IMPORTANT: This User’s Guide outlines the functionality and usage of ICON gauges. Before using the ICON gauges, first read and understand all of the supplied product literature, as well as the boat’s user’s guide and outboard’s operator’s guide. This user’s guide should be stored onboard for reference.

The photographs, illustrations, and display screens used in this guide might not depict actual models, figures, data fields, equipment, or software versions, but are intended as representative views for reference only. The continuing accuracy of this guide cannot be guaranteed.

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Evinrude®
Johnson®
ICON™ Electronic Remote Control System
ICON™ Gauge Package
S.A.F.E.™ (Speed Adjusting Failsafe Electronics)
About This Guide

IMPORTANT: Read this user’s guide carefully before using the ICON gauges. This user’s guide should be kept onboard at all times during operation.

For any questions regarding the boat or outboard operation, please refer to the boat’s user’s guide, or outboard's operator’s guide for support information.

For questions or problems regarding the ICON gauge, contact your dealer.

Dealers with questions should contact BRP Parts and Accessories Technical Help.

⚠️ WARNING

For your safety and the safety of others, follow all safety warnings and recommendations supplied with the boat and outboard. Do not disregard any of the safety precautions and instructions.

IMPORTANT: All tachometers use the program PGF484. At startup, the instrument will display this information along with the revision build number.

All 80 MPH and 130 KMH speedometers use the program PGF485.

All 50 MPH and 80 KMH speedometers use the program PGF486.

Gauges with other software versions may have features not documented in this guide.
# Table of Contents

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>About This Guide</td>
<td>2</td>
</tr>
<tr>
<td>Table of Contents</td>
<td>3</td>
</tr>
<tr>
<td>Select Language</td>
<td>8</td>
</tr>
<tr>
<td>Select Clock Offset/GMT</td>
<td>9</td>
</tr>
<tr>
<td>Engine Initialization</td>
<td>10</td>
</tr>
<tr>
<td>Engine Type</td>
<td>11</td>
</tr>
<tr>
<td>Default Display Units</td>
<td>12</td>
</tr>
<tr>
<td>Tank Setup (G1 Engines)</td>
<td>13</td>
</tr>
<tr>
<td>Tank Setup (G2 Engines)</td>
<td>14</td>
</tr>
<tr>
<td>Fuel Totalizer</td>
<td>19</td>
</tr>
<tr>
<td>Reset the Totalizer Fuel Used</td>
<td>19</td>
</tr>
<tr>
<td>Contrast Settings</td>
<td>21</td>
</tr>
<tr>
<td>Backlight Settings</td>
<td>22</td>
</tr>
<tr>
<td>Fuel Level</td>
<td>23</td>
</tr>
<tr>
<td>Setting the Fuel Level</td>
<td>24</td>
</tr>
<tr>
<td>Adding Fuel to the Fuel Tank</td>
<td>26</td>
</tr>
<tr>
<td>Trip Data</td>
<td>27</td>
</tr>
<tr>
<td>View Trip and Season Data</td>
<td>28</td>
</tr>
<tr>
<td>Resetting Trip and Season Data</td>
<td>29</td>
</tr>
<tr>
<td>Gear Position Indicator</td>
<td>33</td>
</tr>
<tr>
<td>Alarms</td>
<td>34</td>
</tr>
<tr>
<td>Custom Alarms</td>
<td>34</td>
</tr>
<tr>
<td>Evinrude Alarms</td>
<td>34</td>
</tr>
<tr>
<td>SYSTEM</td>
<td>36</td>
</tr>
<tr>
<td>Initialization</td>
<td>37</td>
</tr>
<tr>
<td>System Language</td>
<td>38</td>
</tr>
<tr>
<td>Audio Settings</td>
<td>39</td>
</tr>
<tr>
<td>Clock Settings</td>
<td>43</td>
</tr>
<tr>
<td>Set Display Units</td>
<td>47</td>
</tr>
<tr>
<td>Self Test</td>
<td>48</td>
</tr>
<tr>
<td>Fuel Added Auto Detect</td>
<td>49</td>
</tr>
<tr>
<td>Software Version</td>
<td>50</td>
</tr>
<tr>
<td>Master Reset</td>
<td>51</td>
</tr>
<tr>
<td>Winterizing the Engine (G1 Engines)</td>
<td>52</td>
</tr>
<tr>
<td>Winterizing the Engine (G2 Engines)</td>
<td>54</td>
</tr>
<tr>
<td>FUEL SETUP FOR G1 ENGINES</td>
<td>55</td>
</tr>
<tr>
<td>Fuel Tank Setup</td>
<td>56</td>
</tr>
<tr>
<td>Tank Setup for G2 Engines</td>
<td>61</td>
</tr>
<tr>
<td>Fuel Remaining Source</td>
<td>64</td>
</tr>
<tr>
<td>Max Speed</td>
<td>65</td>
</tr>
<tr>
<td>Available Data Pages</td>
<td>68</td>
</tr>
<tr>
<td>Display Settings</td>
<td>69</td>
</tr>
<tr>
<td>Set Number of Data Pages</td>
<td>70</td>
</tr>
<tr>
<td>Data Page Auto–Scrolling</td>
<td>71</td>
</tr>
<tr>
<td>Screen Setup</td>
<td>73</td>
</tr>
<tr>
<td>Setting the Line 2 Data</td>
<td>75</td>
</tr>
<tr>
<td>LCD Color</td>
<td>76</td>
</tr>
<tr>
<td>Data Sources for G1 Engines</td>
<td>77</td>
</tr>
</tbody>
</table>
ICON PRO SERIES Gauge Setup
ICON Pro Series Gauges

The ICON tachometer and ICON speedometer are controlled by a three-button keypad. The buttons are:

• **UP** and **DOWN**: Use to scroll through available pages and the options within the system menus.
• **MODE**: Use to access system menus. Press the button briefly (less than one second) to exit a menu. Press and hold the button (greater than one second) to enter or save a selection.
Power ON

The power ON sequence for the tachometer and speedometer includes a Self-Test which occurs at every power ON event.

Turn the ignition key to the ON position. Starting the engine is not required. The Self-Test process includes the following steps:

1.) If initialization is complete, the LCD will display SELF TEST. All of the lights in the ICON Pro Gauge will blink. First the dial lights will blink, followed by the LCD backlights, and finally the warning lights will blink.
2.) All gauge pointers will return to the zero position
3.) All gauge pointers will sweep to full scale
4.) All gauge pointers will go to current value

The ICON tachometer and speedometer LCD screens will display SELF TEST COMPLETE!

When the Self-Test is complete, if the LCD screen displays data, then the system initialization has already been completed.

The System Setup screen will appear if the system initialization has not been completed. Use the Initialization process to complete the required system setup.
Initialization

System setup of each tachometer is required for the ICON gauge package to operate correctly.

To complete the setup process select the default language, set the proper setting on the clock, set the number of engines in the system, select the engine type, select the system default units, configure the different types of tanks on the vessel and set the tank size. The following sections describe the steps required to complete the tachometer setup.

Select Language

1.) Use the UP or DOWN buttons to select the desired language. Available languages are: English, Spanish, French, Italian and German.

2.) Press and hold the MODE button to save the language selection. The LCD screen will display SETTING SAVED! and the horn will sound an audible beep.
Select Clock Offset/GMT

1.) Use the UP or DOWN buttons to select the proper clock offset for the appropriate time zone.
2.) Once the proper offset is highlighted, press and hold the MODE button until the tachometer beeps. This will save the setting that you selected.

IMPORTANT: Be sure to choose the proper setting based on the appropriate time zone.
Engine Initialization

1.) Use the UP or DOWN buttons to select the number of engines installed on the boat. ICON gauges support up to five engines.

2.) Press and hold the MODE button to save the number of engines. The LCD screen will display SETTING SAVED! and the horn will sound an audible beep.

Complete steps 3 and 4 if two or more engines are selected.

3.) Use the UP or DOWN buttons to select the engine identifier. The engine identifier assigns each ICON tachometer to monitor a specific engine.

4.) Press and hold the MODE button to save the setting. The LCD screen will display SETTING SAVED! and the horn will sound an audible beep.
Engine Type

Set the engine type to either G1 or G2 using the following steps:

1.) Use the UP and DOWN buttons to highlight either G1 or G2.
2.) Once the proper engine type is selected, hold the MODE button down to save the appropriate selection.

The LCD screen will display SETTING SAVED! and the ICON gauge will issue an audible beep.
Default Display Units

The default display units sets the units for all data fields in the instrument package. Use DISPLAY SETTINGS to adjust individual data field units.

1.) Use the UP or DOWN buttons to select the desired display units. Available display units are: US (SAE) and EURO (metric).

2.) Press and hold the MODE button to save the desired display units. The LCD screen will display SETTING SAVED! and the horn will sound an audible beep.
Tank Setup (G1 Engines)

For each tank indicated in the system, the ICON tachometer will ask for the type of tank being used. Tank types available are FUEL, FRESHWATER, GREY WATER, LIVEWELL, OIL LEVEL, BLACK WATER, BALLAST and AVAIL TANK.

1.) Use the UP or DOWN buttons to select the type of tank being used in the system.

2.) Press and hold the MODE button to save the appropriate type of tank. The LCD screen will display SETTING SAVED! and the horn will sound an audible beep.

If FUEL is selected, go to Step 3 for the fuel tank setup procedure.

3.) Use the UP or DOWN buttons to set the capacity of the first fuel tank. Press and hold the UP or DOWN button to set the fuel tank capacity in a more rapid manner.

4.) Press and hold the MODE button to save the capacity of the fuel tank. The LCD screen will display SETTING SAVED! and sound an audible beep.

5.) Repeat Steps 1-4 for additional fuel tanks.

6.) When the Fuel Tank Setup is completed and all available tank types have been identified, the tachometer’s initialization is complete. The display will read “BASIC INITIALIZATION COMPLETE!” and the ICON gauge will issue an audible beep.
Tank Setup (G2 Engines)

1.) Connect a laptop equipped with EvDiag6 to the diagnostic port of the outboard.
2.) Open EvDiag6 and connect to the network.
3.) Select the Teleflex Throttle/Shift Control option.
4.) Click on the Fluid Levels box at the top of the screen. This will bring up the fluid level configuration box where the instances for each tank will need to be configured.
5.) Select Fuel or Oil for each tank within the proper Fluid Channel box.

**NOTE:** Channels 0 and 1 are set to fuel by default while channels 2 and 3 are set to oil by default.

6.) Set the capacity of each tank by entering the value into the proper capacity box.
7.) Enter the Low and High Level Alarms into the Low Level Alarm and High Level Alarm boxes within the proper Fluid Channel box.

**NOTE:** Setting these values will trigger an alarm when the tanks reach the set high and low values.

8.) Set the tank level calibration for each tank within the proper Fluid Channel box.

Each tank can be set to either 2, 3 or 5 point calibration.

When the level sender is set to a 2 point calibration, the level sender will read only 100% and 0%.

When the level sender is set to a 3 point calibration, the level sender will read 100%, 50% and 0%.

When the level sender is set to a 5 point calibration, the level sender will read 100%, 75%, 50%, 25% and 0%.

9.) Save the settings by clicking on the Save Configuration box or reset all of the settings by clicking on the Factory Default box.
Default Pages

When initialization for the tachometer is complete the tachometer is ready for use. The tachometer's LCD screen will display the default data page.

The tachometer factory default data pages are shown below. Press the UP or DOWN buttons to scroll through the default display pages.
Menu Options
Pressing the MODE button once will show the Tachometer Menu Options. These options are

• RESET TOTALIZER: This option resets the total fuel used

• TRIP DATA: This option records engine hours, Fuel Used, Odometer and Fuel Rate

• FUEL LEVEL: This option is used for quick access to add fuel to one of the fuel tanks.

• EDIT MENU: This options is used to make global Tachometer settings and changes

• CONTRAST: This option is used to adjust the Tachometer and Speedometer's display.

