

TAQ Cables sGEN

Installation Guide

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Credits:

Special thanks to: Paul Blackmore, Ross Myers, and Ben Nevins.

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Rev 1.0

Introduction

**Please read the entire contents of this document
before performing any of the steps.**

Before you begin:

1. The contents of this tutorial are specific to EFILive's FlashScan V2 and generic serial interfaces.
2. EFILive's "Serial Wideband Tutorial" contains detailed instructions for both BBL and pass-thru serial logging. The Serial Wideband Tutorial can be found in the "Tutorials" section of EFILive's forum: <http://forum.efilive.com>
3. Upgrading to the latest release of the EFILive software will ensure all features are available and appear as documented. EFILive upgrades may be downloaded, free of charge here: <http://www.efilive.com/downloads.aspx>
4. Upgrading to the latest release of the Innovative software will ensure all features are available and appear as documented. Innovative upgrades may be downloaded here: <http://www.innovatemotorsports.com/>

Installation

1. Locate the pig-tailed end of the sGEN cable and use the color/pin-out chart to determine connections:

| sGen Color | V2 Pin | V2 Function |
|------------|--------|-------------|
| White | 1 | TxD |
| Red | 2 | RxD |
| Orange | 5 | GND |

2. Locate the serial port on FlashScan (**Figure 1**)
3. Plug the sGEN RJ12 connector into the FlashScan serial port

For **AEM UEGO** installations the following wiring connections must be made:

| sGen Color | AEM UEGO |
|------------|----------|
| White | n/a |
| Red | Blue |
| Orange | Black |

Verify Installation from FlashScan

1. Locate the OBD2 port on FlashScan (**Figure 2**)
2. Connect FlashScan OBD2 cable to the PCM and FlashScan
3. Select "Options" (**F4**) (**Figure 3**)
4. Select "Setup" (**F1**) (**Figure 4**)
5. Select "Edit Settings" (**F1**) (**Figure 5**)
6. Set "Ser PIDs" to "YES" (**Figure 6**)
7. Set "COM In" to "Wide-O2" (**Figure 7**)
8. Set "COM Out" to "Wide-O2" (**Figure 8**)
9. Set "WO2 Type" to the device type you are configuring (**Figure 9**)
10. Press the "Ok" button to save your settings
11. Press the "Cancel" button twice to return to the main menu
12. Select "Scan Tool" (**F2**) (**Figure 10**)
13. Select "Data Logging" (**F1**) (**Figure 11**)
14. Select "Display WO2" (**F3**) (**Figure 12**)

FlashScan will display "Controller Not Found" until the next step is completed (**Figure 13**)

Pressing FlashScan's "Ok" button will toggle displays thru sensor one, two, and dual sensor

15. Start the vehicle's engine

16. When FlashScan starts communicating with the serial device the display will update to represent the current state of the serial device.

Serial communications can be verified by witnessing the #2 LED blinking rapidly and monitoring the data on FlashScan's LCD (**Figure 14**)

Pressing the "Enter" button will toggle thru AFR, Lambda, and EQ Ratio displays

Pressing the power button will initiate a free air calibration (if supported)

