

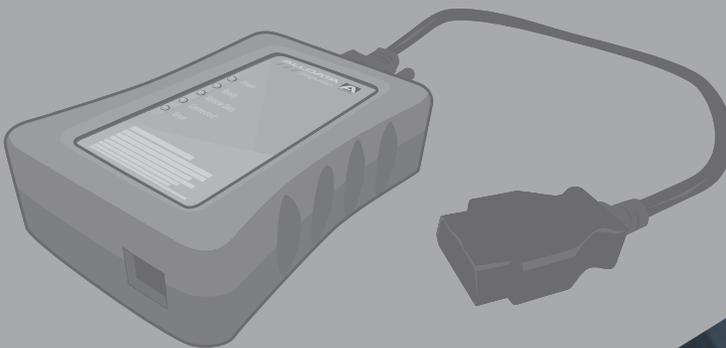


# ALLDATA<sup>®</sup> DIAGNOSTICS<sup>™</sup>

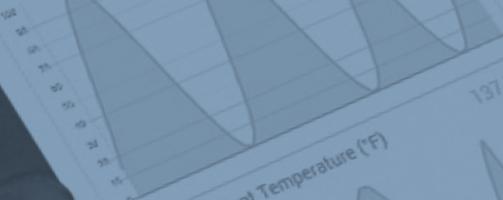
## USER GUIDE

### ALLDATA DIAGNOSTICS<sup>™</sup>

The only scan tool solution with  
the power of ALLDATA built in



Calculated LOAD Value (%)



74.994

Absolute Throttle Position (%)

137.713

Engine Coolant Temperature (°F)

Power  
Ready  
Vehicle Data  
Connected  
Error

To power up ALLDATA Diagnostics:  
1. Plug the device into the OBD port.  
2. During the boot process, all the light indicators will illuminate.  
3. After 30 seconds, the device will power up and display the ALLDATA logo.  
4. The device will be ready to use.  
5. The device will be ready to use.  
6. The device will be ready to use.  
7. The device will be ready to use.  
8. The device will be ready to use.  
9. The device will be ready to use.  
10. The device will be ready to use.

## ALLDATA Diagnostics

ALLDATA Diagnostics delivers next-generation technology that turns a tablet (Android or Windows 10) into a powerful, professional scan tool – an industry first. And it's the only scan tool solution with ALLDATA Repair or ALLDATA Collision built in. Technicians can retrieve and clear manufacturer P, B, C, and U codes – the brunt of day-in, day-out diagnostics. The scan tool also reads and displays PIDs, providing live sensor data from all modules/vehicle systems, and offers bi-directional component control. ALLDATA Diagnostics offers full-system, exportable pre- and post-DTC scan reporting, for detailed, accurate estimates, and OEM-compliant repair plans. Includes coverage for domestic, European, and Asian vehicles.



**ALLDATA Diagnostics Vehicle Interface Connection**

Instead of housing the scan tool software in a bulky, hand-held unit, ALLDATA Diagnostics has a VCI (Vehicle Connection Interface) device that attaches to the vehicle's OBD port. It links instantly via Bluetooth to your tablet, giving you the flexibility to perform scan tool functions directly on the tablet.

Software and data updates are included in the subscription at no additional cost.

This user's guide is designed to show you how to install the App and pair the VCI (Vehicle Connection Interface) device to your tablet. Everything you need to start is included in this guide. It is important that you read and follow the included instructions to achieve the best results.

# /// TABLE OF CONTENTS

<b>Requirements</b> .....	4
Hardware .....	4
Software .....	4
Internet Connection .....	4
Tablet .....	4
<b>Setup - Android</b> .....	5
Download and Install the ALLDATA app .....	5
Pairing to a tablet .....	6
<b>Setup - Windows</b> .....	7
Download and install the ALLDATA app .....	7
Pairing to a tablet .....	8
<b>Connecting to a vehicle</b> .....	9
Status Indicators .....	9
Power up ALLDATA Diagnostics .....	9
Vehicle Connection .....	10
Vehicle Selection .....	11
System Selection .....	12
<b>Navigation</b> .....	13
Viewing Diagnostic Trouble Codes .....	13
Viewing Emissions Readiness Monitors .....	15
Viewing PID Information .....	16
Using the Toolbar .....	17
<b>Updating the VCI</b> .....	18
<b>Support</b> .....	20
Technical Support .....	20
Troubleshooting .....	21
FAQs .....	22

# /// REQUIREMENTS

## Hardware

Vehicle Connection Interface (VCI)



## Software

ALLDATA Diagnostics



## Internet Connection

High-speed /broadband such as cable DSL or satellite

## Tablet

### Android

- Screen Size: 7 inches or larger
- Memory (ROM): 8GB or more
- Connectivity: Bluetooth
- Camera: Autofocus
- Operating System: Android 5.0 or later

### Windows

- Screen Size: 7 inches or larger
- Memory (RAM): 2GB or more
- Connectivity: Bluetooth
- Camera: Autofocus
- Operating System: Windows 10

**NOTE:** Low-cost tablets that lack basic services, or include parts based on older technology, will not reliably meet the requirements. If you cannot access ALLDATA Mobile in the app store through a low-cost tablet, it probably means that tablet does not have basic features, such as GPS tracking or Bluetooth using current technology standards.

# ANDROID

## Download and install the ALLDATA Mobile app

Follow the instructions below to install the ALLDATA Mobile app to your Android mobile device.



Android Tablet

First, make sure you have an internet connection on your tablet. Then, from the home screen of your tablet, locate and tap the Play Store icon. If it is not on the home screen tap the Apps icon in the bottom-right. Swipe right or left until you find the icon and tap it.

When the Play Store opens, tap in the search field and enter ALLDATA. Some suggestions will pop up below the search box as you type, which you can tap to go directly to the app page.



ALLDATA app icon

You will see two choices of ALLDATA apps. They are: ALLDATA Mobile and ALLDATA. Tap the ALLDATA icon shown here.



ALLDATA app installation

Tap the Install button to start downloading. When they appear, carefully read the Terms and Conditions and tap Accept to continue with the installation.

When the installation is complete, the app will be accessible by tapping the ALLDATA icon which has been placed on your home screen. You can also find it by tapping the apps icon in the bottom-right of your home screen, and swiping left and right to locate the app as described above.

## ANDROID (CONTINUED)

### Pairing to a tablet

Follow the instructions below to pair your tablet to the VCI (Vehicle Connection Interface).