• LIGHTING: This option is used to adjust the lighting level(s).

• DEPTH: This option is used to set the depth of the water alarms (if available).
Fuel Totalizer

The Fuel Totalizer is used when more than one Fuel Tank is installed in the system. The Totalizer will monitor all of the installed Fuel Tanks, gather and combine the data for fuel usage for the entire system. The ICON gauge automatically collects the fuel data based on the settings in the individual tank settings completed in the FUEL SETUP section of this book.

Reset the Totalizer Fuel Used

1.) Use the UP or DOWN buttons to select RESET TOTALIZER.
2.) Press and hold the MODE button to enter the RESET TOTALIZER menu.
3.) Use the UP and/or DOWN buttons to select YES. Then press and hold the MODE button to save the selection. The LCD screen will display SETTING SAVED! and the gauge will issue an audible beep.
4.) Select NO to exit.
Display Settings

Adjust the display settings to improve visibility.

1.) Press the MODE button once to enter the MENU OPTIONS page.
2.) Press the UP or DOWN buttons to select LIGHTING or CONTRAST.
3.) Press and hold the MODE button to make the selection.

To adjust the contrast, go to Step 4.

To adjust the backlight on all system gauges and NMEA 2000 backbone network devices, go to Step 6.

**NOTE:** LIGHTING is available only if the source for LCD, DIAL or SYSTEM is set to INSTRUMENT.
Contrast Settings

There are 22 defined contrast levels. The contrast level will change to negative mode (white font on dark background), halfway through the 22 predefined contrast settings.

4.) Press the UP button to increase or press the DOWN button to decrease the contrast level of the LCD screen on all tachometers and speedometer.

5.) The contrast setting is automatically saved to the tachometer and synchronized to all ICON gauges.
Backlight Settings

By default, the Dial Backlight and the Display Backlight are synchronized. Use the ICON Tachometer to adjust the lighting options.

If the boat is equipped with an ICON Remote Control, gauge lighting can be adjusted using the buttons on the remote control by pushing the + and - buttons.

Adjust the lighting using the steps below.

6.) Use the UP and DOWN buttons to select the LIGHTING to adjust.
7.) Press and hold the MODE button to save the selection.

Use Backlight Adjustment Kit, P/N 766108, for ICON basic gauges.
Fuel Level

Use FUEL LEVEL to quickly add fuel amounts to each fuel tank and set the tank indicator to FULL after a fuel fill up. By keeping accurate accounts of fuel added to the tanks, at fill up, the ICON tachometer can calculate accurate fuel economy values including Fuel Flow, Range and Trip Data.
Setting the Fuel Level

IMPORTANT: Setting the Fuel Level in the ICON tachometer is performed in the PORT tachometer if more than one ICON tachometer is in use.

To set the fuel level to full:

1.) Press and hold the MODE button to enter the Menu Options menu.
2.) Use the UP and DOWN buttons to select FUEL LEVEL.
3.) Press and hold the MODE buttons to make a selection.
4.) Use the UP and DOWN buttons to select the tank in which to add fuel.
5.) Press and hold the MODE button to make a selection.
6.) Use the UP and DOWN buttons to select SET FULL
7.) Press and hold the MODE button to set the fuel tank to FULL
8.) Use the UP or DOWN buttons to select YES. Select NO to exit.
9.) Press and hold the MODE button to save the selection.

If YES was selected, the LCD screen will display SETTING SAVED! and then return to the SET FULL menu.

NOTE: A full indication indicates that the amount of fuel added to the fuel tank is equal to the capacity of the fuel tank set up in the initialization setup. The ICON gauge uses this number to calculate the Fuel economy calculations. An inaccuracy in this number will result in faulty calculations.
Adding Fuel to the Fuel Tank

1.) Press and hold the MODE button to enter the Menu Options menu.
2.) Use the UP and DOWN buttons to select FUEL LEVEL.
3.) Press and hold the MODE button to make the selection.
4.) Use the UP and DOWN buttons to select the proper tank in which to add fuel.
5.) Press and hold the MODE button to make the selection.
6.) Use the UP and DOWN buttons to select ADD FUEL.
7.) Press and hold the MODE button to enter the TANK # ADD menu.
8.) Use the UP or DOWN buttons to set the volume of fuel that had been added to the fuel tank.
9.) Press and hold the MODE button to save the setting.
10.) The LCD will display SETTING SAVED! and the gauge will issue an audible beep.

NOTE: Holding the UP or DOWN buttons will increase or decrease the amount in a more rapid fashion.
Trip Data

The Trip Data feature records engine hours, fuel used, odometer and fuel rate for two trips and the season. To view the Trip Data, enter the Menu Options menu then:

1.) Press and hold the MODE button to enter the Menu Options menu.
2.) Use the UP and DOWN buttons to select TRIP DATA.
3.) Press and hold the MODE button to make a selection.
4.) Follow the steps in the next section for viewing and resetting trip data.
View Trip and Season Data

1.) Use the UP or DOWN buttons to select TRIP A, TRIP B or SEASON.
2.) Press and hold the MODE button to enter the selection.
3.) Use the UP or DOWN buttons to select VIEW DATA.
4.) Press and hold the MODE button to make a selection.
5.) Use the UP or DOWN buttons to select information to be shown.

NOTE: Available trip information is ECON, ODO, FUEL and HOURS.
Resetting Trip and Season Data

1.) Use the UP or DOWN buttons to select TRIP A, TRIP B, or SEASON.
2.) Press and hold the MODE button to enter the selection.
3.) Use the UP or DOWN buttons to select REST DATA.
4.) Press and hold the MODE button to make a selection.
5.) Use the UP or DOWN buttons to select YES to reset the data. Select NO to exit.
6.) Press and hold the MODE button to reset the data. The LCD screen displays SETTING SAVED! and the gauge will issue an audible beep.
Tachometer Operation
Special Features

The ICON tachometer has three special features that notify the operator when certain events occur. The special features are:

• Gear Position Indicator – provides notification of gear position changes when an ICON digital remote control system is installed in the boat.
• Alarms – provides notification of user defined custom warnings and engine specific warnings.
• Fuel Added Auto Detect – provides notification for fuel management options.
Gear Position Indicator

The LCD screen displays gear position for FORWARD (F), NEUTRAL (N) and REVERSE (R) and the horn sounds an audible beep when the operator makes gear position changes using an ICON digital remote control.

The audible beep can be turned off by changing the default setting. The display remains active for two seconds and then returns to the previous data page.
Alarms

The ICON gauge package has two types of alarms; custom alarms and Evinrude alarms.

Custom Alarms

Custom alarms are user defined. A custom alarm displays a brief alarm message on the LCD screen of the tachometer and speedometer.

Evinrude Alarms

In the event of an engine related alarm, an alarm message is displayed on the LCD screen of the tachometer and speedometer. The horn sounds and the LCD backlight color changes to red for a serious alarm, or to amber for minor alarm.

Press the MODE button to silence the alarm.

Press the UP or DOWN button to view all present alarms. Additional alarm information can be viewed by accessing the Diagnostic Mode.

ICON basic gauges will flash the dial backlight and sound the horn to indicate alarms.

ICON 2 inch accessory gauges flash the dial backlight to indicate an alarm.
Edit Menu

The EDIT MENU options are:

• **FUEL SETUP**: Use to set and manage the fuel devices.
• **MAX SPEED**: Use to view and reset the maximum speed setting.
• **DISPLAY**: Use to edit the data pages and adjust lighting and contrast.
• **DATA SRCS**: Use to select the data sources for engine parameters, trim, battery, oil sender and analog inputs.
• **DEPTH WARN**: Use to set shallow, deep and keel warnings.
• **CUSTOM ALERTS**: Use to set alarms for oil pressure and engine temperature.
• **POP UP ALERTS**: Use to set user definable information pop ups when changes occur in a monitored data value.
• **SYSTEM**: Use to make changes to audio, perform a self-test or master reset and view the software version.

1.) Press the MODE button once to display the Menu Options.
2.) Use the UP or DOWN buttons to select EDIT MENU. Then press and hold the MODE button to enter.
SYSTEM

Use the SYSTEM menu to initialize the tachometer, set the system language, adjust audio settings, perform a Self-Test or Master Reset, and to view the current software version for the tachometer. The SYSTEM menu is also used to enter diagnostic mode and to enter the engine winterize mode.

1.) Press the MODE button once.
2.) Use the UP or DOWN buttons to select EDIT MENU.
3.) Press and hold the MODE button to enter EDIT MENU options.
4.) Use the UP or DOWN buttons to select SYSTEM.
5.) Press and hold the MODE button to enter SYSTEM menu options.
Initialization

When the ICON tachometer is first powered on, the ICON gauge will enter INITIALIZATION mode.

If initialization is needed after the first power ON:

1.) Use the UP or DOWN buttons to select INITIALIZE.
2.) Press and hold the MODE button to make the selection.
3.) Use the UP or DOWN buttons to select YES. Select NO to return to the EDIT menu.
4.) Press and hold the MODE button to make a selection.

**NOTE:** If the ICON tachometer has not been initialized previously, when power is first applied the tachometer will automatically start up into the INITIALIZATION mode.
System Language
To select or change the system language, enter the SYSTEM menu then:

1.) Use the UP or DOWN button to select LANGUAGE.
2.) Press and hold the MODE button to make the selection.
3.) Use the UP or DOWN buttons to select the desired language to be used.
4.) Press and hold the MODE button to save the language selection.
5.) The LCD screen will display SETTING SAVED! and the gauge will issue an audible beep.

NOTE: The available languages are English, Spanish, French, Italian and German.
Audio Settings

Use the AUDIO menu to turn the horn ON or OFF for warnings, saving settings, pressing buttons, or gear position changes.

**IMPORTANT:** The audio setting ALL, should NOT be used to turn OFF warnings.

To enter the AUDIO menu:

1.) Press the MODE button once.
2.) Use the UP or DOWN buttons to select EDIT MENU options.
3.) Press and hold the MODE button to enter Edit Menu options.
4.) Use the UP or DOWN buttons to select SYSTEM.
5.) Press and hold the MODE button to enter SYSTEM menu options.
6.) Use the UP or DOWN buttons to select AUDIO.
7.) Press and hold the MODE button to enter the AUDIO menu.
Warning ON or OFF
Use WARNING BEEP to turn the horn ON or OFF while a warning is occurring in the ICON Tachometer. To change the setting enter the AUDIO menu, then:

1.) Use the UP or DOWN buttons to select WARNING BEEP.
2.) Press and hold the MODE button to enter WARNING BEEP.
3.) Use the UP or DOWN buttons to select ON or OFF.
4.) Press and hold the MODE button to save the setting. The LCD screen will display SETTING SAVED!

IMPORTANT: Turning OFF the WARNING BEEP is NOT recommended.
Setting Saved Audio Setting

Use SETTING SAVED to turn the horn ON or OFF after a setting is saved in the ICON Tachometer. To change the setting enter the AUDIO menu, then:

1.) Use the UP or DOWN buttons to select SETTING SAVED.
2.) Press and hold the MODE button to enter SETTING SAVED.
3.) Use the UP or DOWN buttons to select ON or OFF.
4.) Press and hold the MODE button to save the setting. The LCD screen will display SETTING SAVED!
All Sounds
Use ALL to turn the horn ON or OFF for all audio menu options. To change the setting enter the AUDIO menu, then:

1.) Use the UP or DOWN buttons to select ALL.
2.) Press and hold the MODE button to enter ALL.
3.) Use the UP or DOWN buttons to select ON or OFF.
4.) Press and hold the MODE button to save the setting. The LCD screen will display SETTING SAVED!

