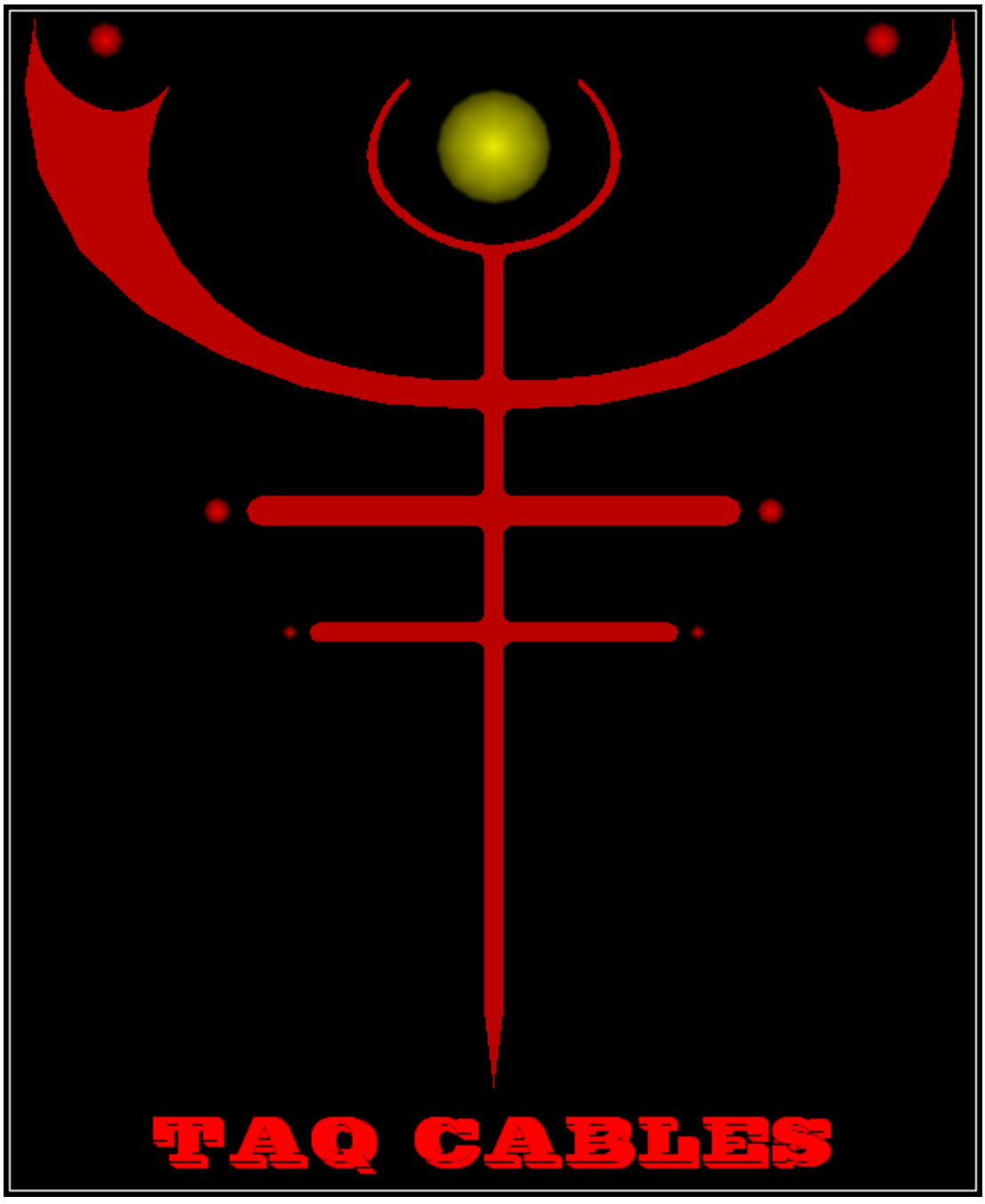
TAQ CABLES

TAQ Cables sLM1

Installation Guide

First published
Aug 10, 2008

Credits:

Special thanks to: Bruce Melton, Paul Blackmore, and Ross Myers.

Rev 2.1

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 Innovative Motorsports LM-1 wideband O2 sensor.
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 serial out port on the LM-1 device (**Figure 1**)
2. Plug the sLM1 mini-din connector into the LM-1 serial out port
3. Locate the serial port on FlashScan (**Figure 2**)
4. Plug the sLM1 RJ12 connector into the FlashScan serial port

Verify Installation From FlashScan

1. Locate the OBD2 port on FlashScan (**Figure 3**)
2. Connect FlashScan OBD2 cable to the PCM and FlashScan
3. Select “Options” (**F4**) (**Figure 4**)
4. Select “Setup” (**F1**) (**Figure 5**)
5. Select “Edit Settings” (**F1**) (**Figure 6**)
6. Set “Ser PIDs” to “YES” (**Figure 7**)
7. Set “COM In” to “Wide-O2” (**Figure 8**)
8. Set “COM Out” to “Wide-O2” (**Figure 9**)
9. Set “WO2 Type” to “Innovate” (**Figure 10**)
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 11**)
13. Select “Data Logging” (**F1**) (**Figure 12**)
14. Select “Display WO2” (**F3**) (**Figure 13**)

    FlashScan will display “Controller Not Found” until the next step is completed (**Figure 14**)

    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 LM-1 the display will update to represent the current state of the LM-1.