To begin, locate the vehicle's OBD port. It is typically located in the driver's area, within reach of the driver's seat (i.e., under the steering column or dash). Plug in the VCI to the vehicle's OBDII port and allow the unit to boot up. The five lights will begin to blink on and off during this process. Wait until the Power (red), and Ready (blue) lights are solid and no other lights are illuminated.

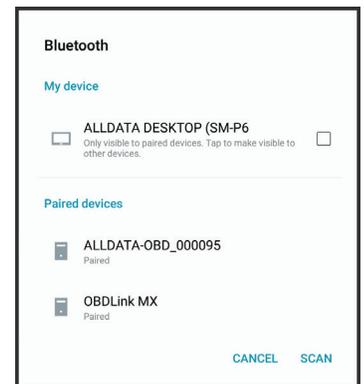


Connect VCI to OBD II Port



Bluetooth icon

Swipe from the edge of your screen across the system status bar. Press and hold the Bluetooth icon until the settings menu opens. You will see a list of devices you can connect to. Locate the ALLDATA-OBD option and tap it.



Bluetooth settings



VCI (Vehicle Connection Interface)

The orange Connected icon on the VCI will illuminate. When prompted by your tablet, enter the PIN 1234 and then select Pair. Your devices are now paired.

# WINDOWS

## Download and install the ALLDATA Mobile app

Follow the instructions below to install the ALLDATA Mobile app to your Windows mobile device.



Windows Tablet

First, make sure you have an internet connection on your tablet. Then, from the home screen of your tablet, open the Programs menu. Tap the Windows “Store” icon.

When the Windows Store opens, tap in the search field and enter ALLDATA. Some suggestions will pop up below the search box as you type, which you can tap to go directly to the app page.

You will see two choices of ALLDATA apps. They are: ALLDATA Mobile and ALLDATA. Tap the ALLDATA icon shown here.



ALLDATA app icon



ALLDATA app installation

Tap the Install button to start downloading. When they appear, carefully read the Terms and Conditions and tap Accept to continue with the installation.

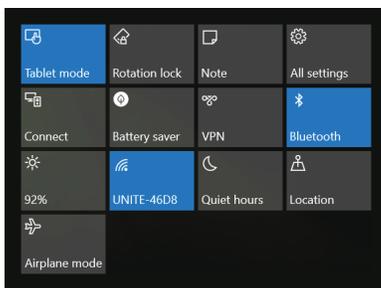
When the installation is complete, the app will be accessible by tapping the ALLDATA icon which has been placed on your home screen.

## WINDOWS (CONTINUED)

To begin, locate the vehicle's OBD port. It is typically located in the driver's area, within reach of the driver's seat (i.e., under the steering column or dash). Plug in the VCI (Vehicle Connection Interface) to the vehicle's OBDII port and allow the unit to boot up. The five lights will begin to blink on and off during this process. Wait until the Power (red), and Ready (blue) lights are solid and no other lights are illuminated.

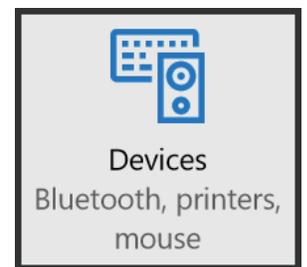


**Connect VCI to OBD II Port**

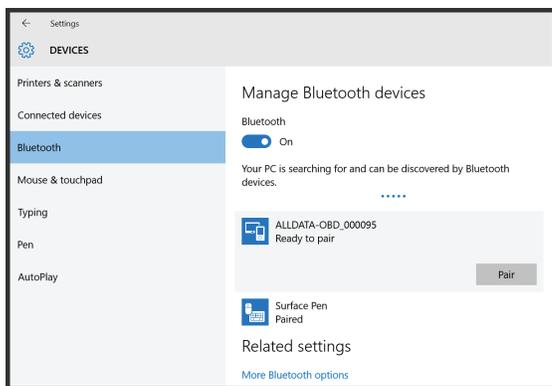


**Action Center**

Swipe across your screen from the right edge to open the Action Center. Tap the "All Settings" icon. When the settings page opens tap Devices.



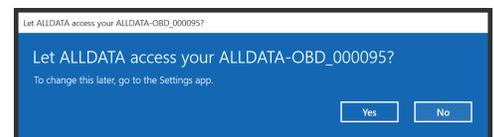
**Tap Devices**



**Bluetooth settings**

Next, select the Bluetooth tab. You will see a list of devices you can connect to. Locate the ALLDATA-OBD option, select it then tap "Pair".

Tap "Yes" to allow the VCI to connect to your tablet



**Tap Yes**

The orange Connected icon on the VCI will illuminate. When prompted by your tablet, enter the Passcode 1234 and then select Next. The status of the ALLDATA-OBD device will change to "Paired".



**VCI (Vehicle Connection Interface)**

## CONNECTING TO A VEHICLE

### Status Indicators

**Power** – Indicates the VCI (Vehicle Connection Interface) is connected to a power supply

**Ready** – Indicates the VCI has completed the booting process and is ready to use

**Vehicle data** – Indicates data is being communicated from the vehicle to the VCI

**Connected** – Indicates that the VCI is paired (connected) to a mobile device

**Error** – Indicates there is a system error



VCI (Vehicle Connection Interface)

### To power up ALLDATA Diagnostics

1. Plug the device into the OBDII Port.
2. During the boot process, all five light indicators will illuminate.
3. After initial boot, only the Power and Vehicle Data indicators will illuminate.
4. When only Power and Ready indicators are illuminated, the device is ready for use.

# CONNECTING TO A VEHICLE

(CONTINUED)

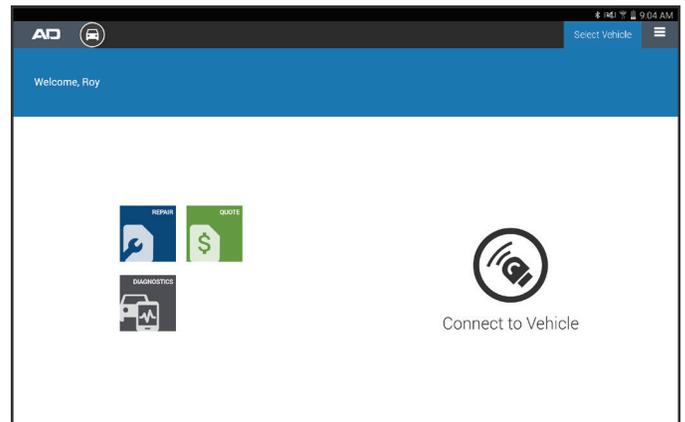
## Vehicle Connection

Plug in the VCI (Vehicle Connection Interface) to the vehicle's OBD port and allow the unit to boot up. The five lights will begin to blink on and off during this process. Wait until the Power (red), and Ready (blue) lights are solid and no other lights are illuminated. You are now connected to the vehicle.

