By Linear Logic

ScanGauge™

www.ScanGauge.com

```
<SCAN        GAUGE>
<TRIP         MORE>
```
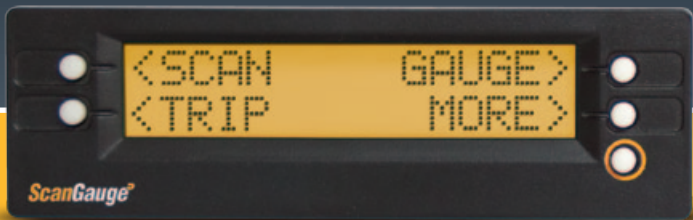
ScanGauge²

Quick Start Guide

Plugs into the J1939 or J1708 diagnostic connector already built into most 1987 or Newer Diesel Pusher Motor Homes, RV's and Large Diesel Over-The-Road Trucks

1) Quick Start Installation

1. Locate the Diagnostic Connector

The connector is generally located under the dash at the fire wall on the driver side and is usually protected by a plastic cover. To remove the protective cover, you must push the cover while turning counter clockwise, then pull to remove it.

Typical J1939/J1708 protective cover

2. Determine Plug Type

The universal plug included with your ScanGauge is compatible with both the J1939 (9pin) and J1708 (6-pin) diagnostic port. Match the end of the plug to the connector, but do not plug it in at THIS time.

6-pin connects to vehicles that use the J1708 protocol

J1708

9-pin connects to vehicles that use the J1939 protocol

J1939

3. Locate a Place For The ScanGauge.

You can use the sticky-back Velcro® supplied with the ScanGauge to attach it to the location you have chosen.

⚠️ DO NOT mount the ScanGauge over an air bag cover where it could be propelled by a deploying airbag.

4. Route The Cable.

Route the cable from the ScanGauge to your vehicle's diagnostic connector. Be sure Keep the cord from interfering with the pedals or operating controls of the vehicle.

5. Connect the small end of the cable
   Plug the small end of the cable into the back or side of the ScanGauge.

6. Turn the vehicle on.
   Start your vehicle or turn the ignition to the ON position.

Plug the ScanGauge Plug Into The Diagnostic Connector.
   While inserting in the plug, you may have to rotate to the plug to align the connector pins. Once the pins are aligned, push firmly on the plug to complete the connection.

   Once connected with the vehicle running or the ignition in the ON position, your ScanGauge will display the Connecting Screen, and then quickly switch to the Home Screen.

   When the Home Screen is displayed, your ScanGauge is connected and has established communication with your vehicle's computer.

Connecting...
<TRIP   MORE>

Up to 10 seconds

<SCAN   GAUGE>
<TRIP   MORE>

Connecting Screen   Home Screen
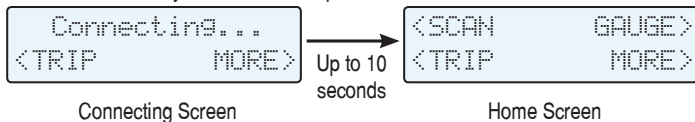
7. Proceed to setup.

If it does not stop saying "Connecting..." or the screen goes blank after 60 seconds, refer to Troubleshooting section in the ScanGauge User Manual.

2) Set Up Your ScanGauge

Your new ScanGauge must first be set up so that it may report accurate information about your vehicle.

To access the Basic Setup Options, follow the sequence shown to the right. For more detailed setup instructions and a complete explanation of each of the setup parameters, please refer to the ScanGauge User Manual.

HOME Screen

`<SCAN        GAUGE>`
`<TRIP         MORE>`

`<DISPLAY   FILLUP>`
`<SETUP       MORE>`
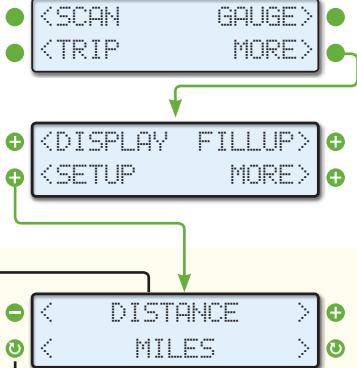
Displays the currently selected setup parameter

