GTS+ account.

4.9 Untitled Slide

Notes:

If you adjust any settings here you will need to select the submit button at the bottom of the page.

As you can see, they are the same as what we saw in the "GTS+ User Configuration" menu. Whether you change them in GTS+ or TIS, the settings will follow you to each computer you might use.

Select the "Submit" button to continue.

5. Vehicle Connect

5.1 UNIT TITLE

Notes:

After completing the Vehicle Connect section, you will be able to:

- Connect to a vehicle with GTS+
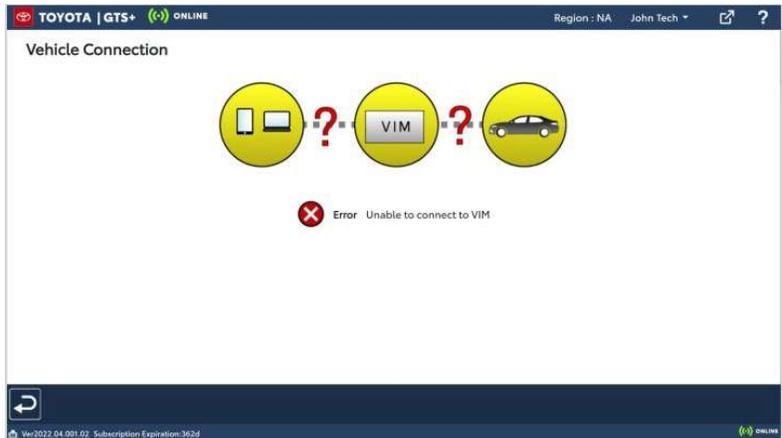
5.2 Untitled Slide

Notes:

We will review the rest of the settings in the second level of GTS+. For now, let's move to the vehicle portion of the module.

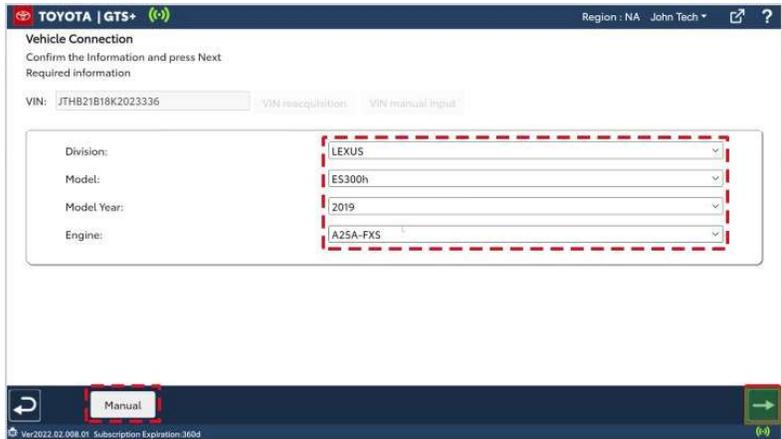To start, select "Connect to Vehicle" to continue.

5.3 Untitled Slide

Notes:

Here you will see a loading screen. If the incorrect VIM is selected or one is not plugged in, you will get an error message.

5.4 Untitled Slide
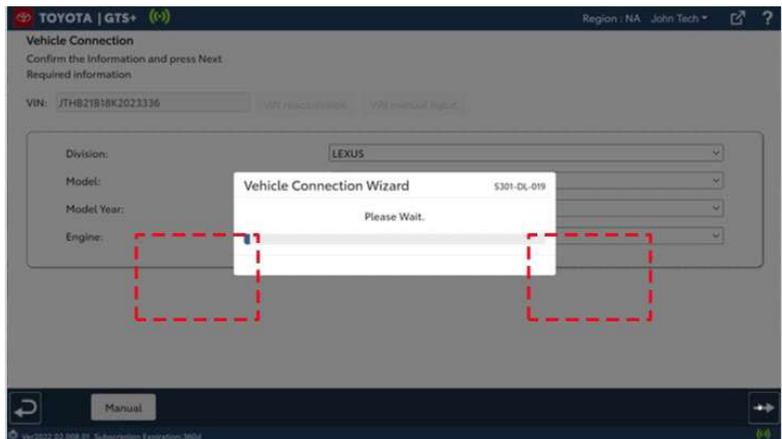

Notes:

Once VIM establishes connecting, the vehicle information should automatically populate. You may have a drop down or two to select prior to moving forward. There is also a manual mode in case the vehicle has an issue or you are connected to a non-Toyota vehicle.

This vehicle has all the settings selected so lets move on by selecting the continue arrow.

