

## Test Installations On Your Own

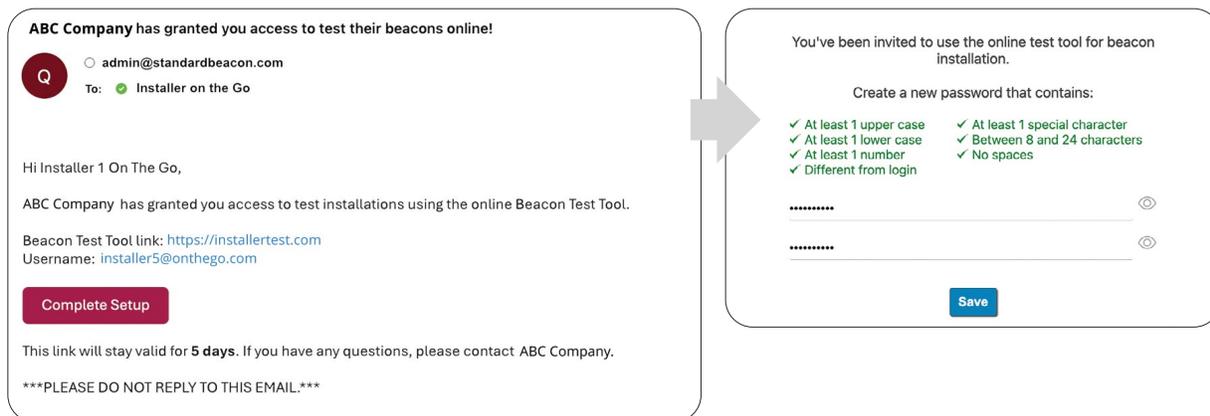
You can now test your installation and the functionality of various devices, such as beacons and fixed collectors, through an easy-to-use web app at <https://installertest.com>.

### Setup Access

Vecima Portal Administrators will grant you access to test your device installations. You might have one of the following options:

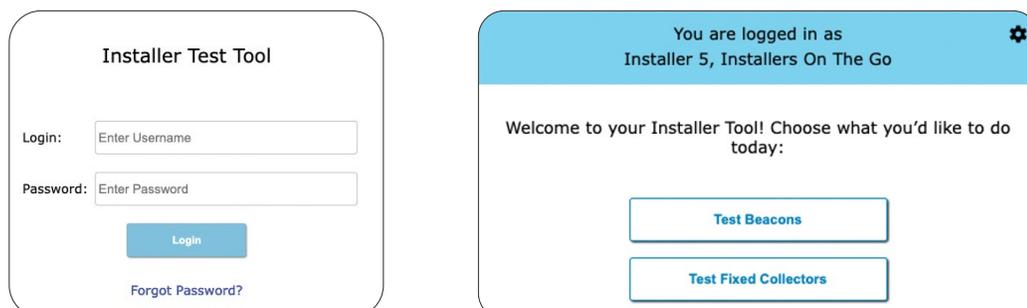
- Beacons and fixed collectors
- Beacons only
- Fixed collectors only

1. You will receive an email invitation from **support.telematics@vecima.com** to create a password for your login with the subject line: <Company> has granted you access to test their beacons online!  
**Note:** You may need to check your junk or spam folders.
2. Follow the instructions to complete setup and create your password. Once complete, you'll receive a second email confirming your account is ready.



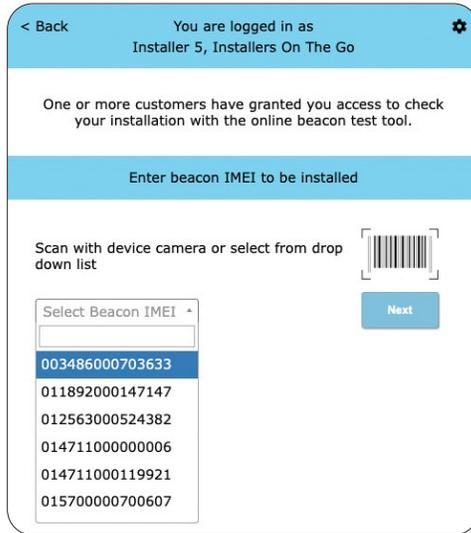
### Login to the Test Tool

1. Use your email and password to log in to the test tool: <https://installertest.com>.
  - a. If you are given access to test both beacons and fixed collectors, choose which device to test after login.
  - b. If you are given access to test only beacons or only fixed collectors, you will not see this screen. You'll go straight to the next step.

