**ECU PROGRAMMING INSTRUCTIONS**

**Updating the Sentinel ECU**

1. Make sure that the PCAN programming adapter is plugged into the USB on your computer. Be sure the Sentinel ECU is powered on (2 green lights by harness connector).



1. Find the **Program** Connector on the ECU Harness. It is a 4 pin Deutsch connector.
2. Connect the programming adapter cable (212-02-3579Y1) between the PCAN USB adapter and **Program** connector on the ECU Harness



1. Extract the “ECU Updater.zip” file previously downloaded.
2. Within the extracted “ECU Updater” folder, double click “ECU Updater.exe”. (Note: If the program does not open, see “App Verification” below.)
3. If you have not previously installed the necessary CAN drivers, you will be prompted to do so. The installer program should automatically launch and a pop-up will display the instructions. (If it does not automatically launch, start it by double clicking pcan-usb\PeakOemDrv.exe within the “ECU Updater” folder.) To verify the driver installed properly, the red led should be lit on the PCAN adapter. Press the Windows key and type “Device Manager”, clicking the program. The PCAN adapter should show up in the list of devices as seen below:

A screenshot of a computer

Description automatically generated

1. In the ECU-Updater program, click the Select File button and choose the file to be loaded on the ECU. The file will end in .syde\_sup. (Note: If the path to the file contains a space, you will be prompted to move it.)
2. Click the Update button.
3. When finished, a pop-up will indicate “Controller Successfully Updated”.

**App Verification**

If the program fails to open, it typically caused by one of two Windows safety features. The solution to each is explained below.

1. Unrecognized App: In this scenario, the pop-up shown below will be displayed. Click on “More info” (outlined in red) and then click “Run anyway”.



1. Microsoft-verified: To fix this, first click “Change my app recommendation settings” (outlined in red)



Then in the opened window, change the setting show below to Anywhere.