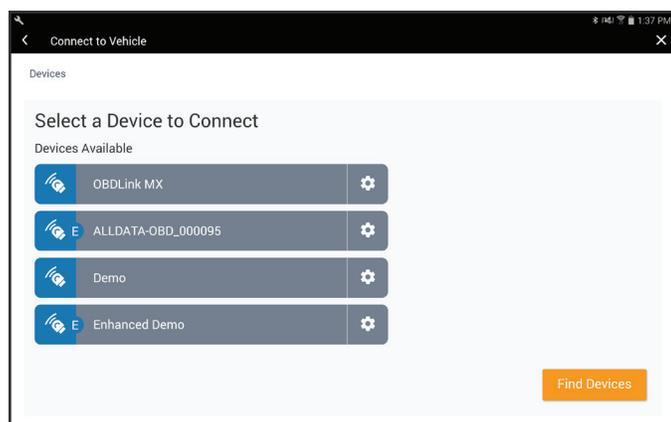


**Connect VCI to OBD II Port**

To start data transfer to ALLDATA Diagnostics, turn the vehicle key to the On position or start the engine. (Some vehicles require the engine to be running to connect.) Go to the ALLDATA mobile app's Home screen and tap the Connect to Vehicle icon.



**ALLDATA home screen**



**Select a Device**

On the next screen you will see a list of available devices that you can connect to. Look for the ALLDATA-OBD option and tap it. (If you do not see this option tap the Find Devices button.)

# CONNECTING TO A VEHICLE

(CONTINUED)

## Vehicle Selection

**ALLDATA Diagnostics**

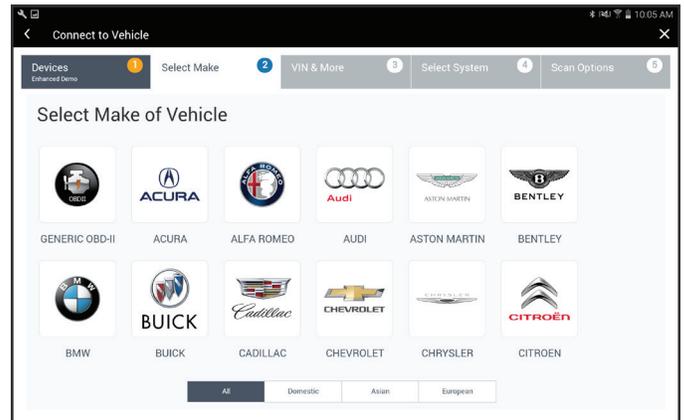
- Power
- Ready
- Vehicle Data
- Connected
- Error

**To power up ALLDATA Diagnostics:**

1. Plug the device into the OBDII Port.
2. During the boot process, all five light indicators will illuminate.
3. After initial boot, only the Power and Vehicle Data indicators will illuminate.
4. When only Power and Ready indicators are illuminated, the device is ready for use.

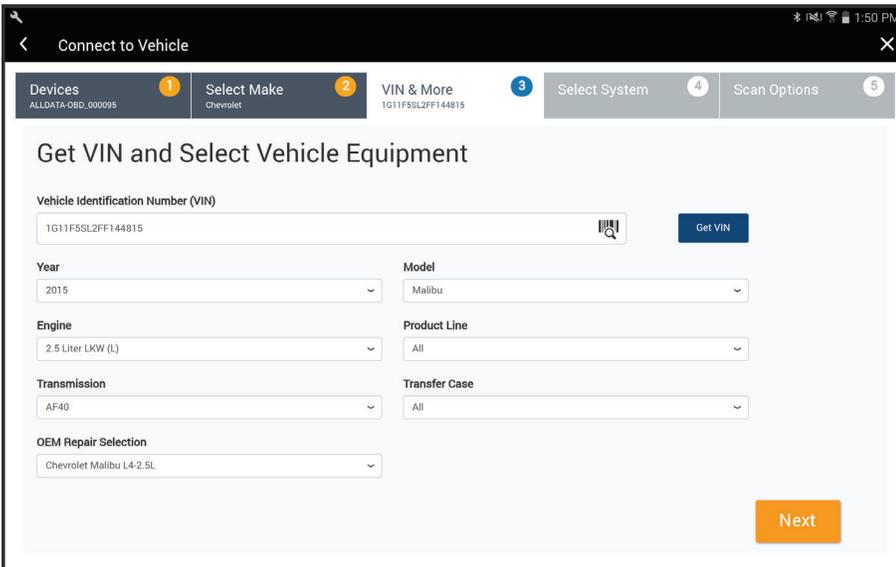
See the *Quick Start Guide* or visit [www.ALLDATA.com](http://www.ALLDATA.com)

**VCI (Vehicle Connection Interface)**



**Select Make of Vehicle**

When the device is selected, the Connected (orange) light on the VCI will illuminate and the Select Make of Vehicle screen will appear. Choose the appropriate Make.



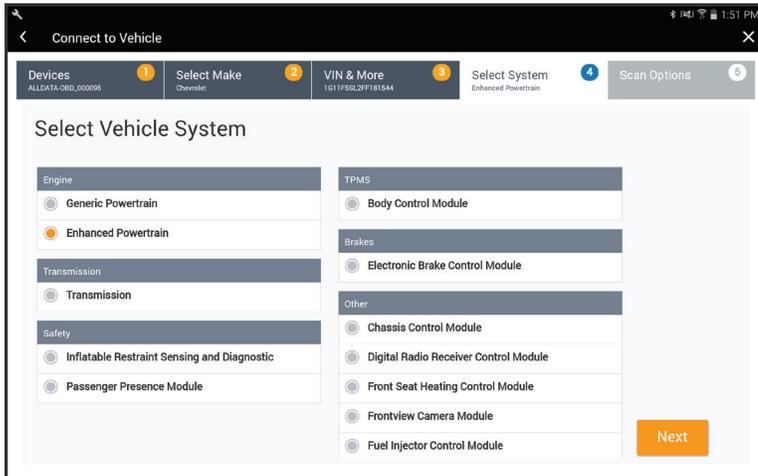
**Get VIN**

The next page is where you will select the vehicle. Tap Get VIN. Vehicles that do not provide VIN data will require you to use your devices camera to scan the vehicles VIN bar code or manually enter the VIN. Once the VIN is displayed, verify all of the vehicle information is correct and tap Next.