5.5 Untitled Slide

Notes:

Once you successfully connect to a vehicle you will see the main menu screen. Depending on the vehicle, you may not have access to certain options such as ECU security or PCS Freeze Frame Data Retrieval.
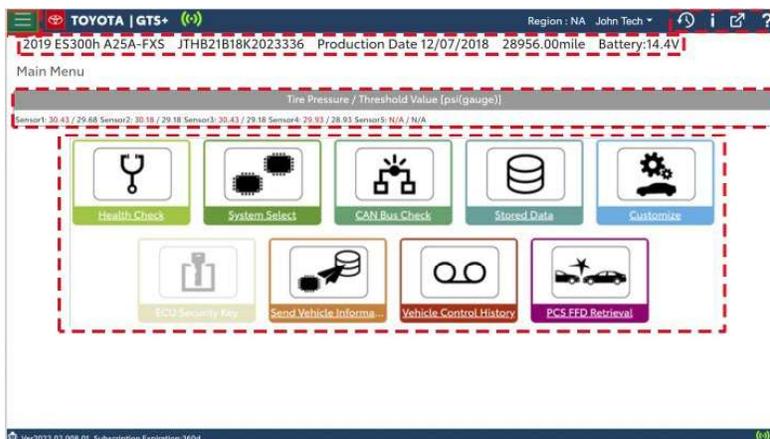
6. Main Menu

6.1 UNIT TITLE

Notes:

After completing the Main Menu section, you will be able to navigate the Main Menu.

6.2 Untitled Slide

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Notes:

Here on the main menu screen, you will see some familiar icons at the top along with some new ones. Along the top you will see general information related to the vehicle you are connected to. Below that, you will see the tire pressures and then the various functions of the scan tool software.

You will notice what is called the "Hamburger" icon in the top left. When you select this, you will see and have the ability to access the same functions shown in the main menu.

Select the Hamburger icon to continue.
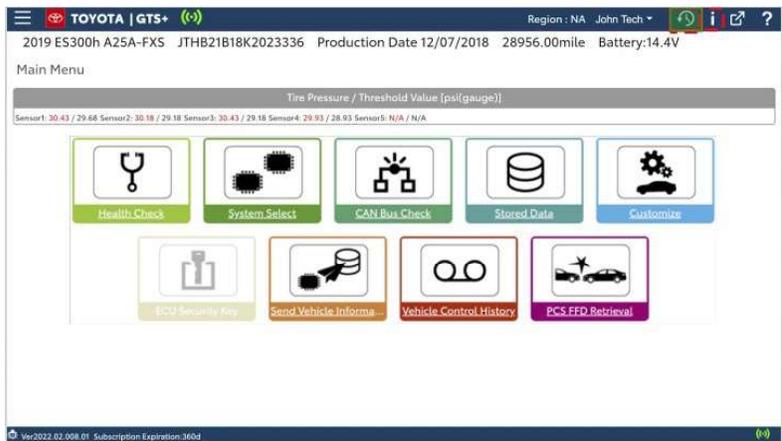
6.3 Untitled Slide
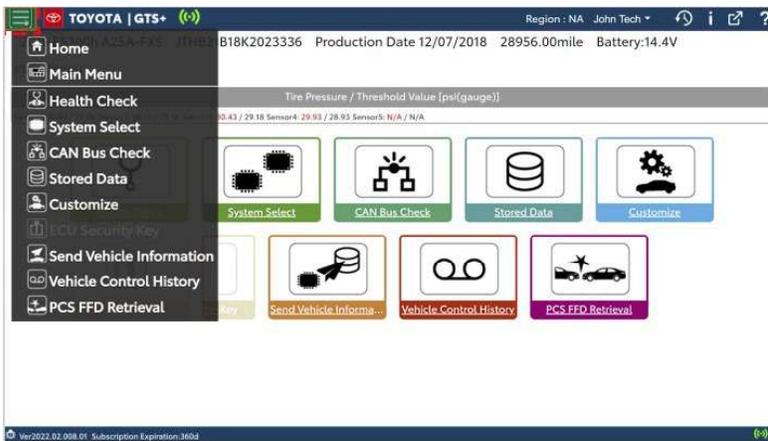
Notes:

Here you can see that the same functions shown in the main menu are found here. This will help you quickly navigate the tool when you need to move between functions.

To close this, simply select the hamburger menu again.

Close the hamburger to continue.

6.4 Untitled Slide

Notes:

Now, let's review a few of the new buttons that weren't on the upper right of the Home screen.

The first is the previous ECU button, shown as a clock and arrow icon.

Select the button now to see previous ECU's.

6.5 Untitled Slide
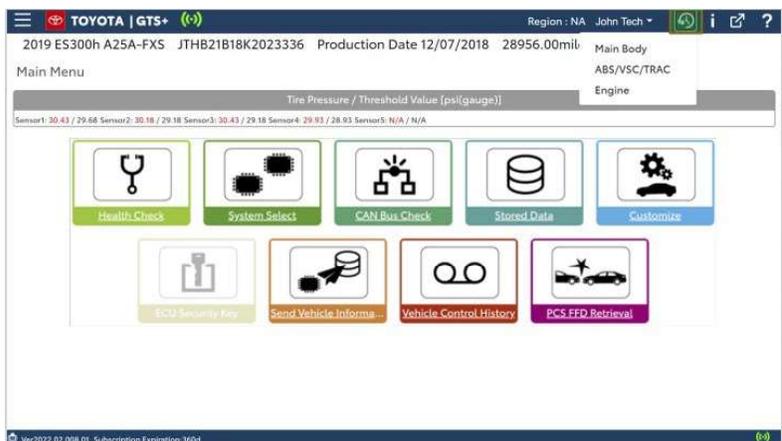
Notes:

This allows you to access previous ECU's that you have been in using the System select button. We've added a few to show as examples, but each time you close GTS+ or disconnect from a vehicle, this list will clear. To close this menu, select the icon again.

