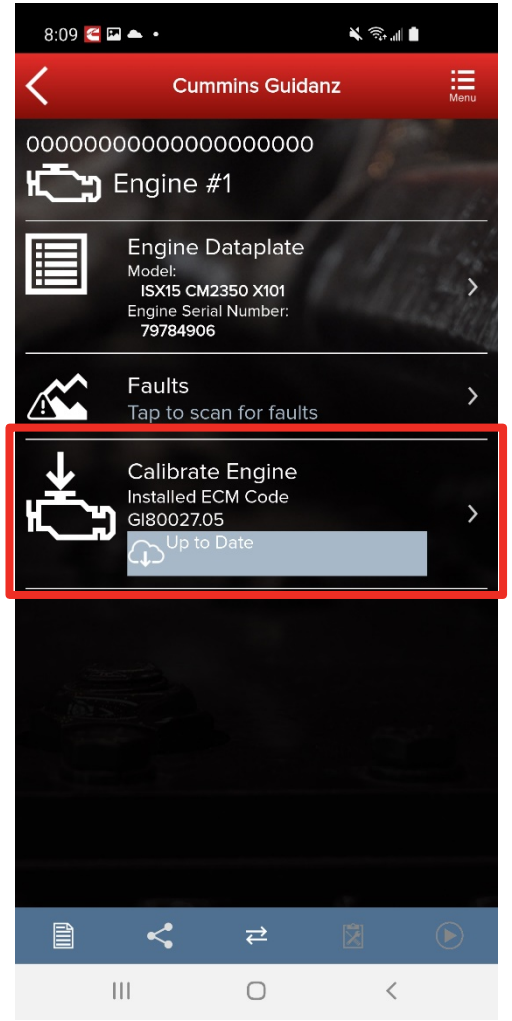
Campaign Calibration Installation Through Analyze Equipment

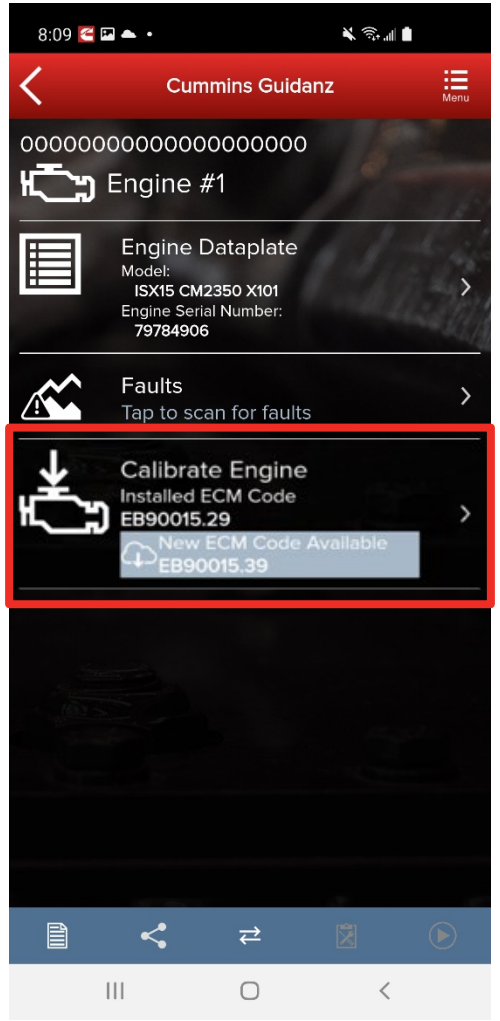


- If the user clicks on Analyze Equipment the user will be taken to the ECM Device Dashboard once the user is connected to the ECM.

Public

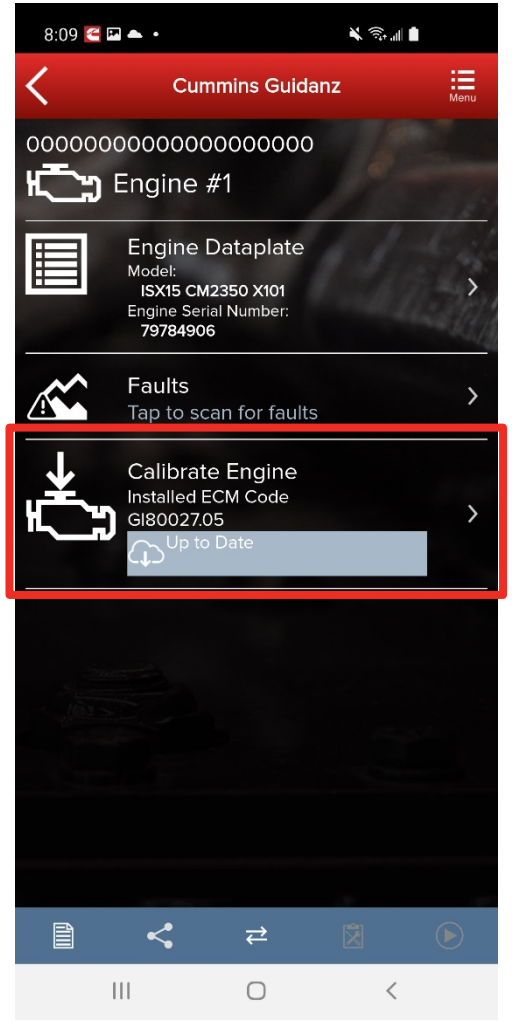
Calibrate Engine

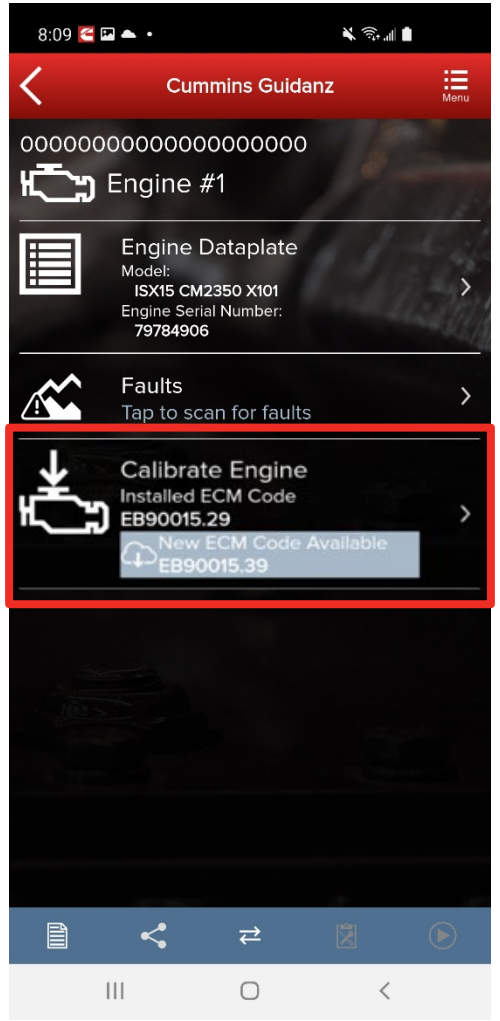




- The Calibrate Engine feature on the ECM Device Dashboard will display to the user whether or not the installed ECM code is up to date or whether there is a new revision of the ECM code available.
  - Does not apply to multiple ECM engines.

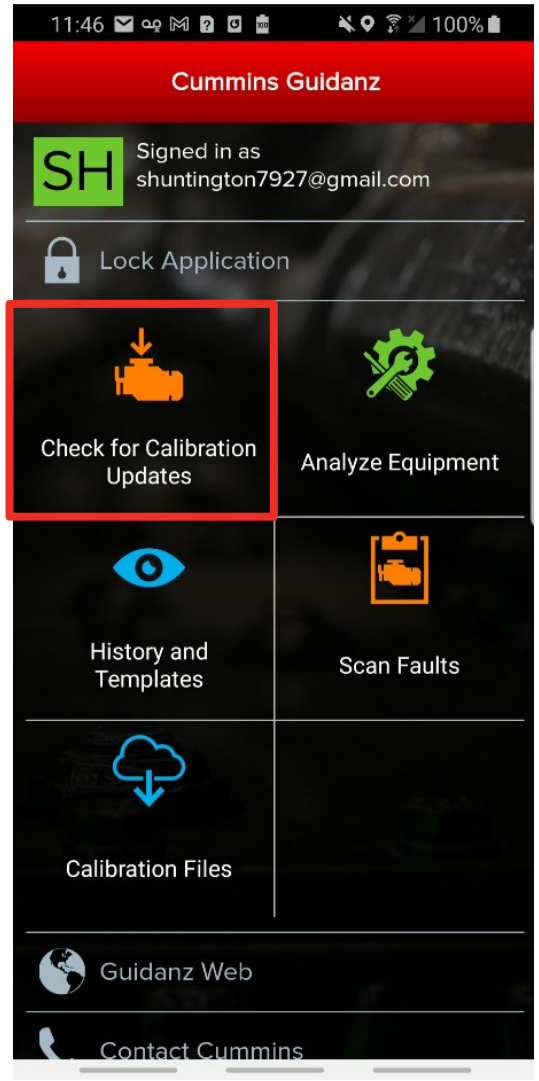
Calibrate Engine





- If there is a new ECM code available, and the user clicks on the Calibrate Engine feature on the ECM Device Dashboard, the app checks whether the ESN is in campaign and then user will be taken through the process to upgrade to the latest ECM code revision.
- Only for an ESN in campaign, if the calibration download fails or the ECM gets rombooted during the calibration download, the user can recover the ECM by going through the pre-defined steps using the same device and user login.

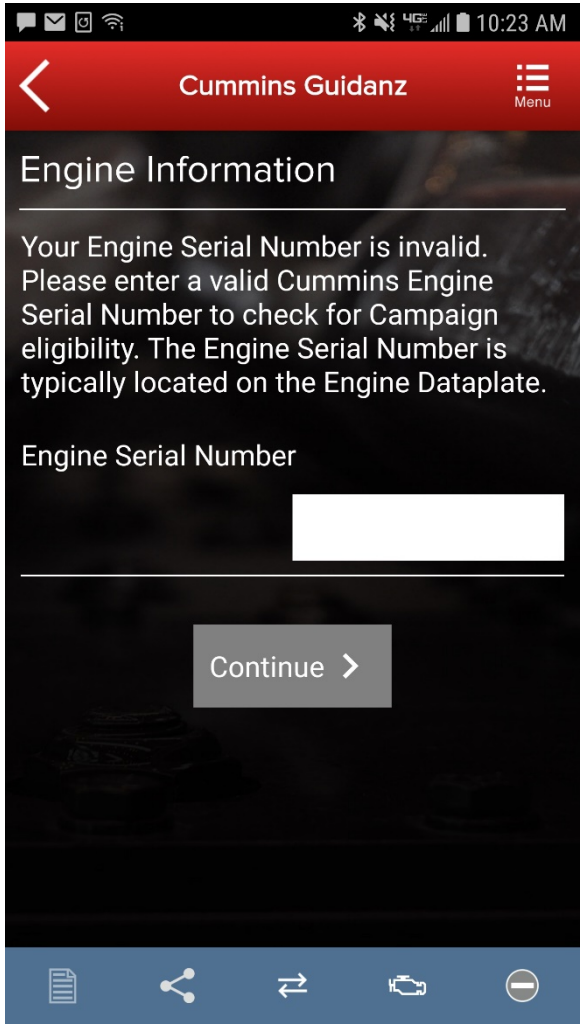
Campaign Calibration Installation



- To check for available calibration download, click on the Campaign Calibration Check button which will connect the user to the ECM.
  - Does not apply to multiple ECM engines.

Public

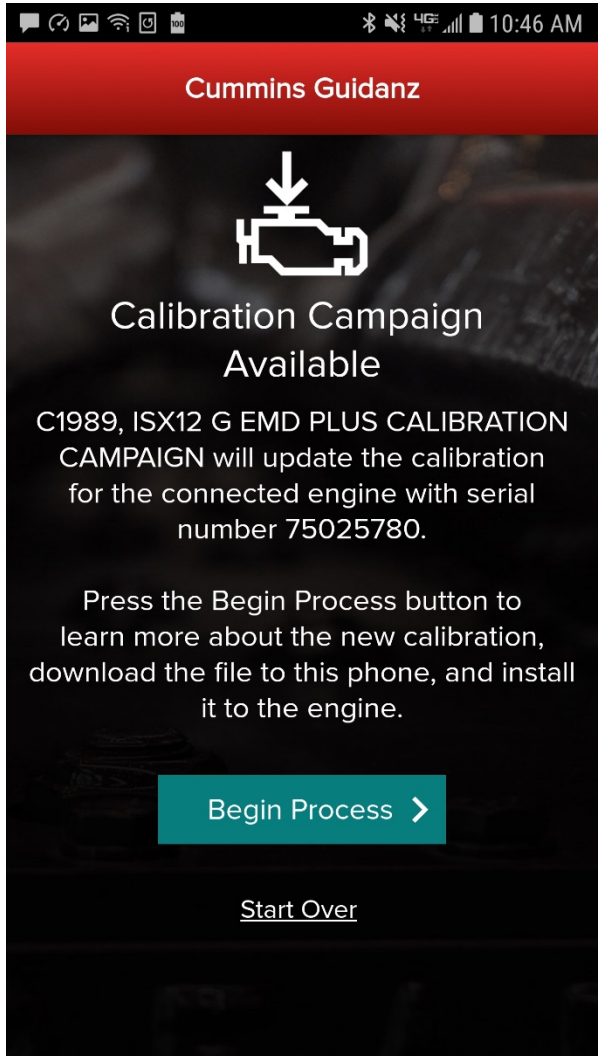
Engine Serial Number (ESN) Eligibility Check

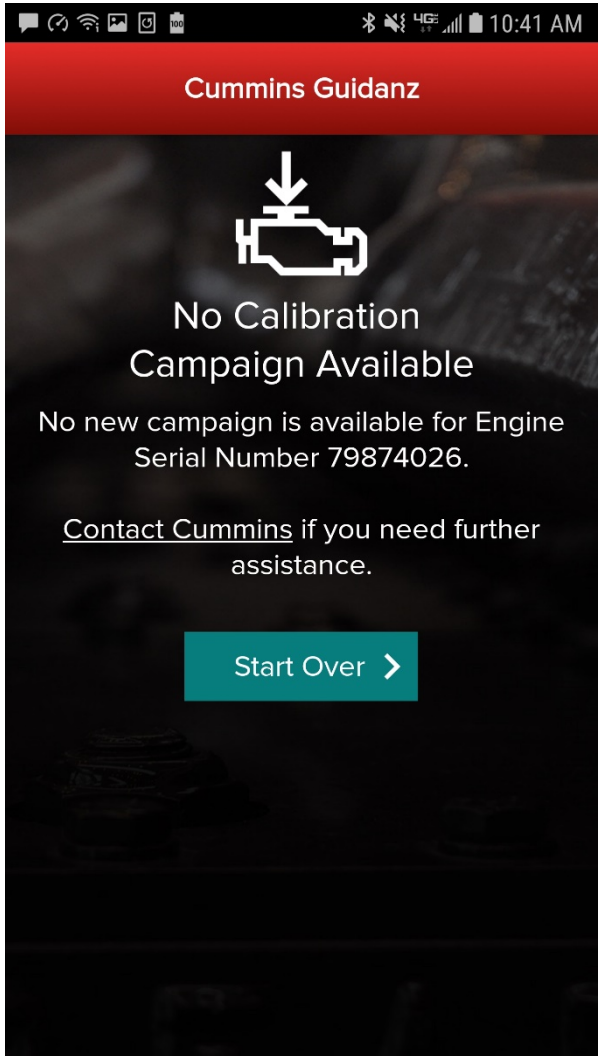


- If Guidanz detects an invalid ESN, the user is prompted to enter a valid ESN

Public

Engine Serial Number (ESN) Eligibility Check



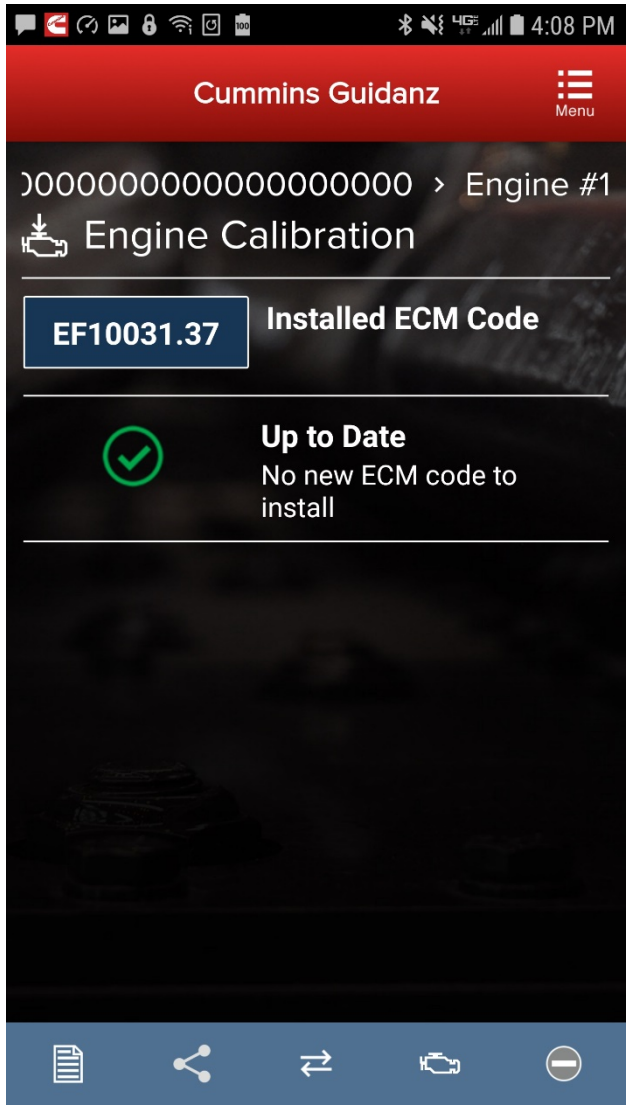


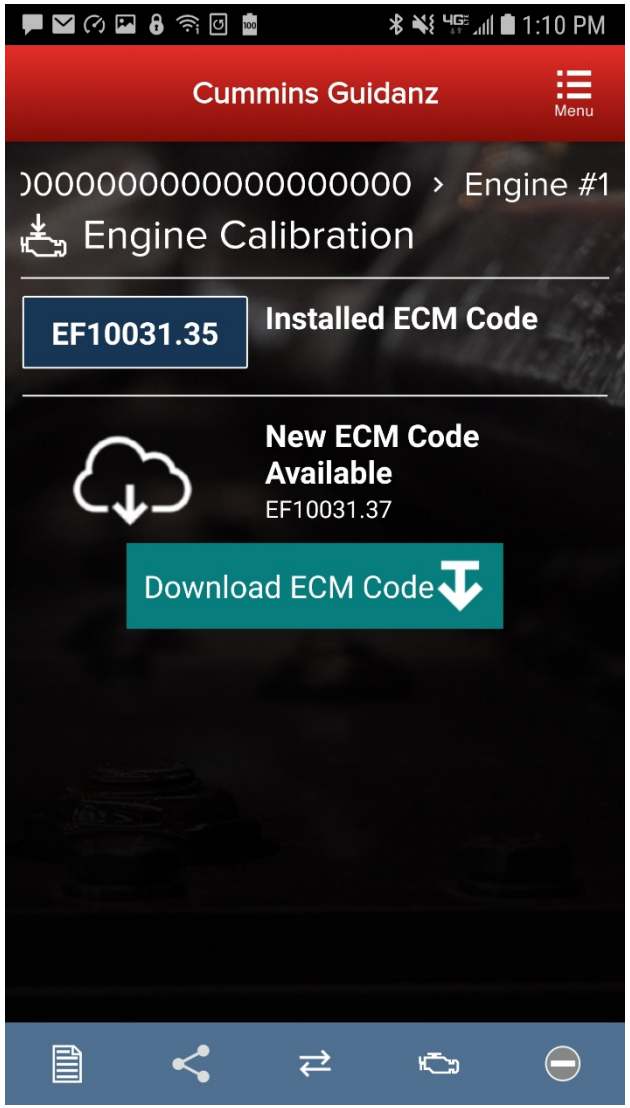
Guidanz mobile will notify the user of the availability or non-availability of a calibration.

If the Engine is not Calibration Campaign eligible, the engine calibration revision can be updated through “Analyze Equipment” path.

Public

ECM Code Information





If user clicks on Begin Process, after retrieving the calibration data for the connected ECM, the app will display the installed ECM Code and the ECM Code revision.

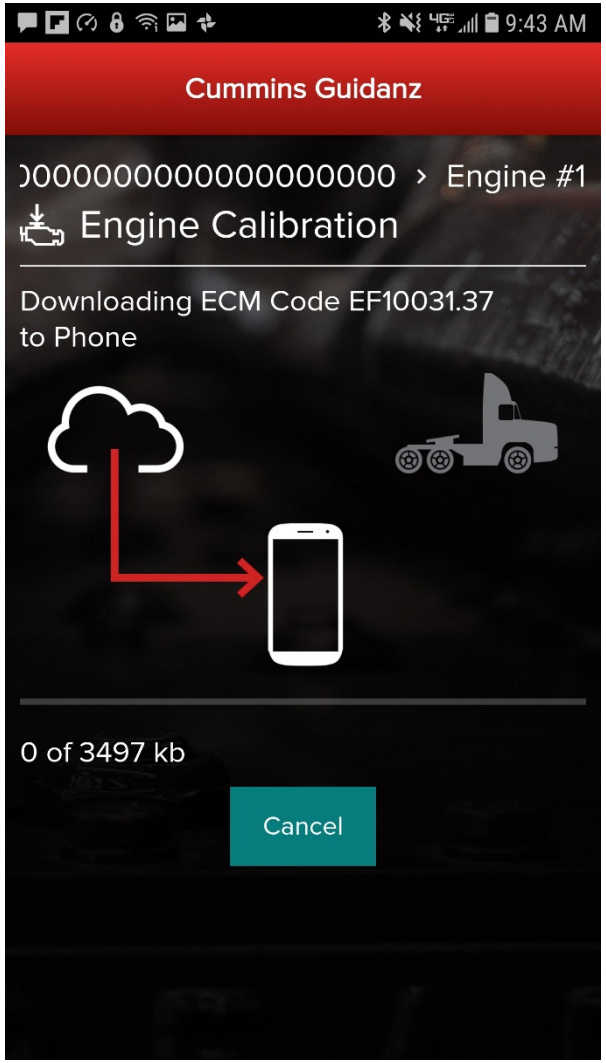
If the installed ECM Code is already at the latest revision, the user will receive an Up to Date notification that there is no new ECM code to install.