Use the upper buttons to move to the next or previous setup parameter

Use the lower buttons to adjust the currently selected setup parameter

`<      DISTANCE    >`
`<        MILES      >`

Setup Parameter	Display	Options
Distance Units	DISTANCE	Miles, Kilometers
Fuel Units	FUEL UNITS	Gallons, Liters
Temperature Units	TEMP UNITS	Fahrenheit (˚F), Celsius (˚C)
Pressure Units	PRESSURE UNITS	PSI, KPA, MM, IN
Tank Size	TANK SIZE	Adjustable in 1 Gallon/Liter Increments
Currency type	CURRENCY	$, £, ¥, 元 ,€
Advanced Settings	ADV SETTINGS	For an explanation of the Advanced Setting Options, please refer to the user manual and ScanGauge.com

ScanGauge Layout
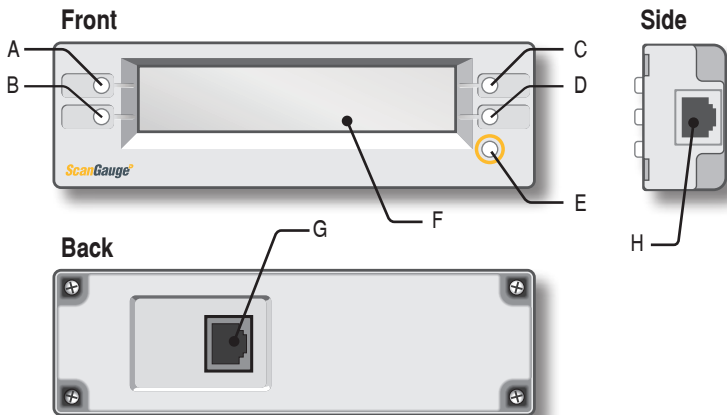
Front

Side

Back

Front
A. Function/Selection Button
B. Function/Selection Button
C. Function/Selection Button
D. Function/Selection Button
E. Home Button
F. LCD Display Screen

Back
G. J1939/J1708 Connection Plug

Side
H. Optional J1939/J1708 Connection Plug or unit daisy chain interface

Package Contents

- ScanGauge
- 6-ft J1939/J1708 Cable
- Velcro® Strips
- Quick Start Guide

3) Fuel Level and Cost Adjustments

The FILLUP function allows you adjust and enter the fuel level and cost values to help ScanGauge maintain accurate TO EMPTY and FUEL COST computations.

Initial Setup
To set the tank level initially, access the FILLUP screen and use the upper left and right function buttons to adjust the "TANK=" value to what you estimate is in the tank.

Using the FILLUP Screen
Use the FILLUP screen each time you put fuel in the tank. Adjust the number shown in the top line using the upper left and right function buttons until the number matches the amount of fuel you put in the tank.

You can increase the number in 10 gallon/liter steps and decrease in 1 gallon/liter steps.

If you're tank is full, press the function button next to "+10" until the "TANK=" value is the same as the tank capacity.

```
<SCAN        GAUGE>
<TRIP         MORE>

<DISPLAY   FILLUP>
<SETUP        MORE>
```

FILLUP Screen
```
<-1      0      +10>
Tank=   85   NEXT>
```
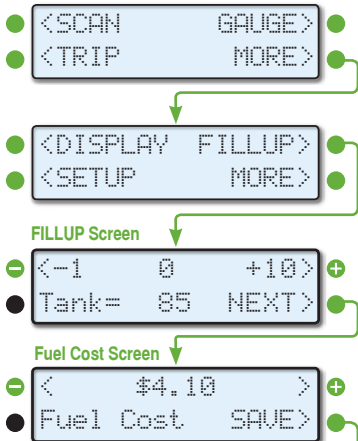
Fuel Cost Screen
```
<        $4.10       >
Fuel Cost    SAVE>
```
Push the SAVE button to complete the FILLUP process and reset the TRIP parameters related to fuel.

Fuel Cost Screen
When you're done adjusting the fuel, press the NEXT button to access the Fuel Cost Screen. Use the upper left and right function buttons to adjust the fuel cost, then press SAVE.

Helpful Hints

- If you fill up your fuel tank with your vehicle on an incline, it can have an effect on the amount of fuel the pump can dispense into your tank.

- When filling your tank, let the pump shut off automatically. Do not top off.