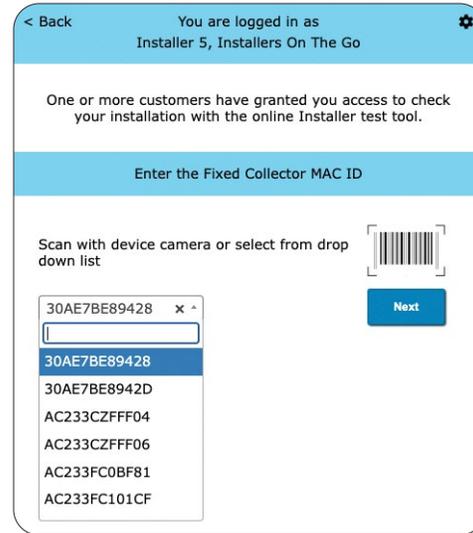


# How to Use the Installer Test Tool

- Select the beacon IMEI or fixed collector MAC ID that you are installing, either by using the barcode scanner (see next section) or by selecting the device from the drop-down list. The smart filter allows you to type any part of the beacon IMEI or fixed collector MAC ID to narrow the list.



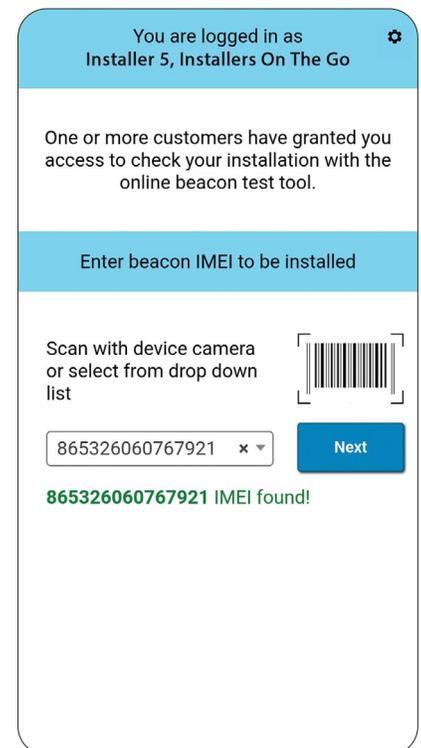
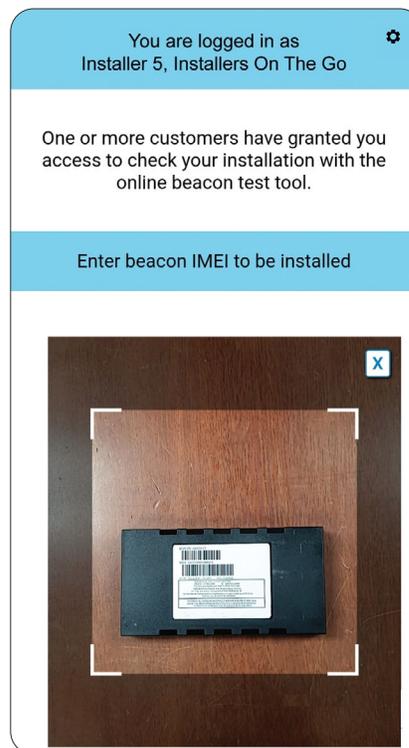
Select the beacon IMEI that will be installed in your vehicle.



Select the Mac ID for the fixed collector that will be installed into your building/warehouse.

To use the barcode/QR code scanner:

- **Click on the barcode image** 
- The tool will use your camera to scan the device. Ensure that you enable camera permissions so it can be used.
- Point the scanner toward the device. The scanner will detect the barcode IMEI or MAC ID on the device.



# How to Use the Installer Test Tool

**Important:** Beacons might have more than one barcode. If you see an error message indicating that the beacon doesn't exist, it's possible the scanner detected a different barcode. You can choose to either:

- Cover the barcodes that are not the IMEI and re-scan.
- Start typing the IMEI in the search box. The list will filter so you can select the device you will be testing, and click "Next".

You are logged in as ⚙️  
 Installer 5, Installers On The Go

One or more customers have granted you access to check your installation with the online beacon test tool.

Enter beacon IMEI to be installed

Scan with device camera or select from drop down list

Select beacon IMEI ▾

Next

000041025340 is not on the list. For labels with multiple codes, cover non-IMEI codes and re-scan, or try typing the IMEI in the search box.