6.6 Untitled Slide

Notes:

You will notice that the Service Information pop up along with the help button from the home screen are still here at the top and operate the same as they did on the previous screen. Now that we've covered the main menu screen lets move into some of the vehicle functions. The first we will start is the Health Check!

7. Health Check

7.1 UNIT TITLE

Notes:

After completing the Health Check section, you will be able to:

- Perform A Healthcheck
- and Review healthcheck Results
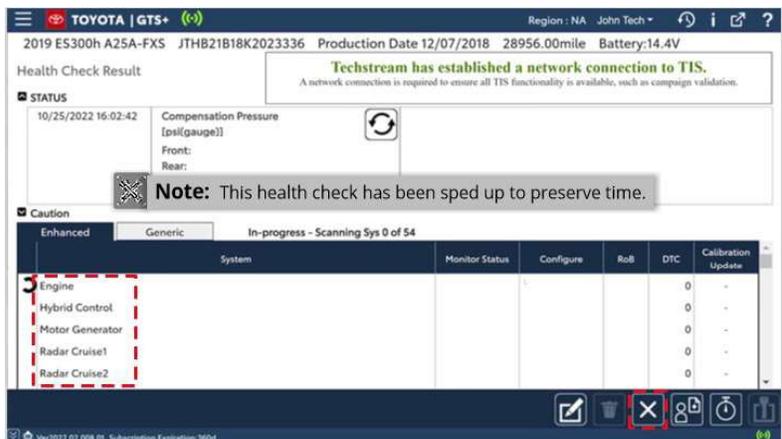
7.2 Untitled Slide

Notes:

The Health Check is a tool that scans all the ECUs in a vehicle. Rather than go into detail up front, let's move into the tool and explain what it can do as we go.

To start, select the "Health Check" button.
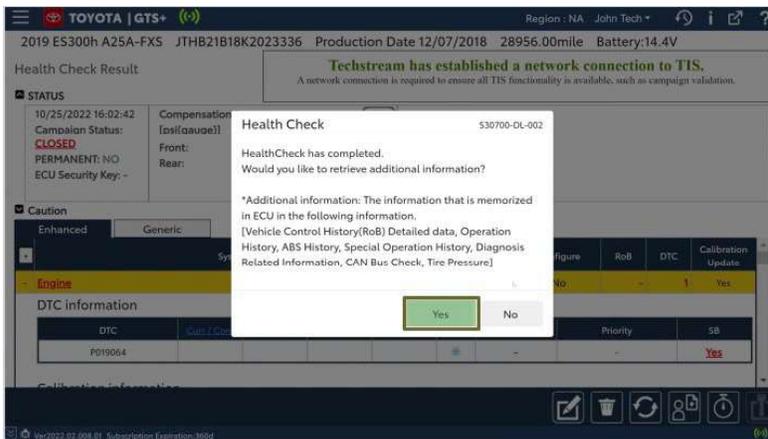
7.3 Untitled Slide

Notes:

Once you select the Health Check icon, it will start running the health check process. This allows you to view the health as it is scanning each ECU one-by-one. At any point during the health check, you can select the cancel button or access an ECU that has be scanned already by selecting the name of that ECU.

For this example we are going to jump ahead to the completed health check.

This health check has been sped up to preserve time.
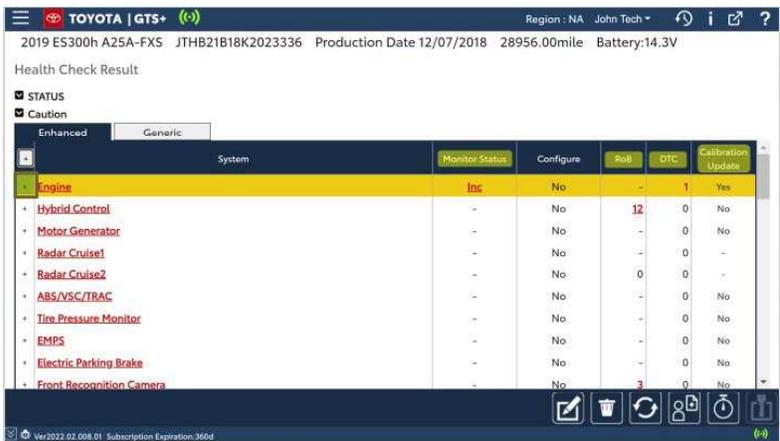
7.4 Untitled Slide

Notes:

Here you will be asked if you would like to retrieve additional information as shown in the text box. For this example, we will collect that data.