# CONNECTING TO A VEHICLE

(CONTINUED)

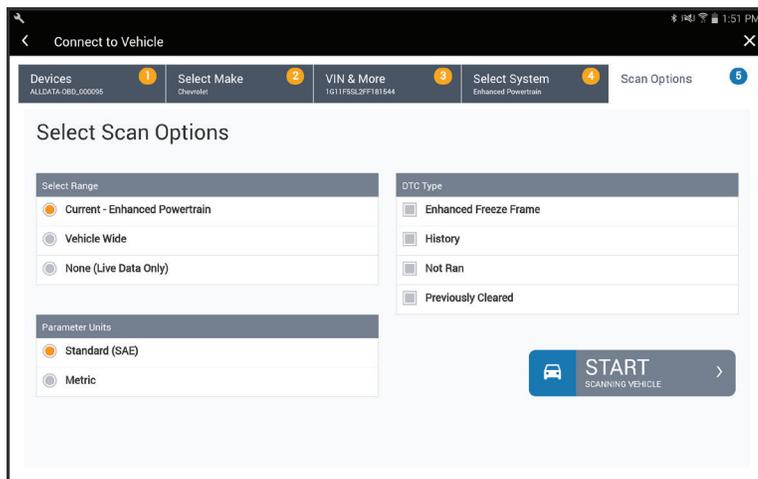
## System Selection



Select Vehicle System

Select the vehicle system you want to scan and tap Next.

Selecting Generic Powertrain will only display basic emissions related P-Codes.

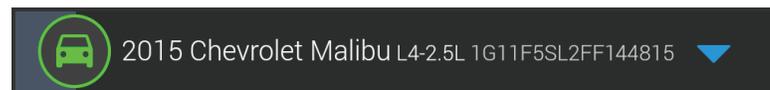


Select Scan Options

Select your scan options and tap Start Scanning Vehicle. The Vehicle Data (green) light will illuminate and blink when data is being transferred between the vehicle and the VCI.



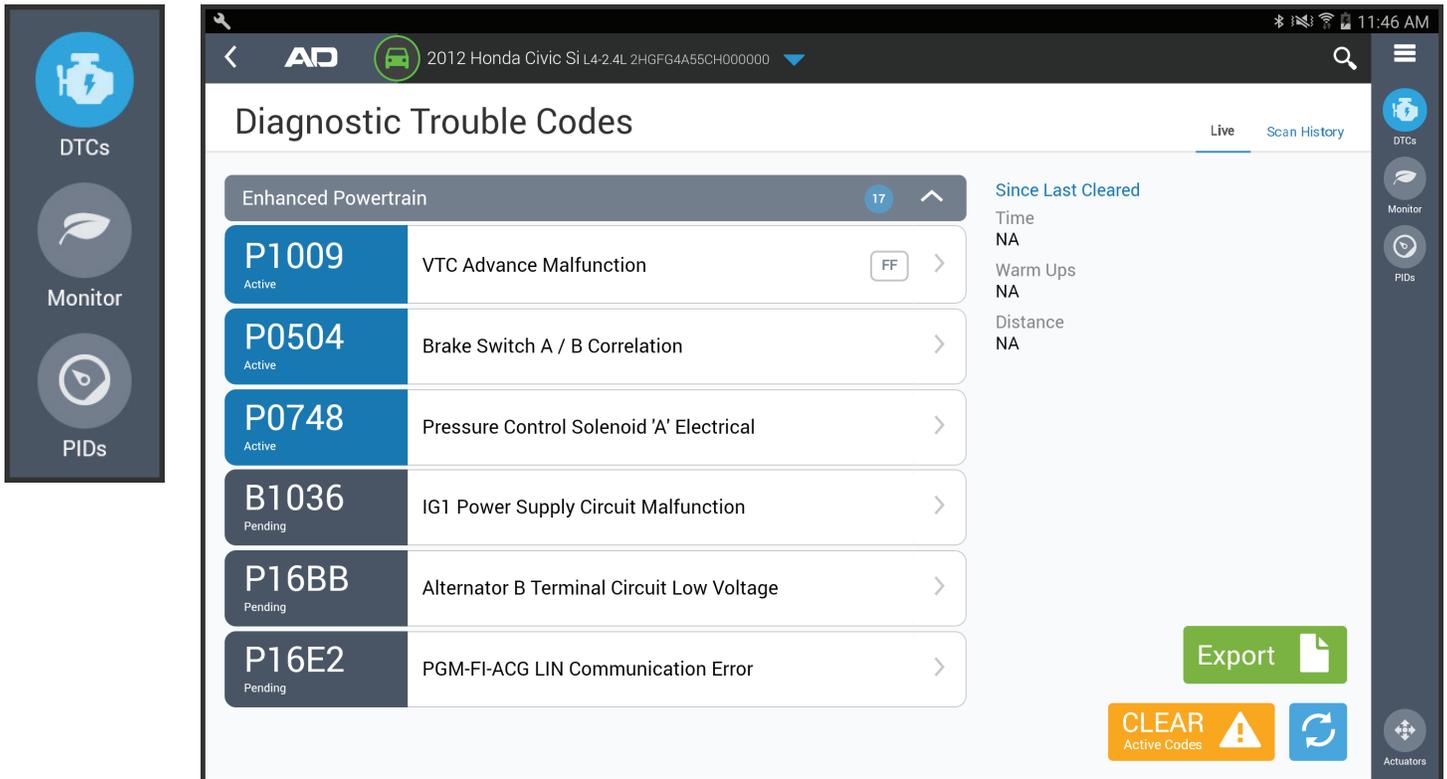
VCI (Vehicle Connection Interface)



Green Icon indicates "Connected"

You are now connected to the vehicle and ready to start viewing vehicle data.