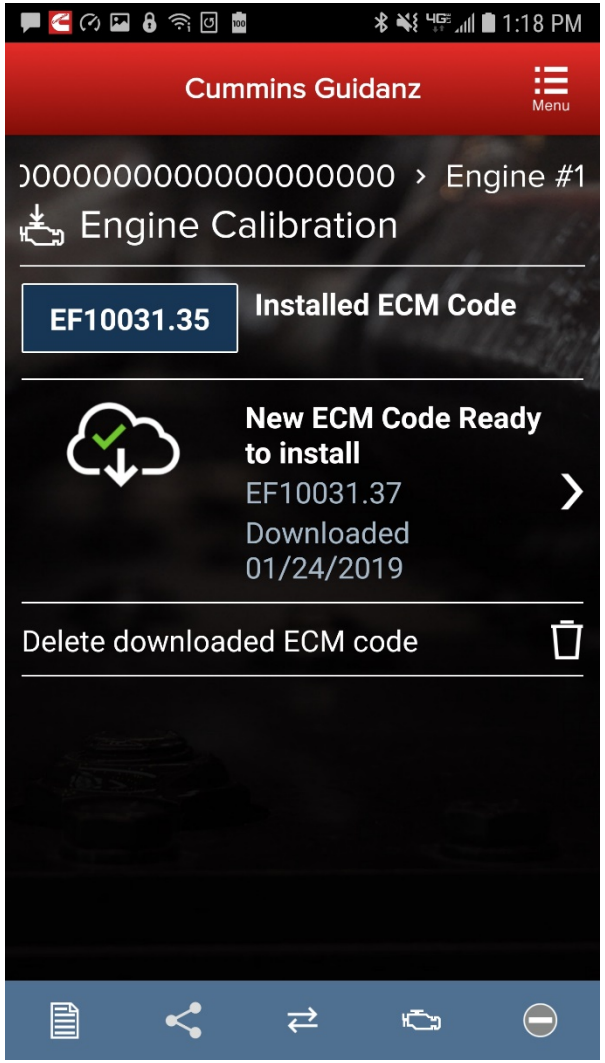
If there is a newer ECM Code revision, the app will prompt the user to Download ECM Code.

Once the user clicks on Download ECM Code the app will validate the revision compatibility and then download the new ECM Code.

Public

ECM Code Information



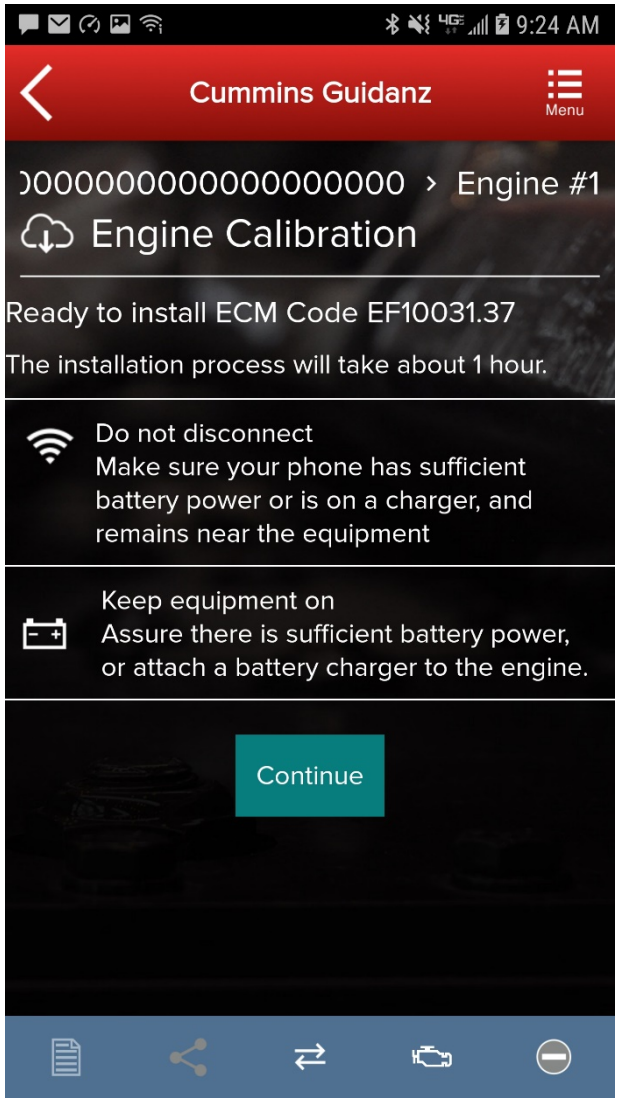


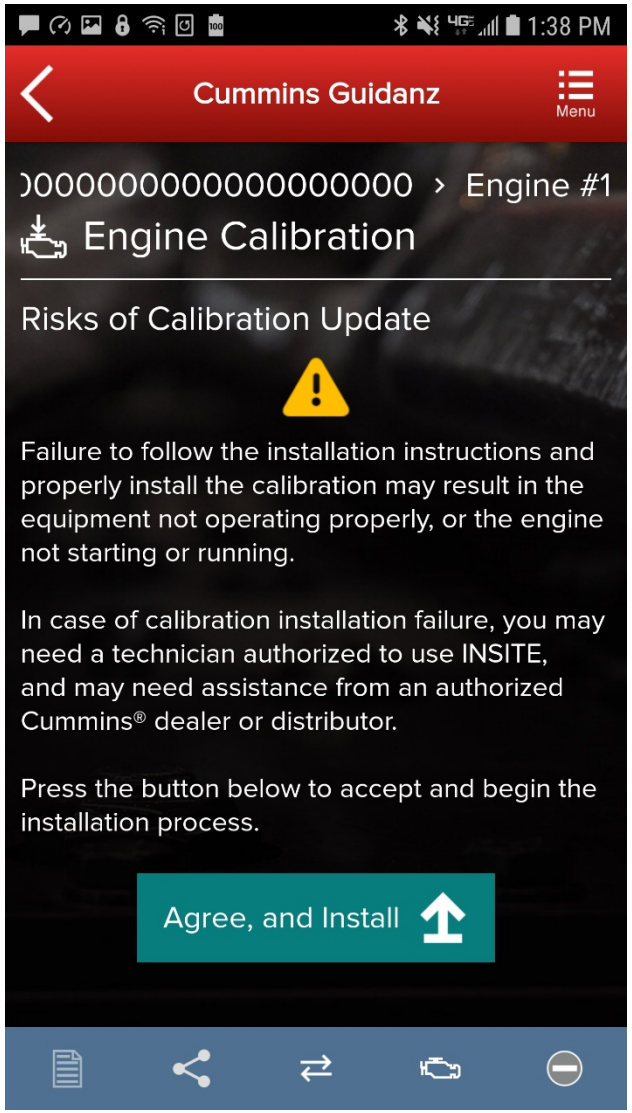
After the app has downloaded the latest ECM Code revision from the cloud, or if the ECM Code has already been downloaded and stored on the phone, a message will be displayed that a new ECM Code is ready to install.

The user can also delete the downloaded ECM code at this point.

Public

User Warning Messages

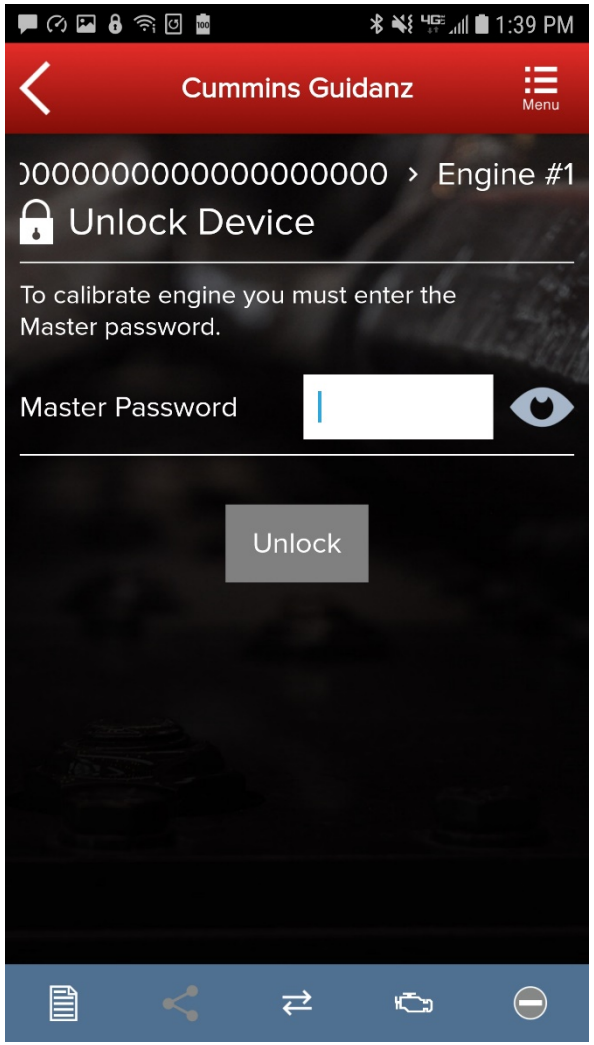


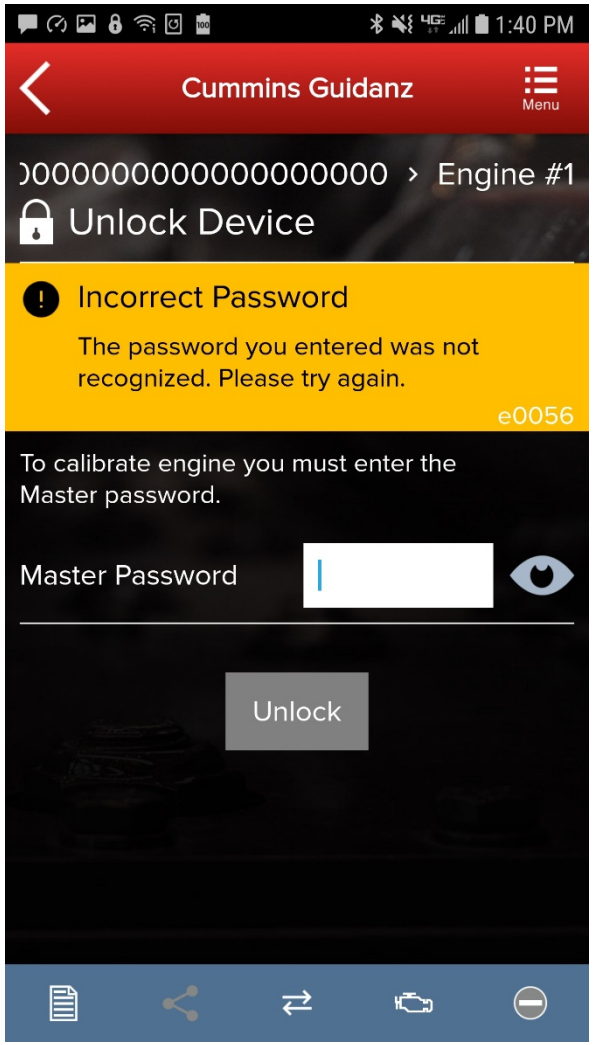


- When the user clicks New ECM Code Ready to Install, the app will display warning messages. The user must read and click Agree, and Install to start the installation process
- If the user has to enter a master password to unlock the device, the Risks of Calibration Update warning message will be displayed twice.

Public

Multi-Level Security

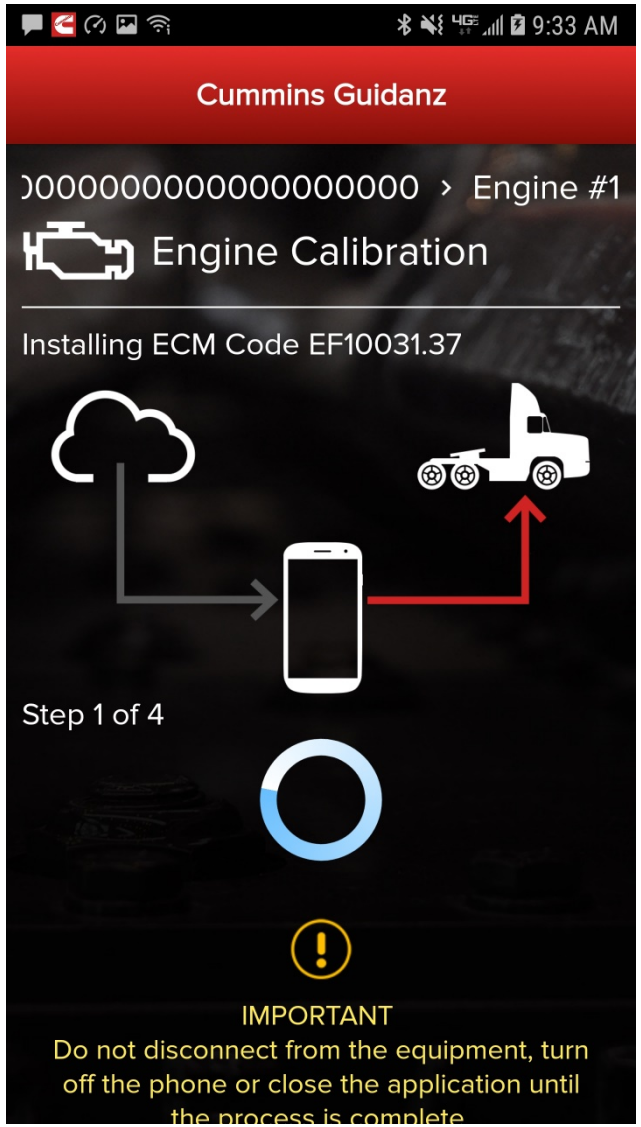


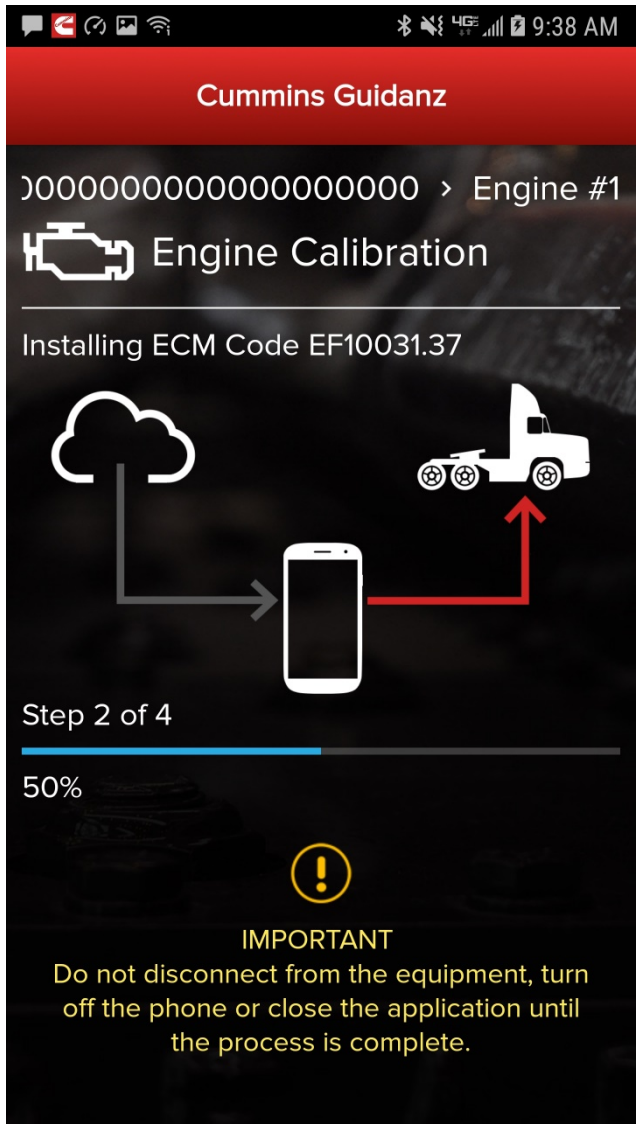


If master password is set, user will be prompted for password.

Public

Calibration Installation Process

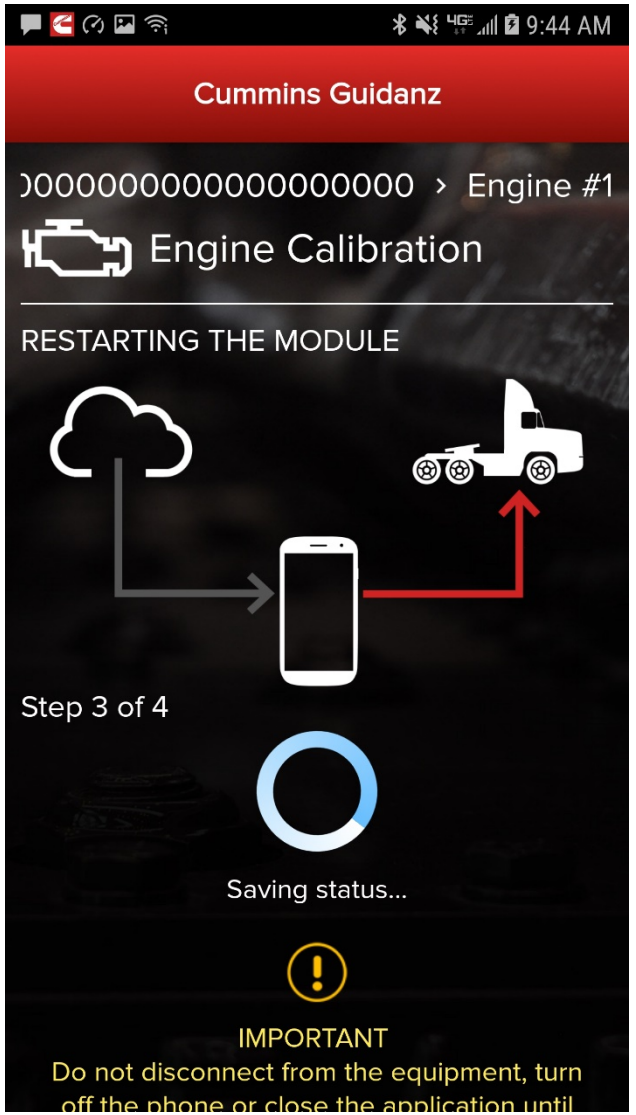


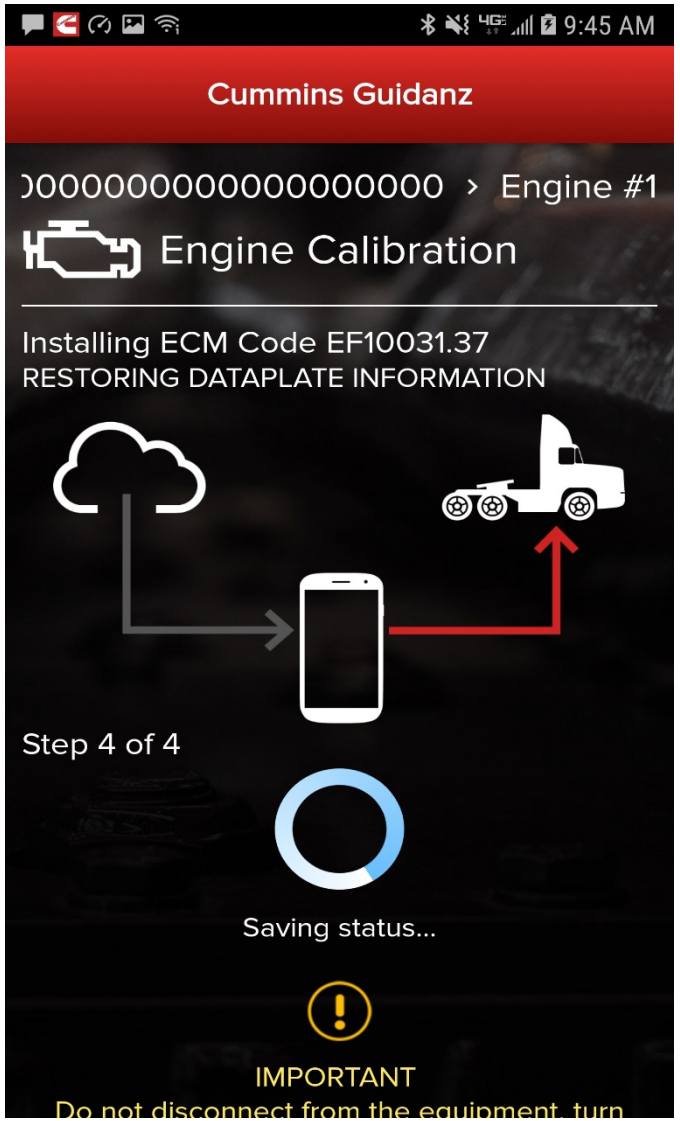


The app will go through Steps 1 - 4 of the installation process.