Select Yes to continue.

7.5 Untitled Slide

Notes:

Here you will see the health check summary page. Starting from the top you will have a status box. Here you will be able to see key points related to the vehicle such as Campaign status, Permanent DTC present, ECU security key and tire pressure. This is also where you will find the Tire pressure Compensation function ~~that will be covered in a later section of this module.~~

Looking below at the Caution section, you will see a summary of each ECU. If a DTC is present those ECU's will appear at the top of the list. It is here you can see the Monitor Status, R-o-B and DTC count, and if a calibration update is available.

There is also additional information you can quickly access by expanding an ECU section. Let's do that now for the engine ECU. Select the "+" button next to Engine.
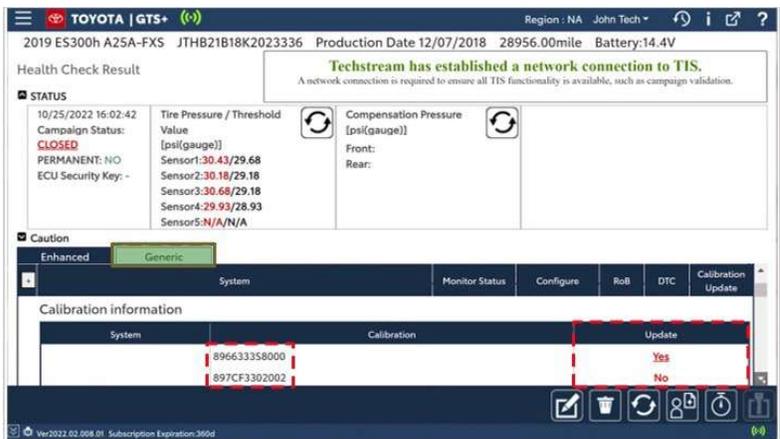
7.6 Untitled Slide
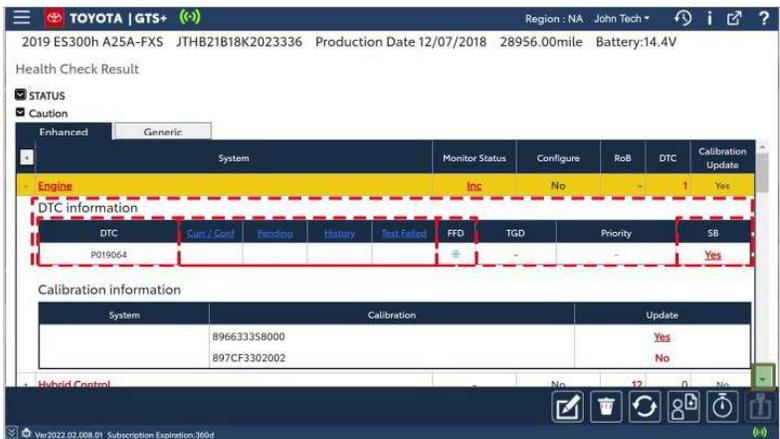
Notes:

Here you will find DTC information at the top. This will list out the specific DTC, its status, if Freeze Frame data is available, and if there is a service bulletin potentially related to that DTC.

Lets select the scroll down arrow to view other information you can find here.

7.7 Untitled Slide

Notes:

Below the DTC information you will find ECU calibration information. Here you will see the calibration number and if an update is available. This will be key when performing reflashes on ECU's.

Lets take a quick peak at the Generic tab to see what data we can find there.

Select the Generic tab to continue.
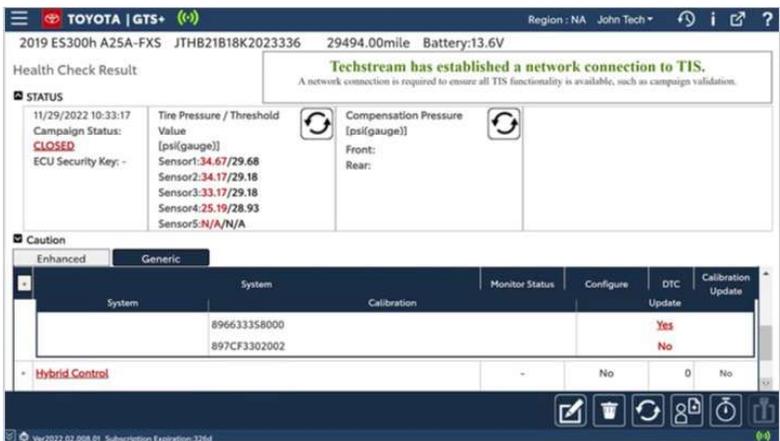
7.8 Untitled Slide

Notes:

When you select the generic tab you will see a few items missing from the Enhanced tab as well as any DTC's in the 5-digit format.

When you scroll down you will see that the calibration information is still there.