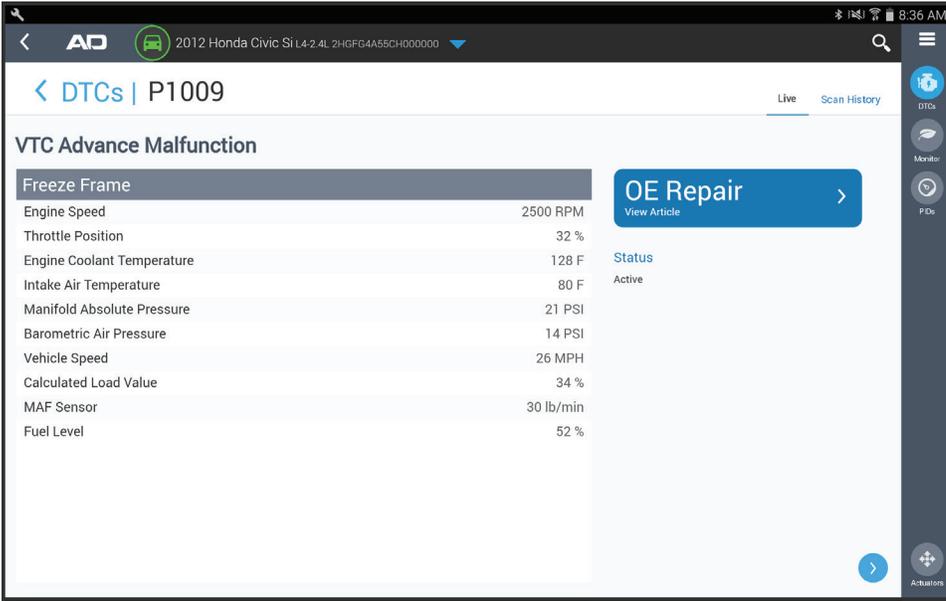
## VIEWING DIAGNOSTICS TROUBLE CODES



**Diagnostic Trouble Codes**

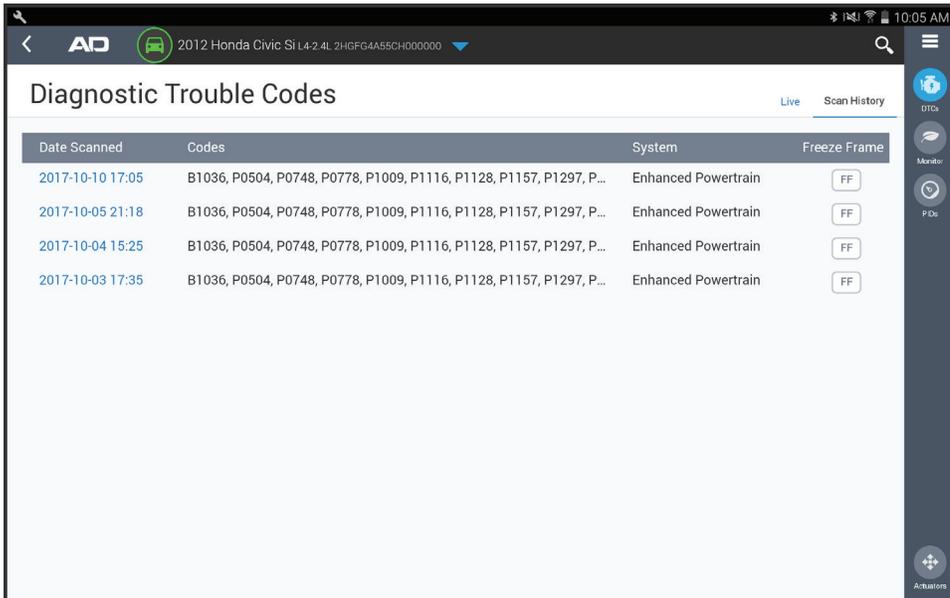
Selecting the DTCs icon will display all detected DTC codes. When viewing Diagnostic Trouble Codes, you can view Live data as well as review any previous scans. Both active (Mode 1) and pending (Mode 7) data will be displayed. Active codes are listed first and shown in blue. Pending codes are shown below the active codes in grey. If any freeze frame (Mode 2) data has been captured it will be denoted on the code line with FF. From this page, you can also clear any active codes by tapping the Clear button. The export button will save the DTC report to your device's local storage.

## VIEWING DIAGNOSTICS TROUBLE CODES (CONTINUED)



Freeze Frame Data

Tapping the code line will open a page where you can view any available freeze frame data, as well as provide a link to any ALLDATA Repair articles for diagnosing, troubleshooting or correcting the associated code. You can scroll through the codes using the < and > arrows at the bottom of the page.



Diagnostic Trouble Codes Scan History

Tap "Scan History" to review any previous scan data. The date and time of the scan are shown as well as the codes that were detected at that time. Tapping the date/time line will open the scan records page.

# VIEWING EMISSIONS MONITORS

**Emissions Monitors** Since DTCs Cleared

CONTINUOUS

- Misfire ✓
- Fuel System ✓
- Components ✗

NON CONTINUOUS

- Oxygen Sensor ✓
- Oxygen Sensor Heater ✓
- Catalyst ✓
- EGR ✓
- EVAP System ✗
- Heated Catalyst ✗
- Secondary Air System ✓

**Monitored Test Results**

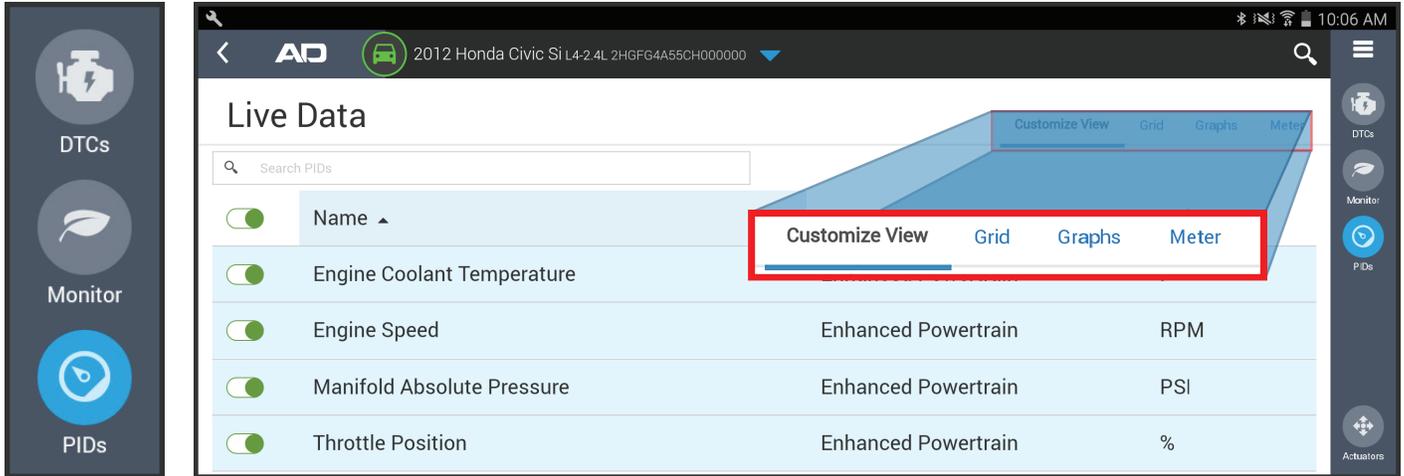
Component ID	Value	Unit	Min	Max
(\$01) Monitoring of Catalyst 1 (Sum of Determined Ratios)	3.000	n/a	0.000	2.000
(\$02) Monitoring of Catalyst 2 (Sum of Determined Ratios)	5.000	n/a	0.000	2.000
(\$03) Monitoring of Catalyst 3 (Max value O2 Bank 1 Sensor 1)	6.000	n/a	0.000	2.000
(\$04) Monitoring of Catalyst 4 (Reach to Lean of O2 Bank 1 Sensor 1)	1.000	ms	100.000	2.000

**Emissions Monitors**

The Emissions Monitors page will indicate whether or not a vehicle is ready to run an emissions test. It shows the status of both continuously and non-continuously monitored systems. A green bar means the system test has been run and completed. A red bar means the test has not been run or is not complete. If the bar is gray, this indicates the system or test is not available on the selected vehicle. At the bottom of the page is a grid which displays Mode 6 data.