IMPORTANT: If this option is selected, be sure to turn ON the WARN BEEP.
Clock Settings

The CLOCK data field is available if a GPS is connected to the system. Select the current time zone offset for the clock to show the correct local time. Clock data can be displayed in 12 or 24 hour format. To set the clock, enter the SYSTEM menu, then:

1.) Use the UP or DOWN buttons to select CLOCK SETTING.
2.) Press and hold the MODE button to enter the selection.
To Change the Time Offset:

1.) Use the UP or DOWN buttons to select TIME OFFSET.
2.) Press and hold the MODE button to enter the selection.
3.) Use the UP or DOWN buttons to select the correct TIME OFFSET value.
4.) Press and hold the MODE button to enter the selection.
Alarms

The ICON gauge package is equipped with an ALRAMS menu that enables the user to view current and past alarms.

View Current Alarms

To view the current alarms enter the ALARMS screen, then:

1.) Use the UP or DOWN buttons to select ALARMS.
2.) Press and hold the MODE button to enter the selection.
3.) Use the UP or DOWN buttons to select VIEW.
4.) Press and hold the MODE button to enter the selection.

If there are current alarms, the screen will show the first alarm. Use the UP or DOWN buttons to view all alarms. When finished, press the MODE button to escape.

**NOTE:** Date information is available only if a NMEA 2000 GPS antenna is installed in the system.

If there are no current alarms, the LCD screen will display NO STORED ALARMS FOUND! for two seconds and an audible beep will be issued.
Clear Alarms

To clear the stored alarms enter the SYSTEM menu, then:

1.) Use the UP or DOWN buttons to select ALARMS.
2.) Press and hold the MODE button to enter the selection.
3.) Use the UP or DOWN buttons to select CLEAR.
4.) Press and hold the MODE button to enter the selection.
5.) Use the UP and DOWN buttons to select YES.
6.) Press and hold the MODE button to save the selection. The LCD will display SETTING SAVED! and the ICON gauge will issue an audible beep.

**IMPORTANT:** This action will clear all recorded alarms and CANNOT be undone.
Set Display Units

Use the Set Units menu to change the units for the data recorded in the ICON tachometer. Use the set units menu to change the units on all data or individual data type.

The units of the following information can be changes; ALL UNITS, VOLUME, DISTANCE, SPEED, TEMPERATURE, DEPTH, PRESSURE, GPS COG and FLOW RATE.

To make a change to the units, enter the SYSTEM menu then:

1.) Use the UP or DOWN buttons to select SET UNITS.
2.) Press and hold the MODE button to enter the selection.
3.) Use the UP or DOWN buttons to select the data type to be changed.
4.) Press and hold the MODE button to enter the selection.
5.) Use the UP or DOWN buttons to select the desired units type.
6.) Press and hold the MODE button to save the selection. The LCD screen will display SETTING SAVED! and the gauge will issue an audible beep.
Self Test

Use the SELF-TEST feature to test the ICON gauge package is communicating with the Tachometer. To perform a self-test, enter the SYSTEM menu, then:

1.) Use the UP or DOWN buttons to select SELF-TEST.
2.) Press and hold the MODE button to enter the SELF-TEST.
3.) Use the UP or DOWN buttons to select YES.
4.) Press and hold the MODE button to begin the SELF-TEST.

During the SELF-TEST:

• The tachometer will run through a series of scripted self-test programs designed to test the operation of the tachometer.
• The pointer will move through a series of angles and the buzzer will beep.
• When finished, the tachometer LCD will display APP SELF TEST COMPLETE.
• Once complete, the display will return to normal operation.
Fuel Added Auto Detect

A Fuel Added Auto Detect feature is provided to maintain accuracy of the fuel totalizer. When fuel is added to the fuel tank, all fuel level changes must be updated within the ICON gauge package.

IMPORTANT: The Auto Detect Feature is disabled if the fuel source is ENGINE.

1.) If the tachometer identifies that the fuel level in any of the active fuel tanks meets default criteria the auto pop up for fuel will appear.

2.) If fuel has been added to the fuel tank, press and hold the MODE button to select YES. If fuel has NOT been added to the fuel tank, use the UP or DOWN buttons to select NO. Press and hold the MODE button to enter this selection.

There are two options for adjusting the fuel level: ADD FUEL and SET FULL.

Use the UP or DOWN buttons to select the desired option. Press and hold the MODE button to enter this selection.
Software Version

Use the SOFTWARE feature to view the current version of software operating in the tachometer. This information may be useful when communicating with technical support.

To view the software version, enter the SYSTEM menu, then:

1.) Use the UP or DOWN buttons to select SOFTWARE.
2.) Press and hold the MODE button to enter the selection.

The LCD screen will display the:
• program identifier (starts with the letters “PGF”)
• revision for the program identifier
• release date for the software
Master Reset

Use the MASTER RESET feature to reset the tachometer to the factory default settings.

To perform a master reset, enter the SYSTEM menu, then:

1.) Use the UP or DOWN buttons to select MSTR RESET.
2.) Press and hold the MODE button to enter the selection.
3.) Use the UP or DOWN buttons to select YES or NO.
4.) Press and hold the MODE button to enter the selection.

If NO is selected the gauge will exit to the SYSTEM menu. If YES is selected continue with the next step.

A warning message will display for five seconds and the horn will beep three times. Next, the LCD screen will display the message: CONTINUE WITH RESET?

5.) Use the UP or DOWN buttons to select YES or NO.
6.) Press and hold the MODE button to enter the selection.

If NO is selected, the gauge will exit to the SYSTEM menu.
If YES is selected, the ICON gauge will be reset to the factory default settings.
Winterizing the Engine (G1 Engines)

The ICON gauge package provides a WINTERIZE feature for 2008 or newer Evinrude E-TEC V4 and V6 model engines. The engine must be running to use this feature. Refer to the Outboard Operator's Guide for complete procedure and Safety Precautions.

To winterize the engine, enter the SYSTEM menu, then:

1.) Use the UP or DOWN buttons to select WINTERIZE.
2.) Press and hold the MODE button to enter the selection.

The LCD screen will display message "PERFORM WINTERIZE?".

3.) Press and hold the MODE button to enter WINTERIZATION.

The LCD screen will display the message "RECEIVING DATA TO START THE PROCESS".

...
4.) Engage NEUTRAL only button on throttle and advance the THROTTLE ONLY to at least 50%, when prompted.

The LCD screen will display "WINTERIZE IN PROGRESS".

When complete the LCD screen will display WINTERIZE COMPLETE.

Do not adjust throttle or engine until winterization is complete and the engine has shut OFF.

5.) Repeat these steps from each ICON PRO tachometer for all other engines in the system.
Winterizing the Engine (G2 Engines)

The engine must be running to use this feature. Refer to the Outboard Operator's Guide for complete procedure and Safety Precautions.

1.) Attach a laptop equipped with EvDiag 6 to the diagnostic port on the outboard.
2.) Open EvDiag 6 and click on the Connect to the Network box.
3.) Once EvDiag 6 has established communication with the network, click on the BRP engine controller (EMM) option.
4.) Close the Engine Report box when it appears and click on Settings at the top of the screen.
5.) When the Settings box appears, click on the Start Winterization box.
6.) The engine will run the winterization process and the gauge will display, WINTERIZATION IN PROGRESS.
7.) When the winterization process is complete, the gauge will return to the home screen and the engine will shut off.
FUEL SETUP FOR G1 ENGINES

Use the FUEL SETUP menu to add fuel, reset the fuel used, set the tank size, select the fuel sender, calibrate the fuel sender, set the low fuel warning and select the fuel remaining source for each tank.

The Totalizer settings are used to reset the Totalizer fuel data and to set the Totalizer low fuel warning.

To enter the FUEL SETUP menu:

1.) Press the MODE button once.
2.) Use the UP or DOWN buttons to select EDIT MENU.
3.) Press and hold the MODE button to enter the selection.
4.) Use the UP or DOWN buttons to select FUEL SETUP.
5.) Press and hold the MODE button to enter the selection.
Fuel Tank Setup

Use FUEL SETUP to set fuel tank capacity, select fuel sender, calibrate fuel sender, set the low fuel warning, add fuel, reset fuel used, and select fuel remaining source for each fuel tank. To perform these tasks enter the FUEL SETUP menu, then:

1.) Use the UP or DOWN buttons to select the appropriate fuel tank.
2.) Press and hold the MODE button to enter the selection.
3.) Follow the steps in the next sections.
Fuel Tank Capacity

Enter the FUEL SETUP menu then:

1.) Use the UP or DOWN buttons to select TANK SIZE.
2.) Press and hold the MODE button to enter the TANK SIZE menu.
3.) Use the UP or DOWN buttons to set the capacity of that fuel tank.
4.) Press and hold the MODE button to save the setting.
5.) The LCD screen will display SETTING SAVED! and the gauge will issue an audible beep.

NOTE: Holding the UP or DOWN button will increase or decrease the amount in a more rapid fashion.
Select Fuel Sender Source

The ICON gauge package can monitor the fuel sender from the NMEA 2000 buss or from an analog input. Fuel level can also be calculated using engine fuel flow data. To set the fuel sender SOURCE:

1.) Use the UP or DOWN buttons to select SOURCE.
2.) Press and hold the MODE button to enter the selection.
3.) Use the UP or DOWN buttons to select the correct fuel sender source.
4.) Press and hold the MODE button to save the setting.
Calibrate Fuel Sender

Fuel tank senders can be calibrated using a 2, 3 or 5-point calibration. To begin the calibration the fuel tank MUST be empty. Use a 5-point calibration to achieve the best fuel level accuracy. To calibrate the fuel sender, enter the FUEL SETUP menu then:

1.) Use the UP or DOWN buttons to select CAL SENDER.
2.) Use the UP or DOWN buttons to select the desired 2, 3 or 5-point calibration method.
3.) Press and hold the MODE button to begin the calibration process.
4.) Follow the on-screen prompts for each step of the calibration process. When the calibration points are saved the LCD will display SETTING SAVED! and the gauge will issue an audible beep.

IMPORTANT: Be sure to press and hold the MODE button to save each calibration point.
LOW FUEL Warning

The low warning alarm is used to let the user know when the tank has emptied below a set volume.

To set the LOW WARN alarm, enter the FUEL SETUP menu and then:

1.) Use the UP or DOWN buttons to select LOW WARN.
2.) Press and hold the MODE button to enter the selection.
3.) Press the UP button to increase, or press the DOWN button to decrease the low fuel warning.
4.) Press and hold the MODE button to save the selection.
5.) The LCD screen will display SETTING SAVED! and the gauge will issue an audible beep.
Tank Setup for G2 Engines

1.) Connect a laptop equipped with EvDiag6 to the diagnostic port of the outboard.
2.) Open EvDiag6 and connect to the network.
3.) Select the *Teleflex Throttle/Shift Control option*.
4.) Click on the Fluid Levels box at the top of the screen. This will bring up the fluid level configuration box where the instances for each tank will need to be configured.
5.) Select Fuel or Oil for each tank within the proper Fluid Channel box. **NOTE:** Channels 0 and 1 are set to fuel by default while channels 2 and 3 are set to oil by default.

6.) Set the capacity of each tank by entering the value into the proper capacity box.
7.) Enter the Low and High Level Alarms into the Low Level Alarm and High Level Alarm boxes within the proper Fluid Channel box.

**NOTE:** Setting these values will trigger an alarm when the tanks reach the set high and low values.

8.) Set the tank level calibration for each tank within the proper Fluid Channel box.

Each tank can be set to either 2, 3 or 5 point calibration.

When the level sender is set to a 2 point calibration, the level sender will read only 100% and 0%.

When the level sender is set to a 3 point calibration, the level sender will read 100%, 50% and 0%.

When the level sender is set to a 5 point calibration, the level sender will read 100%, 75%, 50%, 25% and 0%.

9.) Save the settings by clicking on the Save Configuration box or reset all of the settings by clicking on the Factory Default box.
Fuel Remaining Source

The ICON 2 inch fuel gauge and the fuel data field displayed by the LCD screen on the tachometer display the fuel level determined by the fuel REMAINING SOURCE.

IMPORTANT: Selection of ENGINE requires correct management of FUEL ADDED at every fill-up.