Public

Calibration Installation Process

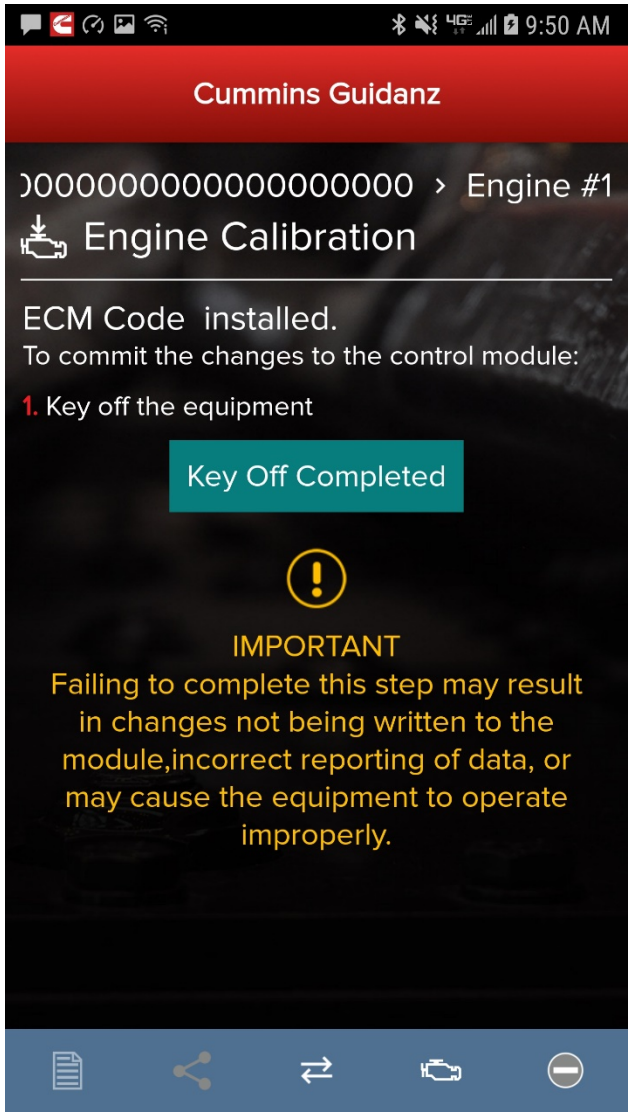


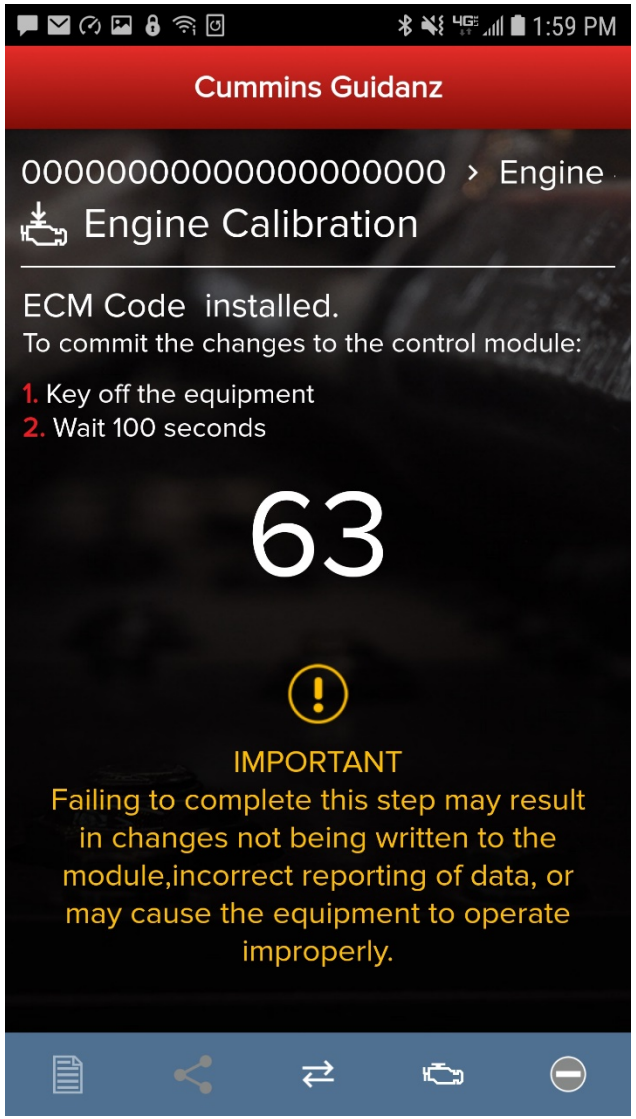


The app will go through Steps 1 - 4 of the installation process.

Public

Key Off Instructions

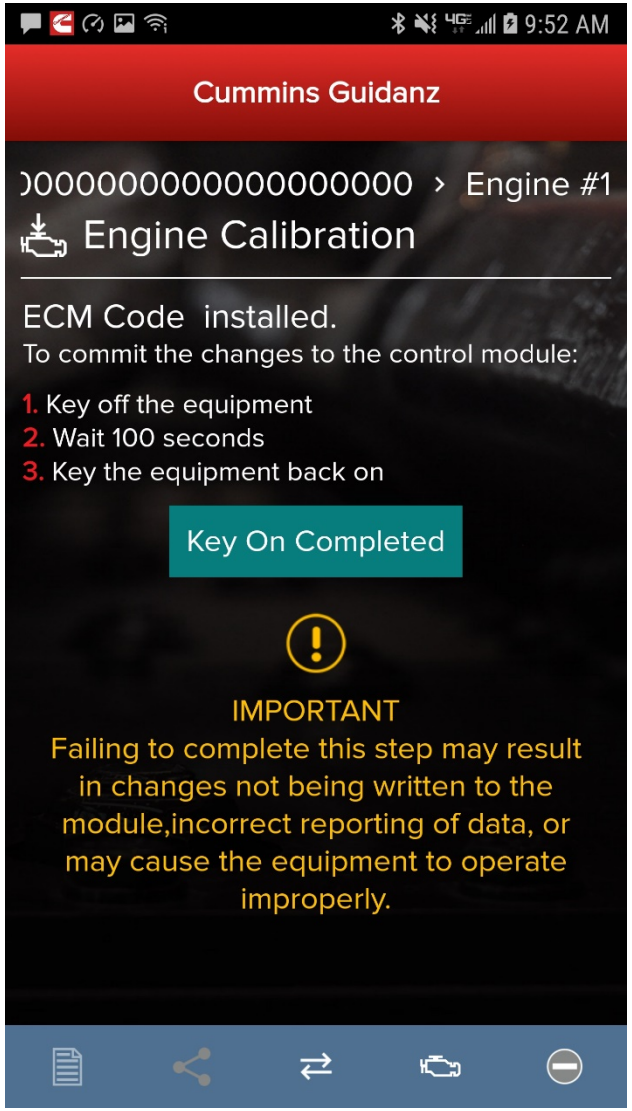


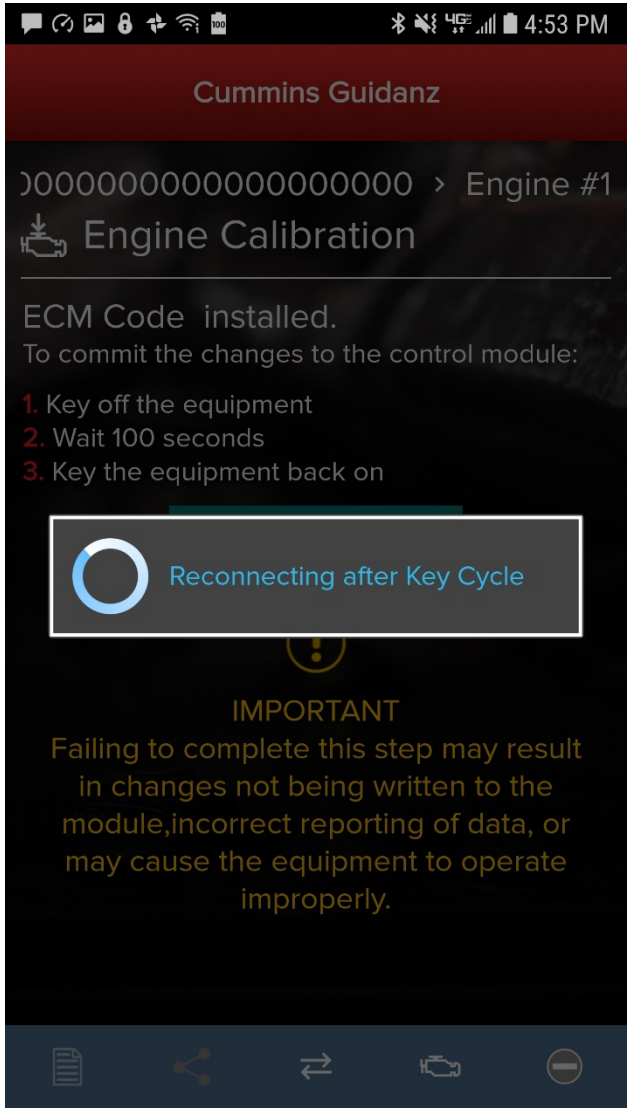


After completion of the 4 installation steps, the user is prompted to key off. A timer will count down. Its length is determined by the engine type.

Public

Key On Instructions

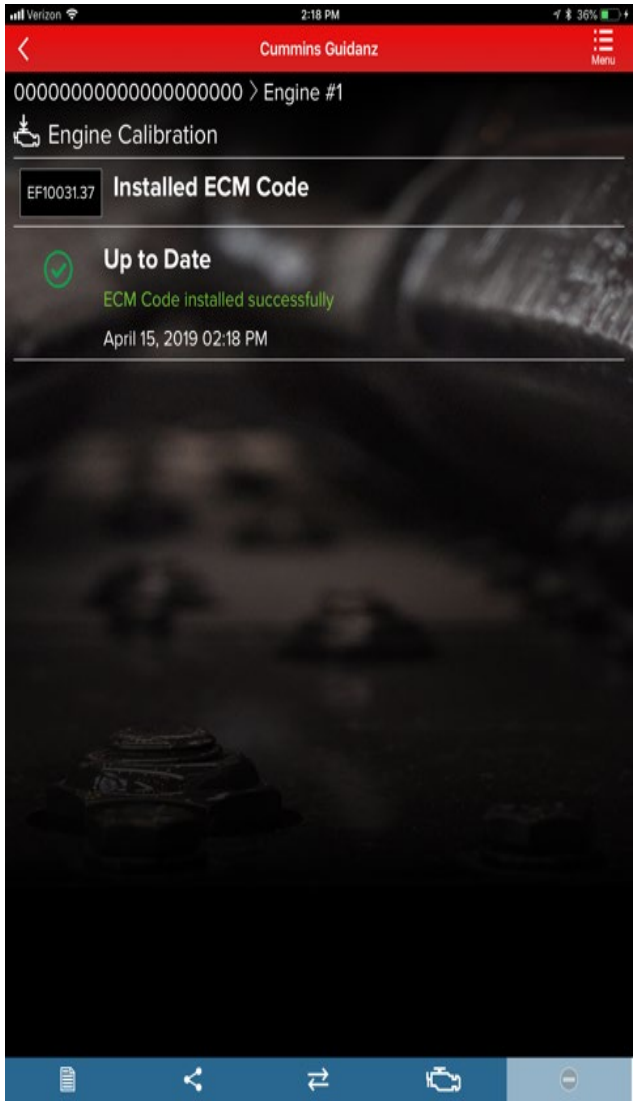




After the timer reaches 0, the user is prompted to key back on, at which time the app is reconnecting to the ECM.

Public

Calibration Installation Success



The app will inform the user whether the installation was successful.

Public

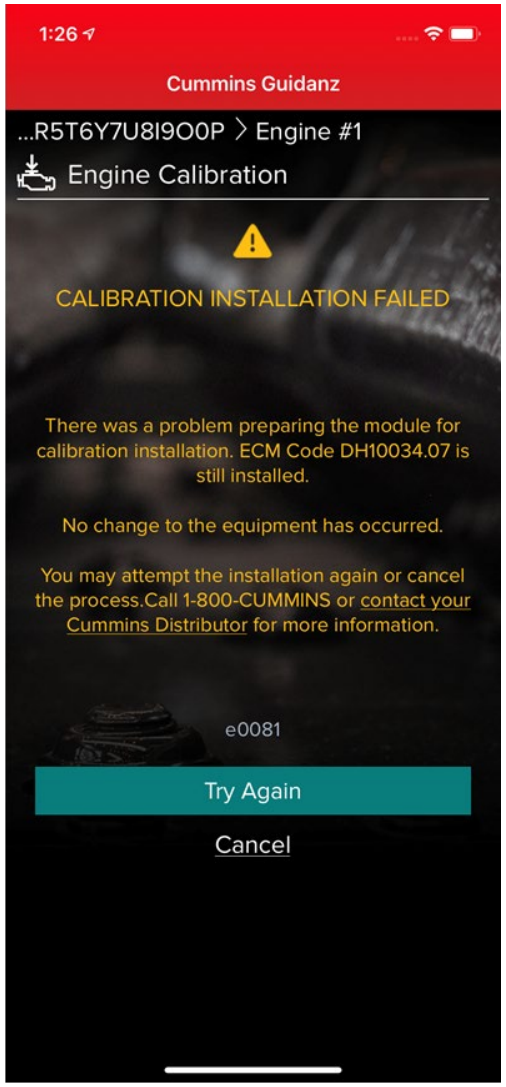
Calibration Recovery Process

Prerequisites:

- Calibration Recovery only works for ESNs that are in no parts campaign(s).
- Calibration Recovery only works when using the same device that was used for original calibration download.
- No fleet counts are required for Calibration Recovery.

Public

Calibration Recovery Process

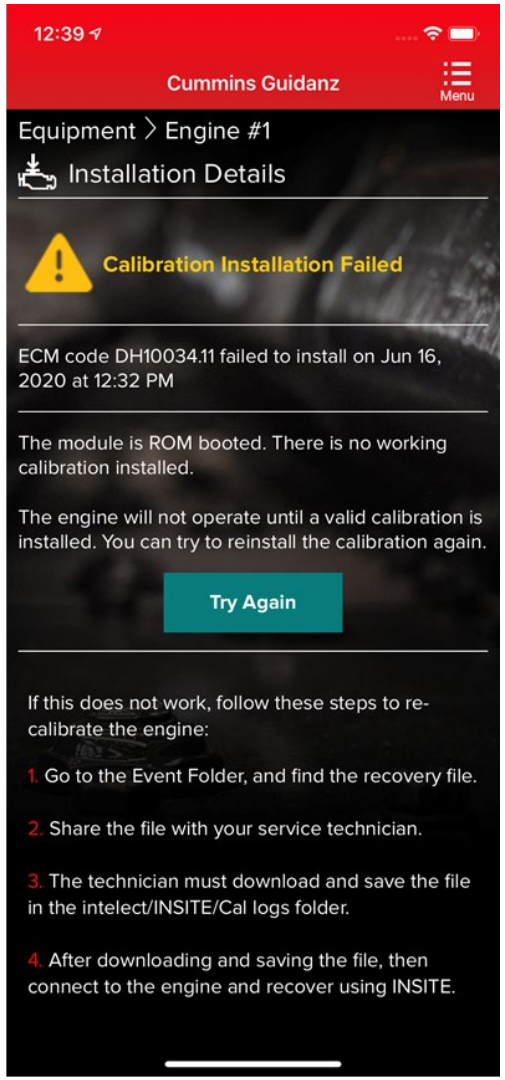


If there is a loss of communication in Step 1 of 4 of calibration installation, the app will inform the user that the download failed with the option to Try Again. After re-establishing the connection and clicking on Try Again, the calibration download will start again.

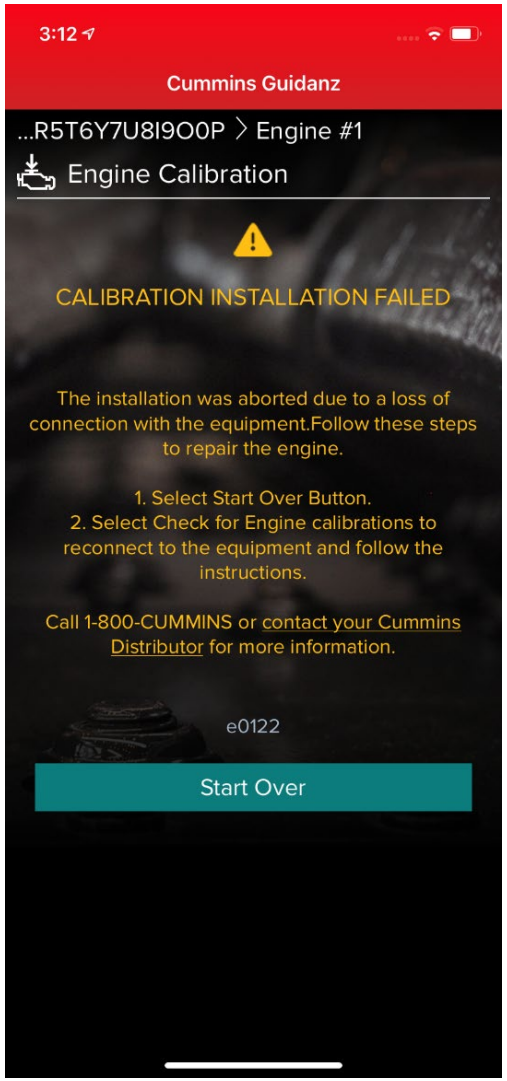
Public

Calibration Recovery Process

Snapshot 1



Snapshot 2



If there is a cal download failure in Step 2 of 4 without any loss of communication, the app will inform of the failure status of the module with the option to Try Again.

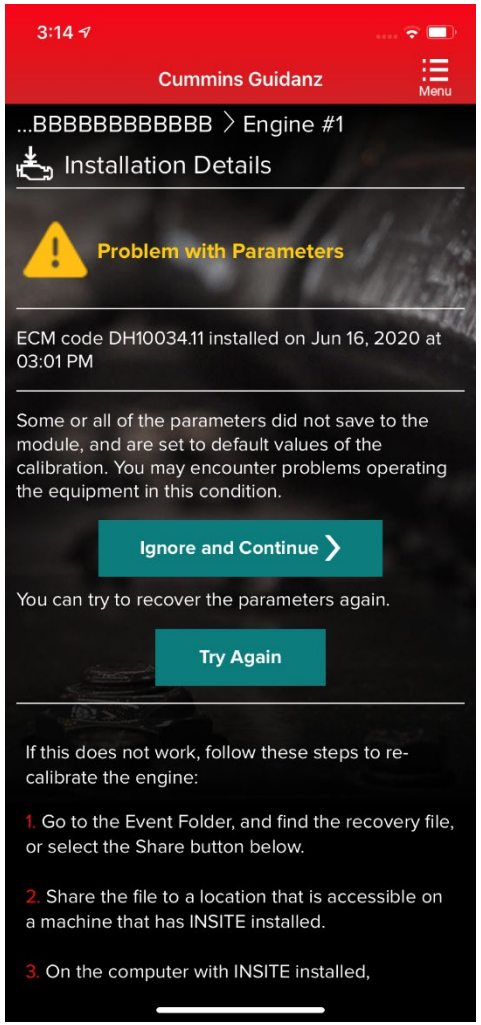
If there is a loss of communication in Step 2 of 4, the app will inform the user that the download failed with the option to Start Over (Snapshot 2). After reconnecting, you will see Snapshot 1.

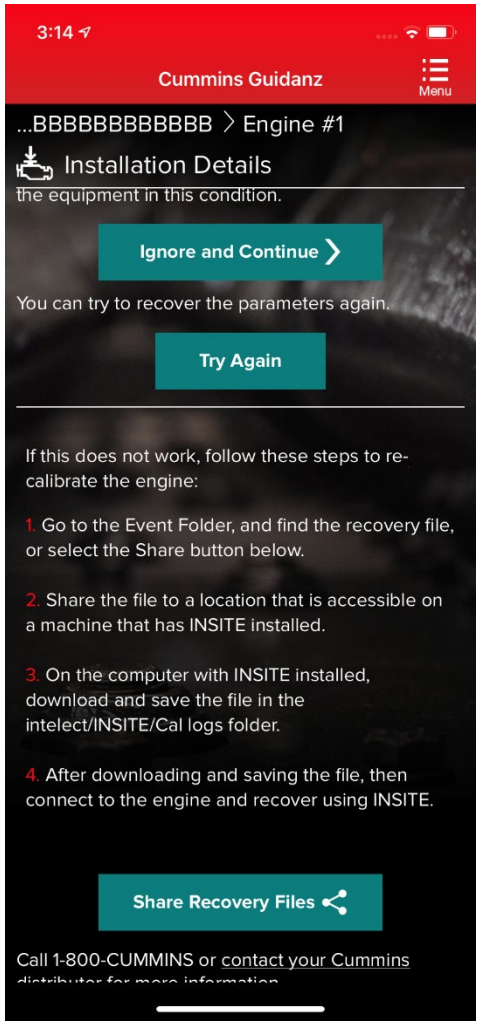
At this point, in both cases, the module is ROM booted.

Public

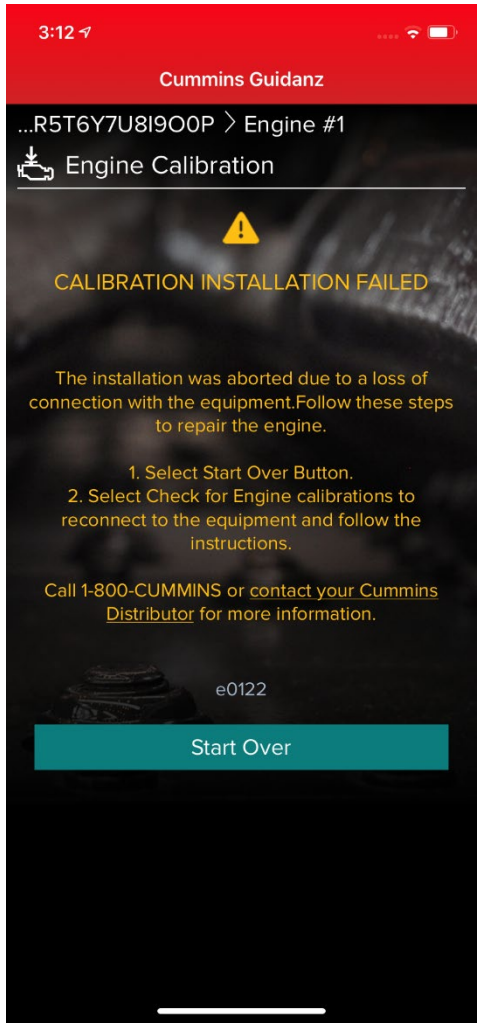
Calibration Recovery Process

Snapshot 1





Snapshot 2



If there is a cal download failure in Step 3 of 4 or Step 4 of 4 without any loss of communication, the app will inform of the failure status of the module with the option to Ignore and Continue or Try Again.