    Serial communications can be verified by witnessing the #2 LED blinking rapidly and monitoring the data on FlashScan’s LCD (**Figure 15**)

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

    Pressing the power button will initiate a free air calibration

    During the LM-1 warm-up cycle the FlashScan display may alternate between “No Controller Found” and the LM-1 warm up status.

Figures

Figure 1

Figure: 2

Figure: 3

Figure: 4

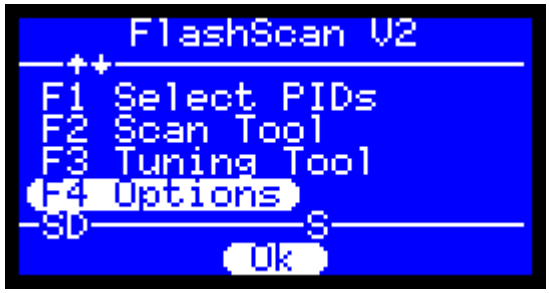

Figure: 5

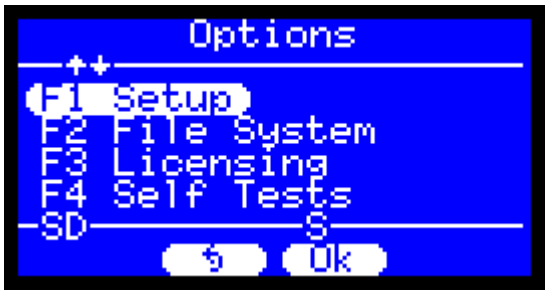

Figure: 6

Figure: 7

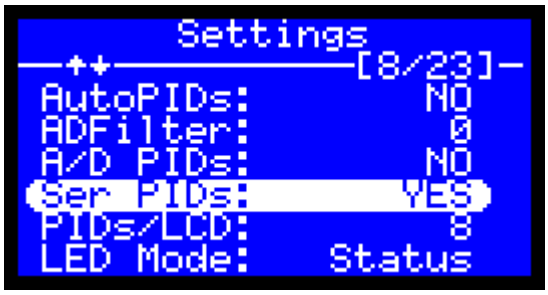

Figure: 8

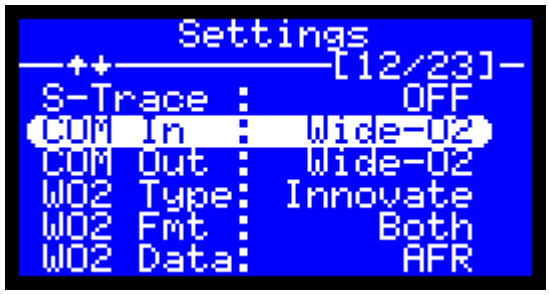

Figure: 9

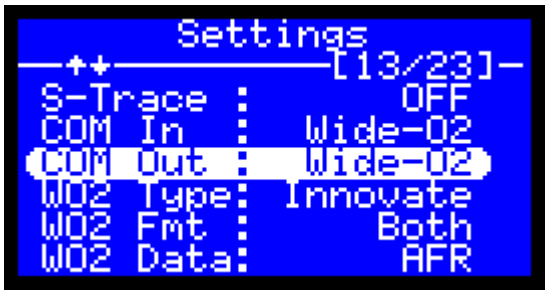

Figure: 10

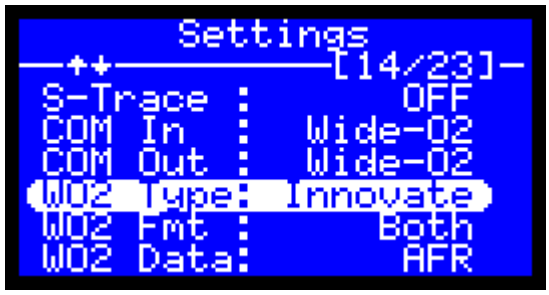

Figure: 11

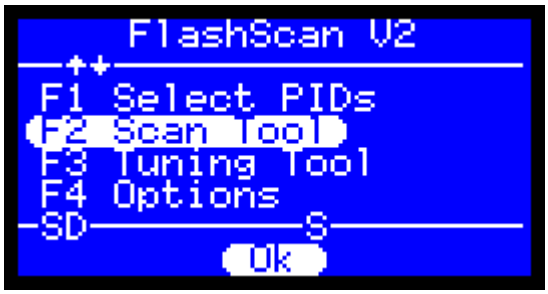

Figure: 12

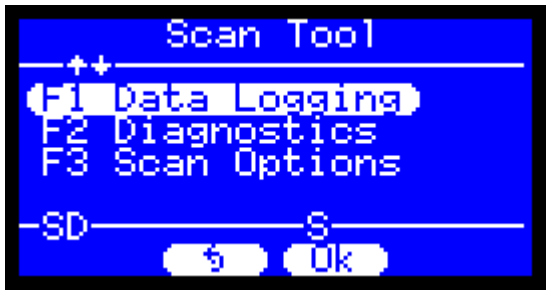

Figure: 13

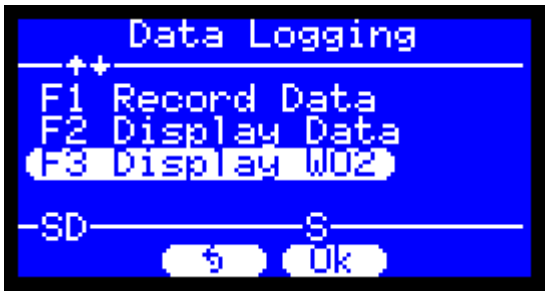

Figure: 14

Figure: 15