1.) Use the UP or DOWN buttons to select REMAIN SRC.
2.) Press and hold the MODE button to enter the selection.
3.) Use the UP or DOWN buttons to select the Remaining Source.
   - Select SENDER for fuel tanks that use a sender.
   - Select ENGINE for fuel tanks that do not use a sender.
4.) Press and hold the MODE button to save the selection.
Max Speed

The Max Speed function records the highest speed during the last period since reset.

To view or reset the max speed enter the EDIT menu then:

1.) Use the UP or DOWN buttons to select the MAX SPEED.
2.) Press and hold the MODE button to enter the selection.
3.) Follow the steps in the next sections.
View Max Speed

1.) Use the UP or DOWN buttons to select VIEW.
2.) Press and hold the MODE button to enter the selection.

NOTE: The MAX SPEED is displayed on the ICON tachometer display.
Resetting Max Speed

1.) Use the UP or DOWN buttons to select RESET.
2.) Press and hold the MODE button to enter the selection.
3.) Use the UP or DOWN buttons to select YES to reset the Max Speed.
4.) Select NO to exit.
5.) Press and hold the MODE button to reset the data. The LCD screen will display SETTING SAVED! and the gauge will issue an audible beep.
Available Data Pages

There are twelve available data pages. It is up to the operator to choose the data pages to be displayed on the home screens.

For a full list of available data pages to be displayed on the twelve data pages please reference the full list on page 138 of this manual.
Display Settings

The Display Settings control the data page’s appearance and functionality. They allow you to set the number of data pages shown, edit the fields that are shown on each page, turn ON or OFF the auto scrolling feature and to set the display units.

To change the display setting:

1.) Press the MODE button once.
2.) Use the UP or DOWN buttons to select the EDIT MENU.
3.) Press and hold the MODE button to enter the selection.
4.) Use the UP and DOWN buttons to select DISPLAY.
5.) Press and hold the MODE button to enter the selection.
Set Number of Data Pages

There are twelve default data pages. Each data page can contain up to two data fields. To add or delete data pages enter the DISPLAY menu, then:

1.) Use the UP or DOWN buttons to select # OF SCREENS.
2.) Press and hold the MODE button to enter the selection.
3.) Press the UP button to increase, or press the DOWN button to decrease the number of data pages.

The minimum number of data pages is one.

Press and hold the MODE button to save the selection. The LCD will display SETTING SAVED! and the gauge will issue an audible beep.
Data Page Auto–Scrolling

The data page AUTO SCROLL feature, when active, automatically scrolls through the data pages at a user-defined interval. To setup and activate auto scroll, enter the DISPLAY menu, then:

1.) Use the UP or DOWN buttons to select AUTO SCROLL.
2.) Press and hold the MODE button to enter the selection.
3.) Use the UP or DOWN buttons to select STATUS.
4.) Press and hold the MODE button to enter the selection.
5.) Use the UP or DOWN buttons to select ON or OFF.
6.) Press and hold the MODE button to save the status selection.
To Change The Auto Scroll Interval:

1.) Use the UP or DOWN buttons to select TIME.
2.) Press and hold the MODE button to enter the selection.
3.) Press the UP button to increase the interval.
4.) Press the DOWN button to decrease the interval.
5.) Press and hold the MODE button to enter the selection.
6.) Press and hold the MODE button to save the interval setting.
7.) The LCD screen will display SETTING SAVED! and the gauge will issue an audible beep.

**NOTE:** The minimum Auto Scroll interval is 1 second while the maximum interval is 60 seconds.
Screen Setup

Use Screen Setup to select the data fields to be displayed. To edit the data fields displayed, enter the DISPLAY menu, then:

1.) Use the UP or DOWN buttons to select SCREEN SETUP.
2.) Press and hold the MODE button to enter the selection.
3.) Use the UP or DOWN buttons to select the page number to edit the data fields.
4.) Press and hold the MODE button to enter the page to edit.
5.) Use the UP or DOWN buttons to select the data field to display on line one.

6.) Press and hold the MODE button to save the selection.

7.) The LCD screen will display SETTING SAVED! and the gauge will issue an audible beep.
Setting the Line 2 Data

The ICON tachometer can show limited data on the second line of the LCD display. To change the Line 2 data, enter the DISPLAY menu then:

1.) Use the UP and DOWN buttons to select LINE 2 DATA
2.) Press and hold the MODE button to enter the selection.
3.) Use the UP and DOWN button to select the data that will show in the line 2 display.
4.) Hold the MODE button to save the selection.
5.) The LCD will display SETTING SAVED! and the gauge will issue an audible beep.

**NOTE:** The choices of the Line 2 Data are Fuel Level, Trim, Load, Throttle, Water Level, Oil Level, Ballast, Baitwell, Freshwater, Grey Water, Black Water and OFF.
LCD Color

The ICON gauge package has the ability to change the color of the LCD back light. To change the color of the LCD back lighting, enter the DISPLAY menu then:

1.) Use the UP and DOWN buttons to select the LCD COLOR.
2.) Press and hold the MODE button to enter the selection.
3.) Use the UP or DOWN buttons to select the desired colors.
4.) Press and hold the MODE buttons to save the selection.

**NOTE:** The color choices for the ICON gauge package are WHITE, YELLOW, GREEN YELLOW, GREEN, DARK SEA GREEN, CYAN, BLUE, PURPLE, PINK, GOLDENROD and TAN.
Data Sources for G1 Engines

Use the DATA SOURCES menu to set the engine instance and set or reset the maintenance interval for the engine. Use the data sources menu to set instance ID for 2 inch ICON Battery and Oil Level gauges. The ICON tachometer is capable of using up to five analog senders for Fuel, Trim, Ballast, Bait Well, Rudder, Fresh Water, Gray Water or Black Water. Refer to the current ICON Gauge Installation Guide for installation instructions. To enter the data sources menu:

1.) Press the MODE button once.
2.) Use the UP or DOWN buttons to select EDIT MENU.
3.) Press and hold the MODE button to enter the selection.
4.) Use the UP or DOWN buttons to select DATA SOURCES.
5.) Press and hold the MODE button to enter the selection.
Tanks

The Tanks data source is where the source of the information that is received from a certain tank will display.

The ICON tachometer can display information from an analog (US 240-33, EU 10-180 Fuel Senders), or digital sources (Bus DATA).

To make changes to the tank’s data source, enter the DATA SOURCES menu then:

1.) Use the UP or DOWN buttons to select TANKS.
2.) Press and hold the MODE button to enter the selection.
3.) Use the UP and DOWN buttons to select the TANK# in which to make changes.
4.) Press and hold the MODE button to enter the selection.
5.) Use the UP or DOWN buttons to select TANK SOURCE.
6.) Press and hold the MODE button to save the new selection. The LCD will display SETTING SAVED! and the gauge will issue an audible beep.
7.) Repeat for all tanks.

**IMPORTANT:** If an analog source is selected, the pin the analog signal is attached to will need to be specified.
Engine

The ENGINE data source was set during system setup. To change the ENGINE ID enter the DATA SRCS menu, then:

1.) Use the UP or DOWN buttons to select ENGINE.
2.) Press and hold the MODE button to enter the selection.
3.) Use the UP or DOWN buttons to select ENGINE ID.
4.) Press and hold the MODE button to enter the selection.
5.) Use the UP or DOWN buttons to select the new ENGINE ID.
6.) Press and hold the MODE button to save the new ENGINE ID.

NOTE: If there is only one engine, the engine ID is SINGLE.
Engine Maintenance Interval

The ICON tachometer can monitor the engine hours and notify the operator when maintenance is needed. To set the MAINTENANCE INTERVAL enter the DATA SRCS menu, then:

1.) Use the UP or DOWN buttons to select ENGINE.
2.) Press and hold the MODE button to enter the selection.
3.) Use the UP or DOWN buttons to select MAINT INTRV.
4.) Press and hold the MODE button to enter the selection.
5.) Press the UP button to increase, or press the DOWN button to decrease the Maintenance Interval.
6.) Press and hold the MODE button to save the setting.

NOTE: A pop up window will appear when the pre-set maintenance interval has been reached.
Reset the Engine Maintenance Interval

To reset the engine maintenance interval, enter the DATA SOURCES menu, then:

1.) Use the UP or DOWN buttons to select ENGINE.
2.) Press and hold the MODE button to enter the selection.
3.) Use the UP or DOWN buttons to select RESET INTRV.
4.) Press and hold the MODE button.

At the prompt: RESET INTERVAL?

5.) Use the UP or DOWN buttons to select YES to reset the maintenance interval, or select NO to exit.
Trim

The ICON gauge package can monitor multiple trim senders. The default trim sender is set to NMEA 2000. To change the trim sender setting, enter the DATA SOURCES menu, then:

1.) Use the UP or DOWN buttons to select TRIM.
2.) Press and hold the MODE button to enter the selection.
3.) Use the UP or DOWN buttons to select TRIM SENDER.
4.) Press and hold the MODE button to enter the selection.
5.) Use the UP or DOWN buttons to select the desired trim sender.
6.) Press and hold the MODE button to save the selection.
**Calibrate Trim Sender**

Use the *ICON* tachometer to calibrate the trim sender. To calibrate the trim sender, enter the DATA SRCS menu, then:

1.) Use the UP or DOWN buttons to select TRIM.
2.) Press and hold the MODE button to enter the selection.
3.) Use the UP or DOWN buttons to select CAL SENDER.
4.) Press and hold the MODE button to enter calibration.
5.) The LCD screen displays: HOLD MODE FOR > 1 SEC WHEN TRIM FULL DOWN,
6.) Make sure the engine is in the full trim DOWN position. Then press and hold the MODE button to save the trim DOWN position.
7.) The LCD screen displays: SETTING SAVED!
8.) The LCD Screen displays: HOLD MODE FOR > 1 SEC WHEN TRIM FULL UP
9.) Make sure the engine is in the full trim up position.
10.) Press and hold the MODE button to save the trim up position.
11.) The LCD screen will display SETTING SAVED! and the gauge will issue an audible beep.
12.) The trim sender is now calibrated.
Battery (G1 Engines)

Use the Battery data source to determine the number of batteries that are installed in the system. By default, the battery instance matches the engine ID. The number of batteries is set to the number of engines selected during system setup. To change battery settings, enter the DATA SOURCES menu then:

1.) Use the UP or DOWN buttons to select BATTERY.
2.) Press and hold the MODE button to enter the selection.
3.) Use the UP or DOWN buttons to select the number of batteries.
4.) Press and hold the MODE button to save the selection.
5.) The LCD screen will display SETTING SAVED! and the gauge will issue an audible beep.
Water Temperature

Use the Water Temp Data Source to determine the source of the Water temperature used in the system. To change the water temperature send data source, enter the DATA SOURCES menu then:

1.) Use the UP or DOWN buttons to select WATER TEMP
2.) Press and hold the MODE button to enter the selection.
3.) Use the UP or DOWN buttons to select the WATER TEMP sender type used in the system.
4.) Press and hold the MODE button to enter the selection.
Air Temp

Use the Air Temp data source to determine the source of the air temperature used in the system. To change the air temperature data source, enter the DATA SOURCES menu then:

1.) Use the UP or DOWN buttons to select AIR TEMP
2.) Press and hold the MODE button to enter the selection
3.) Use the UP or DOWN buttons to select the AIR TEMP sender type which is used in the system
4.) Press and hold the MODE button to enter the selection.
5.) The LCD screen will display SETTING SAVED! and the gauge will issue an audible beep.