If there is a loss of communication in Step 3 of 4 or Step 4 of 4, the app will inform the user that the installation failed with the option to Start Over (Snapshot 2). After reconnecting, you will see Snapshot 1.

If the cal recovery does not work, the user can chose to Share the Recovery Files and use INSITE to recover.

At this point, in both cases, the module is up-to-date but few parameters failed to restore.

Public

Calibration Recovery Process with INSITE

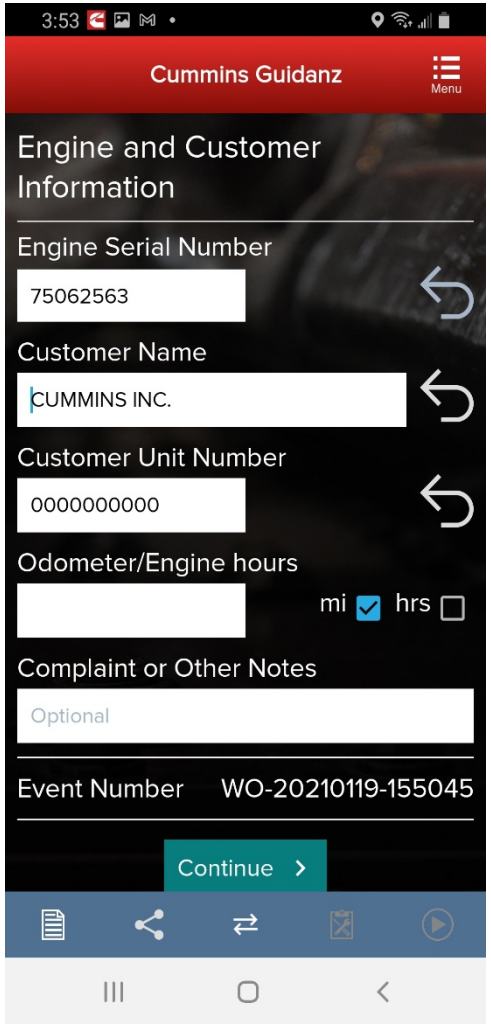
If any of above prerequisites for calibration recovery process is not met, user has to use INSITE to try to recover a rom-booted ECM.

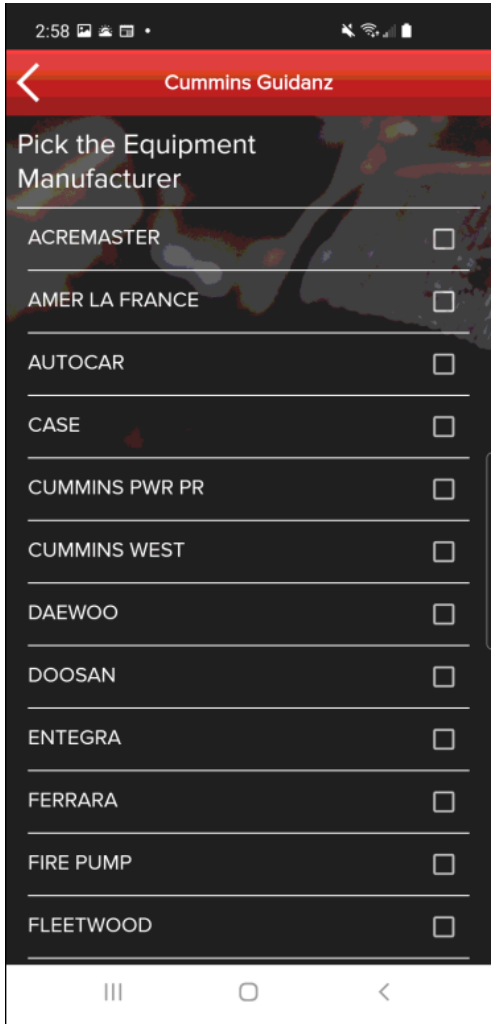
In Guidanz Mobile app, go to the event folder and find the trim recovery file (ending in .trm). Share the file with a user who has INSITE installed on his computer and the required INSITE subscription.

Save the trim recovery file in the C:\Intelect\INSITE\Cal Logs folder. Connect to the rom-booted ECM and download the same calibration as in the app while using the trim recovery file. A fleetcount will be required.

Public

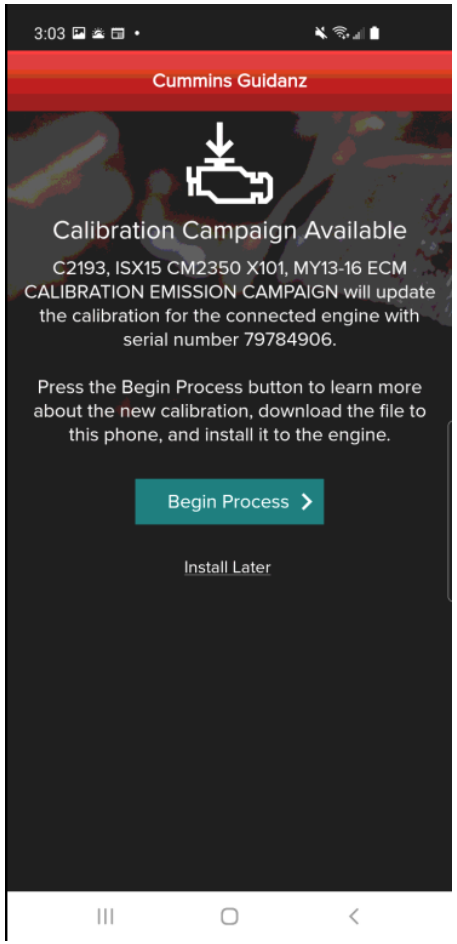
Analyze Equipment





- When selecting Analyze Equipment the app pulls up Engine Serial Number, and Customer Name from ECM, and the user can edit them if they are incorrect. The user can also enter Customer Unit Number and Odometer/Engine hours and Complaint or Other Notes.
- The user is taken directly to the Equipment Dashboard
- Faults will be displayed in a prioritized order
  - Does not apply to multiple ECM engines
- An event folder will be created. The Event Number is being displayed.

Engine Serial Number (ESN) Eligibility Check



The app will notify the user of the availability of a calibration campaign.

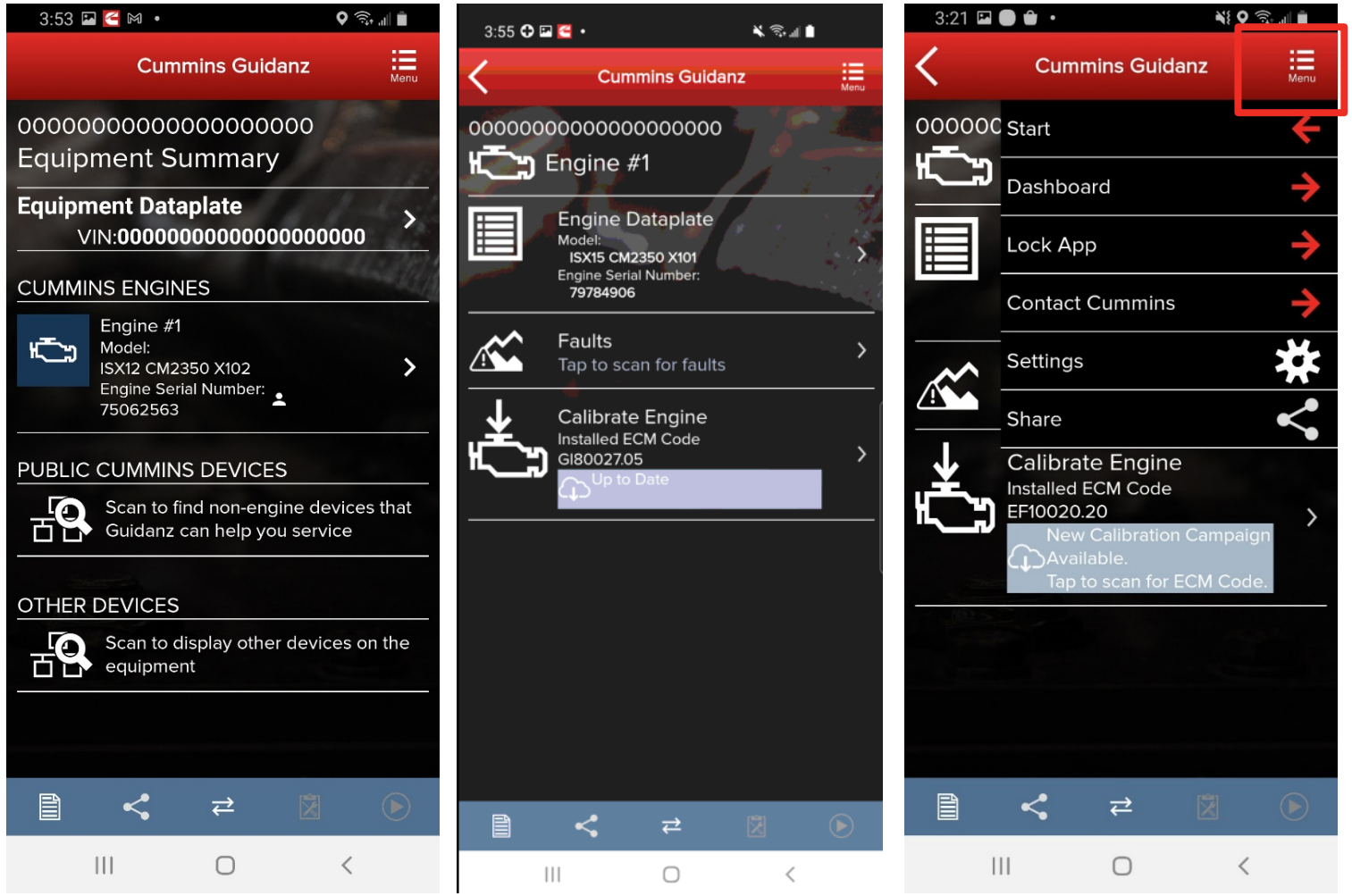
Every time a user connects to an ECM, if a calibration campaign is found a notification of Calibration Campaign Availability will be displayed if the ESN is in campaign.

If user clicks on Begin Process the app will take the user to the Calibration Download process.

If the Engine Serial Number in the ECM is not part of a calibration campaign, there will not be a notification.

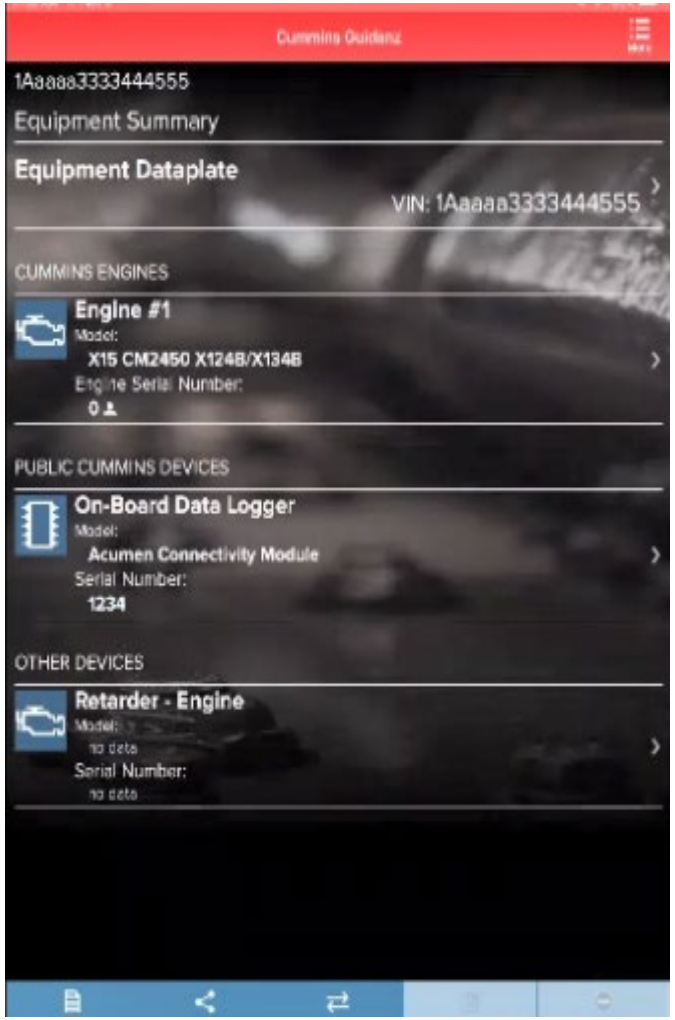
If the user wishes to participate in cal campaign field test, please contact CumminsFieldTest@cummins.com.

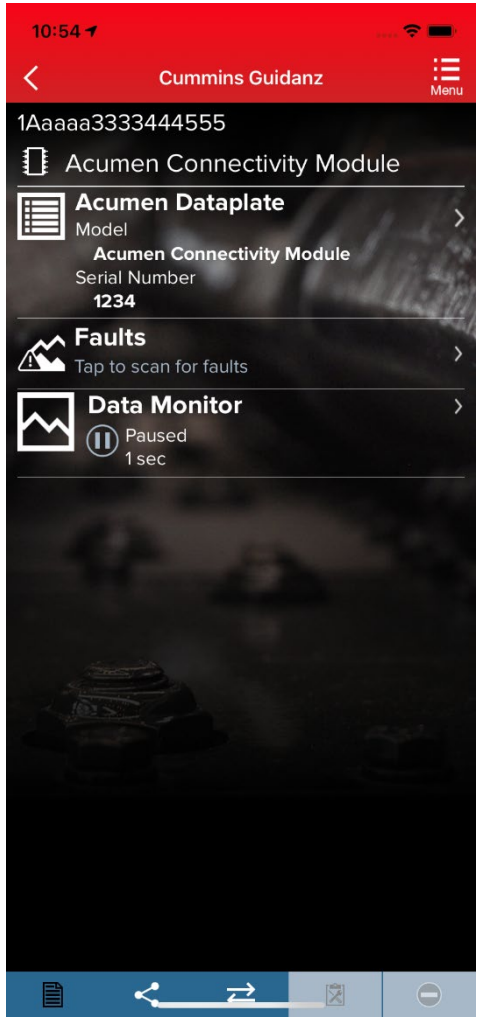
Equipment Dashboard (Equipment Summary Screen)



- The equipment summary screen will show in different sections (if available):
  - Equipment Dataplate
  - Cummins Engines
    - Engine #1
  - Public Cummins Devices,
    - Route Parameter Manager
    - Acumen On-Board Data Logger
    - Smart Devices, etc.
  - Other Devices
    - Transmission
    - Brake Controller, etc.
- A yellow indicator will show unsupported devices (e.g. Rombooted devices)
- User can also get to the Equipment Dashboard by selecting Dashboard in the Menu button

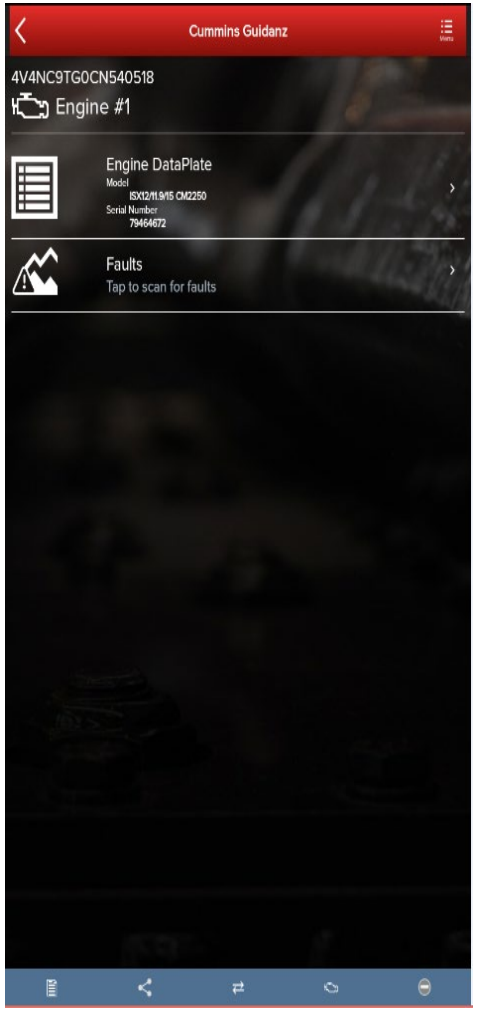
Acumen On-Board Data Logger

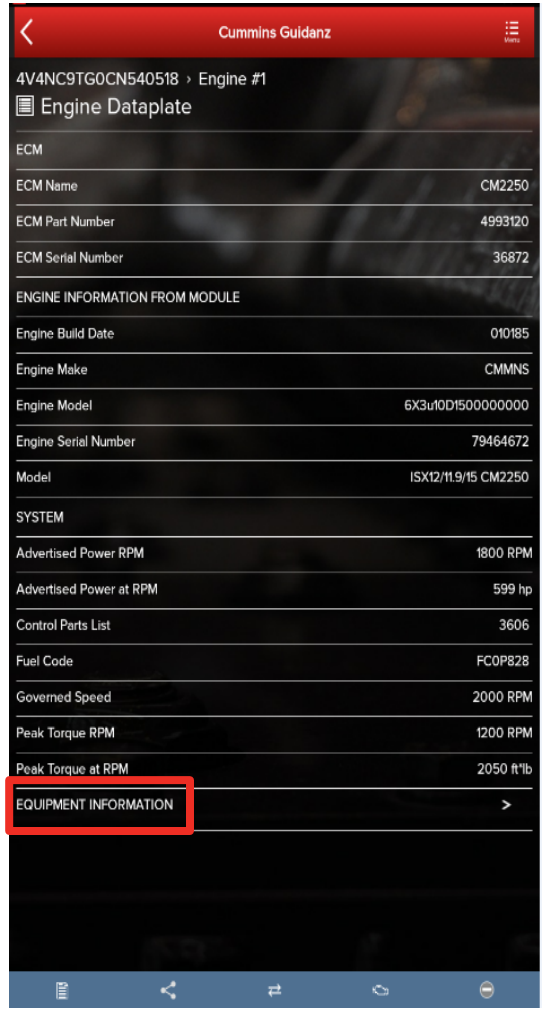




- The ACUMEN On-Board data logger device is supported and allows user detect and display fault and data plate details, and to monitor data.

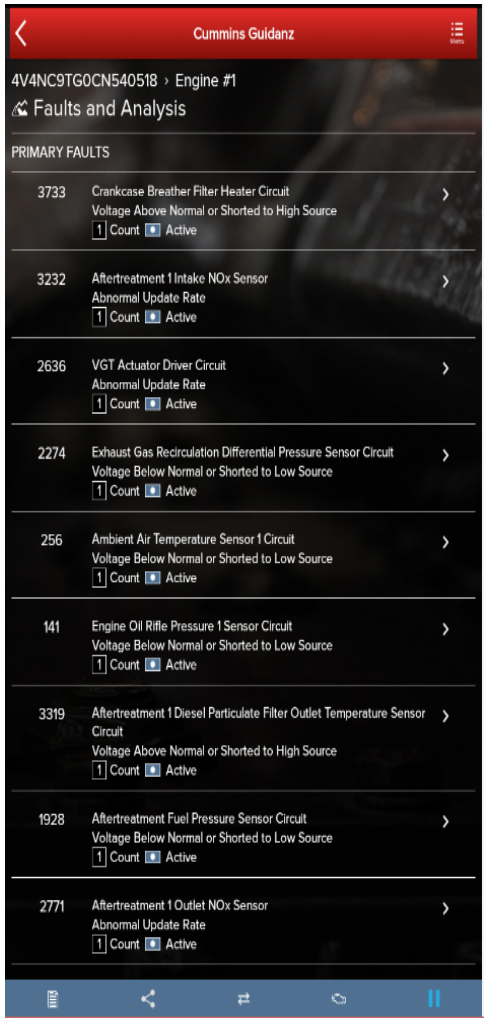
Equipment Dataplate

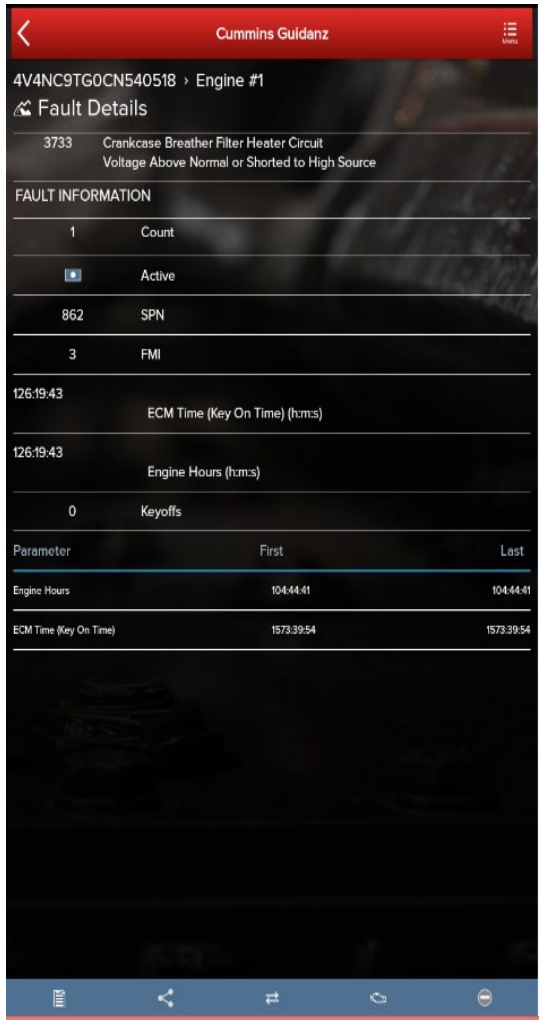




- Equipment Dataplate can be accessed via the ECM Device Dashboard and Engine Dataplate
- It contains the information the user enters such as customer name, manufacturer, model, etc., as well as other information