You are logged in as ⚙️  
 Installer 5, Installers On The Go

One or more customers have granted you access to check your installation with the online beacon test tool.

Enter beacon IMEI to be installed



## Testing Beacons

3. You will see the Company and Vehicle the beacon is assigned to.
  - If you need to test a different beacon, click "Cancel, select a different beacon".
  - If you need to change the vehicle's name, click "Rename vehicle". Follow the prompts and you will receive a confirmation when you have renamed the vehicle successfully.
  - Note: this information will be reflected in the vehicle's Beacon Notes on the portal.
  - If the information corresponds to the beacon you are testing, click "Continue to beacon test".

You are logged in as ⚙️  
 Installer 5, Installers On The Go

Beacon 014711000000006

This beacon is registered with the following information

Company:

Vehicle:

Cancel, select different beacon

Rename vehicle

Continue to beacon test

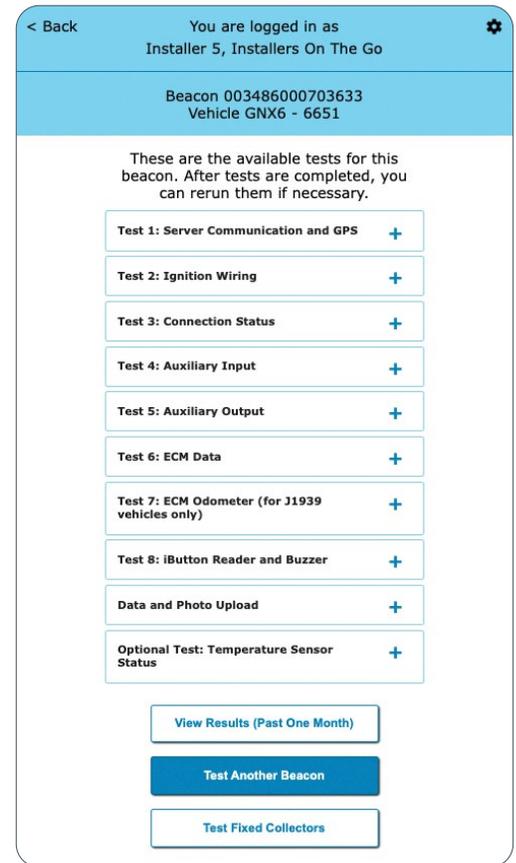
Vehicle Name was renamed successfully.

# How to Use the Installer Test Tool

4. Different beacons support different features, and the available tests are based on the Beacon Model associated to the IMEI. To start a test, click on the + sign to expand the test. Follow the instructions onscreen. Each test will provide feedback.

For more details on the tests, see section “Available Beacon Tests”.

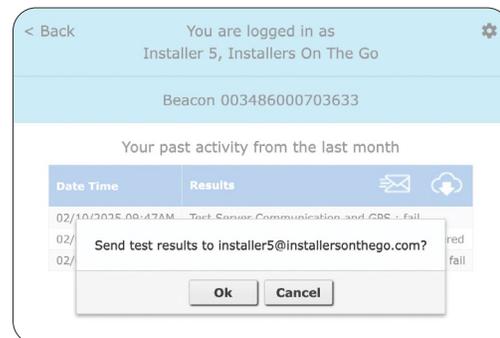
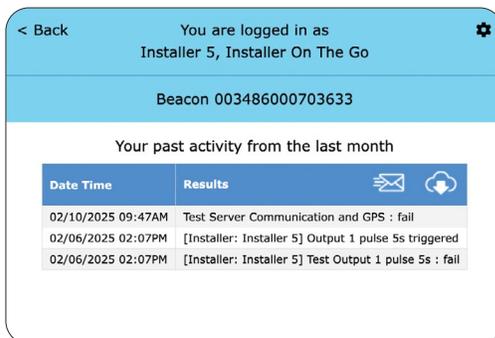
*Reminder: The beacon IMEI and Vehicle Name will appear in the header so you can confirm you are working on the correct install.*



Tests will vary by beacon model. Example tests for a 6651 beacon.