7.9 Untitled Slide

Notes:

As you can see, the information is the same here as in the enhanced tab.

Now we will scroll back up.

7.10 Untitled Slide

Notes:

One more key difference on the Generic tab is the reduced number of ECU's shown.

When we minimize this ECU list and look at the total list, we can see that the number of ECU's is reduced.

For most Toyota and Lexus brand vehicles you will be using the enhanced tab.

Now that we have covered the health check let's look at the System Select option and what information we can find there.

8. System Select

8.1 UNIT TITLE

Notes:

After completing the System select section, you will be able to:
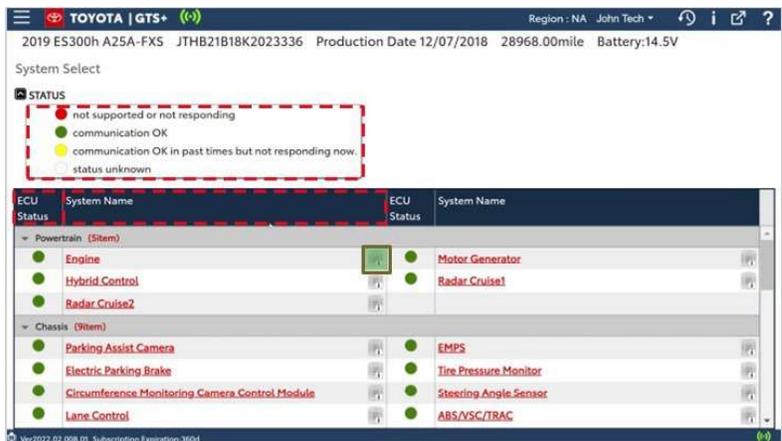
- Navigate the system select menu

8.2 Untitled Slide

Notes:

Now we will cover the "System Select" function. This is helpful when you have a specific ECU you want to access. Let's start by selecting the System Select button.
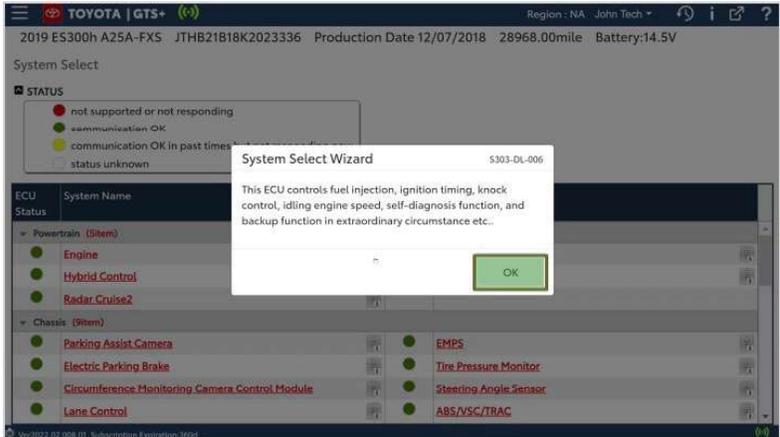
8.3 Untitled Slide

Notes:

Here on the System Select screen you will see information related to each ECU and it's connection status.

At the top, you will see a legend for the different colors you might see based on the status of the ECU.

If you want to know what an ECU does, select the information icon to the right of the ECU.

Let's try it with the "Engine" ECU. Select the "Engine" ECU Information icon to continue.
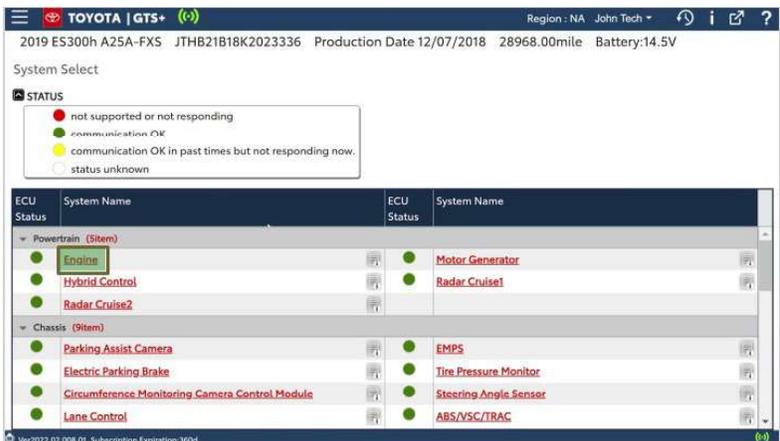
8.4 Untitled Slide

Notes:

Here you can see a general explanation on what the ECU does. Now that we've checked that, let's go into an ECU and review what you can find in an individual ECU.
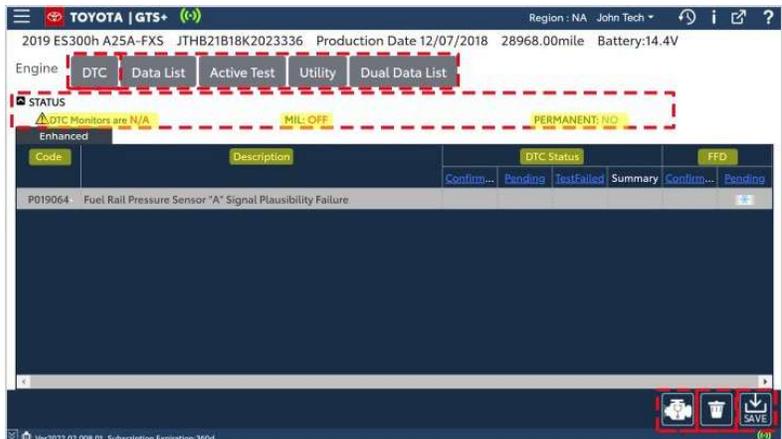
Select "OK" to continue.

8.5 Untitled Slide

Notes:

Select the Engine ECU to continue.

8.6 Untitled Slide

Notes:

Here is what it looks like when you enter an ECU. The default tab selected will the DTC tab. Other tabs can be found at the top of the screen. We will review some of these in this module and other tabs in the level 2 GTS+ module. Below that you will see the general status such as the status for DTC monitors, the malfunction indicator lamp (MIL) status and if there are any permanent DTC's set.

If we move to the bottom of the screen, you will see a few different icons. Starting from the right you have the save button that allows you to save this information on your local computer.

Next to that is the Trash Can icon that is used to clear DTC's. You will use this whenever you want to clear out all of the DTC's in a vehicle.

Next to that, there is an engine icon that is used to review the monitors of the engine ECU.

Looking at the DTC you will see the code, code description, DTC status and freeze frame data. Let's look at the freeze frame data for this code to see what is shown.

View Monitors (Slide Layer)
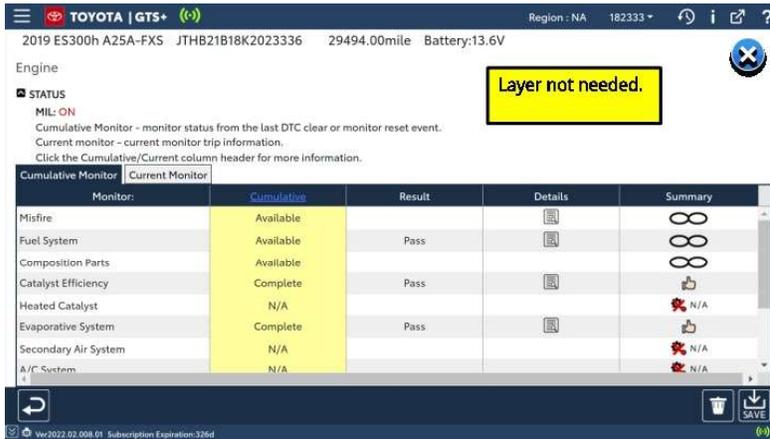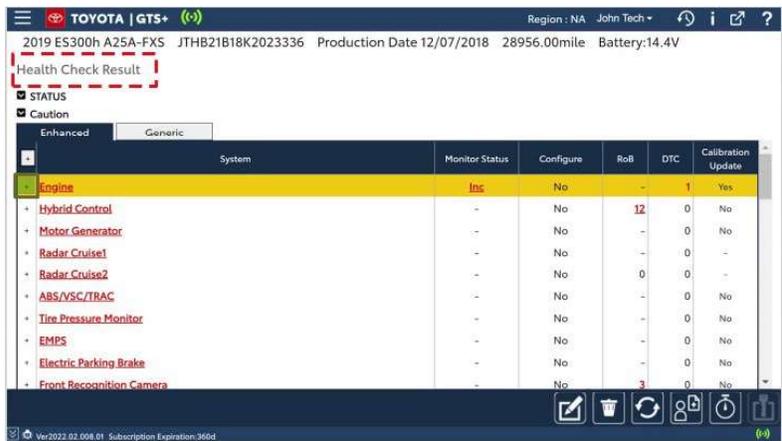

9. DTC/FFD

9.1 UNIT TITLE

Notes:

After completing the Diagnostic Trouble Code/Freeze Frame Data section, you will be able to navigate:

- DTC Information Review Post Healthcheck
- and Freeze Frame Data (FFD) Review
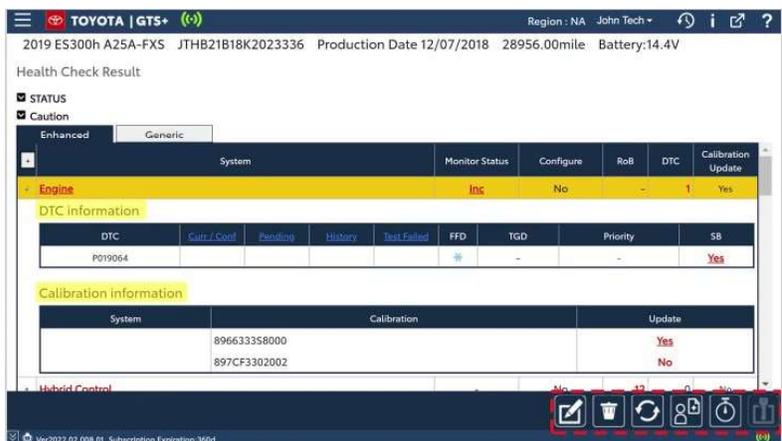
9.2 Untitled Slide

Notes:

We are going to jump back to the health check result page to review DTC and Freeze Frame Data.

