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**IMPORTANT:** This User's Guide outlines the functionality and usage of the *I-Command*<sup>™</sup> Integrated Performance System. Before using the *I-Command* Digital gauge, 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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*I-Command*<sup>™</sup>

*Johnson*<sup>®</sup>

*S.A.F.E.*<sup>™</sup> (*Speed Adjusting Failsafe Electronics*)

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## About This Guide

**IMPORTANT:** Read this User's Guide carefully before using the *I-Command* Digital gauge. This User's Guide should be kept onboard at all times during operation.



### 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.**

### Need Assistance?

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 *I-Command* Digital gauge, please contact BRP Customer Support at 1-847-689-7090.

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## INTRODUCTION

The *I-Command* Digital gauge uses NMEA 2000<sup>†</sup> CANBus technology, allowing the sharing of information between different electronic devices which can be connected to an electrical network on a boat.

CANBus is a Controller Area Network (“CAN”) pathway (“Bus”), allowing multiple components to communicate with each other via a central network.

The network allows the *I-Command* Digital gauge to communicate with other boat instruments, displays, and engine and accessory functions beyond the scope of the engine instruments. This information is displayed on the gauge LCD screen.

The network collects and manages information from the *Evinrude*<sup>®</sup> *E-TEC*<sup>™</sup> outboard through a central processing unit within each gauge and then displays that information.

The *I-Command* Digital gauge is designed to enhance the engine monitoring capabilities of the boater. Additionally, the wiring system is reduced and simplified, resulting in a reduction of weight and complexity.

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## BASIC *I-COMMAND* OPERATION

The displays and settings in this digital gauge are controlled by a five-button keypad. The buttons are:

- **UP and DOWN** — Use to scroll through and highlight menu items
- **MENU** — Use to open basic menu to set up display pages
- **PAGES / ENTER** — Use to scroll forward through pages, and to select menu items
- **EXIT**— Use to scroll backward through pages, close menus, and to return to a previous page