**NOTE:** If an analog source is chosen, select the proper pin that the analog signal is attached to in the tachometer.
Speed

Use the Battery data source to determine the number of batteries that are installed in the system. By default, the battery instance matches the engine ID. The number of batteries is set to the number of engines selected during system setup. To change battery settings, enter the DATA SOURCES menu then:

1.) Use the UP or DOWN buttons to select BATTERY.
2.) Press and hold the MODE button to enter the selection.
3.) Use the UP or DOWN buttons to select the number of batteries.
4.) Press and hold the MODE button to save the selection.
5.) The LCD screen will display SETTING SAVED! and the gauge will issue an audible beep.
Steering Angle

Use the Battery data source to determine the number of batteries that are installed in the system. By default, the battery instance matches the engine ID. The number of batteries is set to the number of engines selected during system setup. To change battery settings, enter the DATA SOURCES menu then:

1.) Use the UP or DOWN buttons to select BATTERY.
2.) Press and hold the MODE button to enter the selection.
3.) Use the UP or DOWN buttons to select the number of batteries.
4.) Press and hold the MODE button to save the selection.
5.) The LCD screen will display SETTING SAVED! and the gauge will issue an audible beep.
Pop Up Alerts

The POP-UPS feature alerts users when changes occur in a monitored data field. The ICON tachometer has Pop Ups available for RPM, TRIM CHANGE, FUEL ECONOMY, DURATION, EST RANGE and SPEED.

The pop up default setting is OFF. To turn ON pop ups and set the threshold for data fields:

1.) Press the MODE button once.
2.) Use the UP or DOWN buttons to select EDIT MENU.
3.) Press and hold the MODE button to enter the selection.
4.) Use the UP or DOWN buttons to select POP UP ALERTS.
5.) Press and hold the MODE button to enter the selection.
To Turn the Pop Up ON or OFF:
1.) Use the UP or DOWN buttons to select the desired POP UP alert.
2.) Press and hold the MODE button to enter the selection.
3.) Use the UP or DOWN buttons to select STATUS.
4.) Press and hold the MODE button to save the selection.
5.) Use the Up or DOWN buttons to select ON or OFF.
6.) Press and hold the MODE button to save the selection.
To Set the Pop Up Threshold Value:
The POP UP threshold value is the value that will trigger a POP UP alert to activate.

1.) Use the UP or DOWN buttons to select VALUE.
2.) Press and hold the MODE button to enter the selection.
3.) Use the UP or DOWN buttons to set the desired value to activate the pop-up.
4.) Press and hold the MODE button to save the setting.
5.) The LCD screen will display SETTING SAVED!
Pop Up Duration

Set the pop up DURATION to define the amount of time a pop up screen remains visible before returning to the current data page. To set the pop up duration enter the POP UPS menu, then:

1.) Use the UP or DOWN buttons to select DURATION.
2.) Press and hold the MODE button to enter the selection.
3.) Press the UP button to increase or the press the DOWN button to decrease the pop up duration.
4.) Press and hold the MODE button to save the setting.
Setting Custom Alarms

A custom alarm can be set for select data fields present in the tachometer.

To set a custom pop up:

1.) Press and hold the MODE button to enter the Menu Options.
2.) Use the UP or DOWN buttons to select CSTM ALARMS.
3.) Press and hold the MODE button to make the desired selection.
4.) Use the UP or DOWN buttons to select the desired data field.
5.) Press and hold the MODE button to save the selection.
6.) Continue with the steps in the next sections.

NOTE: Available data fields are OIL PRESSURE and ENGINE TEMPERATURE.
Turn a Custom Alarm ON or OFF

1.) Use the UP or DOWN buttons to select STATUS
2.) Press and hold the MODE button to enter the selection.
3.) Use the UP or DOWN button to select ON or OFF.
4.) Press and hold the MODE button to save the selection.
Set Custom Alarm Threshold Value

The CUSTOM ALARMS threshold value is the value that will trigger a CUSTOM ALARM alert to activate.

1.) Use the UP or DOWN button to select VALUE.
2.) Press and hold the MODE button to enter the selection.
3.) Use the UP or DOWN buttons to set the desired value to activate the pop-up.
4.) Press and hold the MODE button to save the setting.
Data Sources for G2 Engines

Use the DATA SOURCES menu to set the tank source, remaining source, view engine type, select and calibrate the trim sender and choose the rudder source. To enter the data sources menu:

1.) Press the MODE button once.
2.) Use the UP and DOWN to scroll to EDIT MENU.
3.) Press and hold the MODE button to enter the EDIT MENU.
4.) Use the UP and DOWN buttons to scroll to DATA SOURCES.
5.) Press and hold the MODE button to enter the DATA SOURCES menu.
Tanks

The Tanks data source is where the source of the information that is received from a certain tank will display.

The tanks that are available for changes are:

- LIVEWELL 1, 2 AND 3,
- GREYWATER 1, 2 AND 3
- BALLAST 1, 2, AND 3
- OIL LEVEL 9, 10 AND 11
- FRESHWATER 1, 2 AND 3
- BLACKWATER 1, 2 AND 3

To make changes to the tank’s data source, enter the DATA SOURCES menu then:

1.) Use the UP or DOWN buttons to select TANKS.
2.) Press and hold the MODE button to enter the selection.
3.) Use the UP and DOWN buttons to select the TANK# in which to make changes.
Remain Source

The Remain Source menu is where the remaining fuel source or the engine fuel rate can be chosen.

To make changes to the REMAIN SOURCE menu, enter the DATA SOURCES menu then:

1.) Use the UP or DOWN buttons to choose FUEL LEVEL or ENG. FUEL RATE.
2.) Press and hold the MODE button to enter the selection.
3.) Use the UP and DOWN buttons to make changes to the specified selection.
Engine

The Engine menu is where the engine type can be viewed, the intervals can be reset and the maintenance intervals can be reset.

To make changes to the ENGINE menu, enter the DATA SOURCES menu then:

1.) Use the UP or DOWN buttons to choose VIEW TYPE, RESET INTERVAL, MAINTENANCE INTERVALS and ENGINE ID
   • VIEW TYPE - Choose from g1 or G2.
   • RESET INTERVAL - Reset selected intervals.
   • MAINT INTERVALS - Change the set maintenance intervals.
   • ENGINE ID - Choose from Single or Twin.

2.) Press and hold the MODE button to enter the selection.
3.) Use the UP and DOWN buttons to make changes to the specified selection.
**Trim**

The ICON tachometer can monitor multiple trim senders. By default the trim sender is set to NMEA 2000. To change the trim sender setting, enter the DATA SOURCES menu then:

1.) Use the UP or DOWN buttons to select TRIM.
2.) Press and hold the MODE button to enter the selection.
3.) Use the UP or DOWN buttons to select SELECT SENDER.
4.) Press and hold the MODE button to enter the selection.
5.) Use the UP or DOWN buttons to select the desired trim sender.
6.) Press and hold the MODE buttons to save the selection.

**Calibrate Trim Sender:**

1.) Use the UP or DOWN buttons to select TRIM.
2.) Press and hold the MODE button to enter the selection.
3.) Use the UP or DOWN buttons to select CAL SENDER.
4.) Press and hold the MODE button to enter calibration.
5.) The LCD screen displays: HOLD MODE FOR > 1 SEC WHEN TRIM FULL DOWN,
6.) Make sure the engine is in the full trim DOWN position. Then press and hold the MODE button to save the trim DOWN position.
7.) The LCD screen displays: SETTING SAVED!
Rudder

The RUDDER menu is where the rudder source selection can be adjusted.

To make changes to the RUDDER menu, enter the DATA SOURCES menu then:

1.) Use the UP or DOWN buttons to choose the proper pin selection.
2.) Press and hold the MODE button to save the selection.
Battery (G2 Engines)

Use the Battery data source to determine the number of batteries that are installed in the system. By default, the battery instance matches the engine ID. The number of batteries is set to the number of engines selected during system setup. To access the batteries showing on the gauge:

1.) Press the MODE button once.
2.) Use the UP and DOWN buttons to scroll to EDIT MENU.
3.) Press and hold the MODE button to enter the EDIT MENU.
4.) Use the UP and DOWN buttons to scroll to DISPLAY.
5.) Press and hold the MODE buttons to enter the DISPLAY menu.
6.) Use the UP and DOWN buttons to change the screen number to setup.

7.) Press and hold the MODE button to save the selection.

8.) Use the UP and DOWN buttons to choose which battery number will display on the selected screen.

**IMPORTANT:** The battery numbers are the same as the set engine instances.
Depth Warning (If Equipped)

If equipped with a *NMEA 2000* depth sounder, custom pop ups for Shallow Water and Deep Water can be set. For accurate warnings, set the KEEL OFFSET for the boat. To set depth alarms enter the pop ups CSTM ALRMS menu, then:

1.) Use the UP or DOWN buttons to select DEPTH WARN.
2.) Press and hold the MODE button to enter the selection.
3.) Use the UP or DOWN buttons to select SHALLOW, DEEP WATER or KEEL OFFSET.
4.) Press and hold the MODE button to enter the selection.
5.) Use the UP or DOWN buttons to set the desired depth.
6.) Press and hold the MODE button to save the setting.
Speedometer Operation
Default Pages

When the self-test is complete the ICON speedometer displays the default data page. The factory default data pages are shown below.

Press the UP or DOWN buttons to scroll through the default display pages.

![Default Data Pages Image]

- **CLOCK**: 12:00 AM
- **T1: FUEL**: Full
- **LATITUDE**: 0°0.000 N
- **COG**: 259° TRUE
- **LONGITUDE**: 0°0.000 N
- **GPS SPEED**: 27 MPH
Edit Menu Options

Use EDIT MENU to change ICON gauge settings. The speedometer edit menu options are:

- **SYSTEM**: Use to make global speedometer changes.
- **DISPLAY**: Use to edit data pages.
- **DATA SRCS**: Used to set data sources.
- **MAXSPEED**: Use to view/reset maximum speed recorded.

1.) Press the MODE button once to display the Menu Options.
2.) Use the UP or DOWN buttons to select the desired menu option.
3.) Press and hold the MODE button to enter the selected menu option.
SYSTEM

Use the SYSTEM menu to adjust audio settings, perform a self-test or master reset, and to view the current software version for the speedometer.

1.) Press the MODE button once.
2.) Use the UP or DOWN buttons to select SYSTEM.
3.) Press and hold the MODE button to enter the selection.
4.) Use the UP or DOWN buttons to select AUDIO or MASTER RESET.
5.) Press and hold the MODE button to enter the selection.
Audio Settings

Use the AUDIO menu to turn the horn ON or OFF for saving settings or pressing buttons.

To enter the AUDIO menu:

1.) Press the MODE button once.
2.) Use the UP or DOWN buttons to select the SYSTEM menu.
3.) Press and hold the MODE button to enter the selection.
4.) Use the UP or DOWN buttons to select AUDIO.
5.) Press and hold the MODE button to enter the AUDIO menu.
Setting Saved

Use SETTING SAVED to turn the horn ON or OFF after a setting is saved in the ICON speedometer. To change the setting enter the AUDIO menu, then:

1.) Use the UP or DOWN buttons to select SETTING SAVED.
2.) Press and hold the MODE button to enter the selection.
3.) Use the UP or DOWN buttons to select ON or OFF.
4.) Press and hold the MODE button to save the setting. The gauge will display SETTING SAVED!
**Button Press**

Use BTN PRESS to turn the horn ON or OFF when a button is pressed on the speedometer. To change the setting enter the AUDIO menu, then:

1.) Use the UP or DOWN buttons to select BUTTON PRESS.
2.) Press and hold the MODE button to enter BUTTON PRESS.
3.) Use the UP or DOWN buttons to select ON or OFF.
4.) Press and hold the MODE button to save the setting. The gauge will display SETTING SAVED!
System Audio

Use ALL to turn the horn ON or OFF for all audio menu options. To change the setting enter the AUDIO menu, then:

1.) Use the UP or DOWN buttons to select ALL.
2.) Press and hold the MODE button to enter ALL.
3.) Use the UP or DOWN buttons to select ON or OFF.
4.) Press and hold the MODE button to save the setting. The LCD screen will display SETTING SAVED!
Master Reset

Use the MASTER RESET feature to reset the speedometer to the factory default settings.

To perform a master reset, enter the SYSTEM menu, then:

1.) Use the UP or DOWN buttons to select MASTER RESET.
2.) Press and hold the MODE button to enter the selection.
3.) Use the UP or DOWN buttons to select YES or NO.
4.) Press and hold the MODE button to enter the selection.