Here it shows a simplified Health Check result page.

To start our review, select the Plus icon to expand the health check menu for "Engine".
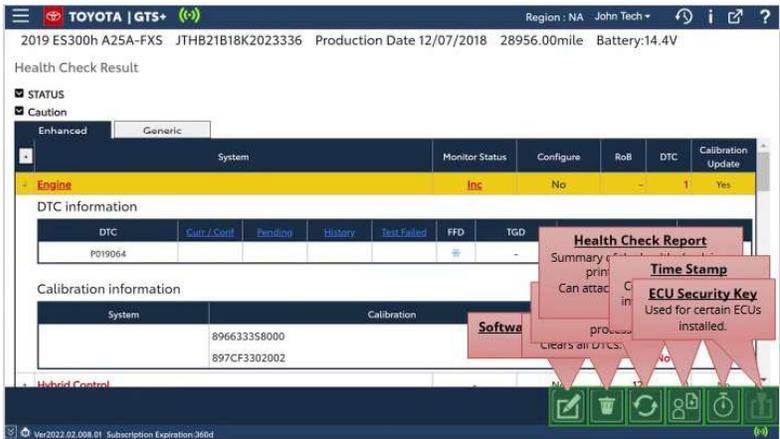
9.3 Untitled Slide

Notes:

Here you can see DTC information and calibration information that was covered in the health check portion of this module. Let's do a deeper dive into what you can do on this screen. Looking at the bottom of the page, we will describe each icon to see what it does.

9.4 Untitled Slide

Notes:

Starting from the left, we have the software as a part button. This button is used to (need function details).

Next we have the clear DTC button. This button is used to clear all DTCs.

Next there is the refresh health check which will re-run the health check process.

Next to the refresh health check button is the Health check report button. This is used to summarize the health check in a printable document that can be attached to the RO or shared with the customer. (need pop up)

To the right of the health check report button is the time stamp button. This will collect the time stamp information for each DTC stored.

And finally, there is the ECU security Key button. This is used for certain ECU's being installed into the vehicle. We will cover this in the second level GTS+ module.
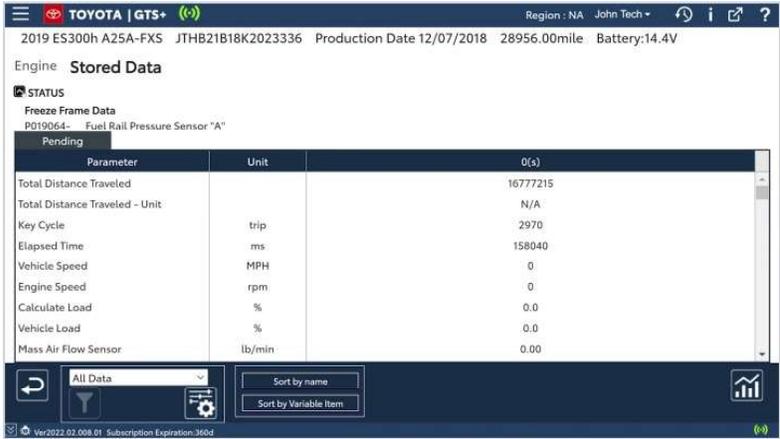
9.5 Untitled Slide
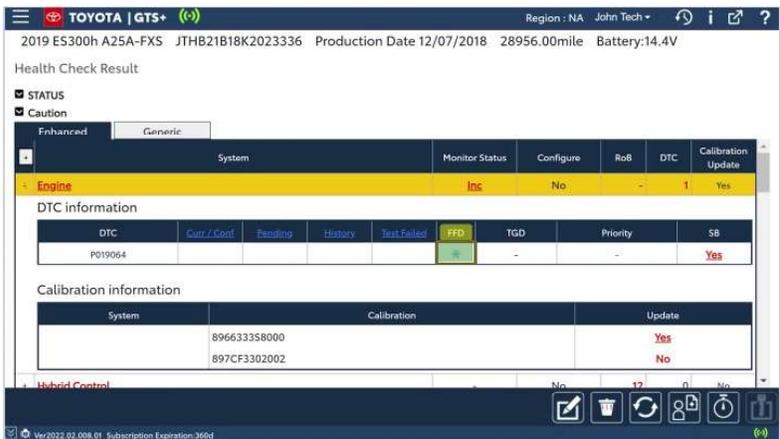
Notes:

Let's now explore the Freeze Frame data menu.