Figures

Figure: 1



Figure: 2



Figure: 3

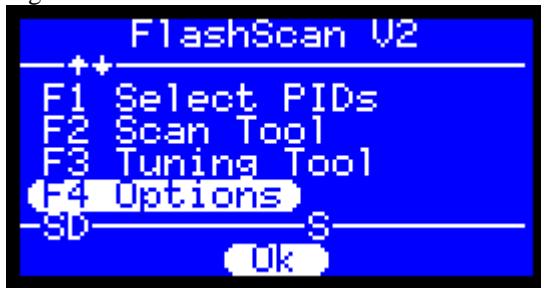


Figure: 4

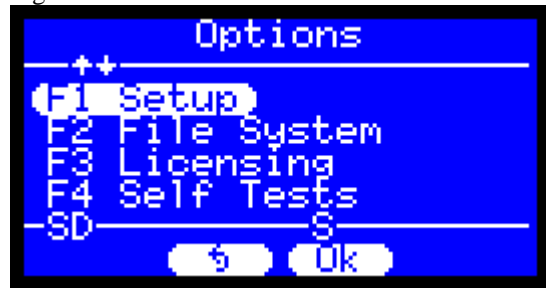


Figure: 5



Figure: 6

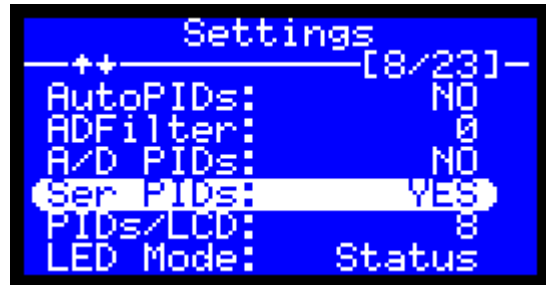


Figure: 7

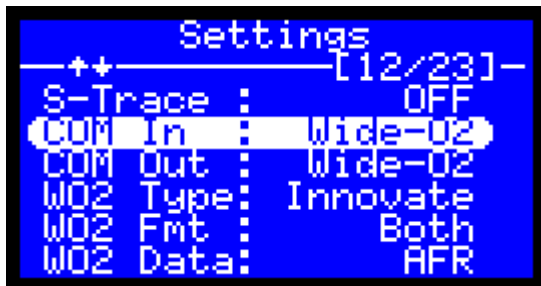


Figure: 8

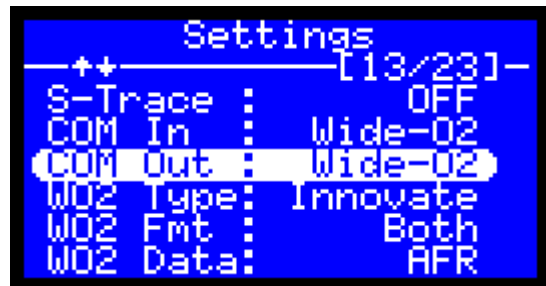


Figure: 9

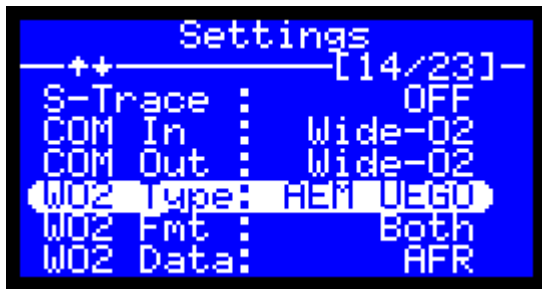


Figure: 10

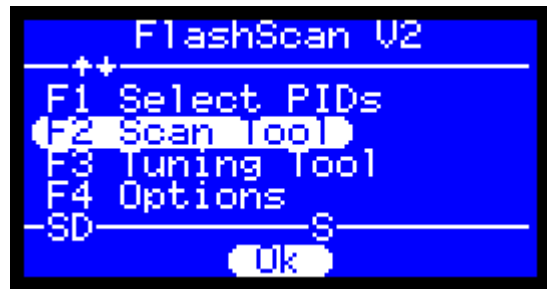


Figure: 11

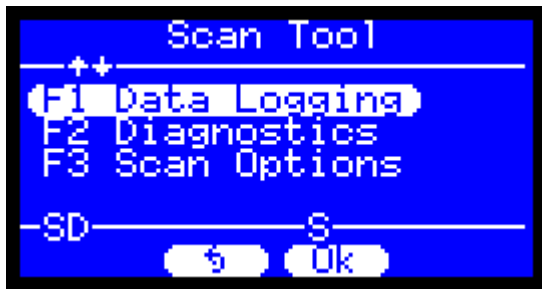


Figure: 12



Figure: 13



Figure: 14