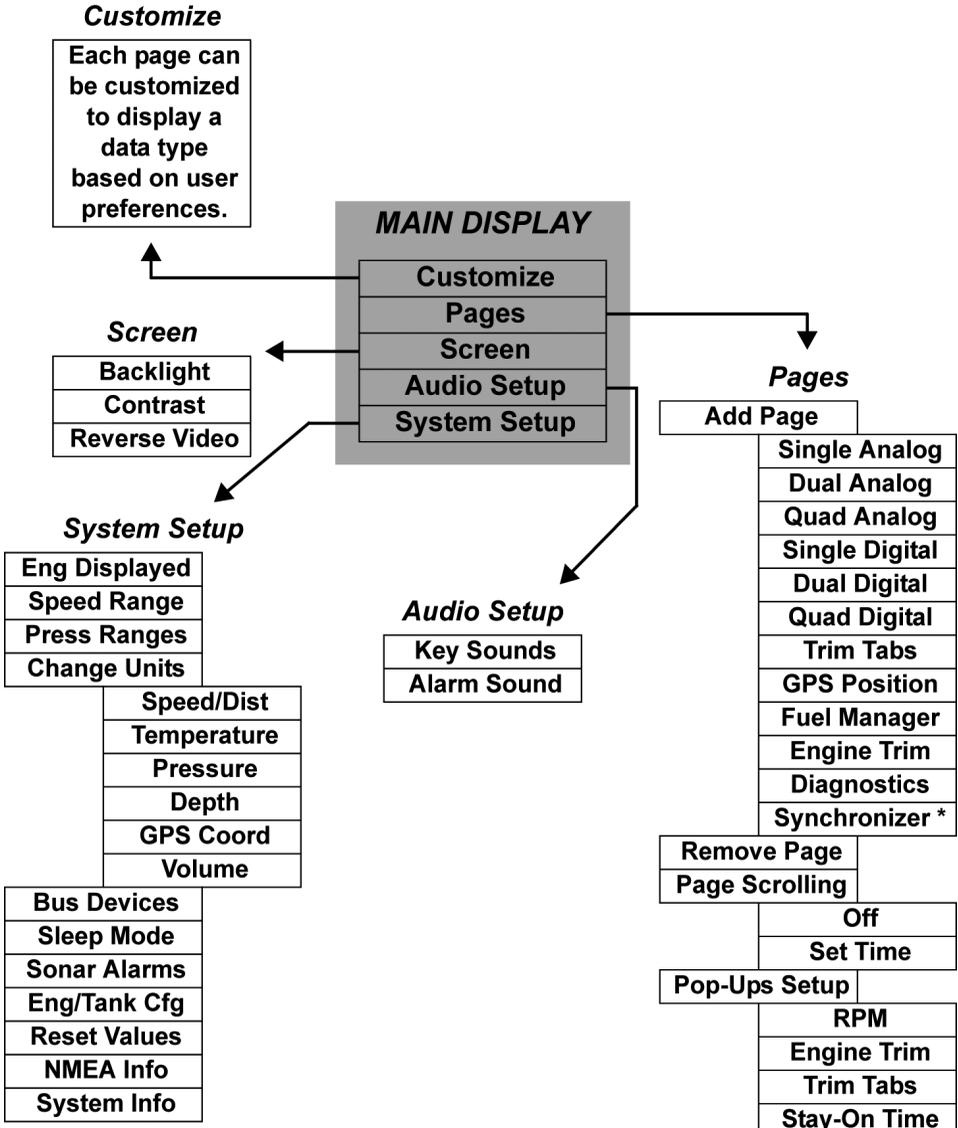
### Powering Up

When the ignition switch is turned ON, and the battery voltage reaches the minimum operating voltage, the power hub will supply power to the instruments and network devices. A Welcome screen will be displayed briefly.

When the ignition switch is turned OFF, engine data is no longer transmitted on the network. All *I-Command* instruments will go blank, and alarms will be disabled. The network is powered down after a brief delay.

# Overview of Gauge Menus

The *I-Command* Digital gauge uses a menu system that contains submenus and variable options. Each menu can be entered and set to display according to user preference. The basic menu system is presented here for easy reference. Detailed menu operation is outlined throughout this guide.



\* multiple engines only

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## Gauge Setup

When the *I-Command* Digital gauge powers up for the first time, the screen will show the Boat Setup menu. The Boat Setup must be complete before proceeding. During Boat Setup, the number of engines and gas tanks on the vessel must be inputted.

**NOTE:** If the *I-Command* Digital gauge was Dealer-installed, Boat Setup may already be completed. To repeat or reconfigure Boat Setup, press MENU. Select SYSTEM SETUP. Press ENTER. Select ENG/TANK CFG. Press ENTER twice.

Boat Setup will only appear again if the Engine/Tank configuration is reset, certain sensors are added, or if configuration is lost.

**NOTE:** For multiple gauge setups, Boat Setup needs to be entered on one gauge. The setup will be set on other *I-Command* network-connected gauges.

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## ➤ **Configuring Boat Setup**

With Boat Setup highlighted, press ENTER. A menu will appear, allowing choices of the number of engines and fuel tanks on the vessel:

- 1 Eng/1 Tank
- 2 Eng/1 Tank
- 3 Eng/1 Tank
- 1 Eng/2 Tank
- 2 Eng/2 Tanks
- 3 Eng/3 Tanks

Using the UP / DOWN buttons, choose the applicable option. Press ENTER. After setting the engine/tank configuration, enter each tank size on the Set Tank Size menu. This menu will appear with up to three options, depending on the number of tanks chosen during Boat Setup:

- Port Tank
- Stbd Tank (Starboard tank)
- Cen Tank (Center tank)

Using the UP / DOWN buttons, select the tank to set up. Press ENTER. The Setting Tank Size screen appears. If only one tank was selected during Boat Setup, the Setting Tank Size screen appears automatically.

Using the UP and DOWN buttons, input how many gallons the tank will hold. Press ENTER to set gallon capacity.

Press EXIT and repeat steps for each of the remaining tanks.

After all fuel tank capacities have been set, press EXIT repeatedly to return to the main display.

After resetting the configuration, the Boat Setup screen appears. From the Boat Setup screen, press ENTER to access the engine/tank configuration menu.