Select the snowflake icon to view Freeze frame data for the DTC stored.
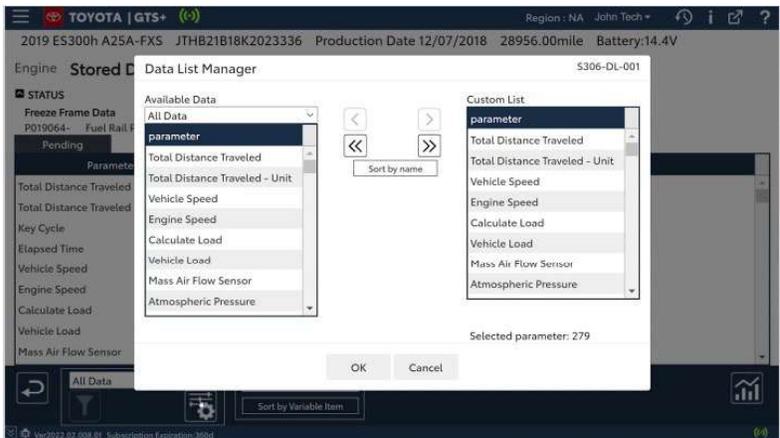
9.6 Untitled Slide

Notes:

Here in the freeze frame data menu you will see data PID's that were recorded at, or around the time the DTC was recorded. The amount of data will vary depending on the DTC. For this example, we have a DTC that only recorded data at the time the DTC was set.

Starting from the top, there is the status section, when expanded this will show the specific DTC you are reviewing.

9.7 Untitled Slide

Notes:

Moving to the bottom of the page, on the left side there is the data manager menu. This menu allows you to display certain data lists, filter data and sort. We will cover this in more detail in the data list portion of this module.
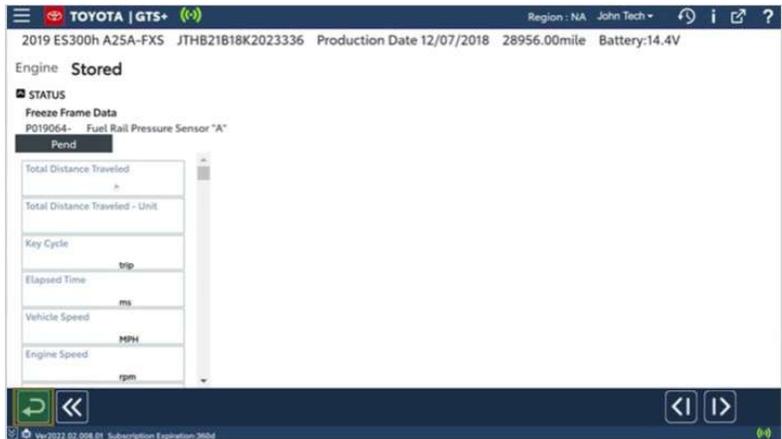
9.8 Untitled Slide

Notes:

Finally on the bottom right of the page is the graph button.

Select it to open the graph menu.

Layer1

The graphing page will allow you to graph out data PIDs you choose by dragging various PIDs to the open space. This will be covered in more detail in the next GTS+ module.

9.9 Untitled Slide

Notes:

Select the back button to return to the Freeze frame data screen.

9.10 Untitled Slide

Notes:

This covers the Health Check DTC and Freeze Frame Data menu. The next section will briefly cover the DTC menu when accessing a specific ECU.
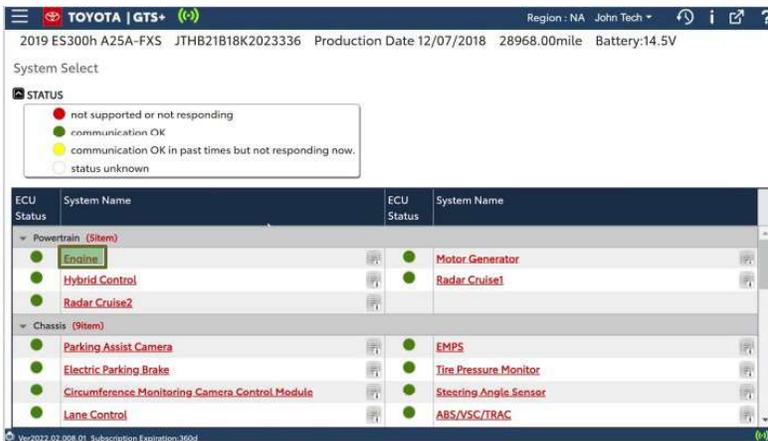
10. DTC

10.1 UNIT TITLE

Notes:

After completing the Diagnostic Trouble codes section, you will be able to:

- Navigate System Select DTC Menu
- and Clear Codes

10.2 Untitled Slide

Notes:

Starting from the system select menu, we will access the engine ECU.

Select the engine ECU to continue.