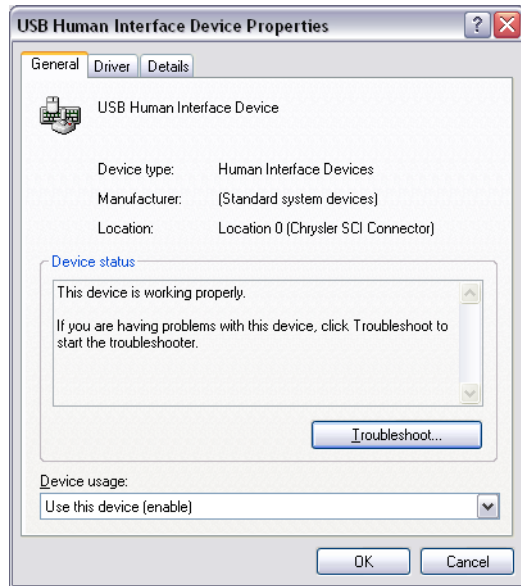


*Properties.* Examine the General tab to verify that the Location matches the sample below:



### 3. My AutoEnginuity serial version of the AutoEnginuity Enhanced Interface has power, but it is not working.

The serial AutoEnginuity Enhanced Interface can not be operated through a USB-to-serial adaptor. If you are using one, please remove it and use a computer with a serial interface.

Finally, the AutoEnginuity ScanTool software will only search for the AutoEnginuity Enhanced Interface on COM ports 1-9. If you need to change the COM Port, please right-click *My Computer*. Select *Properties*. Click the *Hardware* tab. Finally, click the *Device Manager* button. Under *Port* look for an entry called AutoEnginuity Enhanced Interface. Right-click on it and select *Properties*. Finally, select the *Advanced* button on the lower-right of the window. Select a COM port that is not in use and is between 1 and 9. Close the windows by clicking *OK* and reattempting the connection.

### 4. After starting the vehicle the connection is lost or the live data reports all zeros.

The AutoEnginuity Enhanced Interface draws power from the vehicle. In the case that the data link communication line is electrically spiked or power to the data link connector is disturbed, the connection can be lost. In this case, please connect to the vehicle in the KOER state.

# Enhanced GM User Guide

**READ ME FIRST!**

## Check Your Package Contents

Your AutoEnginuity GM with CAN D package should contain:

- 1 x AutoEnginuity Enhanced Interface hardware
- 1 x 6ft Mini-USB cable

**NOTE:** If *any* of the above items are missing, please contact your reseller

## Before Getting Started

Enhanced GM with CAN D will allow you to access new proprietary CAN systems not available with our software-only enhanced GM software. The enhanced GM with CAN D option is an add-on to the AutoEnginuity ScanTool. To offer this support, the AutoEnginuity Enhanced Interface hardware utilizes a proprietary GM CAN dual-wire electrical interface called "CAN D". Because of the electrical requirements, we were required to put CAN dual-wire on separate hardware from the OBD-II hardware interface.

Use the AutoEnginuity Enhanced Interface hardware for all CAN engine and transmission systems only. Please use the OBD-II hardware interface for all body and chassis controllers.

Check to make sure that your ScanTool program is already properly installed and that the enhanced option(s) are activated. Please see your ScanTool User Guide for instructions if necessary.

# Connecting to the Vehicle

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**WARNING: DO NOT USE A POWER INVERTER WITHOUT AN "ISOLATED GROUND" WITH ANY USB PRODUCT CONNECTED TO YOUR VEHICLE. A GROUND LOOP MAY OCCUR**

1. Start the ScanTool software.
2. Connect the AutoEnginuity Enhanced Interface to the computing device. (No devices drivers are necessary as this device is Plug and Play. Your operating system will provide this support.)
3. Connect the AutoEnginuity Enhanced Interface to your vehicle's DLC. (See your *ScanTool User Guide* if you need help finding the DLC location.)
4. Check the lights on the back of the AutoEnginuity Enhanced Interface for correct operation. A red led is that power is sufficient to operate the hardware interface. The amber/yellow led is used to determine if the hardware interface has successfully enumerated with your operating system. Finally, the green led signifies an exchange of data between the hardware interface and the computing device.
5. The ScanTool will now connect to the vehicle. If you do not see the connection screen, press F2 or select *Vehicle / Connect*.
6. Once connected to the vehicle, the ScanTool will require you to select the vehicle model information. Selecting this information correctly is very important to obtaining reliable data. If the vehicle's VIN is decoded, this information should already be set for you. Even so, it is imperative that you verify all of the selections in case the VIN can't be completely decoded.
7. Select your system. By default the system selected is Enhanced Powertrain.
8. Click *OK* once the vehicle model information and the system are selected.
9. The connection phase will finalize by retrieving the trouble codes from all of the vehicle systems present. This can take up to 30 seconds.
10. Congratulations, you are now connected to your GM vehicle!

**WARNING: DO NOT ACTUATE ANY COMPONENT OR RUN ANY TEST WITHOUT FOLLOWING GM'S DOCUMENTED PROCEDURES. AUTOENGINUITY IS NOT LIABLE FOR THE IMPROPER ACTUATION OF COMPONENTS OR TESTS.**

## Common Problems

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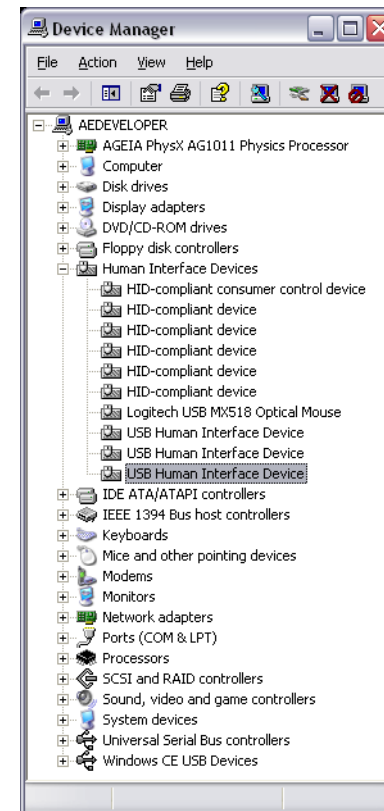
### 1. I select body and chassis controllers but they fail to operate.

The AE Enhanced interface hardware should not be used for non-CAN controllers at this time. We will be soon upgrading the hardware support to allow for this. But currently, you require the OBD-II hardware for these controllers.

### 2. My AutoEnginuity USB version of the AutoEnginuity Enhanced Interface has power, but it is not working.

Make sure that you are using version 6.0 or later of the ScanTool software. To determine the version of the software you are using, go to *Help / About* in the ScanTool software. If the software is at least 6.0, check to make sure that the USB AutoEnginuity Enhanced Interface is enumerating on your computing device. You can do this by checking your Device Manager using the following steps:

Right-click *My Computer*. Select *Properties*. Click the *Hardware* tab. Finally, click the *Device Manager* button. Under *Human Interface Devices* look for an entry called *USB Human Interface Device*.



If you don't see it there, please reconnect to the vehicle and try again. If you see multiple HID entries you can verify which one is the AutoEnginuity Enhanced Interface by unplugging and plugging into the computing device while watching for an entry being added or removed. Also, you can right-click on an HID entry and select