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# PAGES

Pages are an essential part of the *I-Command* Digital gauge. Pages allow users to mix and match data that will be displayed on the LCD screen. Once page preferences are set, the gauge allows customized pages to display the data most important to the user. To customize pages, see “Customizing Pages” on page 23.

The *I-Command* Digital gauge supports up to 16 pages, allowing pages to be added more than once, with each one customized differently.

## Types of Page Displays

Page displays can be presented in analog or digital format as single, dual, or quad displays.

- Single page display — One analog gauge or digital reading
- Dual page display — Two analog gauges or digital readings
- Quad page display — Four analog gauges or digital readings

### ➤ **Analog Displays**

Analog page displays allow the following data combinations:

- Alt Voltage
- Atmospheric Pressure
- Battery Voltage
- Engine Temp
- Fluid Level
- GPS Speed
- Paddle Wheel Speed
- Pitot Speed (not supported)
- Tachometer
- Temperature

### ➤ **Digital Displays**

Digital page displays allow the following data combinations:

- Alt Voltage
- Atmospheric Pressure
- Battery Voltage
- Depth
- Engine Load
- Engine Temperature
- Fuel Economy
- Fuel Flow
- Fuel Range
- Fuel Remaining
- GPS Speed
- Paddle Wheel Speed
- Pitot Speed (not supported)
- Tachometer
- Temperature
- Total Engine Hours

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**NOTE:** Certain pages may need a network accessory in order to display information. Speed readings require a GPS or paddlewheel. Fuel management requires a fuel memory module.

See an authorized Dealer for accessories.

### ➤ **Engine Trim**

The Engine Trim page monitors the position of the boat's engine in percentages.

### ➤ **Diagnostics**

The Diagnostics page monitors engine performance and displays any alarms or warnings.

### ➤ **Fuel Manager**

The Fuel Manager page has three displays which can show any combination of the following data:

- Fuel Flow
- Fuel Economy
- Fuel Remaining
- Fuel Range
- GPS Speed
- Paddle Wheel Speed
- Pitot Speed (not supported)
- Seasonal Fuel
- Trip Fuel Used

### ➤ **GPS Position**

The GPS Position page displays the boat's position in latitude and longitude, using degrees-minutes-seconds or degrees-minutes as units of measure.

### ➤ **Synchronizer**

The Synchronizer page will show RPM for up to three engines, allowing users to synchronize the engines for smoother performance.

### ➤ **Trim Tabs**

The Trim Tab page monitors the position of the trim tabs using either percentages or degrees as units of measure. Trim tabs are not supported.

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## Page Options

### ➤ **Viewing**

Pages may be viewed by:

- Scrolling pages manually by using the ENTER and EXIT keys; or
- Setting pages to scroll automatically. See “Page Scrolling” on page 12.

**NOTE:** The ENTER and EXIT keys aid scrolling through pages on the main display. Pressing the ENTER key moves the scroll in one direction. Pressing the EXIT key moves the scroll in the other direction.

### ➤ **Menus**

Each page has its own menu with the following basic menu categories:

- Page
- Screen
- Audio Setup
- System Setup

Pages may be displayed one at a time or in a timed scroll set at a chosen interval. See “Page Scrolling” on page 12.

### ➤ **Adding Pages**

Pages can be added to the Main display.

Press the MENU button. Using the UP / DOWN buttons, select PAGES. Press ENTER. Select ADD PAGE. Press ENTER. Use the UP / DOWN buttons to view the list of available pages.

Highlight the desired page and press ENTER. An adding page prompt appears. Press ENTER to add the page. (To exit the menu and not add the page, press the EXIT button until the main display reappears.)

After adding the page, the main display reappears and the selected page is part of the main display list.

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## ➤ **Removing Pages**

Pages can be removed from the Main display.

Scroll to the page to be removed. Press MENU button. Using the UP / DOWN buttons, select PAGES. Press ENTER. Select REMOVE PAGE. Press ENTER.

A remove page prompt appears. Press the ENTER button to remove the page which was displayed on the Main display. (To exit the menu and not remove the page, press the EXIT button until the main display reappears.)