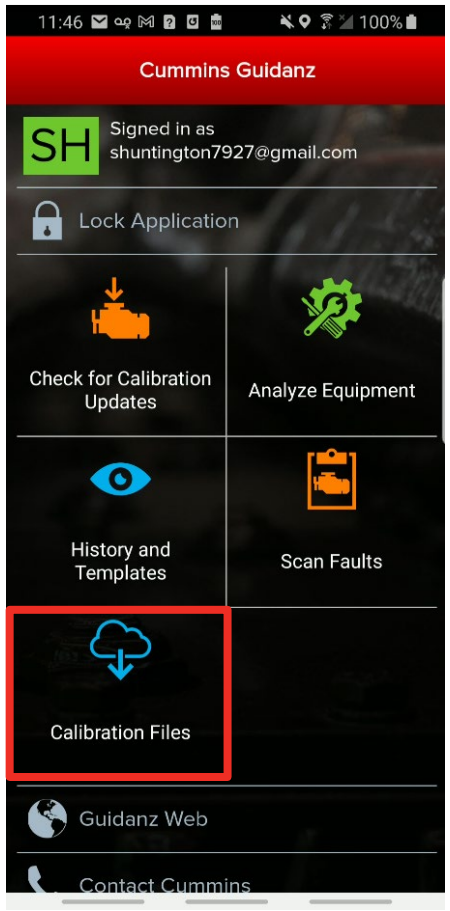
ECM Fault Screens

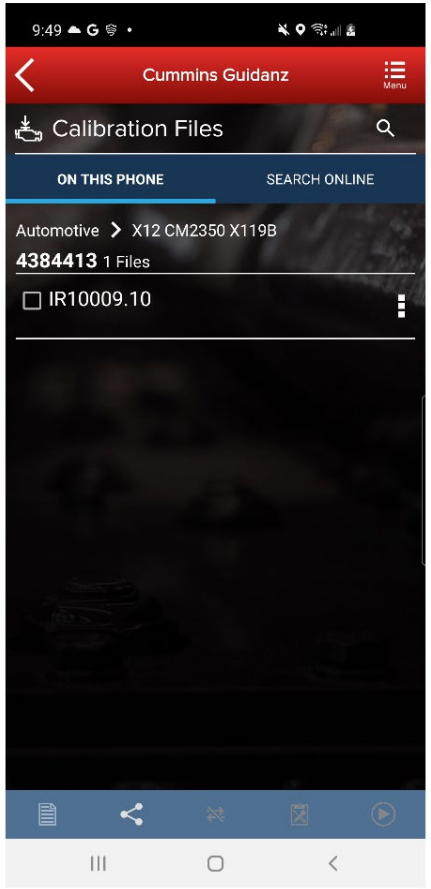




- Clicking on Faults in the ECM Device Dashboard displays the Faults and Analysis screen
- Clicking on an individual Cummins fault code displays the Fault Details

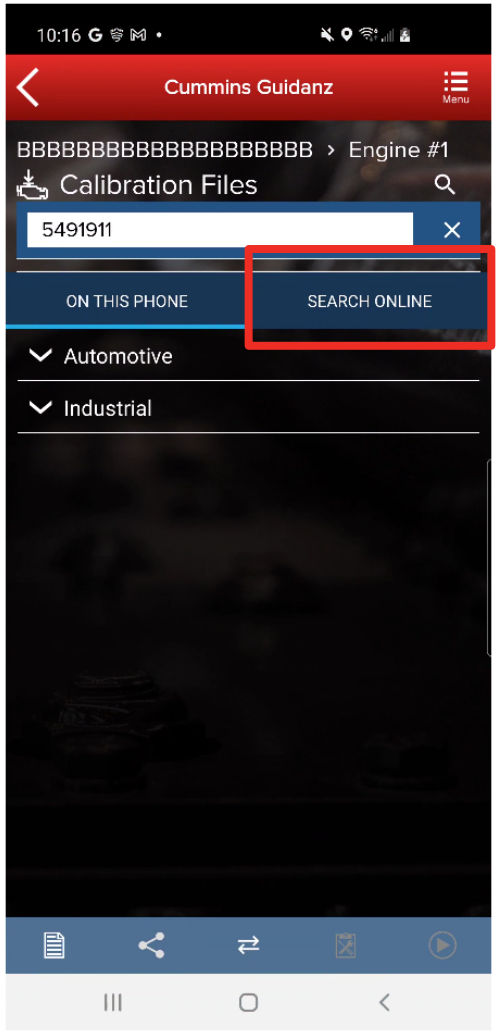
Calibration Files – Viewing calibrations on the device

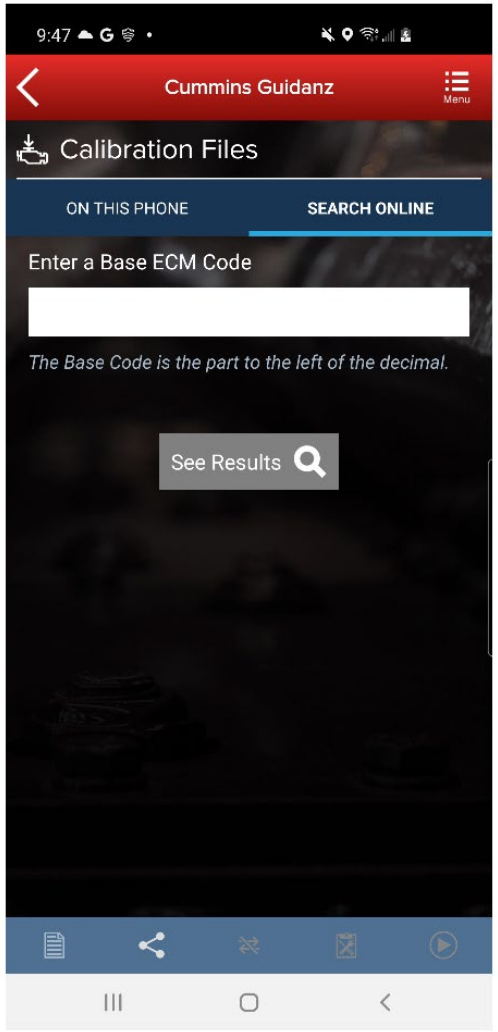


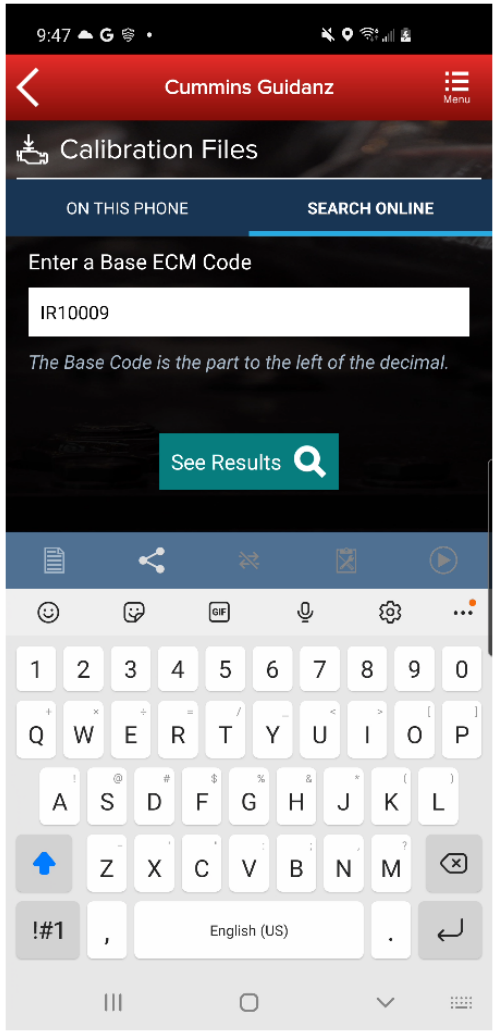


- Selecting "Calibration Files" will allow the user to view calibrations that have been downloaded to the device.

Calibration Files - Search

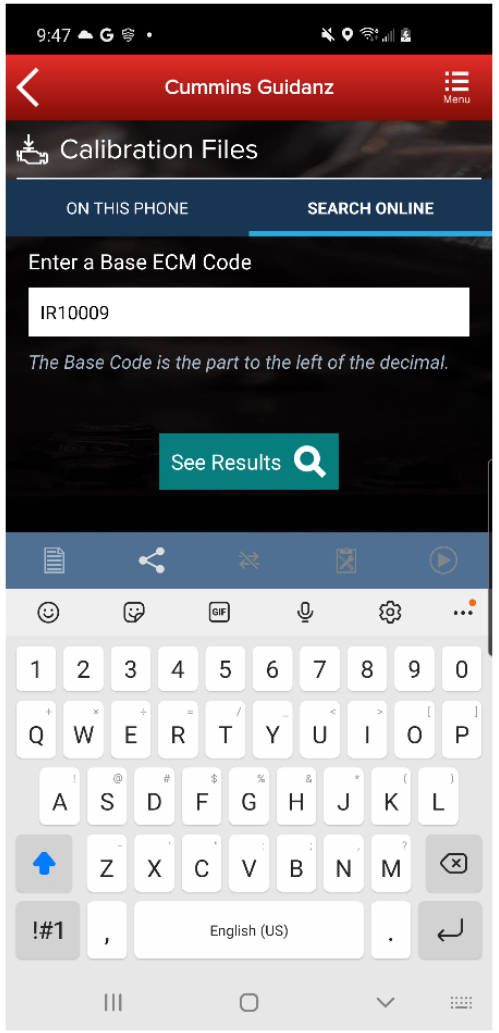


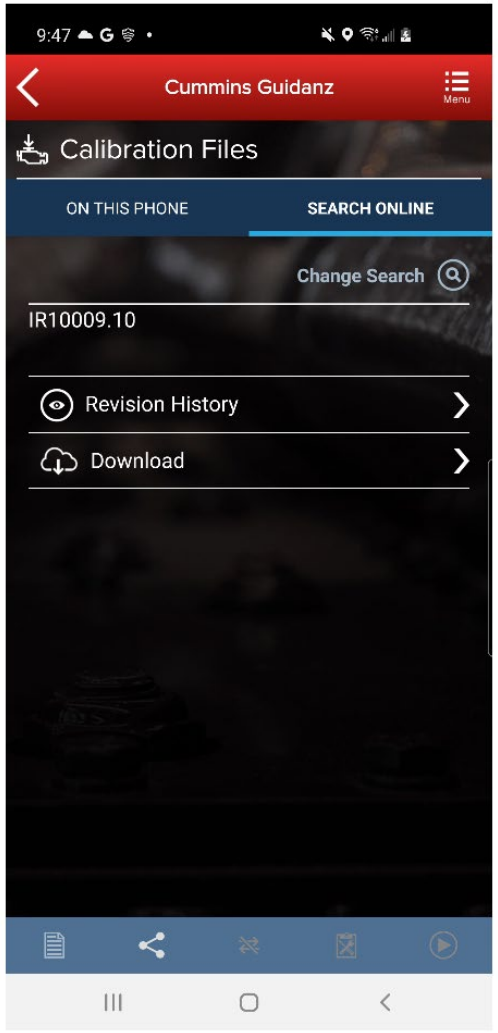




Selecting “Search Online” will allow the user to enter a base calibration, search for the latest revision.

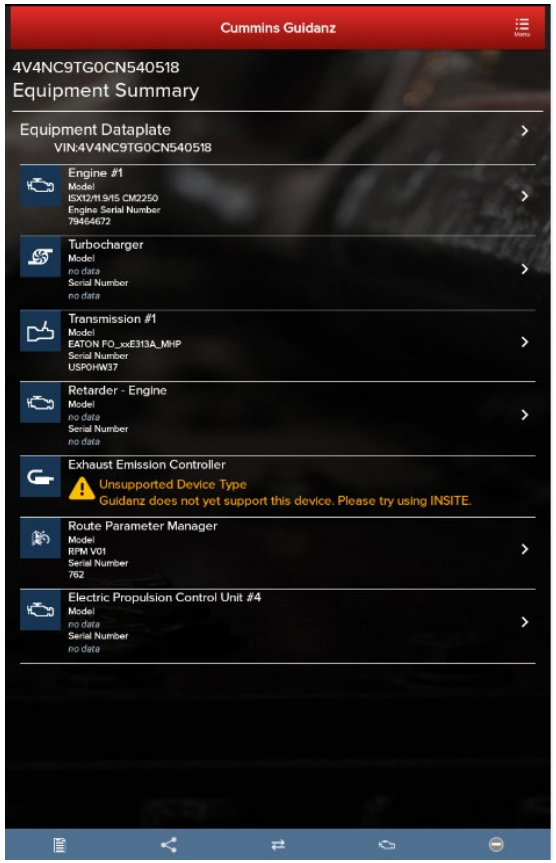
Calibration Files – Download to device





- After searching, users have the option to view the revision history, or download the calibration to their device.

Device Dashboard

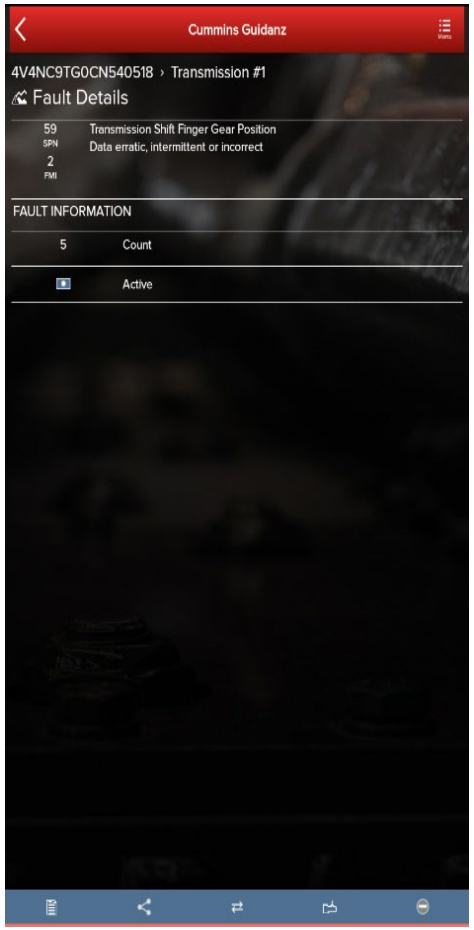


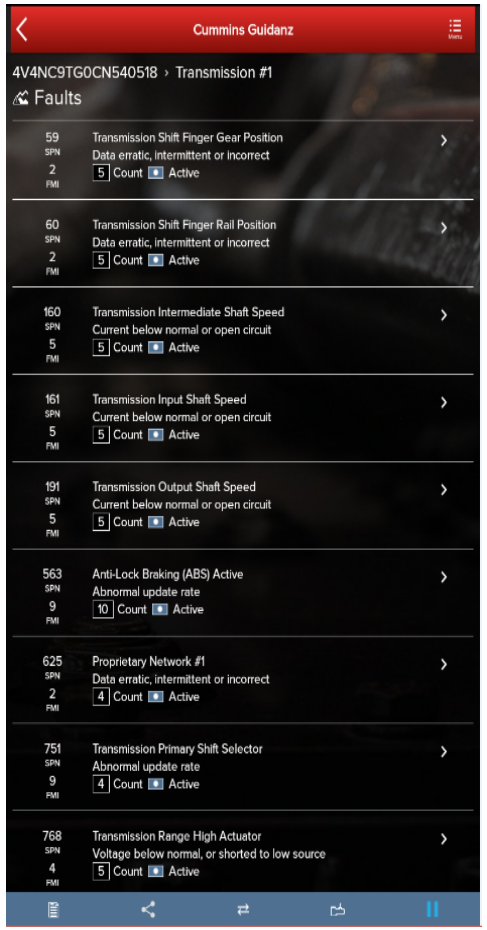
Core II ECM - Device Dashboard
Currently only “Engine Dataplate” and “Faults” functionality is available

RPM - Device Dashboard

- Clicking on a device on the equipment dashboard displays the device dashboard
- The device dashboard screen shows all the functionality that is available for that device

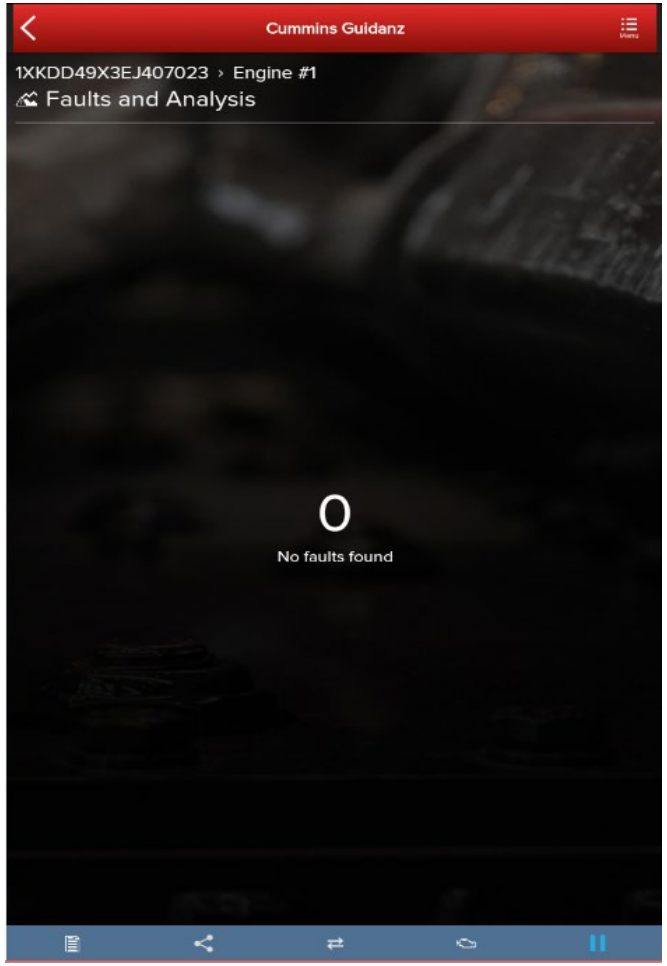
J1939 Device Dashboard and Faults

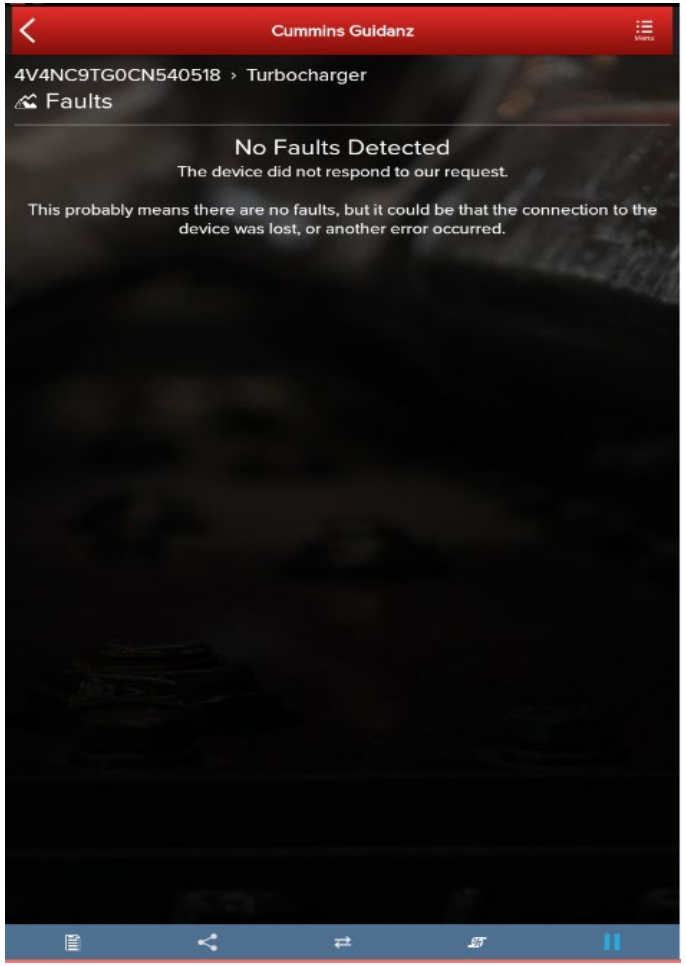




- Clicking on a J1939 device on the equipment dashboard displays the J1939 device dashboard
- The device dashboard for J1939 devices allows you to view the faults and fault details.

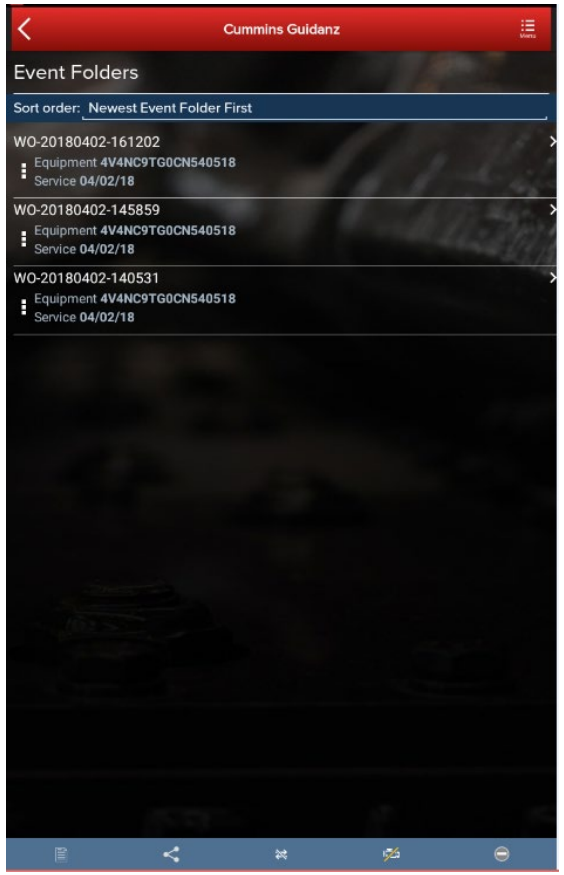
ECM and J1939 Zero Faults

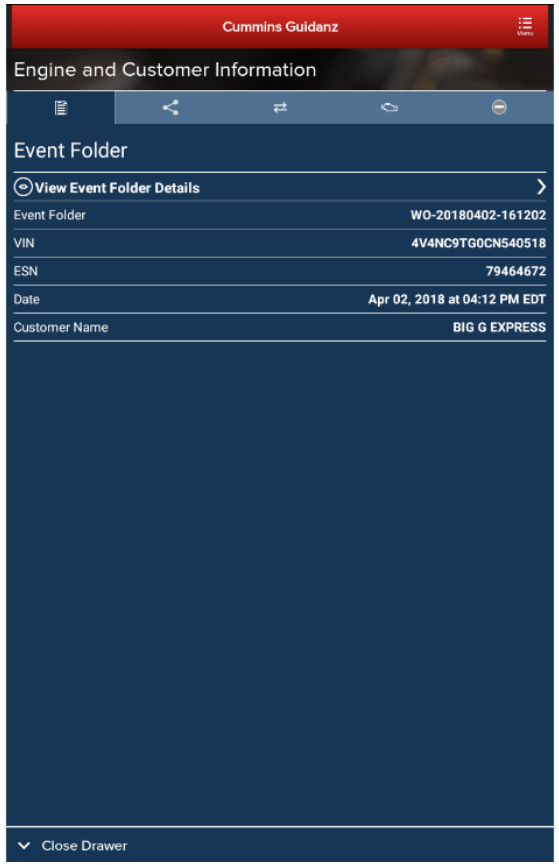




- ECM will display 0 No faults found if no faults are detected.
- J1939 devices will display No Faults Detected if no faults can be found.