5. Once you finish your beacon installation tests, you can do any of the following:

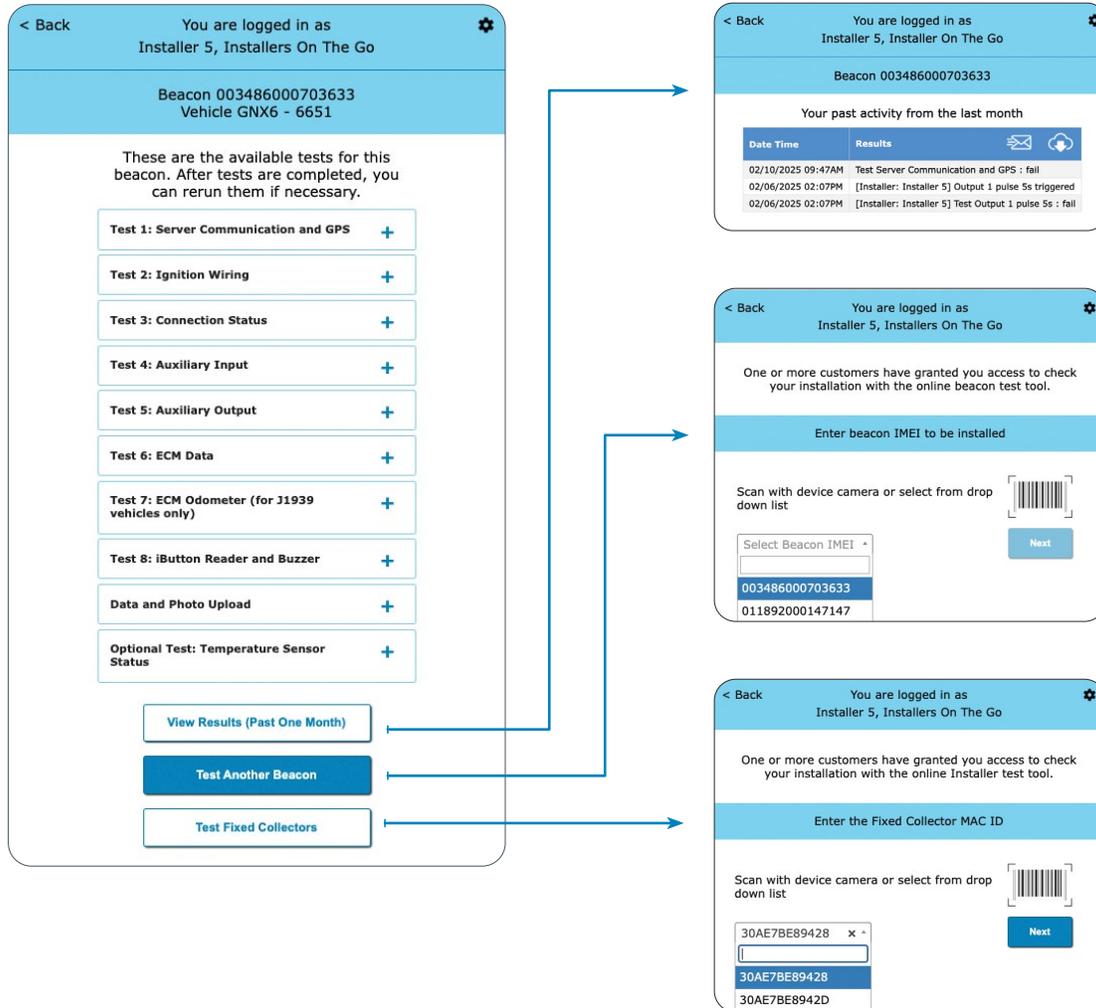
- **View Results (Past One Month):** view all activity you have logged against this beacon in the past month. If needed, you can send the test results to the email used to log in or download a .csv file to your device.



- **Test Another Beacon:** return to **Step 2** to select the next device that you are installing
- **Test Fixed collectors:** (if you are provided access) you'll be redirected to select the MAC ID of the next device that you are installing. Refer to **Step 2** to use the QR code scanner or select from the dropdown.

# How to Use the Installer Test Tool

Below is a visual guide to where the buttons will take you.



## Available Beacon Test

The following pages briefly describe the tests that may be available for your beacon based on the beacon model associated to the IMEI

If you have any questions or comments, please contact [support.telematics@vecima.com](mailto:support.telematics@vecima.com) or call **1.866.477.1767**.

