

Common Problems

1. I am having trouble on an earlier model with the 38pin interface not connecting.

First, verify that the system you are accessing is equipped on the vehicle. Typically, the earlier the model, the smaller amount of systems. Also, in the case of the EGS controllers, they didn't have electrical interfaces until DAS3 (98+) models. Finally, if you are sure of the system's availability and no system will connect, verify that the fuse for the DAS interface is not blown. It's usually a 7Amp fuse. If that's blown, then no connectivity for any system will be available.

2. I am having trouble connecting to a late model vehicle.

For general connectivity with any system, try the connection request a second time. Sometimes CAN bus cars won't take the first attempt because the bus is busy. If communications were lost and now they can't be restored, the controller needs the key to be cycled back one position to ACC and forward again to the On position. If done correctly, cycling the key won't lose your diagnostics session between the car and the ScanTool hardware as the ProLine hardware can maintain power from the USB-side of the connection.

Also, if you get a message that the ScanTool hardware has gone offline. Retry your connection to the controller. If the connection failure persists, try removing the AE ProLine connector from the vehicle and disconnecting the USB power from the other side. Restart the software and re-establish the physical connection. Now re-try your communication with the controller.

Finally, in some cases you may receive a message that the gateway is offline or refusing communications. Set the key to the ACC position and then back to the On position. Now re-try your communication with the controller.

3. My connection times seem slow.

Pre-CAN cars are slow. Even with the factory scan tool, connections take several minutes. Data rates are between 4hz and 6hz in most cases. The AutoEnginuity ScanTool product will actually be faster than the factory tool in almost all cases because we don't need to interrogate the controller for version information.

4. How do I reset the service interval light on my late model Mercedes?

For FSS-equipped models, use the WIA Reset actuation in the KI controller. For the ASSYST- and ASSYST Plus-equipped models, download the PDF instructions from Mercedes Benz technical site here: <http://www.startekinfo.com/StarTek/doclist.jsp>.

Enhanced Mercedes User Guide

READ ME FIRST!

Check Your Package Contents

Your AutoEnginuity Mercedes package should contain:

- 1 x 1ft 16pin - 38pin Mercedes adaptor cable

NOTE: If *any* of the above item(s) are missing, please contact your reseller.

Before Getting Started

Enhanced Mercedes will allow you to access systems not available with generic OBD-II. The enhanced Mercedes option is an add-on to the AutoEnginuity ScanTool. To offer this support, the enhanced Mercedes option utilizes proprietary electronics in the ST06 ProLine hardware and an adaptor cable.

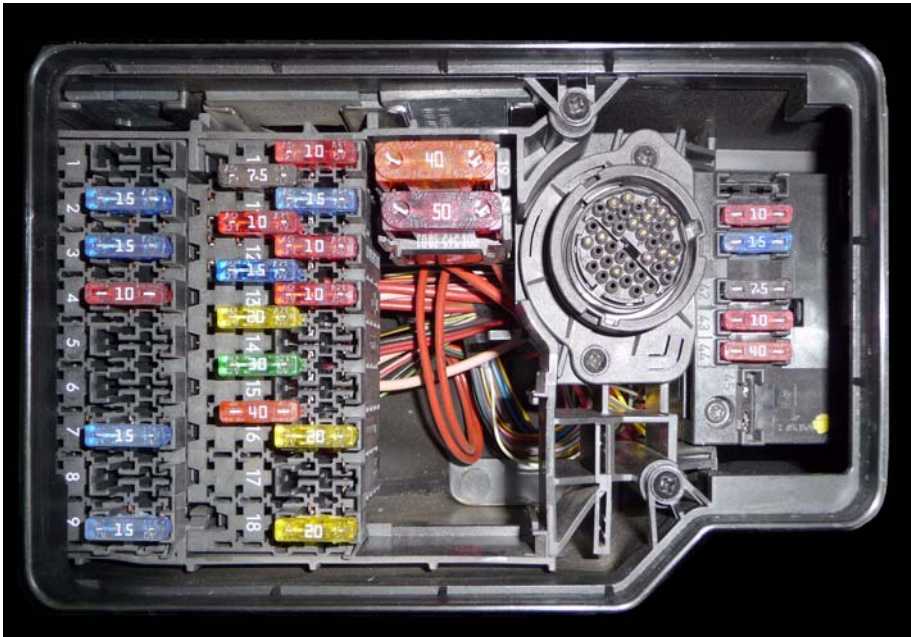
Check to make sure that your ScanTool is already properly installed and that the enhanced option(s) are activated. Please see your ScanTool User Guide for instructions if necessary.