History and Templates (Event) Folder



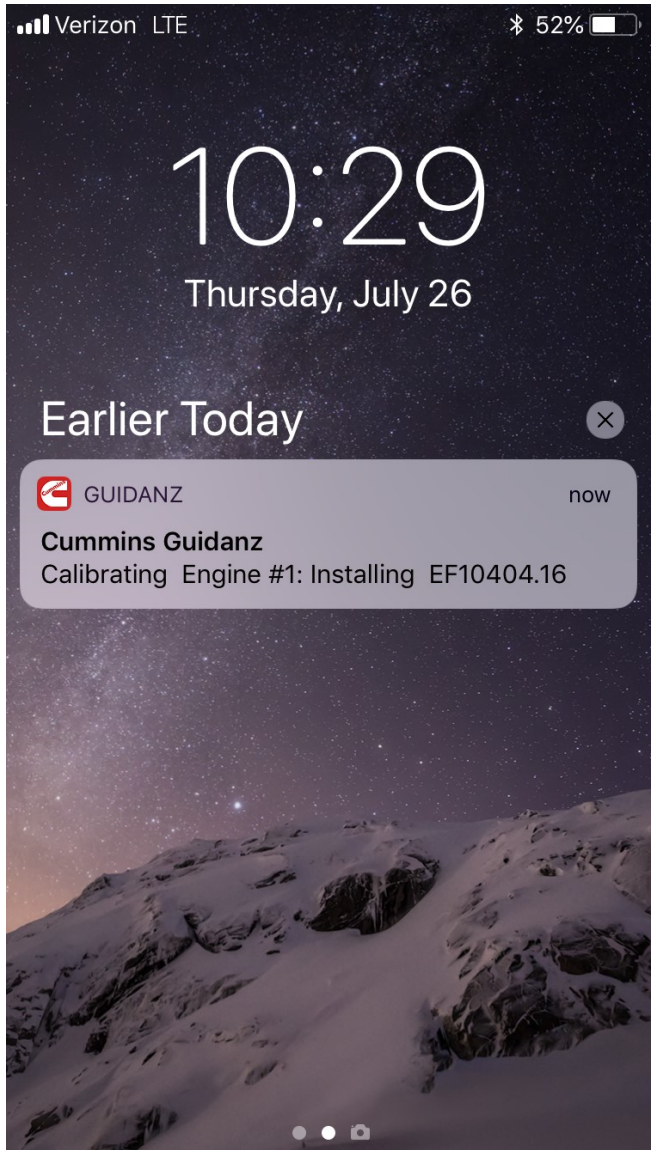


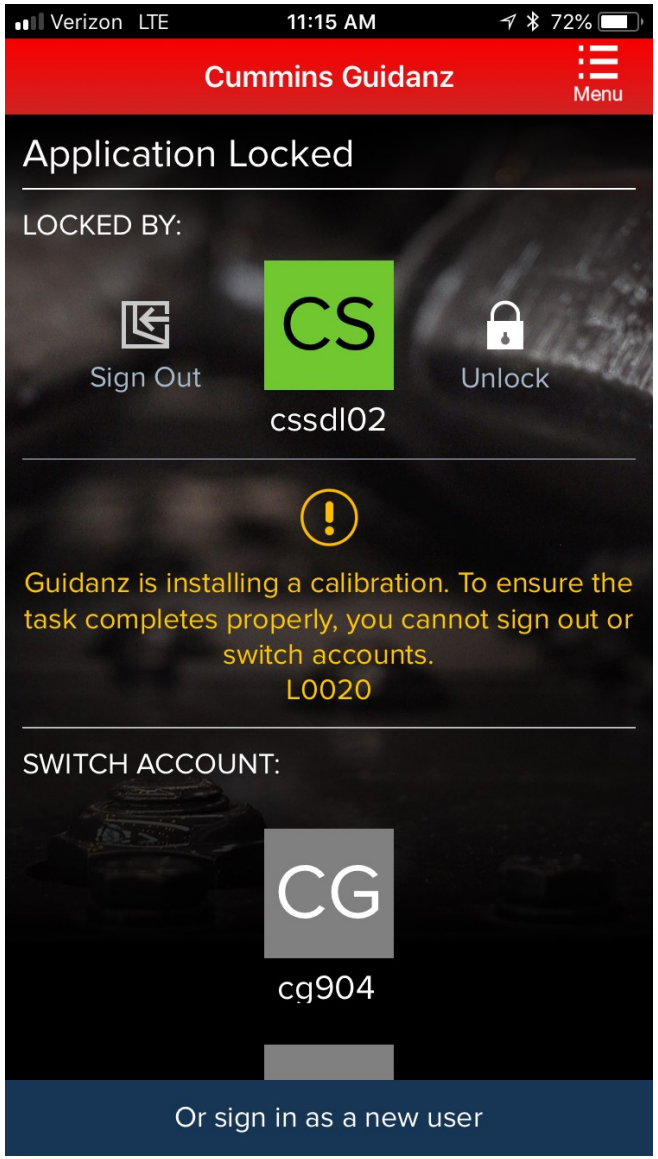
Event Folders can be viewed by clicking on History and Templates in the Start screen

Event Folder Details can be viewed by

- clicking on an event in the Event Folders screen
- clicking on the bottom left icon on the chyron

Device notifications





If the user gets locked out during the calibration download, both the device and the app will inform the user of the calibration installation through background notification.

Public

Immediate Assessment – IAM Subscription

Immediate Assessment

- When a truck pulls up to a shop, the service writer pulls up the faults and estimate how long the service will take
- Based on the estimated time to service, the truck gets directed to the appropriate service bay

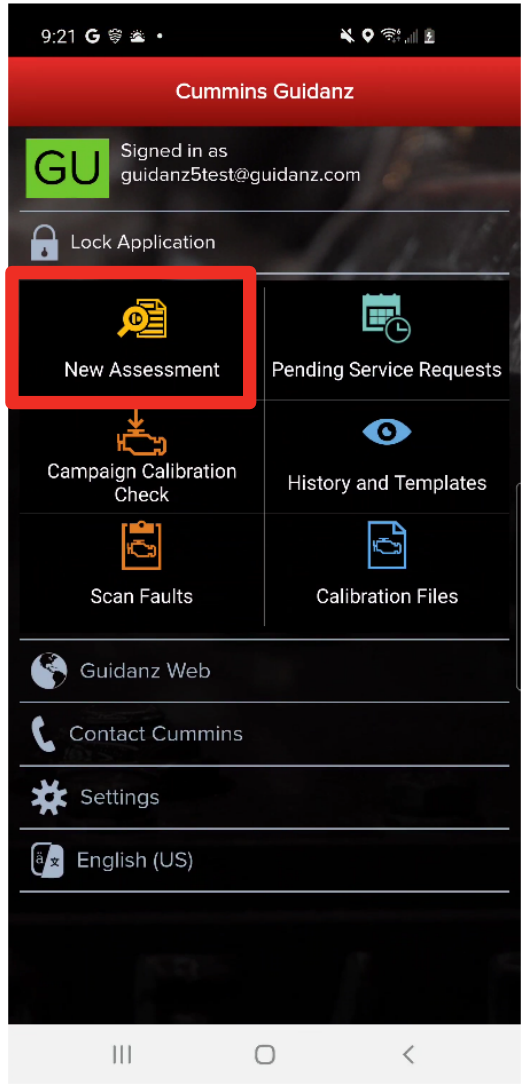
Immediate Assessment Service

Old process

1. The customer is met in the lot by the Service Writer
2. The SW plugs in a datalink adapter and uses a smart phone app (Fault Advisor App) to get public(SPN/FMI) fault code information from the ECM
3. QSOL is used to convert the SPN/FMI info into a Cummins fault code
4. QSOL FCA is used to prioritize the faults
5. The prioritized faults and engine make/model are plugged into a spreadsheet that predicted the Average Repair Time and Root Causes by percentage

With the Guidanz App, this process can be done within a few minutes. In addition, a Guidanz web (CSS) job can be created using Immediate Assessment Results to reduce intake on Guidanz web.

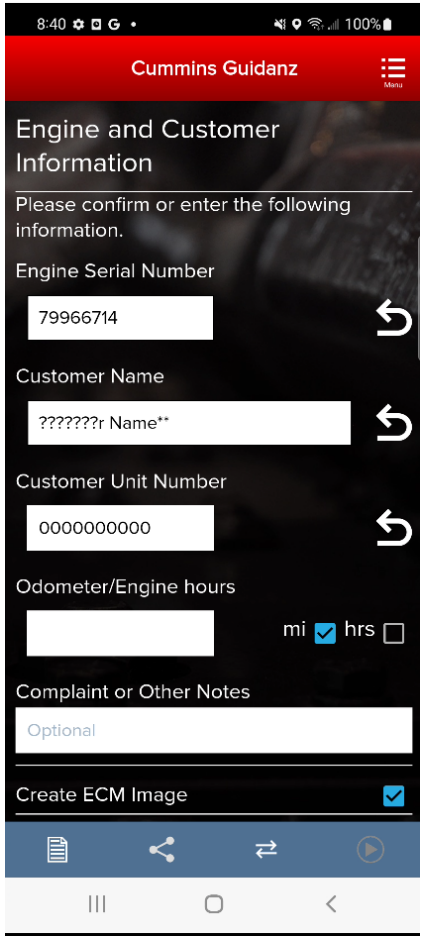
Home Page

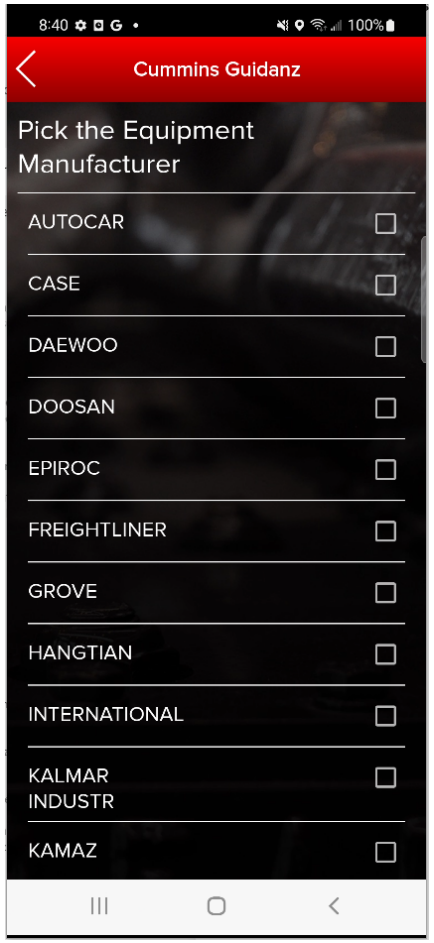


- **Subscribed User Functionality**

  - Prioritized Cummins fault codes, descriptions, and the top three most likely root causes
  - Estimated service times
  - Ability to update Guidanz Web Appointments
  - Enter ESN and customer information
  - Select manufacturer and model
  - Equipment and device data plate information
  - Create, View, Resume, Delete Events
  - RPM module support
  - Create a Guidanz Web Job
  - J1939 Device Fault
  - Campaign Calibration installation capability
  - "Scan Fault" which is a focused function that can be used to just read the faults from the engine without any fault prioritization.
  - The ability to share any information in the app via email
  - French, Spanish, Simplified Chinese language support

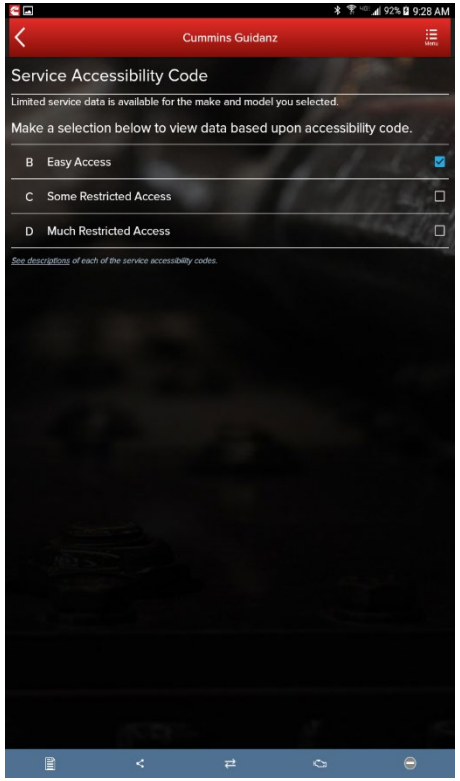
Immediate Assessment Input

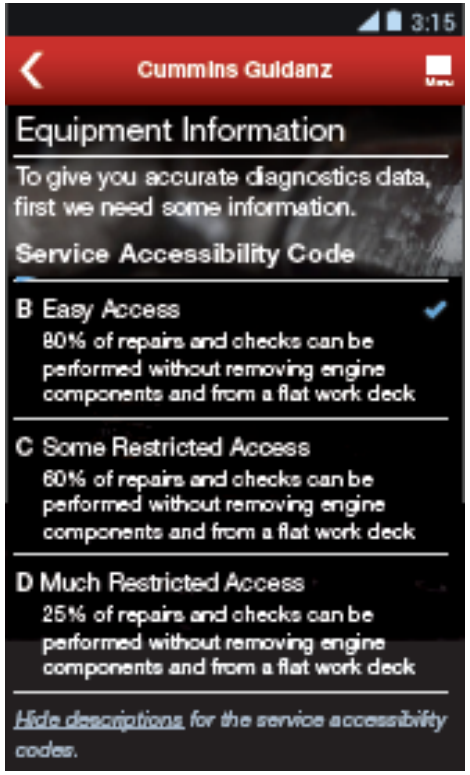




- When clicking on New Assessment, user connects the adapter to the truck and pairs to the adapter via the app
- The app pulls up Engine Serial Number, and Customer Name from ECM, and the user can edit them if they are incorrect
- Based on the confirmed ESN, the equipment make and model list is retrieved from the server.
- App pre-selects the data received from warranty data on the server and from the ECM if available, but the user has to make a selection.
- If there is no manufacturer list, it can be caused by:
  - No data based on the ESN provided
  - No Internet
  - Server issue

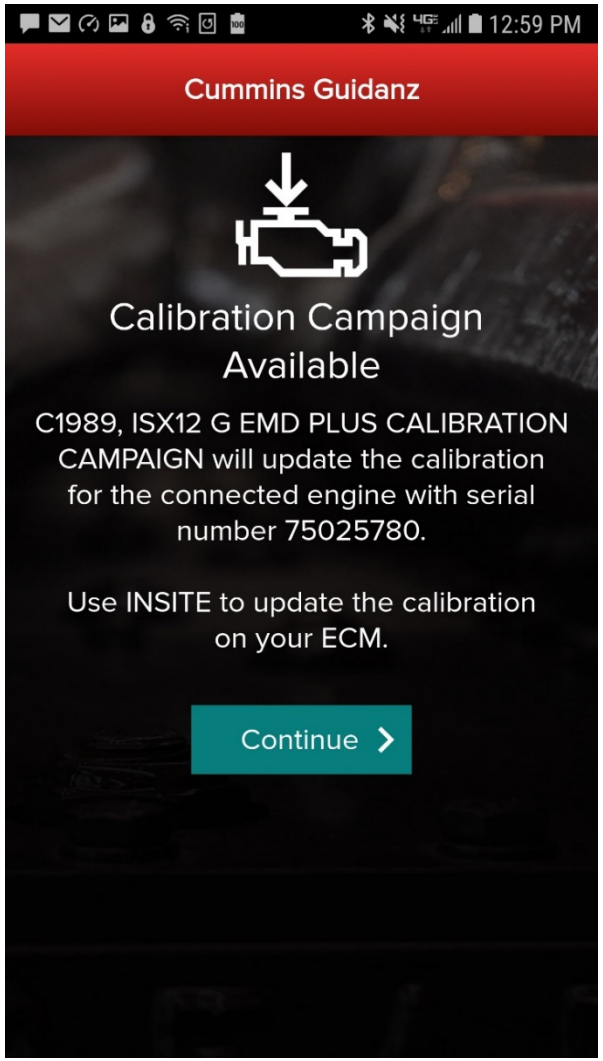
Immediate Assessment Input (continued)





- If the user selects ‘Other Manufacturer’, the app prompts the user for the accessibility code
- The results are more accurate with manufacturer and model than with accessibility code

Engine Serial Number (ESN) Eligibility Check



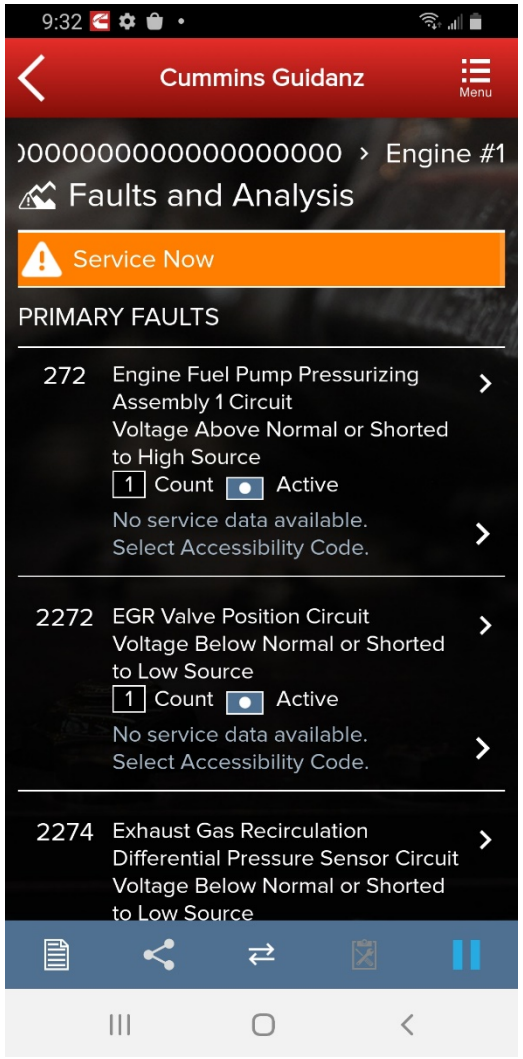
The app will notify the user of the availability of a calibration campaign.

Every time a user connects to an ECM, if a calibration campaign is found a notification of Calibration Campaign Availability will be displayed if the ESN is in campaign.

If user clicks on Continue, the app will take the user to the Equipment Dashboard.

If the Engine Serial Number in the ECM is not part of a calibration campaign, there will not be a notification.