### Important

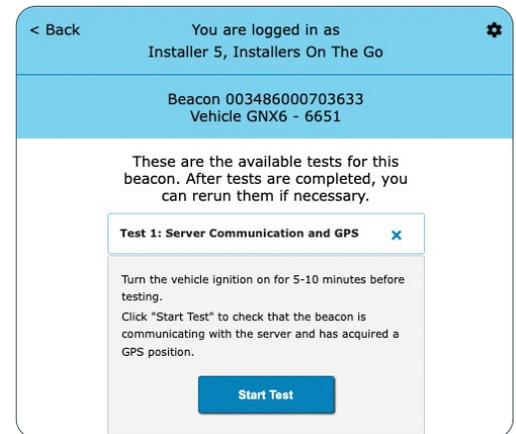
Depending on the device, the initial setup for the test may take longer to process. If the test fails after 5-10 minutes, wait another 20 minutes with the ignition on and rerun the test.

## Server Communications and GPS

The first test checks the communication path between the beacon and the Nero server.

The beacon will acquire a GPS location and send the data to the server.

Run this test for every installation.

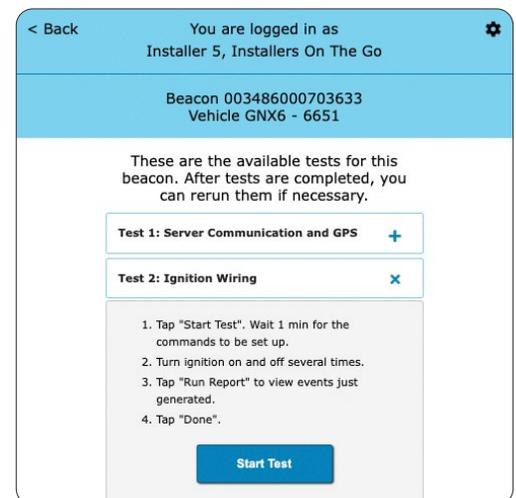


## Ignition Detection

Accurate Ignition events are important to ensure correct vehicle data is being reported to the server.

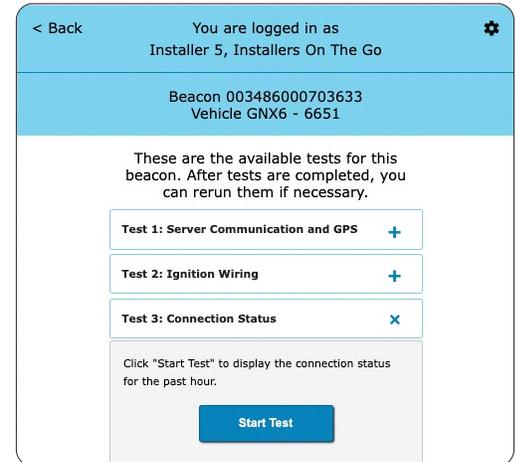
This test verifies that both Ignition On and Ignition Off events are being properly generated by the beacon.

Run this test for every installation.



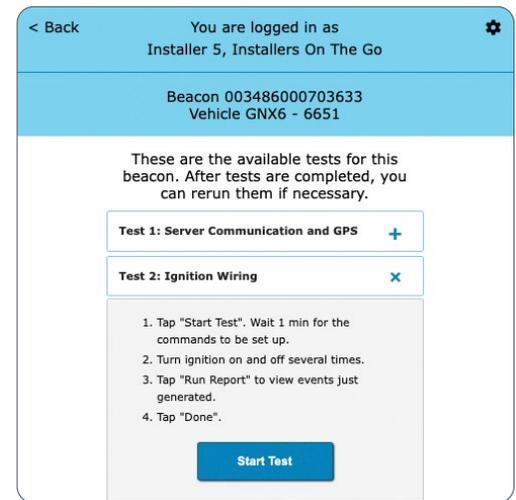
### Connection Status

This test verifies that the beacon is maintaining its connection to the server.  
Run this test for every installation.



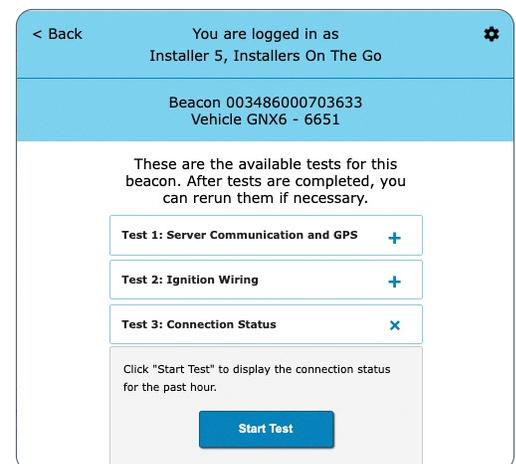
### Auxiliary Input (Optional)

This test verifies Inputs that have been wired to the beacon. Each Input will be triggered during the test, and the results reported on screen.  
Ignore this test if Inputs are not used.