Connecting to the Vehicle

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 ProLine connector to your computing device.
3. Earlier vehicles (129, 140, 202, 203, and 210 models for example) require the 38pin adaptor cable. To find your vehicle's 38pin interface, lift the vehicle's hood and look for a circular dust cover or a fuse box. (See graphic below for an exam-

ple of a vehicle's 38pin interface location in the fuse box.) Once you find your 38pin interface, physically attach the 38pin adaptor cable from the ScanTool to it.



4. The ScanTool will now connect to the vehicle. If you do not see the connection screen, press F2 or select *Vehicle / Connect*.
5. 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. You may use the GetVIN on model years 2002 and later if the vehicle supports VIN retrieval.
6. Select your system at the bottom of the Vehicle Selection screen. By default the system selected is Enhanced Powertrain. If the system you select is not present or operating, the ScanTool software will display an alert and require you to select another system before continuing.
7. Click *OK* once the vehicle model information and the system are selected.
8. The connection phase will finalize by retrieving the trouble codes from all of the vehicle systems present. This can take up to 60 seconds.
9. Congratulations, you are now connected to your Mercedes!

Operating Instructions

Please note: These instructions are not to be used as a replacement for factory service information, but to work along-side it. Proper operation of all vehicle functions will only be provided in the factory service documentation.

Trouble Codes

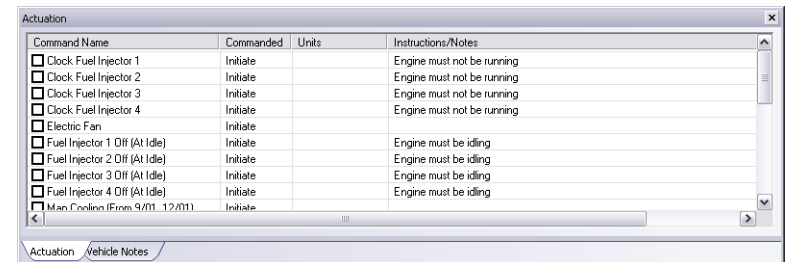
The ScanTool will default to showing you any trouble codes that may be present on the vehicle. Unlike most other enhanced expansions, the enhanced Mercedes expansion does not, at this time, support retrieving codes from all controllers with the *All* trouble code retrieval selection. You will be required to retrieve from each controller with the *Current* option.

Live Data

Watching live data from your vehicle is very important to servicing your vehicle, so we offer three ways to view it. The live data Meters, Grid, and Graph tabs operate the same as the basic kit. One thing to note is that Mercedes sends multiple sensor responses in a single transmission, so you will see data update in “chunks”.

Actuation

To reset adaptations or actuate a solenoid, use the Actuation window. This dockable window is normally available at the bottom of the ScanTool screen as a tab. This window's controls will only be enabled when you are on any of the live data tabs (Meter, Grid, or Graph). Mercedes' actuations typically are only toggle states; meaning once you select them, they will actuate and the check box will deselect. Most actuations require the vehicle to be in a certain state to operate. You may see instructions for an actuation on the far right.



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

Test OnBoard Systems

The Test OnBoard Systems tab is available to run those tests that can only be operated in isolation and require the complete control of the vehicle and the software.