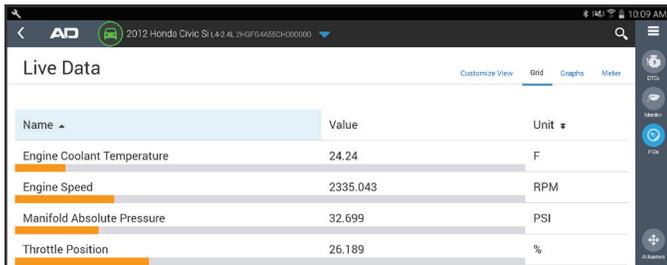
NOTE: You must be in Generic Powertrain mode to view emissions monitor information.

## VIEWING PID INFORMATION

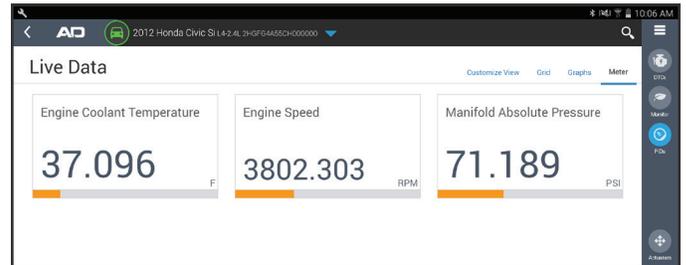


**Choose the sensors to monitor**

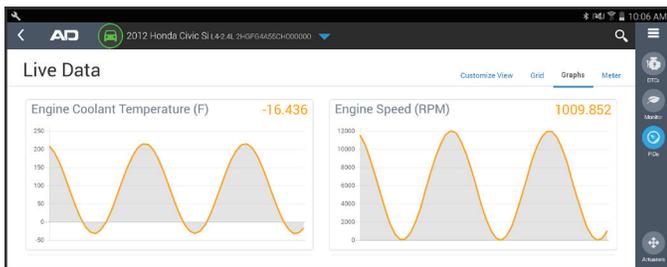
To view live sensor (Mode 1) data tap the PIDs icon. On the page that opens choose the sensors you want to view by tapping the slider next to its name. The sensors available for selection will depend on the system you selected during the initial connection process. Additional PIDs may be available by selecting a different system. At the top right of the screen, choose how you want to see the information. Your choices are: Grid, Graphs and Meter. Samples of each are shown below.



**Grid view**

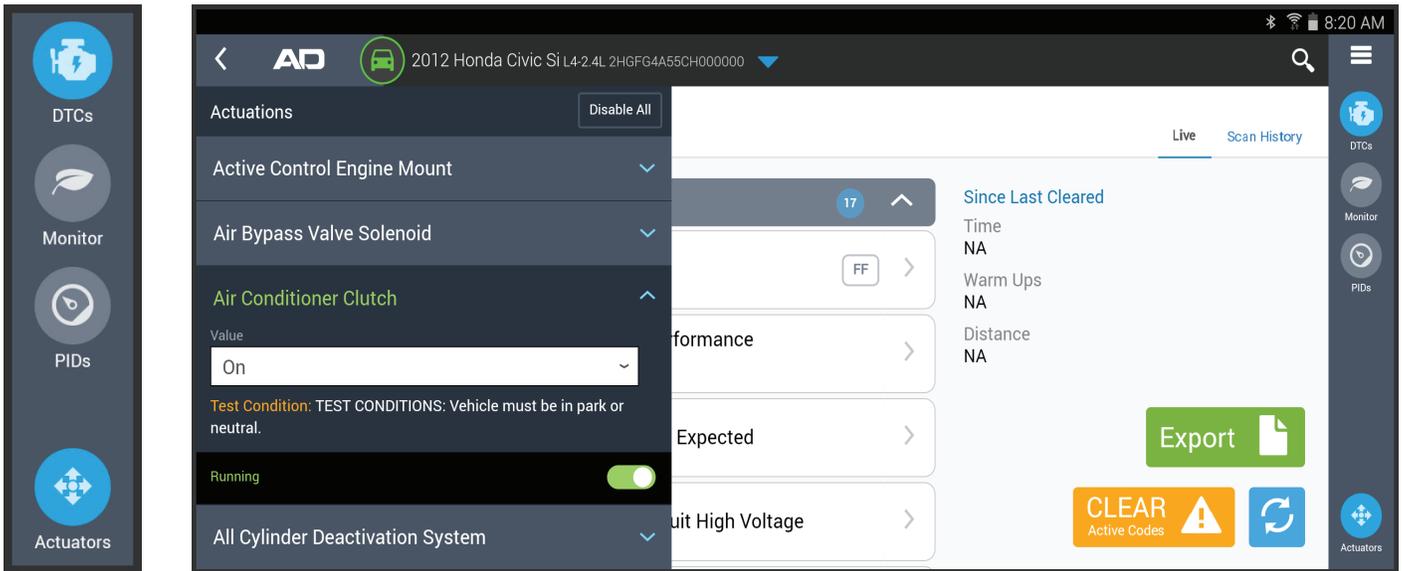


**Meter view**



**Graph view**

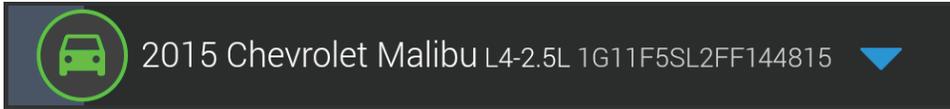
## USING ACTUATORS FOR BI-DIRECTIONAL CONTROL