### Auxiliary Output (Optional)

This test verifies Outputs that have been wired to the beacon and operating correctly. You can verify each pulse or toggle Output separately.  
Ignore this test if Outputs are not used.



## ECM Data

For installations where the beacon is connected directly to the ECM data feed via a diagnostics port, this test verifies that the correct data is being received from the engine control module ("ECM").

As part of the test, the installer must select the Cable Type that was installed with the beacon. The following options are available:

- OBDII
- J1708
- Black (Type 1)
- Green (Type 2)
- Green (Type 2) with adapter
- RP 1226

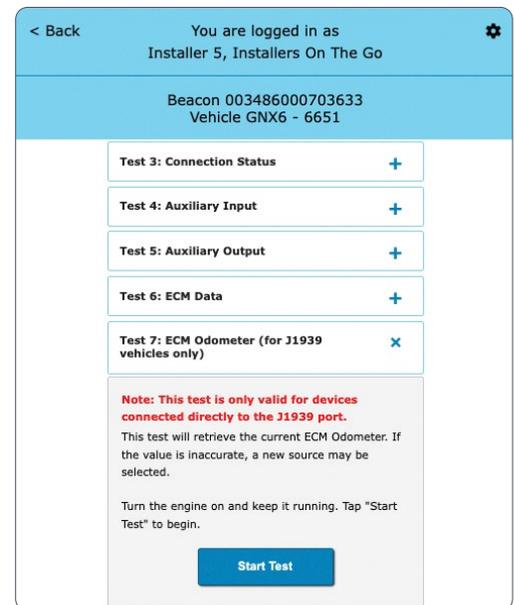
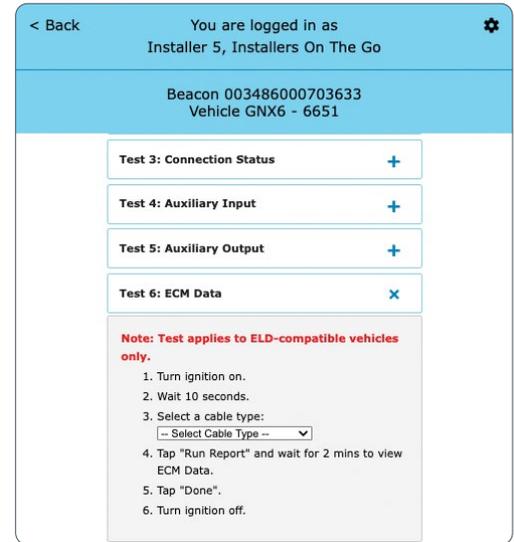
Run this test for every installation that connects to the ECM.

Ignore this test for hardwired installs.

## ECM Odometer (Optional, for J1939 vehicles only)

For beacons connected to a J1939 port, this test reads the current Odometer from the ECM for comparison against the dashboard value. If the value is inaccurate, alternate sources for ECM Odometer may be selected.

Ignore this test for any non-J1939 vehicles or hardwired installs.

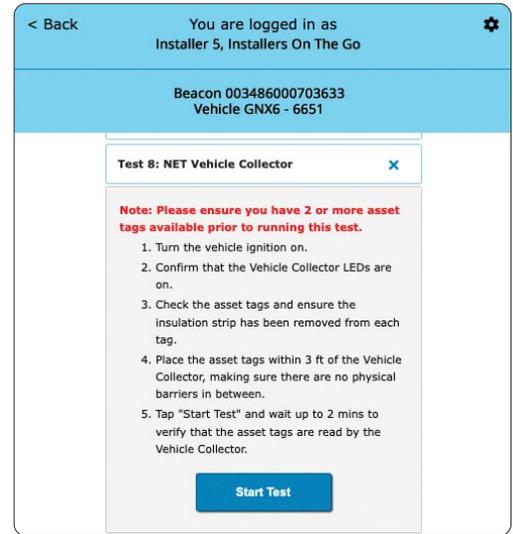


## Net Vehicle Collector

NET customers will have the option of testing a Vehicle Collector device when it is installed and connected to the beacon.