ECM Fault Screens - Severity

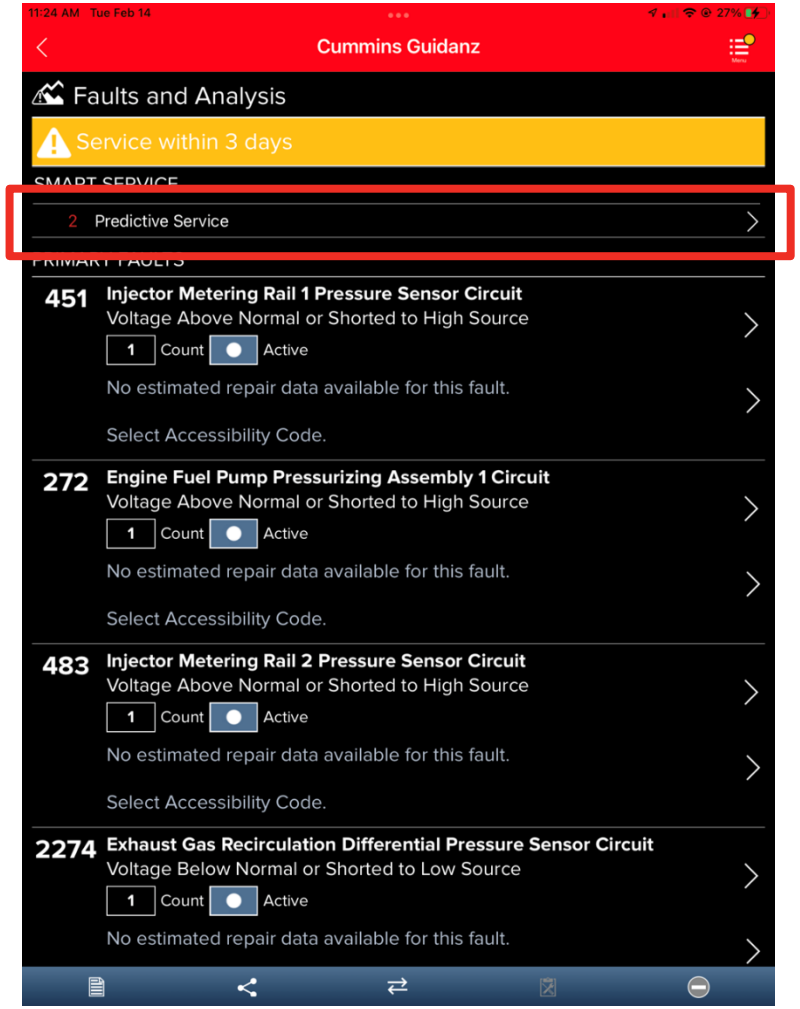


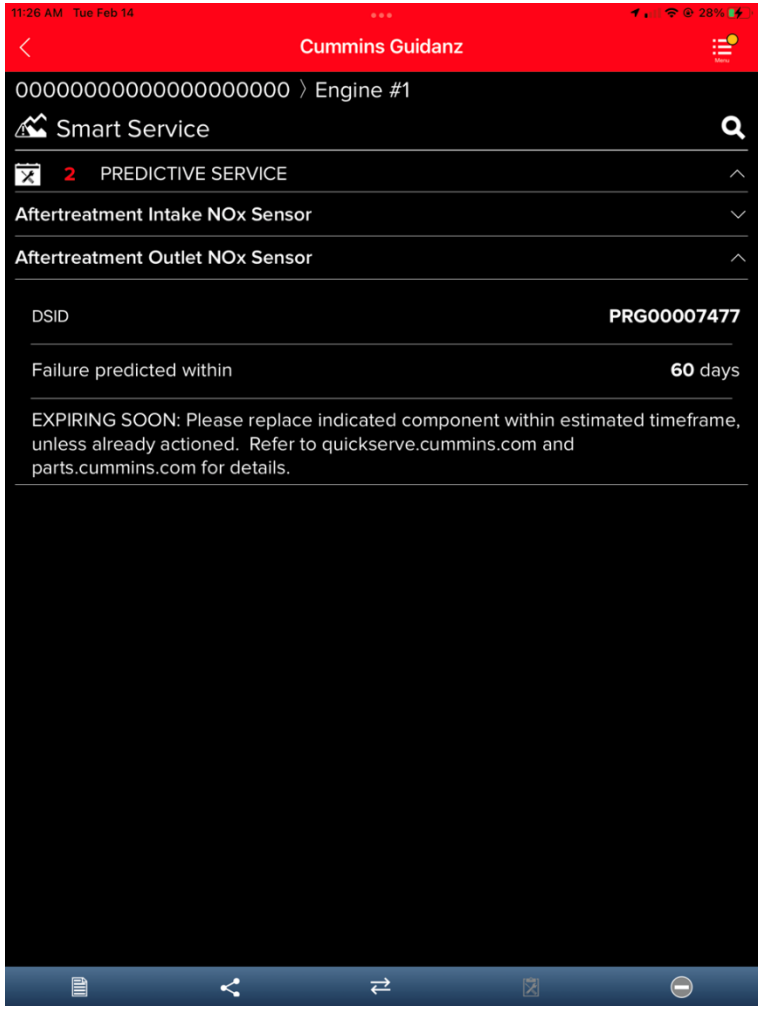
- The app displays the severity to show the current condition of the engine based on below color codes:

Each severity is displayed with a specific strip color and icon.

Severity	Icon	Strip color	Message
Stop Now	Stop Now	Red	Stop Now
Service Now	Service Now	Amber	Service Now
Service Soon	Service Soon	Yellow	Service Soon
Information	Information	Bright Blue	Information

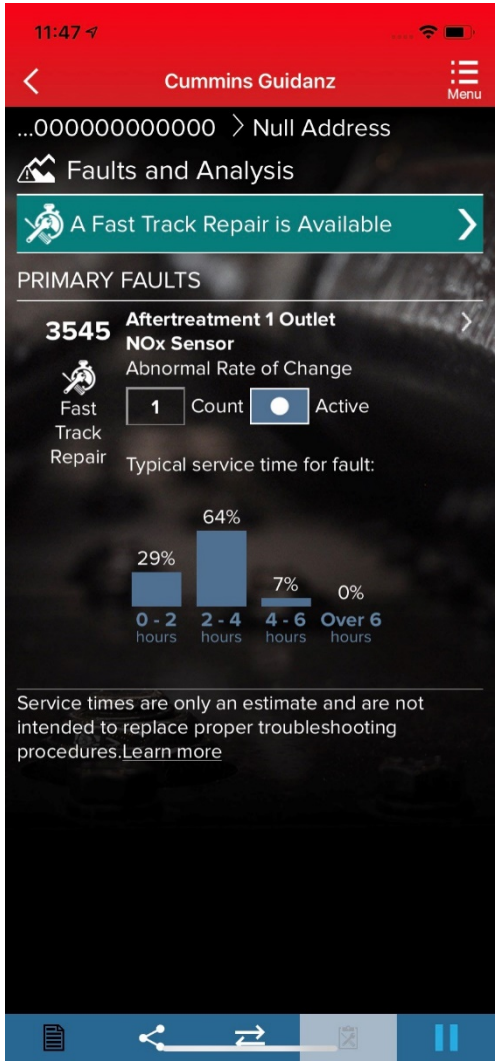
ECM Fault Screens - Prognostics

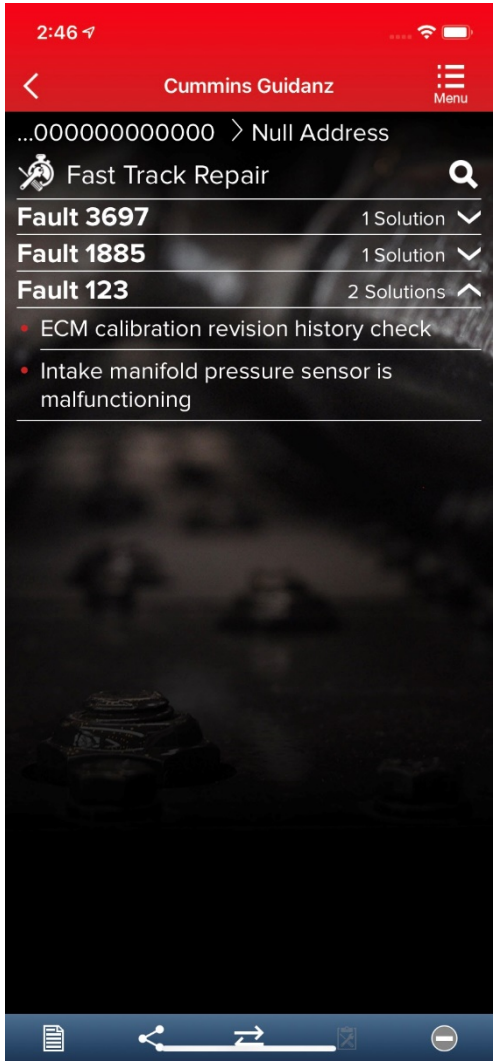




- Prognostic Faults give users the ability to see faults before they occur, resulting in lower unplanned downtime.

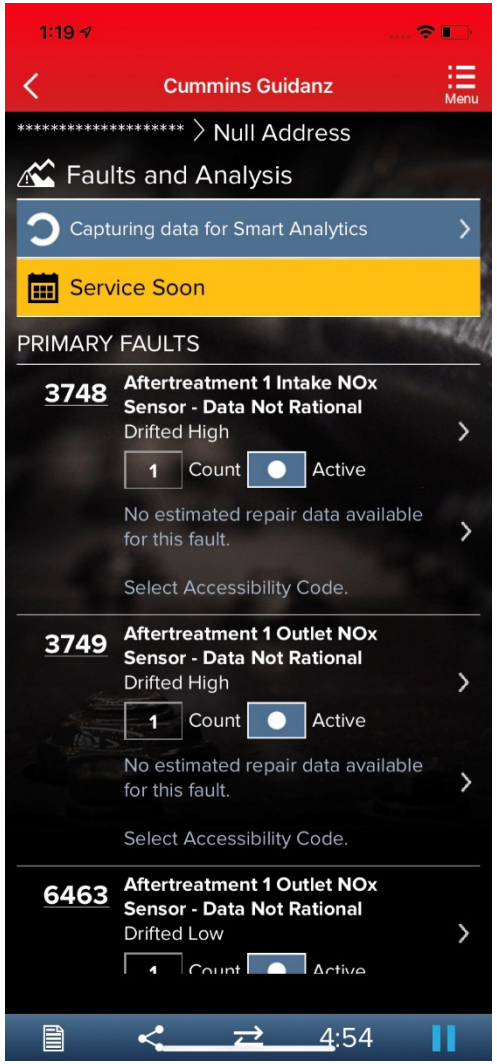
ECM Fault Screens – Fast Track Repair Notification

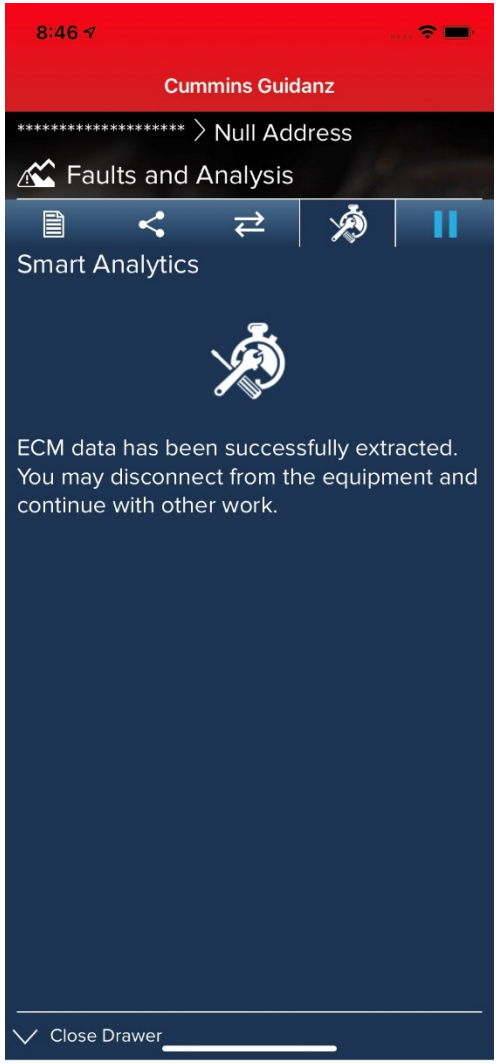


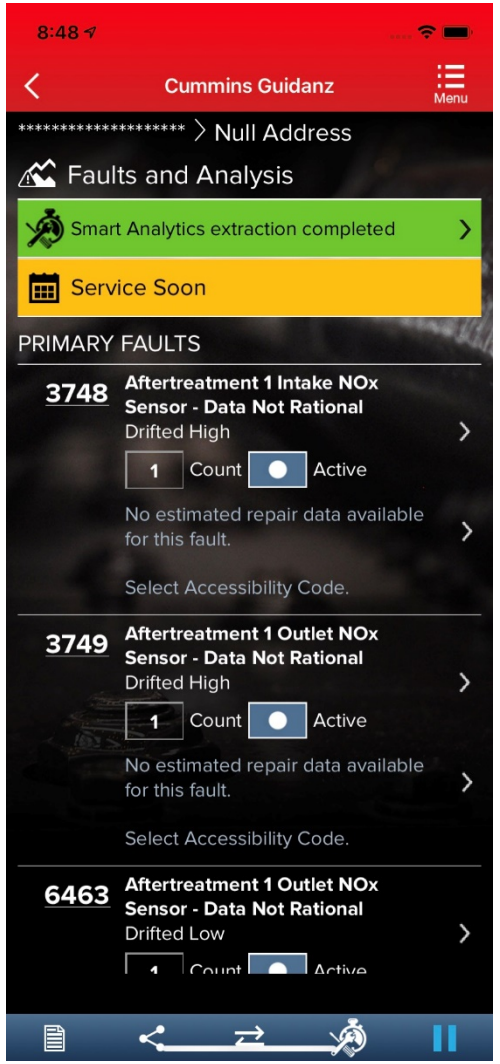


- Only if an engine has a fault code which is part of **Fast Track Repair** (formerly known as Analytic Based Repair), user will be notified that there is a Fast Track Repair available for the associated fault code. User will see the associated solution(s).

ECM Fault Screens – Optimized Diagnostics (formerly ADBR)

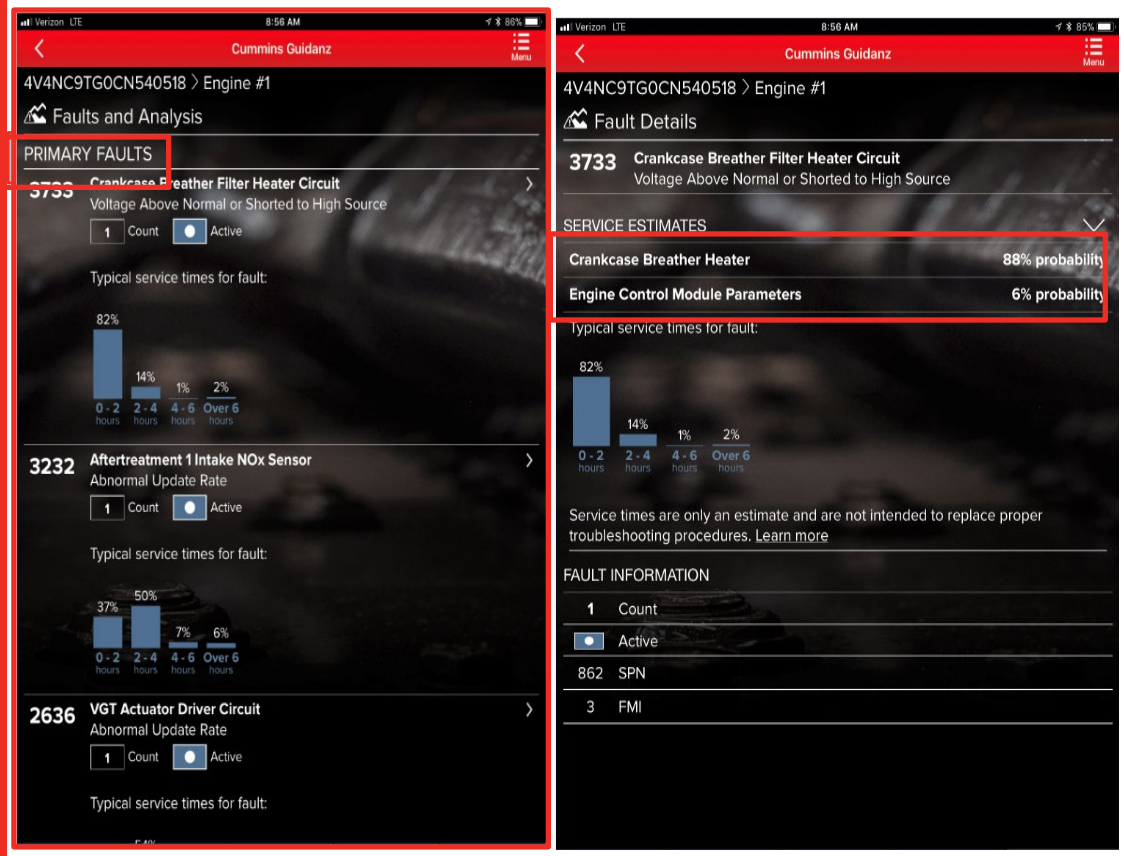






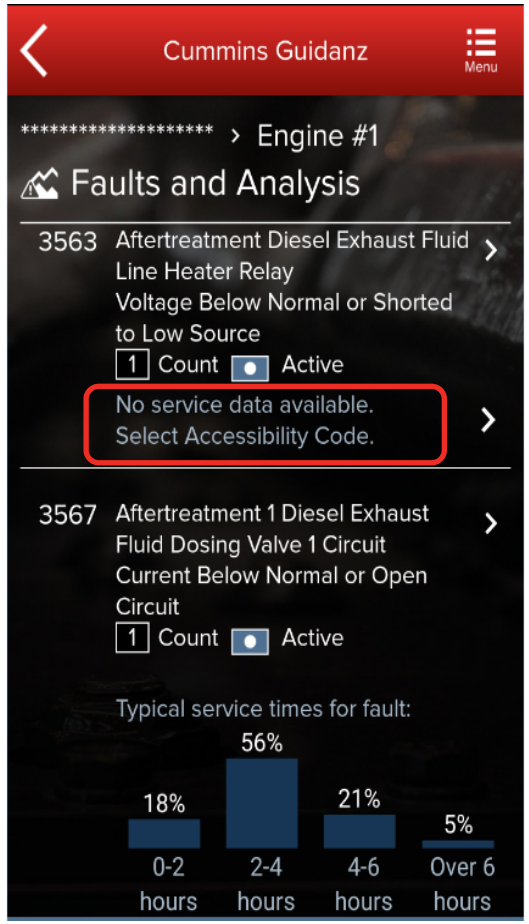
- During the initial IA connection, Guidanz will capture Optimized Diagnostics from the ECM.
- Please stay connected to the ECM until the ECM data is successfully extracted for the most accurate estimates.
- This will take 5 minutes.

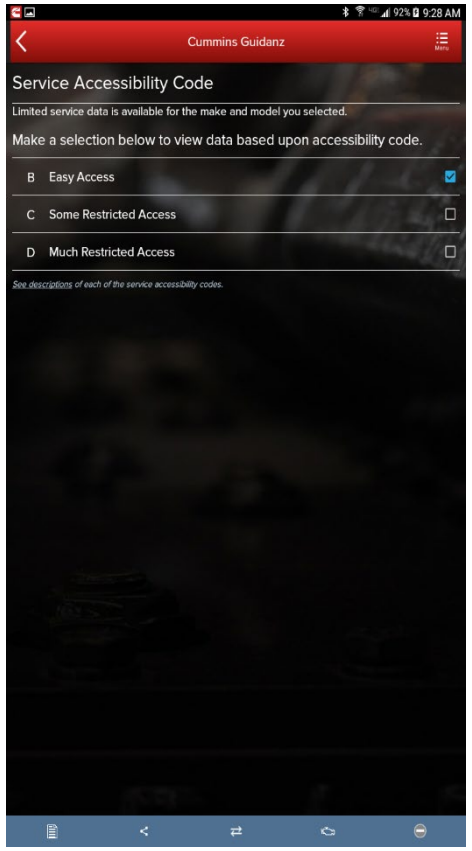
Immediate Assessment Output



- The faults screen displays the following for each **prioritized** fault
  - Typical Service Times for fault (if available)
  - Top Likely Root Causes

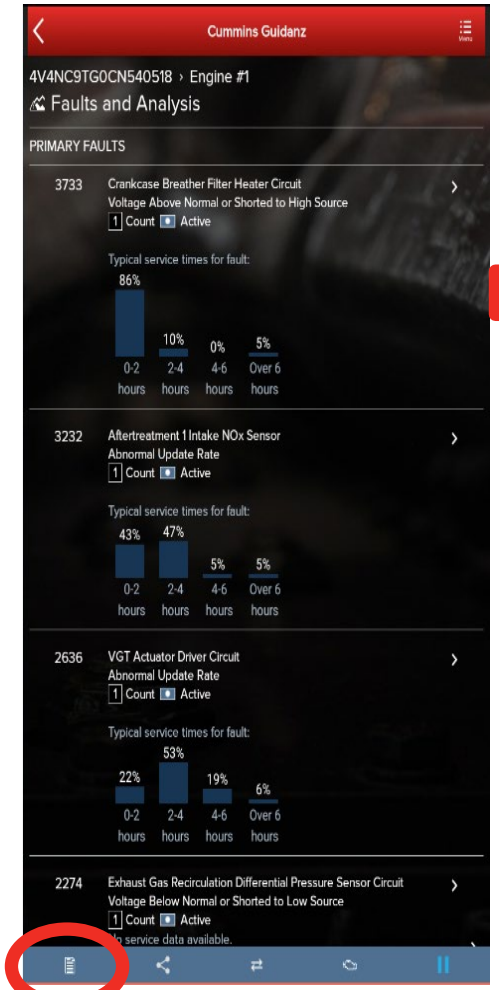
Immediate Assessment Output (Continued)

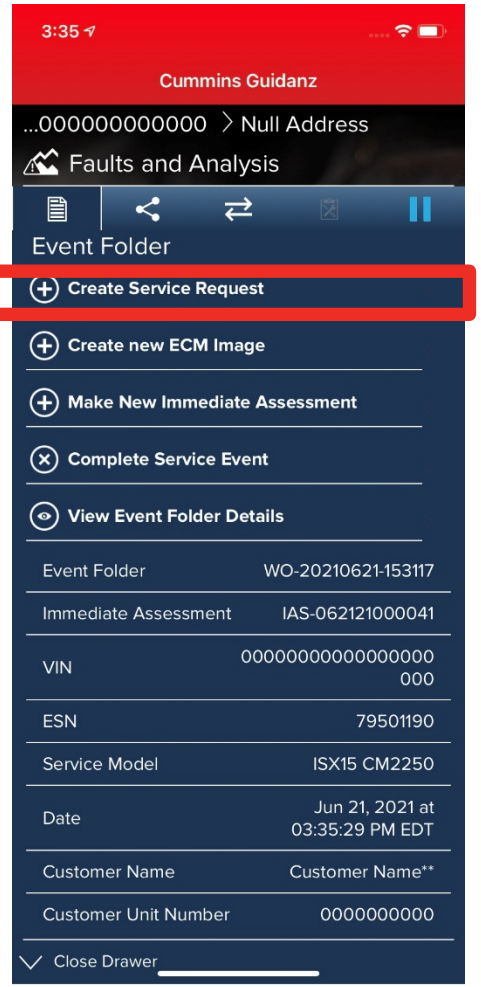


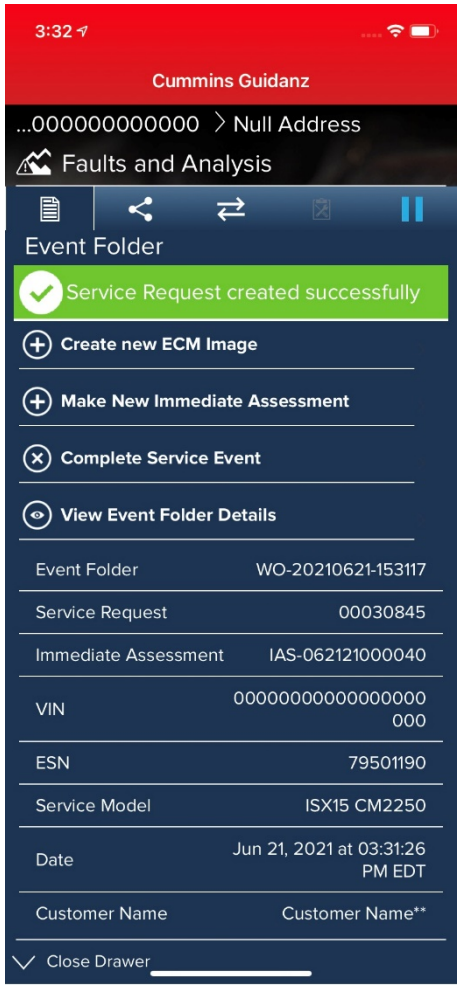


- Not all faults will have estimated service time based on manufacturer and model
- If estimated service time is not available, the user can select to enter accessibility code
- If data is available based on accessibility code, the app will display estimated service time for the faults that didn't have data before. (It is possible that even with the accessibility code, some faults still may not have estimated service times)
- If there are no faults detected, 0 Faults will be displayed.