If NO is selected the gauge will exit to the SYSTEM menu. If YES is selected continue with the next step.

A warning message will display for five seconds and the horn will beep three times. Next, the LCD screen will display the message: CONTINUE WITH RESET?

5.) Use the UP or DOWN buttons to select YES or NO.
6.) Press and hold the MODE button to enter the selection.

If NO is selected, the gauge will exit to the SYSTEM menu.

If YES is selected, the ICON gauge will be reset to the factory default settings.
Software Version

Use the SOFTWARE feature is used to view the current version of software operating in the speedometer. This information may be useful when communicating with technical support.

To view the software version, enter the SYSTEM menu, then:

1.) Use the UP or DOWN buttons to select SOFTWARE.
2.) Press and hold the MODE button to enter the selection.

The LCD screen will display the:
• program identifier (starts with the letters “PGF”)
• revision for the program identifier
• release date for the software
DISPLAY

Use the DISPLAY menu to control the appearance and functionality of data pages. Also use the display menu to set the number of data pages, edit data fields, select the default data page, and turn optional features ON or OFF. To change the display settings:

1.) Press the MODE button once.
2.) Use the UP or DOWN buttons to select DISPLAY.
3.) Press and hold the MODE button to enter the selection.
4.) Use the UP or DOWN buttons to select DISPLAY.
5.) Press and hold the MODE button to enter the selection.
Set Number of Data Pages

The default number of data pages is three. A data page can contain up to two data fields. To add or delete data pages enter the DISPLAY menu, then:

1.) Use the UP or DOWN buttons to select # OF SCREENS.
2.) Press and hold the MODE button to enter the selection.
3.) Press the UP button to increase, or press the DOWN button to decrease the number of data pages.

The minimum number of data pages is one and the maximum is twenty two.

4.) Press and hold the MODE button to save the selection.
Screen Setup

Use Screen Setup to select the data fields to be displayed. To edit the data fields displayed, enter the DISPLAY menu, then:

1.) Use the UP or DOWN buttons to select SCREENSETUP.
2.) Press and hold the MODE button to enter the selection.
3.) Use the UP or DOWN buttons to select the page number to edit the data fields.
4.) Press and hold the MODE button to enter the page to edit.
5.) Use the UP or DOWN buttons to select the data field to display on line one.

6.) Press and hold the MODE button to save the selection.

7.) Repeat steps 4 through 6 to select the data field to display on line two of the selected data page.
Data Page Auto–Scrolling

The data page AUTO SCROLL feature automatically scrolls through the data pages at a user-defined interval. To setup and activate auto scroll, enter the DISPLAY menu, then:

1.) Use the UP or DOWN buttons to select AUTO SCROLL.
2.) Press and hold the MODE button to enter the selection.
3.) Use the UP or DOWN buttons to select STATUS.
4.) Press and hold the MODE button to enter the selection.
5.) Use the UP or DOWN buttons to select ON or OFF.
6.) Press and hold the MODE button to save the status selection.
To change the Auto Scroll interval:

1.) Use the UP or DOWN buttons to select TIME.

2.) Press and hold the MODE button to enter the selection.

3.) Press the UP button to increase, or press the DOWN button to decrease the interval.

4.) Press and hold the MODE button to enter the selection.

The minimum Auto Scroll interval is one second while the maximum interval is 60 seconds.

5.) Press and hold the MODE button to save the interval setting.
DATA SOURCES

Use the DATA SOURCES menu to set up to five analog senders for Speed, Sea Water temperature and Air Temperature. Refer to the current ICON Gauge Installation Guide for installation instructions. To enter the data sources menu:

1.) Press the MODE button once.
2.) Use the UP or DOWN buttons to select EDIT MENU.
3.) Press and hold the MODE button to enter the selection.
4.) Use the UP or DOWN buttons to select DATA SRCS.
5.) Press and hold the MODE button to enter the selection.
Select Speedometer Source

The default SPEEDOMETER source is set to GPS. To change the speedometer source enter the DATA SRCS menu, then:

1.) Use the UP or DOWN buttons to select SPEEDO.
2.) Press and hold the MODE button to enter the selection.
3.) Use the UP or DOWN buttons to select PADL WHEEL, GPS or BUS DATA.

IMPORTANT: Set the SPEEDO source to PADL WHEEL when an analog paddle wheel transducer is used as the speed input source.

Set the SPEEDO source to GPS when GPS data is used as the speed input source.

Set the SPEEDO source to BUS DATA when an NMEA 2000 paddle wheel transducer is used as the speed input source.

4.) Press and hold the MODE button to enter the selection.
Select Sea Water Temperature Source

The default Sea WATER TEMPERATURE source is set to ANALOG sender. To change the sea water temperature source enter the DATA SRCS menu, then:

1.) Use the UP or DOWN buttons to select WATER TEMP.
2.) Press and hold the MODE button to enter the selection.
3.) Use the UP or DOWN buttons to select ANALOG or BUS DATA.
4.) Press and hold the MODE button to enter the selection.
Select Air Temperature Source

The default AIR TEMPERATURE Source is set to ANALOG sender. To change the air temperature source enter the DATA SRCS menu, then:

1.) Use the UP or DOWN buttons to select AIR TEMP.
2.) Press and hold the MODE button to enter the selection.
3.) Use the UP or DOWN buttons to select ANALOG or BUS DATA.
4.) Press and hold the MODE button to enter the selection.
MAXIMUM SPEED

Use MAXIMUM SPEED to record the maximum speed the speedometer has reached. To view or reset the MAX SPEED enter the EDIT MENU, then:

1.) Use the UP or DOWN buttons to select MAX SPEED.
2.) Press and hold the MODE button to enter the selection.

To VIEW the MAX SPEED:

3.) Use the UP or DOWN buttons to select VIEW.
4.) Press and hold the MODE button to view the MAX SPEED.

To RESET the MAX SPEED:

5.) Use the UP or DOWN buttons to select RESET.
6.) Press and hold the MODE button to RESET the MAX SPEED.

The LCD screen will display: RESET MAX SPEED?

7.) Use the UP or DOWN buttons to select YES to RESET, or select NO to EXIT.
8.) Press and hold the MODE button to save the selection.
Troubleshooting
Troubleshooting Steps

Use a process of elimination to troubleshoot network problems.

1. If the LCD screen of the ICON gauge displays a value of zero (0) in any data field, it indicates the gauge is not receiving a signal from one or more devices.

- Make sure the data sources are configured.
- If multiple data fields are displaying “0”, check common items such as cables and t-connectors.
- Remove components from the network one at a time to isolate failed components.
- Look for damaged parts.
- Check connectors for corrosion.
- Swap known good components (sensor, cables or t-connectors) to isolate the faulty component.
- Reconnect the good component to the network and remove the next one in line.
- Continue this process for each device, cable or tee connector on the network until the faulty part is found.

**NOTE:** After a component is reconnected to the network, cycle the key switch OFF and back ON to reset the gauge(s).
# Engine Warnings

*ICON* gauges monitor engine conditions and display warnings in the event of a malfunction. Refer to the outboard *Operator’s Guide* if engine warnings are displayed.

<table>
<thead>
<tr>
<th>ENGINE WARNING</th>
<th>TYPE OF ERROR</th>
<th>POSSIBLE CAUSE</th>
<th>PROCEDURE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engine TPS Fault</td>
<td>Critical</td>
<td>A throttle position sensor fault has been detected.</td>
<td>Seek assistance to return to a safe harbor immediately and see your dealer.</td>
</tr>
<tr>
<td>Engine Oil Pressure Low</td>
<td>Critical</td>
<td>Engine Oil Pressure is LOW</td>
<td></td>
</tr>
<tr>
<td>Engine Temperature High</td>
<td>Critical</td>
<td>Engine Coolant Temperature is HIGH</td>
<td></td>
</tr>
<tr>
<td>Engine Emergency Stop</td>
<td>Critical</td>
<td>Engine Emergency Stop Mode</td>
<td></td>
</tr>
<tr>
<td>Engine Rev Limit Exceeded</td>
<td>Critical</td>
<td>Engine Speed Limit Exceeded</td>
<td>Slow the engine down</td>
</tr>
<tr>
<td>Check Engine Service</td>
<td>Critical</td>
<td>A “Check Engine” condition is activated when a critical engine condition occurs, or when a service is required.</td>
<td>See your dealer as soon as possible</td>
</tr>
</tbody>
</table>
Engine Warnings

*ICON* gauges monitor engine conditions and display warnings in the event of a malfunction. Refer to the outboard *Operator’s Guide* if engine warnings are displayed.

<table>
<thead>
<tr>
<th>ENGINE WARNING</th>
<th>TYPE OF ERROR</th>
<th>POSSIBLE CAUSE</th>
<th>PROCEDURE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water in Fuel</td>
<td>Warning</td>
<td>Water in Fuel</td>
<td>See your dealer</td>
</tr>
<tr>
<td>Engine Oil Level LOW</td>
<td>Warning</td>
<td>Engine Oil Level is Below Normal</td>
<td>See your dealer</td>
</tr>
<tr>
<td>Engine Boost Pressure HIGH</td>
<td>Warning</td>
<td>Engine Boost Pressure is High</td>
<td>See your dealer</td>
</tr>
<tr>
<td>Engine Coolant Temp LOW</td>
<td>Warning</td>
<td>Engine Coolant Temperature is Below Normal</td>
<td>See your dealer</td>
</tr>
<tr>
<td>System Charge Indicator</td>
<td>Warning</td>
<td>Engine Charging Potential is Below Normal</td>
<td>See your dealer</td>
</tr>
<tr>
<td>Battery Voltage LOW</td>
<td>Warning</td>
<td>Battery Potential is Below Normal</td>
<td>See your dealer</td>
</tr>
<tr>
<td>Engine Maintenance Required</td>
<td>Warning</td>
<td>Maintenance is Required</td>
<td>See your dealer</td>
</tr>
</tbody>
</table>
# Engine Warnings

*ICON* gauges monitor engine conditions and display warnings in the event of a malfunction. Refer to the out-board **Operator’s Guide** if engine warnings are displayed.

<table>
<thead>
<tr>
<th>OTHER ENGINE WARNINGS</th>
<th>TYPE OF ERROR</th>
<th>POSSIBLE CAUSE</th>
<th>PROCEDURE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engine Voltage HIGH</td>
<td>Warning</td>
<td>Battery Potential is Higher than Normal</td>
<td>See your dealer</td>
</tr>
<tr>
<td>Engine Fuel Pressure LOW</td>
<td>Warning</td>
<td>Low Fuel Pressure</td>
<td>See your dealer</td>
</tr>
<tr>
<td>Warning Level 1</td>
<td>Warning</td>
<td></td>
<td>See your dealer</td>
</tr>
<tr>
<td>Warning Level 2</td>
<td>Warning</td>
<td></td>
<td>See your dealer</td>
</tr>
<tr>
<td>Water Flow Low</td>
<td>Warning</td>
<td>Water Flow is Below Normal</td>
<td>See your dealer</td>
</tr>
</tbody>
</table>
**Evinrude E-TEC Engine Warnings**

*ICON* gauges monitor engine conditions and display warnings in the event of a malfunction. The following table lists warnings that are specific to *Evinrude E-TEC* models. Refer to the outboard **Operator’s Guide** if engine warnings are displayed.