**Actuators**

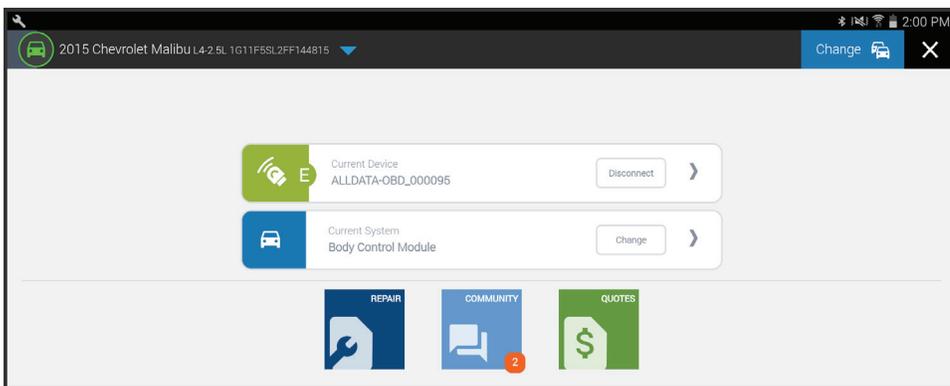
Tap the “Actuators” icon to open the Actuators panel. This panel facilitates bi-directional control of modules, motors, solenoids, switches, relays etc. The available items will vary by vehicle. Tap the icon again to close the panel.

## USING THE TOOLBAR



**Tool Bar**

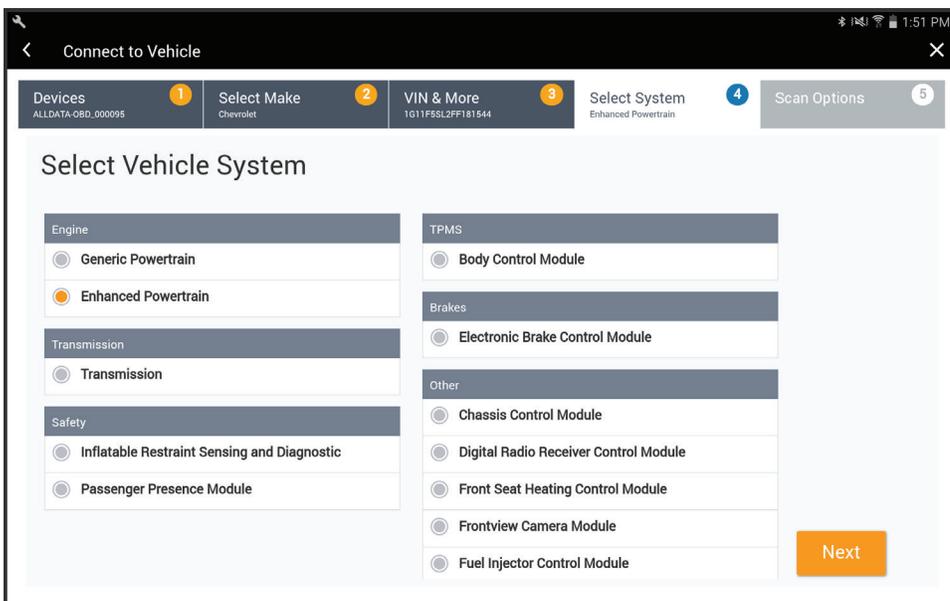
At the top of each page is the toolbar. Tap on it to open the options page.



**Disconnect or Change Vehicle System**

From here you can access other ALLDATA applications such as Repair, Community, and Quotes.

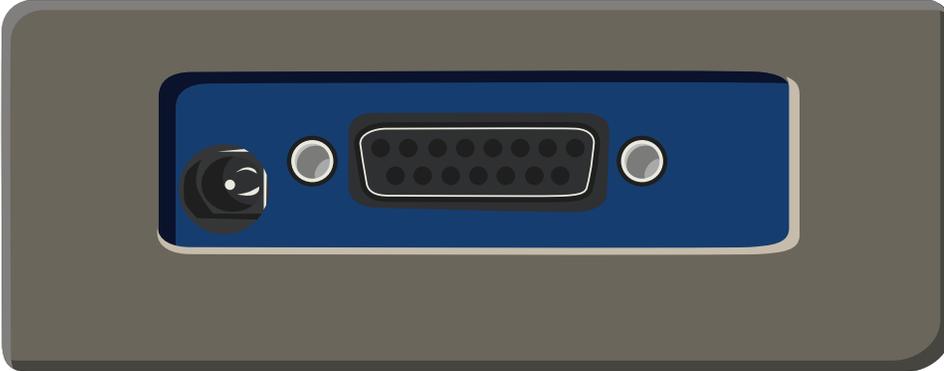
This is also where you can disconnect the VCI from the vehicle and change the vehicle system you are viewing.



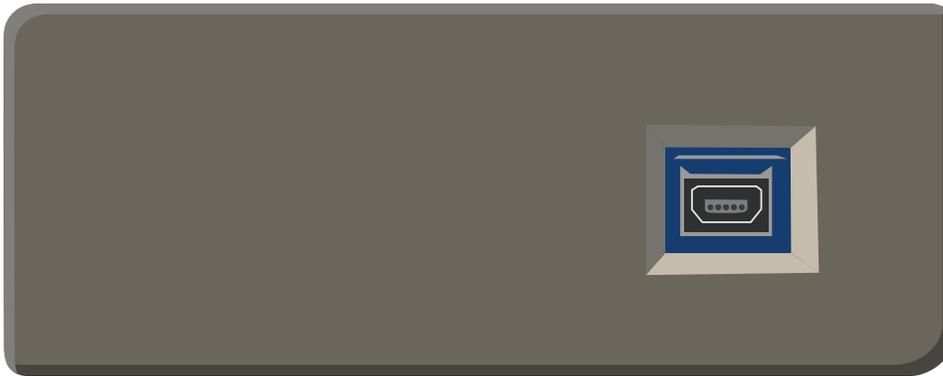
**Select Vehicle System**

Tapping the Change button on the Current System bar opens the Select Vehicle System page, where you select the new system to view.