- To maintain the most accurate "TO EMPTY" information, it is best to fill the tank to its capacity

4) Using Your ScanGauge

Your ScanGauge features an easy-to-use menu-driven design. Pushing the button next to each selection will display that information. Pushing the HOME button will take you back to the Home Screen at anytime.
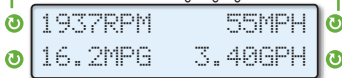
<SCAN   GAUGE>
<TRIP   MORE>
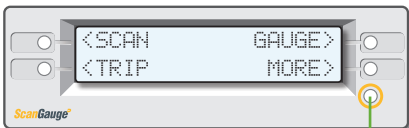
Push the HOME button to return to the Home Screen at anytime.

GAUGE
Use the built-in Digital Gauges
The function buttons next to each gauge allow you to select and display up to 4 gauges at a time.

Push the function buttons to cycle through the available digital gauges.

1937RPM   55MPH
16.2MPG   3.40GPH

TRIP
Using the Trip Computers
ScanGauge stores up to 4 sets of trip data and the **Performance Monitor**. For instructions on using the Performance Monitor, please refer to the ScanGauge User Manual.

Displays the data stored for the currently selected Trip Computer

Push to cycle through the available trip data.

Push to cycle through the available Trip Computers.
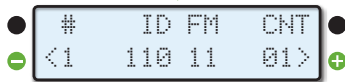
The currently selected Trip Computer

<   65 MPH MAX   >
<CURRENT   RESET>
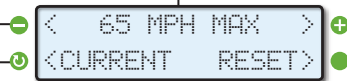
SCAN
Turn off the Check Engine Lamp
When you vehicle's computer detects a problem, it may store a trouble code. The ScanGauge gives you the ability to read and clear these trouble codes. ScanGauge will provide a **Code ID** and **Failure Mode** for each saved trouble code.

Visit **ScanGauge.com** for an explanation of known trouble codes.

Push the function button next to CLEAR to clear the code

1 STORED CODES
<CODES   CLEAR>

ID FM   CNT
<1   110 11   01>

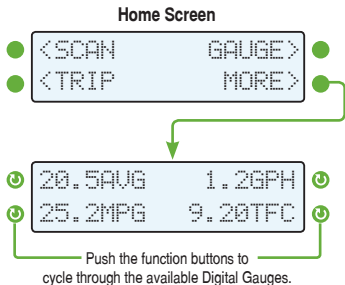Selected Code   Code ID   Failure mode   Number of Occurrences

5) Learn How to Save Fuel With ScanGauge

The easiest way to learn to improve your fuel economy is to have real-time feedback about how your driving style effects overall fuel use. ScanGauge can provide both Miles Per Gallon (MPG) as well as Average Fuel Economy (AVG) in real-time to help you adjust your driving style to reach maximum fuel economy.

Home Screen

```
<SCAN        GAUGE>
<TRIP         MORE>
```

Set Your Gauges

Use the function buttons next to each gauge position to select the following gauges:

AVG	Average Fuel Economy
MPG	Mile Per Gallon
GPH/LPH	Gallons/Liters Per Hour
TFC	Trip Fuel Cost

```
20.5AVG      1.2GPH
25.2MPG      9.20TFC
```

Push the function buttons to cycle through the available Digital Gauges.

Start Learning to Save Fuel!

With your gauges set, your ScanGauge is now ready to provide real-time feedback about your fuel usage as you drive. This will allow you to see what adjustments in your driving style can be made to actually raise or lower your **Average Fuel Economy (AVG)**.

Your goal is to bring up your **AVG** reading as high as possible. To do this, try and adjust your driving style so that your Miles Per Gallon (MPG) reading is equal to or higher than your AVG. You can also use the **Gallons/Liters Per**

```
20.5AVG      1.2GPH
25.2MPG      9.20TFC
```

Hour (GPH/LPH) to gauge how much fuel your vehicle will use each hour of driving. The **Trip Fuel Cost (TFC)** gauge will show you the total cost of the fuel used. You can think of the **TFC** gauge as a taxi meter.
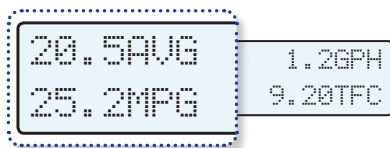
Using these real-time gauges, you can experiment with different driving styles, or even different driving routes, to reduce your fuel cost.