<table>
<thead>
<tr>
<th>WARNING MESSAGE DISPLAYED</th>
<th>POSSIBLE CAUSE</th>
<th>PROCEDURE</th>
</tr>
</thead>
<tbody>
<tr>
<td>RPM REDUCE RESTRT ENG FUEL QLTY? SEE DLR</td>
<td>Water in fuel detected.</td>
<td>See dealer for service.</td>
</tr>
<tr>
<td>SENSOR FAULT SERVICE SOON</td>
<td>Water pressure sensor failure.</td>
<td></td>
</tr>
<tr>
<td>CHECK ENGINE WATER IN FUEL</td>
<td>Water-in-fuel detected/sensor has failed.</td>
<td></td>
</tr>
<tr>
<td>CHECK ENGINE WARNING TPS FAULT</td>
<td>Throttle position sensor fault detected.</td>
<td></td>
</tr>
<tr>
<td>CHECK ENGINE SYS VOLT FAULT</td>
<td>Engine 55V circuit out of range.</td>
<td></td>
</tr>
<tr>
<td>ENGINE OVER TEMP FAULT</td>
<td>Engine or <em>EMM</em> above temperature range.</td>
<td>See dealer for service immediately.</td>
</tr>
<tr>
<td>LOW BATTERY FAULT</td>
<td>Battery is discharged.</td>
<td></td>
</tr>
<tr>
<td>NO OIL FAULT</td>
<td>Oil pump/circuit failure.</td>
<td></td>
</tr>
<tr>
<td>RPM REDUCE ICON FAULT 107 SEE DLR</td>
<td><em>ICON</em> Remote Control communication error.</td>
<td></td>
</tr>
<tr>
<td>RPM REDUCE ICON FAULT 108 SEE DLR</td>
<td><em>ICON</em> System has initiated S.A.F.E.</td>
<td></td>
</tr>
<tr>
<td>RPM REDUCE ICON FAULT 111 SEE DLR</td>
<td><em>ICON</em> ESM communication error.</td>
<td></td>
</tr>
<tr>
<td>RPM REDUCE ICON FAULT 149 SEE DLR</td>
<td><em>ICON</em> Throttle Actuator sensor fault.</td>
<td></td>
</tr>
<tr>
<td>RPM REDUCE ICON FAULT 150 SEE DLR</td>
<td><em>ICON</em> Throttle Actuator motion fault.</td>
<td></td>
</tr>
<tr>
<td>RPM REDUCE ICON FAULT 151 SEE DLR</td>
<td><em>ICON</em> Shift Actuator Sensor fault.</td>
<td></td>
</tr>
<tr>
<td>RPM REDUCE ICON FAULT 152 SEE DLR</td>
<td><em>ICON</em> Shift Actuator motion fault.</td>
<td></td>
</tr>
</tbody>
</table>
# Network Troubleshooting Chart

<table>
<thead>
<tr>
<th>OBSERVATION</th>
<th>POSSIBLE CAUSE</th>
<th>PROCEDURE</th>
</tr>
</thead>
<tbody>
<tr>
<td>&quot;0&quot; displayed in data fields.</td>
<td>Data sources are not configured.</td>
<td>Use DATA SRCS menu to configure data source.</td>
</tr>
<tr>
<td><em>ICON</em> system does not power on.</td>
<td>Power Supply Harness fuse is blown.</td>
<td>Check Power Supply Harness, fuses and switched B+ from the ignition harness. See Note below.</td>
</tr>
<tr>
<td>Power Supply Harness blown fuse.</td>
<td>Network current draw is exceeding 3A.</td>
<td>Check all connections and wiring. Disconnect accessory connections to network. Isolate possible overloads or shorted accessory.</td>
</tr>
<tr>
<td>No speed display.</td>
<td>Requires input from <em>NMEA 2000</em> Speed transducer, GPS or paddle wheel.</td>
<td>Check that the device is installed and connected to the network.</td>
</tr>
<tr>
<td>Speed Over Water (SOW) does not display.</td>
<td>Requires input from <em>NMEA 2000</em> GPS.</td>
<td></td>
</tr>
<tr>
<td>Speed Over Ground (SOG) does not display.</td>
<td>Requires <em>NMEA 2000</em> depth transducer.</td>
<td></td>
</tr>
<tr>
<td>Water depth does not display.</td>
<td>Requires <em>NMEA 2000</em> depth transducer.</td>
<td></td>
</tr>
<tr>
<td>Sea water temperature does not display.</td>
<td>Requires <em>NMEA 2000</em> temperature transducer or analog sender.</td>
<td></td>
</tr>
<tr>
<td>Fuel tank level does not display.</td>
<td>Requires fuel level sensor or analog sender.</td>
<td></td>
</tr>
<tr>
<td>No “FUEL ECON”.</td>
<td>Requires input from <em>NMEA 2000</em> GPS.</td>
<td></td>
</tr>
</tbody>
</table>

**Note:** The tachometer harness of the *ICON* gauge network must be connected to the *NMEA 2000* network using the device port of a t-connector. Misaligned t-connectors can cause the *NMEA 2000* network power supply fuse to blow and disrupt or eliminate communication in the system.
<table>
<thead>
<tr>
<th>OBSERVATION</th>
<th>POSSIBLE CAUSE</th>
<th>PROCEDURE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oil tank level does not display.</td>
<td>Requires input from oil tank sender.</td>
<td>Each oil tank uses an outboard position-specific converter.</td>
</tr>
<tr>
<td>Engine water pressure does not display.</td>
<td>Requires input from a water pressure transducer.</td>
<td>If using a block-mounted water pressure transducer, use <em>Evinrude Diagnostics</em> software to set <em>EMM</em>.</td>
</tr>
<tr>
<td>Water pressure faults after initial setup.</td>
<td>Water pump is faulty.</td>
<td>Verify operation of water pump.</td>
</tr>
<tr>
<td></td>
<td>The block-mounted water pressure sensor is not connected to the engine <em>EMM</em>.</td>
<td>Check the connection for the block-mounted water pressure sensor at the engine <em>EMM</em>.</td>
</tr>
<tr>
<td></td>
<td>The <em>NMEA 2000</em> network water pressure sensor is not configured properly.</td>
<td>Replace the <em>NMEA 2000</em> water pressure with a known good component.</td>
</tr>
<tr>
<td></td>
<td>Engine <em>EMM</em> is not correctly configured for the water pressure sensor.</td>
<td>Use <em>Evinrude Diagnostics</em> to verify the water pressure sensor setting.</td>
</tr>
<tr>
<td><em>ICON</em> instrument display is erratic.</td>
<td>Power supply battery voltage is less than 12.5V.</td>
<td>Check for a minimum 12.5V across the terminals of the power supply battery.</td>
</tr>
<tr>
<td></td>
<td>One or more terminators are missing from the <em>NMEA 2000</em> network.</td>
<td>Check for installation of two terminators on the <em>NMEA 2000</em> network.</td>
</tr>
<tr>
<td>Gauge repeatedly reset to factory defaults.</td>
<td>If this occurs during heavy power use, possible poor battery condition exists.</td>
<td>Check system supply battery voltage with engine running. Check Ignition and Ground connections on pins 4 and 5 of the tachometer.</td>
</tr>
</tbody>
</table>
Reference
## Data Fields

### TACHOMETER

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Function</th>
<th>Abbreviation</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>RPM</td>
<td>Engine Speed, Revolutions per Minute</td>
<td>TFUEL USED</td>
<td>Total Fuel Used</td>
</tr>
<tr>
<td>OIL PRESS</td>
<td>Oil Pressure</td>
<td>TFUEL LEFT</td>
<td>Total Fuel Remaining</td>
</tr>
<tr>
<td>OIL Temp</td>
<td>Oil Temperature</td>
<td>TFUEL INST</td>
<td>Total Instantaneous Fuel Flow</td>
</tr>
<tr>
<td>COOLANT</td>
<td>Coolant Temperature</td>
<td>TFUEL AVG</td>
<td>Total Average Fuel Flow</td>
</tr>
<tr>
<td>PORT TEMP</td>
<td>Engine Temperature</td>
<td>FUEL ECON</td>
<td>Fuel Economy</td>
</tr>
<tr>
<td>PORT HOURS</td>
<td>Engine Hours</td>
<td>LAT/LONG</td>
<td>Latitude/Longitude</td>
</tr>
<tr>
<td>TRANS GEAR</td>
<td>Gear Position</td>
<td>GPS SPEED</td>
<td>GPS Speed</td>
</tr>
<tr>
<td>TRANS PRESS</td>
<td>Transmission Oil Pressure</td>
<td>COG</td>
<td>Course Over Ground</td>
</tr>
<tr>
<td>THROTTLE</td>
<td>Throttle Percentage</td>
<td>CLOCK</td>
<td>Clock</td>
</tr>
<tr>
<td>ENGINE LOAD</td>
<td>Engine Load</td>
<td>HEADING</td>
<td>Heading</td>
</tr>
<tr>
<td>FUEL TANK #</td>
<td>Fuel Tank 1 – 5</td>
<td>BATTERY #</td>
<td>Battery 1 – 5</td>
</tr>
<tr>
<td>FUEL USED</td>
<td>Fuel Used</td>
<td>TRIM</td>
<td>Trim</td>
</tr>
<tr>
<td>FUEL LEFT</td>
<td>Fuel Remaining</td>
<td>DEPTH</td>
<td>Depth</td>
</tr>
<tr>
<td>FUEL INST</td>
<td>Instantaneous Fuel Flow</td>
<td>WATER PRESS</td>
<td>Water Pressure</td>
</tr>
<tr>
<td>FUEL FLOW</td>
<td>Average Fuel Flow</td>
<td>BALLAST #</td>
<td>Ballast Tank 1 – 5</td>
</tr>
<tr>
<td>OIL LEVEL #</td>
<td>Oil Level 1 – 5</td>
<td>TRIP A FUEL</td>
<td>Trip A Fuel Used</td>
</tr>
</tbody>
</table>
### TACHOMETER

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Function</th>
<th>Abbreviation</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>BAITWELL</td>
<td>Bait Well</td>
<td>TRIP A ODO</td>
<td>Trip A Odometer</td>
</tr>
<tr>
<td>BLACK WATER</td>
<td>Black Water</td>
<td>TRIP A FAVG</td>
<td>Trip A Average Fuel Flow</td>
</tr>
<tr>
<td>GRAY WATER</td>
<td>Gray Water</td>
<td>SEASON HOURS</td>
<td>Season Engine Hours</td>
</tr>
<tr>
<td>RUDDER</td>
<td>Rudder Angle</td>
<td>SEASON FUEL</td>
<td>Season Fuel Used</td>
</tr>
<tr>
<td>BAROMETER</td>
<td>Barometric Pressure</td>
<td>SEASON ODO</td>
<td>Season Odometer</td>
</tr>
<tr>
<td>TRIP A HOURS</td>
<td>Trip A Engine Hours</td>
<td>SEASON FAVG</td>
<td>Season Average Fuel Flow</td>
</tr>
<tr>
<td>BATTERY #</td>
<td>Battery Identification</td>
<td>FRESH WATER</td>
<td>Fresh Water Tank</td>
</tr>
<tr>
<td>BOOST</td>
<td>Engine Boost</td>
<td>EST RANGE</td>
<td>Estimated Range</td>
</tr>
<tr>
<td>ODOMETER</td>
<td>Odometer</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### SPEEDOMETER

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Function</th>
<th>Abbreviation</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>GPS SPEED</td>
<td>GPS Speed</td>
<td>WATER TEMP</td>
<td>Sea Water Temperature</td>
</tr>
<tr>
<td>SPEED</td>
<td>Paddlewheel Speed</td>
<td>LAT/LONG</td>
<td>Latitude/Longitude</td>
</tr>
<tr>
<td>AIR TEMP</td>
<td>Air Temperature</td>
<td>HEADING</td>
<td>Heading</td>
</tr>
<tr>
<td>COG</td>
<td>Course Over Ground</td>
<td>EST RANGE</td>
<td>Estimated Range</td>
</tr>
<tr>
<td>CLOCK</td>
<td>Clock</td>
<td>FUEL ECON</td>
<td>Fuel Economy</td>
</tr>
<tr>
<td>BAROMETER</td>
<td>Barometric Pressure</td>
<td>FUEL LEFT</td>
<td>Fuel Remaining</td>
</tr>
<tr>
<td>MAX SPEED</td>
<td>Maximum Speed Recorded</td>
<td>TFUEL USED</td>
<td>Total Fuel Used</td>
</tr>
<tr>
<td>FUEL TANK #</td>
<td>Fuel Tank 1 – 5</td>
<td>TFUEL LEFT</td>
<td>Total Fuel Remaining</td>
</tr>
<tr>
<td>FUEL USED</td>
<td>Fuel Used</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
## List of Abbreviations in Tachometer