When the test is run, the Vehicle Collector will scan nearby asset tags, and transmit the data to the system.

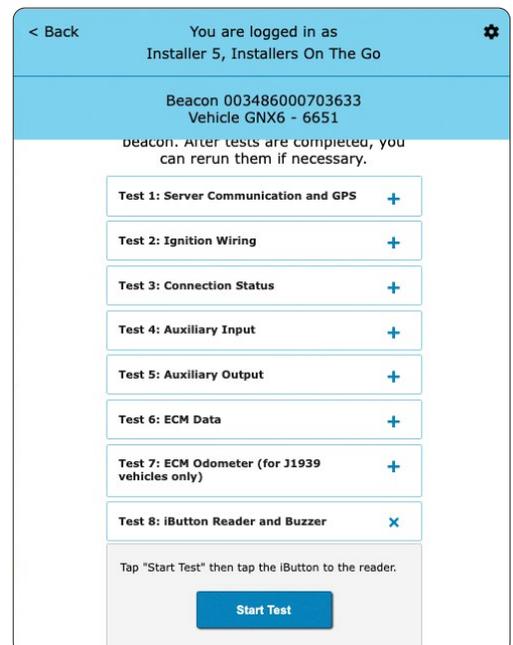
**Important:** To complete this test, there must be two or more active Asset Tags near the Vehicle Collector to detect.



## iButton Reader and Buzzer (Optional)

This test verifies the operation of the Driver ID hardware.

Ignore this test If Driver ID is not in use (i.e. the iButton Reader and warning buzzer have not been installed).



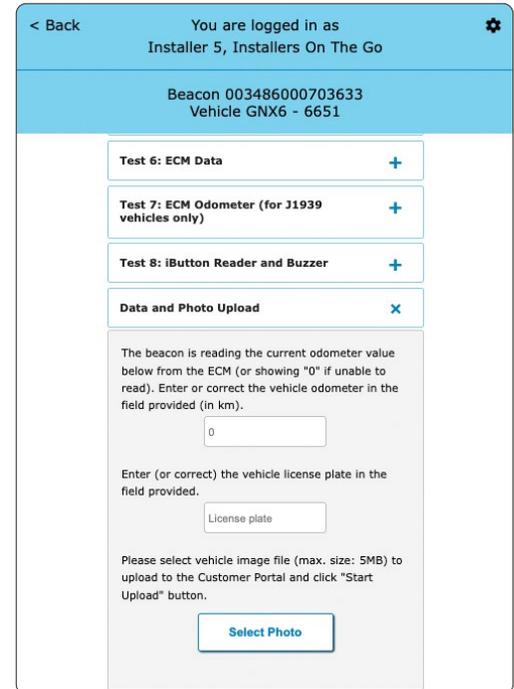
## Data Upload

The Data Upload feature of the test tool allows the installer to update and add information that will appear in the Vecima Portal.

Installers can:

- Synchronize the vehicle odometer
- Enter or correct the vehicle license plate
- Upload pictures to the portal. It is recommended to take pictures of the installation, and each side of the vehicle.

**Please note:** Beacons configured to use GPS odometer (as opposed to odometer read from the ECM) will display 0 in the odometer field by default. In this case, **enter the dashboard value** to synchronize the odometer.



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Beacon 003486000703633  
Vehicle GNX6 - 6651

Test 6: ECM Data +

Test 7: ECM Odometer (for J1939 vehicles only) +

Test 8: iButton Reader and Buzzer +

Data and Photo Upload x

The beacon is reading the current odometer value below from the ECM (or showing "0" if unable to read). Enter or correct the vehicle odometer in the field provided (in km).

0

Enter (or correct) the vehicle license plate in the field provided.