Creating Guidanz Web job from Faults and Analysis Screen

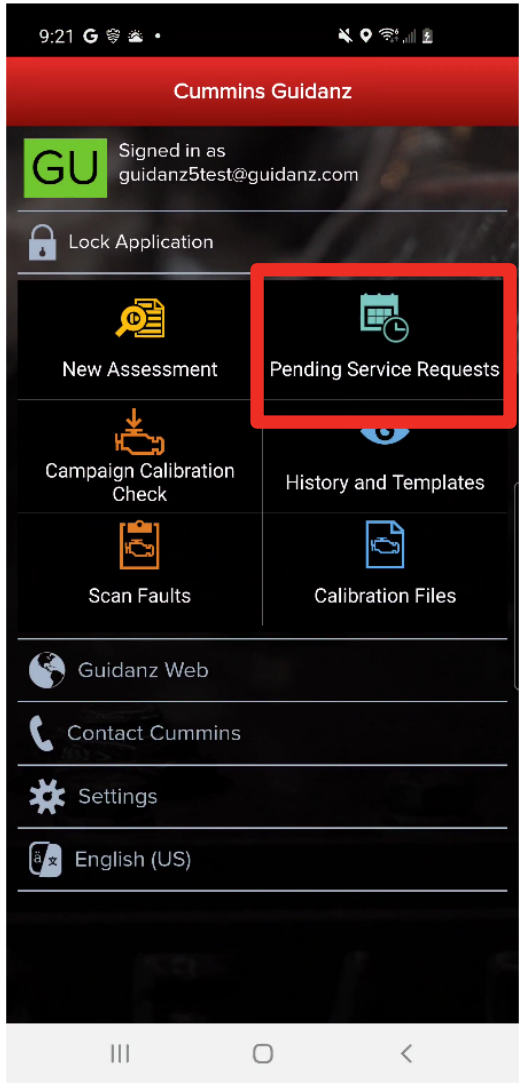


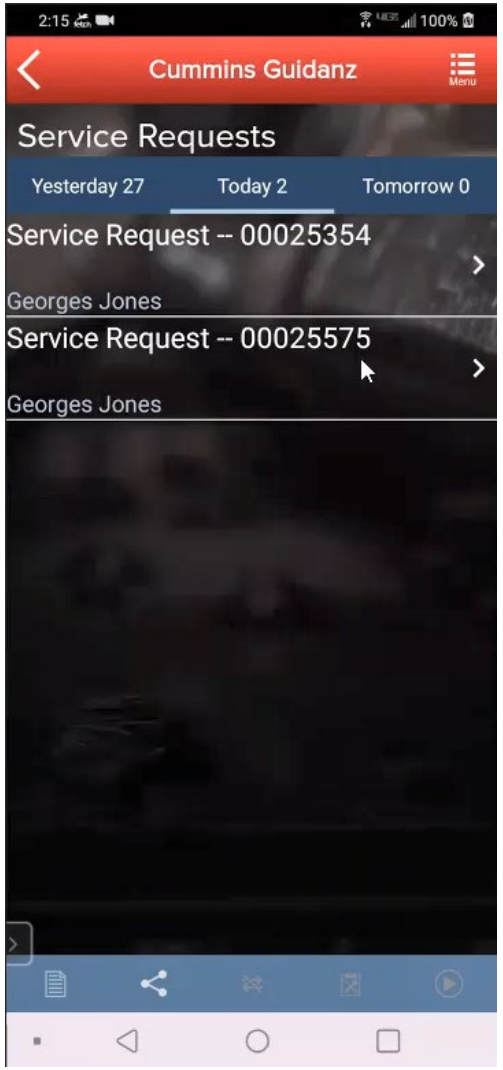


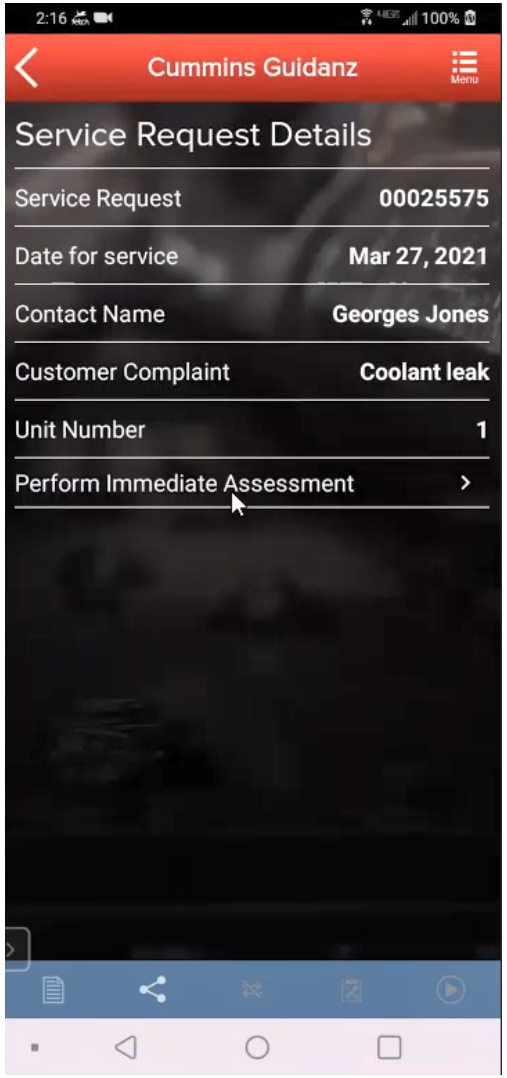


- When immediate assessment has been performed, **the user works for a Guidanz Web location**, and there is an Internet connection, the bottom left icon on the chyron will allow the user to Create a Guidanz Job Order.
- Selecting Create Guidanz Job Order will initiate the job creation process.
- The Guidanz Job Order number, the Event Folder number as well as the Immediate Assessment number are shown
- The user can also Make New Immediate Assessment or View Event Folder Details

Pending Service Requests

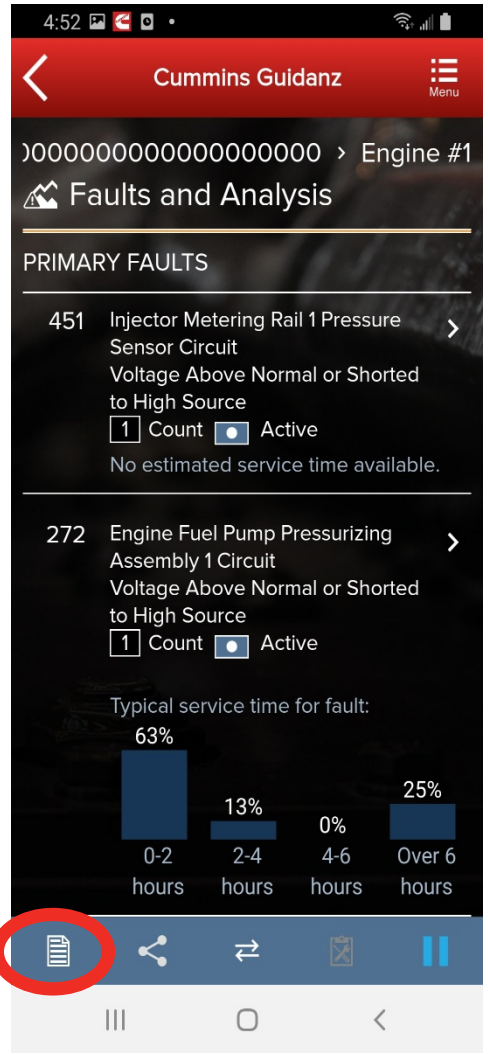


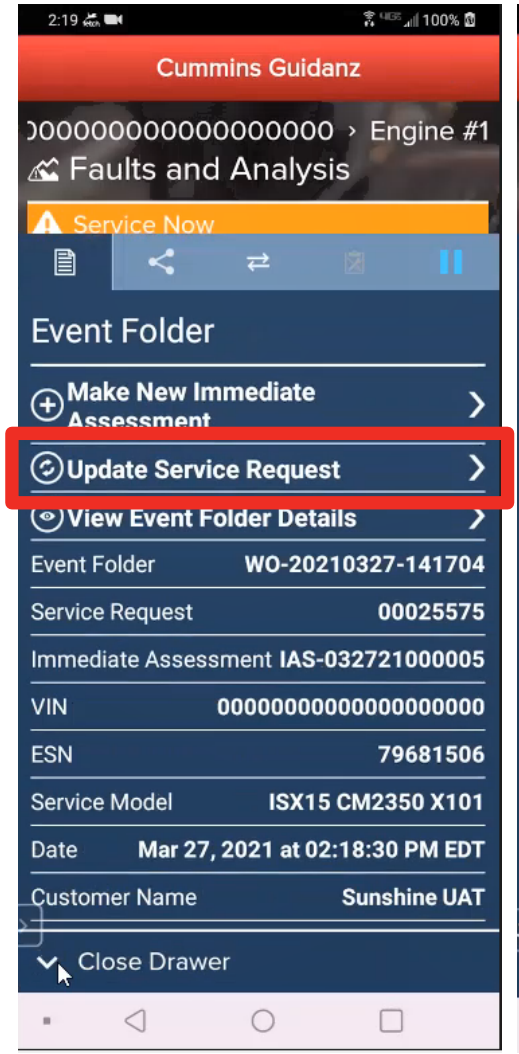


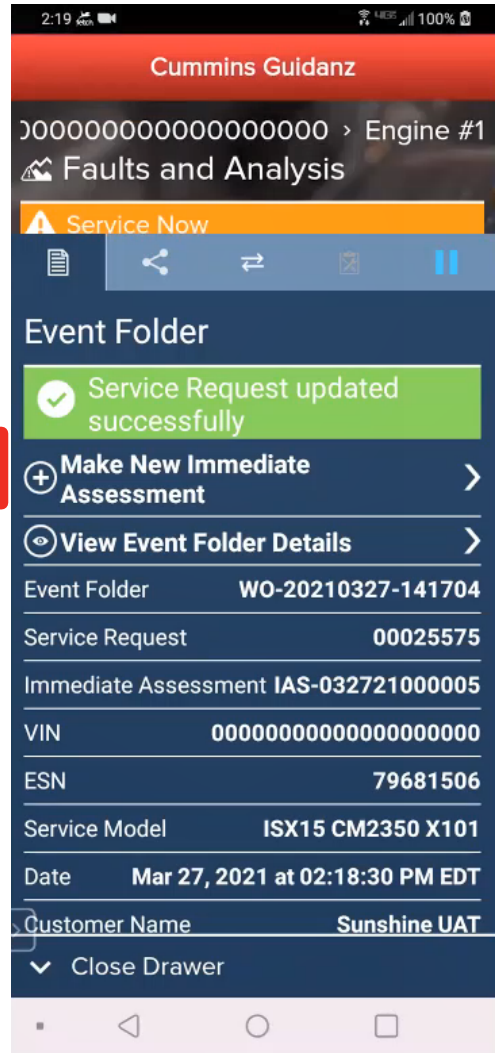


- User can create an Immediate Assessment from a pending Service Requests.
- Pending Service Requests are created in Guidanz Web.

Updating Guidanz Web job from Faults and Analysis Screen

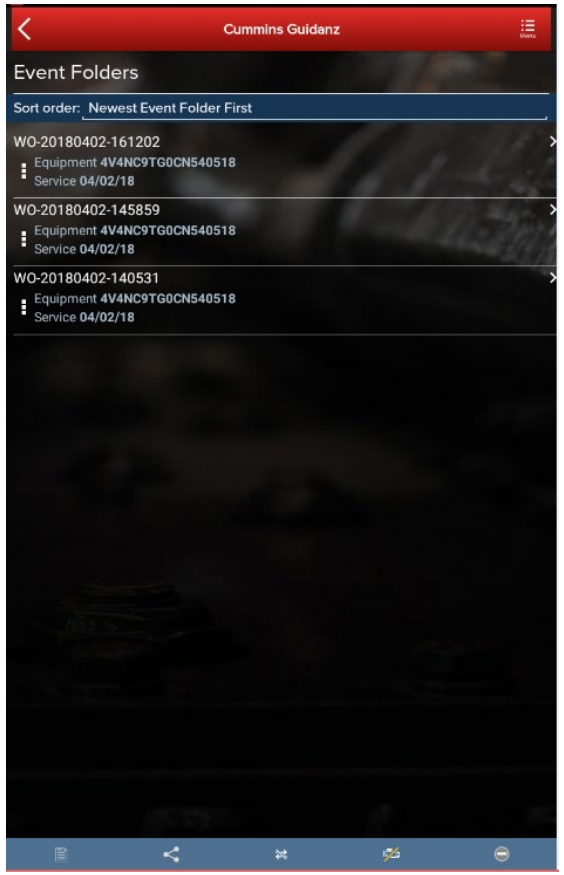


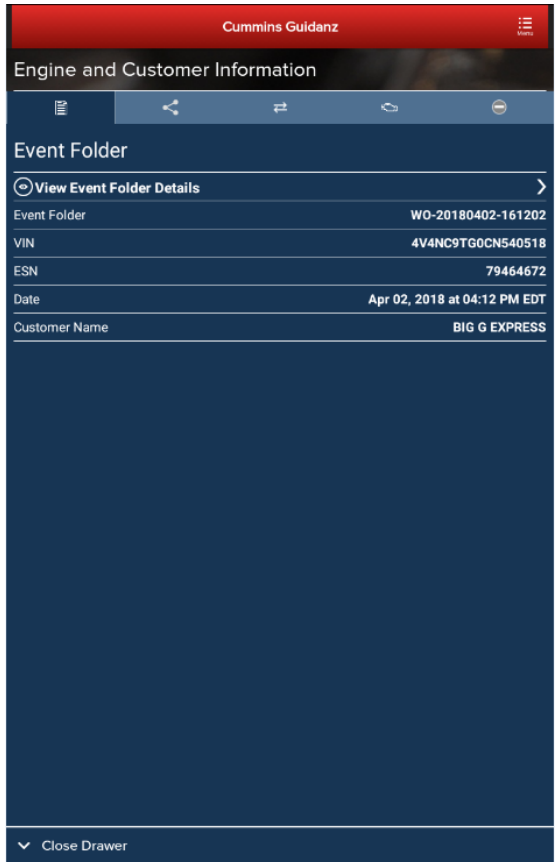




- When immediate assessment has been performed from a pending appointment, **the user works for a Guidanz Web location**, and there is an Internet connection, the bottom left icon on the chyron will allow the user to Update the Job Appointment.
- Selecting Update Job Appointment will update the already existing Job Order in Guidanz Web
- The Guidanz Job Order number, the Event Folder number as well as the Immediate Assessment number are shown
- The user can also Make New Immediate Assessment or View Event Folder Details

History and Templates (Event) Folder



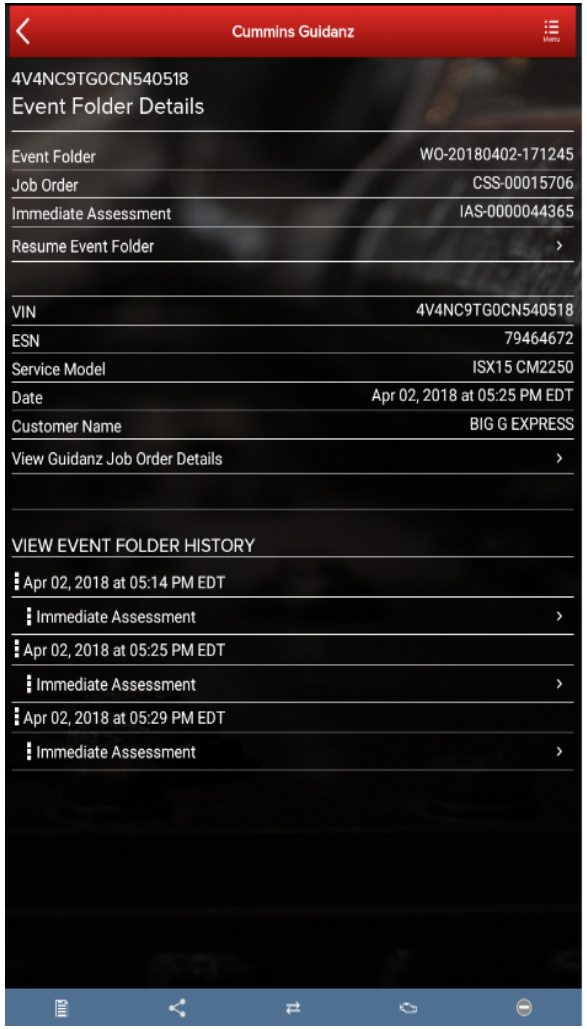


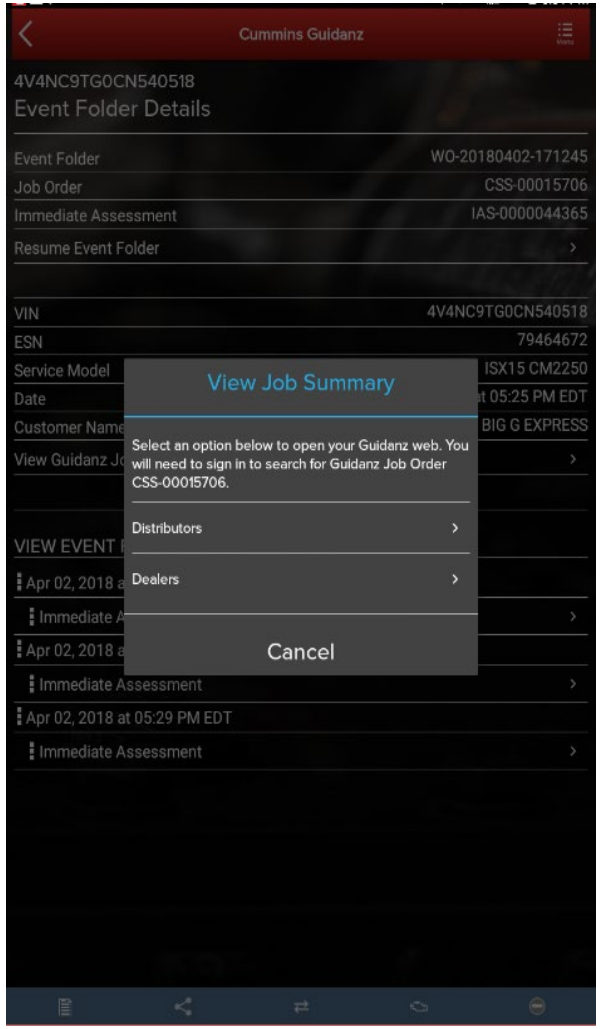
An Immediate Assessment will create an Event Folder. Event Folders can be viewed by clicking on View Events in the Start screen

Event Folder Details can be viewed by

- clicking on an event in the Event Folders screen
- clicking on the bottom left icon on the chyron

Viewing the Guidanz Web job





- To view the Guidanz Web job, go into the respective Event Folder details and click on View Guidanz Job Order Details.
- Guidanz web has different links for distributors vs dealers. Clicking on the link will open Guidanz web on a web browser that the user will need to sign into to view the job.
  - Distributor (Classic): css.cummins.com/cmi
  - Distributor (Evolution): https://guidanzfsl.cummins.com/cmi
    - (Chrome is the preferred browser)
  - Dealer (Classic): css.cummins.com

Engines not supported

Engine Program	ECM
480C-E	CM552
B5.9G	CM420
C Gas Plus/B Gas Plus	CM556
C8.3G	CM420
CELECT	ECM-B
CELECT Plus	ECM-C
CELECT Plus Industrial	ECM-C
Centinel	CM400
CENTRY	CM400
Gas Compression GTA3.9/5.9/8.3GC, KTA19/38GC - SSM558/CM556/CM2358	CM556
	SSM558
ISB	CM550
ISB - CM850	CM850
ISB Daimler Chrysler	CM551
ISBe (4 and 6 Cylinder)	CM800
ISBe2/3 - CM850	CM850
ISBe4 (4 and 6 cylinder)	CM850
ISC / Transit Bus ISL8.3 - CM850	CM850
ISC/ISL	CM554
ISL8.9 - CM850	CM850
ISLe4 (6 cylinder)	CM850

Engine Program	ECM
ISM	CM570
ISM - CM870	CM870
ISM - CM875	CM875
ISM - Fuel Control Module - CM570	CM570
KTA19, G855 CM558 G Drive	CM558
L Gas Plus	CM556
L10G	CM420
PIM	CM550
QSB5.9/44, 5.9/30, 4.5/30, 3.9/30	CM550
QSC8.3/QSL9	CM554
	CM500
QSK19/23/45/60/78	CM500
QSK19G/38G/60G, QSV81/91 - CM700/SSM558/CM2358	CM700, SSM558
	CM2358
QSM11	CM570
QST30	CM552
QST30 - Power Gen	CM552
QSX15	CM570
Signature/ISX	CM570
Signature/ISX - CM870	CM870

Questions or Issues

- Please contact Cummins Care for any questions or issues
  - Call: 1-800-CUMMINS
  - Email: ServiceToolSupport@cummins.com
  - Chat Service: www.cummins.com
  - Tool Support Website: www.cummins.com

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