The ICON gauge displays data using the following abbreviations:

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Function</th>
<th>Abbreviation</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>EST</td>
<td>Estimated</td>
<td>TRIM</td>
<td>Trim</td>
</tr>
<tr>
<td>EURO</td>
<td>European</td>
<td>DEPTH</td>
<td>Depth</td>
</tr>
<tr>
<td>GMT</td>
<td>Greenwich Mean Time</td>
<td>WATER PRESS</td>
<td>Water Pressure</td>
</tr>
<tr>
<td>GPS</td>
<td>Global Positioning System</td>
<td>BALLAST #</td>
<td>Ballast Tank1-5</td>
</tr>
<tr>
<td>INDPNDNT</td>
<td>Independent</td>
<td>TRIP A</td>
<td>Trip A Fuel Used</td>
</tr>
<tr>
<td>INSTRMENT</td>
<td>Instrument</td>
<td>TRIP A ODO</td>
<td>Trip A Odometer</td>
</tr>
<tr>
<td>TFUEL USED</td>
<td>Total Fuel Used</td>
<td>TRIP A FAVG</td>
<td>Trip A Average Fuel Flow</td>
</tr>
<tr>
<td>TFUEL LEFT</td>
<td>Total Fuel Left</td>
<td>SEASN HOURS</td>
<td>Season Engine Hours</td>
</tr>
<tr>
<td>TFUEL INST</td>
<td>Total Instantaneous Fuel Flow</td>
<td>seasn fuel</td>
<td>Season fuel used</td>
</tr>
<tr>
<td>TFUEL AVG</td>
<td>Total Average Fuel Flow</td>
<td>season odo</td>
<td>season odometer</td>
</tr>
<tr>
<td>FUEL ECON</td>
<td>Fuel Economy</td>
<td>seasn favg</td>
<td>season average fuel flow</td>
</tr>
<tr>
<td>LAT/LONG</td>
<td>Latitude/Longitude</td>
<td>fresh water</td>
<td>fresh water tank</td>
</tr>
<tr>
<td>GPS SPEED</td>
<td>GPS Speed</td>
<td>est range</td>
<td>estimated range</td>
</tr>
<tr>
<td>COG</td>
<td>Course Over Ground</td>
<td>intrvl</td>
<td>interval</td>
</tr>
<tr>
<td>CLOCK</td>
<td>Clock</td>
<td>lvl</td>
<td>level</td>
</tr>
<tr>
<td>HEADING</td>
<td>Heading</td>
<td>maint intrvl</td>
<td>maintenance interval</td>
</tr>
<tr>
<td>BATTERY #</td>
<td>Battery 1-5</td>
<td>mid port</td>
<td>middle port engine</td>
</tr>
</tbody>
</table>
List of Abbreviations in Tachometer

The *ICON* gauge displays data using the following abbreviations:

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>mid strbd</td>
<td>middle starboard engine</td>
</tr>
<tr>
<td>mstr</td>
<td>master</td>
</tr>
<tr>
<td>press</td>
<td>pressure</td>
</tr>
<tr>
<td>rset</td>
<td>reset</td>
</tr>
<tr>
<td>remain src</td>
<td>remaining source</td>
</tr>
<tr>
<td>scrns</td>
<td>screens</td>
</tr>
<tr>
<td>set</td>
<td>setting</td>
</tr>
<tr>
<td>speedo</td>
<td>speedometer</td>
</tr>
<tr>
<td>srcs</td>
<td>sources</td>
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<tr>
<td>temp</td>
<td>temperature</td>
</tr>
<tr>
<td>warn</td>
<td>warning</td>
</tr>
<tr>
<td>w/o</td>
<td>with out</td>
</tr>
<tr>
<td>#</td>
<td>number</td>
</tr>
</tbody>
</table>
# List of Supported PGN’s

<table>
<thead>
<tr>
<th>PGN</th>
<th>Data Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>126992</td>
<td>CLOCK and DATE (Optional NMEA 2000 GPS)</td>
</tr>
<tr>
<td>127245</td>
<td>RUDDER</td>
</tr>
<tr>
<td>127488</td>
<td>Engine RPM and TRIM</td>
</tr>
<tr>
<td>127489</td>
<td>Engine TEMP, FUEL FLOW, HOURS, WARNINGS, THROTTLE, WATER PRESSURE (with optional water pressure sensor)</td>
</tr>
<tr>
<td>127493</td>
<td>GEAR Position, OIL PRESS, OIL TEMP</td>
</tr>
<tr>
<td>127505</td>
<td>Fluid Level</td>
</tr>
<tr>
<td>127508</td>
<td>Battery Status</td>
</tr>
<tr>
<td>128259</td>
<td>SOW and/or SOG (Optional Smart Transducer)</td>
</tr>
<tr>
<td>128267</td>
<td>DEPTH (Optional Depth transducer)</td>
</tr>
<tr>
<td>129025</td>
<td>Latitude and Longitude (Optional NMEA 2000 GPS)</td>
</tr>
<tr>
<td>129026</td>
<td>COG and SOG (Optional NMEA 2000 GPS)</td>
</tr>
<tr>
<td>130310</td>
<td>Atmospheric Pressure</td>
</tr>
<tr>
<td>130827</td>
<td>Lighting Control from ICON Digital Remote Control</td>
</tr>
</tbody>
</table>
Product Warranty
Warranty Statement
BRP US INC. LIMITED WARRANTY FOR EVINRUDE/JOHNSON GENUINE PARTS AND ACCESSORIES
SOLD IN THE UNITED STATES AND CANADA

BRP US Inc.* (“BRP”) warrants its branded Evinrude®/Johnson® Genuine Parts and Accessories (“Product”) sold by authorized Evinrude or Johnson dealers in the fifty United States and Canada from defects in material or workmanship for the period and under the conditions described below. This limited warranty does not apply to Products not bearing the Evinrude® or Johnson® trademarks that are made by other manufacturers. This limited warranty extends to the original retail purchaser only (“Purchaser”) and is not transferable to any subsequent owner. This warranty is available only on Products purchased as new and unused from a dealer authorized to distribute the Products in the country in which the sale occurred (“Dealer”).

Aluminum propellers, plastic propellers, stainless steel propellers, Snap-In® control cables and Dura-Tank® fuel tanks are warranted for THIRTY-SIX (36) CONSECUTIVE MONTHS from the date of purchase.

ICON® engine control systems and components are warranted for THIRTY-SIX (36) CONSECUTIVE MONTHS from the date of purchase.

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Evinrude or Johnson Genuine Parts accessories sold and rigged by an authorized Evinrude or Johnson dealer in the fifty United States and Canada and listed on the BOS at the time of the engine sale will carry the same THIRTY-SIX (36) CONSECUTIVE MONTH warranty as the BRP US INC. LIMITED WARRANTY FOR EVINRUDE® OUTBOARD ENGINES. Consumers must retain their BOS and present it to the servicing authorized Evinrude or Johnson dealer in order for the accessory warranty to be valid.

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The following are not warranted under any circumstances: (a) normal wear and tear; (b) routine maintenance items including, but not limited to, adjustments, oil changes, water pumps, carburetor maintenance, spark plug replacements, etc.; (c) cosmetic damage or paint changes due to exposure to the elements; or (d) damage caused by: improper or lack of installation, maintenance, winterization and/or storage; failure to follow the procedures and recommendations in the Operator’s Guide; removal of parts, improper repairs, service, maintenance, or modification; use of parts or accessories not manufactured or approved by BRP that are either incompatible with Product or adversely affect its operation, performance, or durability; repairs done by anyone, including Purchaser, other than an authorized Dealer; abuse, misuse, abnormal use, neglect, racing, improper operation or operation of Product in a manner inconsistent with the Operator’s Guide; external damage, accident, submersion, water ingestion, fire, theft, vandalism or act of God; operation with fuels, oils or lubricants not suitable for use with Product (see Operator’s Guide); rust or corrosion; or cooling system blockage by foreign material.

This warranty will be voided in its entirety and rendered null and void: (a) where Product has been altered or modified in such a way so as to adversely affect its operation, performance or durability, or has been altered or modified to change its intended use; or (b) where Product is or has been used for racing or any other competitive activity, at any point.

ALL WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING WITHOUT LIMITATION ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE LIMITED IN DURATION TO THE LIFE OF THIS EXPRESS LIMITED WARRANTY. ALL INCIDENTAL, CONSEQUENTIAL, DIRECT, INDIRECT OR OTHER DAMAGES OF ANY KIND ARE EXCLUDED FROM COVERAGE UNDER THIS WARRANTY INCLUDING, BUT NOT LIMITED TO: expense for gasoline, expense for transporting Product to and from Dealer, removal of Product from a boat and reinstallation, mechanic's travel time, in-and-out of water charges, slip or dock fees, trailering or towing, storage, telephone, cell phone, fax or telegram charges, rental of a like or replacement Product or boat during warranty services or down time, taxi, travel, lodging, loss of or damage to personal property, inconvenience, cost of insurance coverage, loan payments, loss of time, income, revenue, profits, enjoyment or use of Product.

SOME JURISDICTIONS DO NOT ALLOW FOR THE DISCLAIMERS, LIMITATIONS OF INCIDENTAL OR CONSEQUENTIAL
DAMAGES OR OTHER EXCLUSIONS IDENTIFIED ABOVE. AS A RESULT, THEY MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC RIGHTS, AND YOU MAY ALSO HAVE OTHER LEGAL RIGHTS THAT MAY VARY FROM JURISDICTION TO JURISDICTION.

Purchaser must bring the Product, including any defective part therein, and proof of purchase of the Product (original bill of sale) to Dealer promptly after the appearance of the defect and, in any event, within the warranty period. Purchaser must sign the repair/work order prior to repair to validate warranty coverage and must provide BRP/Dealer with a reasonable opportunity to repair/replace the defective part. All replaced parts become the property of BRP.

BRP’s obligations under this warranty are limited to, at its sole discretion, repairing or replacing parts of Product found to be defective in material or workmanship, in BRP’s reasonable judgment. Repair or replacement of parts will be without charge for parts and labor, at any authorized Dealer. No claim of breach of warranty shall be cause for cancellation or rescission of the sale of Product to Purchaser. BRP reserves the right to improve, modify or change Products without assuming any obligation to modify Products previously manufactured. If warranty service is required outside of the fifty United States or Canada, Purchaser will bear responsibility for any additional charges due to local practices and conditions including, but not limited to, freight, insurance, taxes, license fees, import duties, and any financial charges levied by governments, states, territories and agencies.

No distributor, Dealer or any other person is authorized to make any affirmation, representation or warranty regarding Product other than those contained in this limited warranty and, if made, shall not be enforceable against BRP. BRP reserves the right to modify this warranty at any time, being understood that such modification will not alter the warranty conditions applicable to the Products sold while this warranty is in effect.

The Limited Warranty applies only to Products purchased as new and unused from a distributor or dealer authorized to distribute products in the country in which the sale occurred. If warranty service is required outside of the country of original sale, Purchaser bears responsibility for any and all charges due to local practices and conditions that exceed or are in addition to customary charges in the country of sale, such as, but not limited to, freight, insurance, taxes, license fees, import duties, and any financial charges levied by governments, states, territories and agencies.

For assistance, please contact BRP US Inc. Consumer Support, P.O. Box 597, 10101 Science Drive, Sturtevant, WI 53177, 1-847-689-7090 or the affiliate of BRP Inc. where the Product was sold to the retail Purchaser or visit www.brp.com.

No other change to the Limited Warranty shall be made or implied. Effective as of July 1, 2011.

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Limited Warranty Revision June 2011