License plate

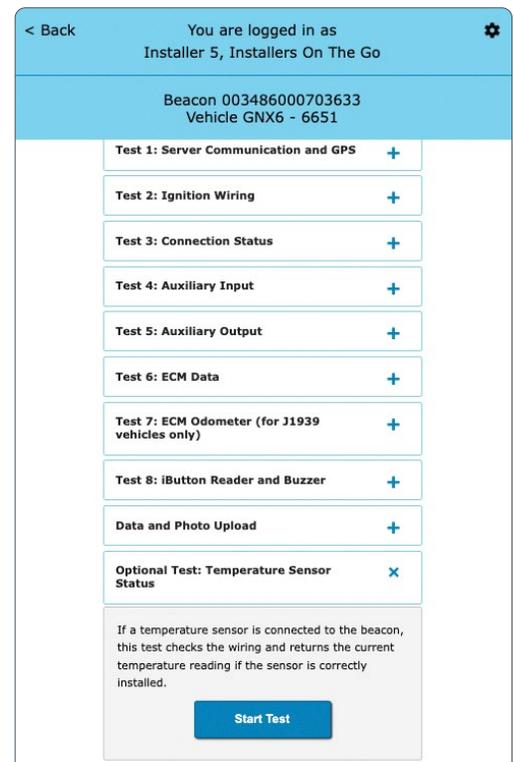
Please select vehicle image file (max. size: 5MB) to upload to the Customer Portal and click "Start Upload" button.

Select Photo

## Temperature Sensor Status (Optional)

Some beacons may be installed with one or more 1-Wire Temperature Sensors, which monitor temperature readings in compartments on the truck or connected trailer. This test verifies the operation of the temperature sensors.

Ignore this test if Temperature Sensors are not used.



< Back You are logged in as Installer 5, Installers On The Go

Beacon 003486000703633  
Vehicle GNX6 - 6651

Test 1: Server Communication and GPS +

Test 2: Ignition Wiring +

Test 3: Connection Status +

Test 4: Auxiliary Input +

Test 5: Auxiliary Output +

Test 6: ECM Data +

Test 7: ECM Odometer (for J1939 vehicles only) +

Test 8: iButton Reader and Buzzer +

Data and Photo Upload +

Optional Test: Temperature Sensor Status x

If a temperature sensor is connected to the beacon, this test checks the wiring and returns the current temperature reading if the sensor is correctly installed.

Start Test

## Testing Fixed Collectors

NET customers can test a Fixed Collector device when it is installed in their warehouse or building.

After you select the fixed collector MAC ID, you will have the following test available.

**Important:** To complete this test, there must be one or more active Asset Tags nearby for the Fixed Collector to detect.



E8-Tag

E9-Tag

These are the available tests for this Fixed Collector. After tests are completed, you can rerun them if necessary.

**Test 1: NET Fixed Collector (FX-4.0.0-C)** X

**Note: Please ensure that 1 or more tags are located near the Fixed Collector.**

1. Confirm that the Fixed Collector is plugged in.
2. The green power LED will remain solid when the device is connected and the red cellular LED stops flashing once the device is started and ready for use.
3. Click "Start test" and wait up to 3 minutes to verify that the asset tags are read by the Fixed Collector.
4. Click "Done".

Start Test

View Results (Past One Month)

Test Another Fixed Collector

Test Beacons

## Celular Fixed Collector Test

**Note: Please ensure that 1 or more tags are located near the Fixed Collector.**

1. Confirm that the Fixed Collector is plugged in.
2. The green power LED will remain solid when the device is connected and the red cellular LED stops flashing once the device is started and ready for use.
3. Click "Start test" and wait up to 3 minutes to verify that the asset tags are read by the Fixed Collector.
4. Click "Done".



Cellular Fixed Collector  
(FX-4.x.x-C)

## Wi-Fi Fixed Collector Test

**Note: Please ensure that 1 or more tags are located near the Fixed Collector.**

1. Confirm that the Fixed Collector is plugged in and is located within the Wi-Fi range.
2. The device is working properly if the lights change from blue to red to purple to green. If there are no lights or rainbow lights, please contact Vecima Support.
3. Click "Start Test" and wait up to 3 minutes to verify that the asset tags are read by the Fixed Collector.
4. Click "Done".



Wifi Fixed Collector  
(FX-3.x.x)

### Wi-Fi Fixed Collector - LAN configured Test

**Note:** Please ensure that 1 or more tags are located near the Fixed Collector.

1. Confirm that the Fixed Collector is plugged into power and the LAN cable is securely connected.
2. The device is working properly if the lights change from blue to red to purple to green. If there are no lights or rainbow lights, please contact Vecima Support.
3. Click "Start Test" and wait up to 3 minutes to verify that the asset tags are read by the Fixed Collector.
4. Click "Done".



*Wifi Fixed Collector with LAN  
(FX-3.x.x-L, where the L denotes LAN configuration)*

Go to the gear icon to log out of the installer test tool.