## UPDATING THE VCI

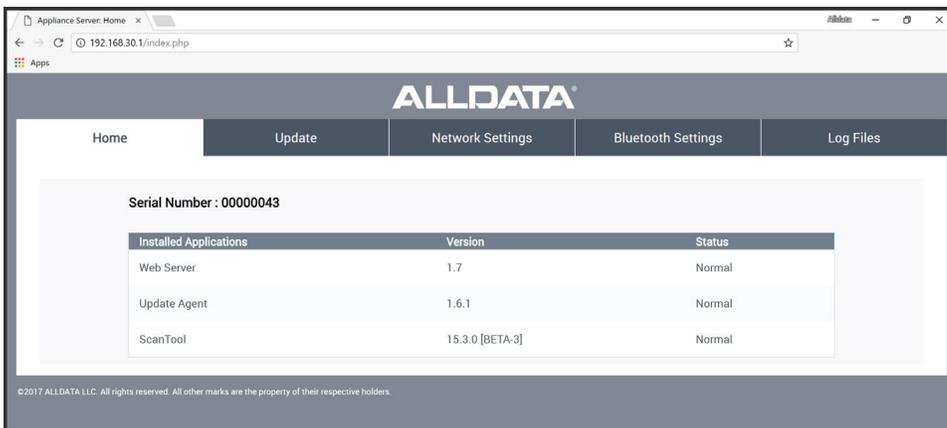


To update the VCI, power up the device using the provided power supply.



On the opposite end of the VCI, use the provided USB cable to connect the VCI to a Windows PC.

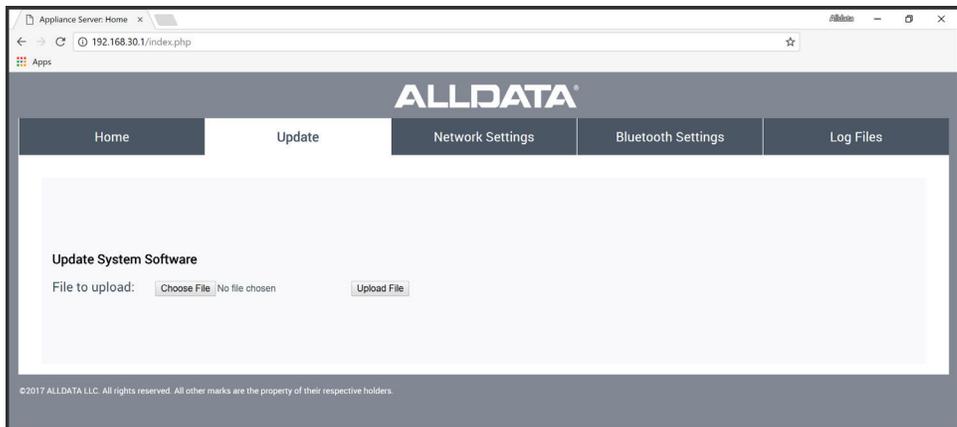
**Vehicle Connection Interface**



Open a web browser and enter 192.168.30.1 in the address bar. When the page opens click the Update tab.

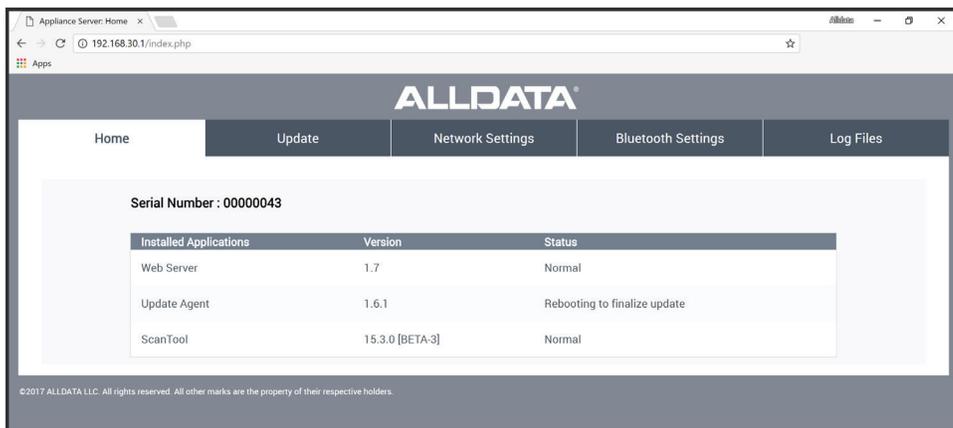
**Admin Screen Home Page**

## UPDATING THE VCI



Admin Screen Update Page

Click “Choose File” and navigate to the provided update file, and click “Open.” Click “Upload File.” The Power (red) light on the VCI will illuminate.



Admin Screen Home Page

When the Connected (orange) light on the VCI begins blinking and the Update Agent Status message reads “Rebooting to finalize update,” unplug the VCI from the power supply. Wait 5 seconds and plug the VCI back into the power supply. Verify that the Scan Tool version matches the update documentation.

# TROUBLESHOOTING

## Initial troubleshooting

1. Turn the vehicle off.
2. Unplug the connection device.
3. Close the ALLDATA Mobile app.
  - a. Android
    - i. Press the Recent Apps button to reveal all of the apps that are running.
    - ii. Drag the app to the side of the screen to close it.
  - b. Windows
    - i. Select the Task View icon in the Task Bar to reveal all of the apps that are running.
    - ii. Tap the X at the top right of the app you want to close.
4. Verify that the most current version of the ALLDATA Mobile app is installed and update as required.
5. Reset the tablet's Bluetooth connection:
  - a. Android
    - i. Swipe from the edge of your screen across the system status bar.
    - ii. If Bluetooth is on, tap the Bluetooth icon to disable Bluetooth.
    - iii. Tap the Bluetooth icon again to turn Bluetooth on.
  - b. Windows
    - i. Open the Action Center.
    - ii. If Bluetooth is on, tap the toggle button to disable it.
    - iii. Tap the toggle button to enable Bluetooth.

# TROUBLESHOOTING

## Problem connecting to the vehicle

1. The connection device...
  - a. is already connected to another tablet.
  - b. has not completed the startup cycle.
  - c. is not working properly.
  - d. has not been paired properly within the device Bluetooth settings.
2. The tablet...
  - a. has an outdated version of the ALLDATA mobile app installed.
  - b. has weak or no internet connection.
  - c. Bluetooth is not set up or working properly.
3. The vehicle...
  - a. ignition switch is not turned on.
  - b. engine is not running (certain vehicles only.)
  - c. OBDII port is not working properly.

## **After all troubleshooting options have been exhausted:**

Verify the connection device works on a different vehicle.

1. If the connection is successful:
  - a. The device is working properly. Retry the connection on the original vehicle.
  - b. If the connection fails a second time on the original vehicle, there may be a problem with the vehicle's OBDII connector. Vehicle troubleshooting should be completed before attempting connection again.
2. If the connection is unsuccessful:
  - a. Check out [support.alldata.com](https://support.alldata.com) or call 800-859-3282 for additional assistance.

# ALLDATA<sup>®</sup>

AUTOMOTIVE INTELLIGENCE<sup>SM</sup>

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v. 11/2017