After removing the page, the Main display reappears and the page is no longer a part of the Main display list.

## ➤ **Page Scrolling**

Pages can be viewed by manual or automatic scrolling.

### **MANUAL**

To scroll through pages manually, use the ENTER and EXIT buttons to view pages.

### **AUTOMATIC**

To scroll through pages automatically, a viewing interval must be selected.

Press MENU button. Select PAGES. Press ENTER. Using the UP / DOWN buttons, select PAGE SCROLLING. Press ENTER. Select SET TIME. Press ENTER.

Using the UP / DOWN buttons, select an interval between one and sixty seconds. Press ENTER to set automatic scrolling interval.

**NOTE:** To turn off automatic page scrolling, repeat the first two steps. When the Page Scrolling menu appears, select OFF. Press ENTER.

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## ➤ Pop-Ups

The Pop-Up feature alerts users when changes occur in a monitored category (RPM or Engine Trim). Pop-ups appear when a user-specified incremental measurement is met. When an increment changes, the main page for the category will pop up on the main display for a preset duration. See “Stay-on Time” on page 13 to set the pop-up duration.

### SETUP

Select PAGES on the Main menu. Press ENTER. Using the UP / DOWN buttons, scroll to POP-UPS SETUP. Press ENTER.

**RPM** — To set the RPM pop-up, highlight RPM. Press ENTER. Select OFF to turn off the RPM pop-up, or select SET THRESHOLD. Press ENTER. The threshold for RPM ranges from 50 to 3,000 RPM. Set the desired RPM value that activates the pop-up by using the UP / DOWN buttons.

**Engine Trim** — To set the Engine Trim pop-up, highlight ENGINE TRIM. Press ENTER. Select OFF to turn off the Engine Trim pop-up, or select SET THRESHOLD. Press ENTER. The threshold for Engine Trim ranges from 3% to 50%. Set the desired Engine Trim value that activates the pop-up by using the UP / DOWN buttons.

**Trim Tabs** — Trim Tabs are not supported.

### STAY-ON TIME

In the Pop-Ups Setup menu, highlight STAY-ON TIME. Press ENTER. The stay-on time ranges between two and fifteen seconds. Set the desired stay-on time by using the UP / DOWN buttons. The value selected controls the stay-on times for both monitoring categories (RPM or Engine Trim).

**NOTE:** For multiple engine setups, the Pop-ups for RPM and Engine Trim will display the current engine the gauge is monitoring.

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## Screen Settings

The LCD display screen can be customized to user preferences for:

- Backlight
- Contrast
- Reverse video (reverse dark and light for increased nighttime visibility)

To set screen preferences, press the MENU button. Using the UP / DOWN buttons, select SCREEN. Press ENTER.

**NOTE:** Adjusting the screen backlighting, contrast, or reverse video will set the preference for all *I-Command* Digital gauges connected to the network.

**To adjust screen backlighting** — From the Screen menu, select BACKLIGHT. Press ENTER. Using the UP / DOWN buttons, set the adjustment bar for the backlight to a desired level. Press EXIT to return to Screen menu, or press ENTER to return to the Main display.

**To adjust screen contrast** — From the Screen menu, select CONTRAST. Press ENTER. Using the UP / DOWN buttons, set the adjustment bar for the contrast to a desired level. Press EXIT to return to Screen menu, or press ENTER to return to the Main display.

**To set screen to reverse video** — From the Screen menu, select REVERSE VIDEO. Press ENTER. The dark and light colors have reversed (white text on a black background now appears as black text on a white background).

**To turn OFF reverse video** — From the Screen menu, select REVERSE VIDEO. Press ENTER. Reverse video is disabled. Press the EXIT button twice to return to the Main display.

## Audio Settings

The *I-Command* Digital gauge will emit audible sounds during operation. The following audible notices can be adjusted in Audio Setup:

- Key sounds
- Alarm sounds

**To adjust audio sounds** — Press MENU. Using the UP / DOWN buttons, select AUDIO SETUP. Press ENTER. Select KEY SOUNDS or ALARM SOUNDS. Press ENTER. Select ON or OFF setting. Press ENTER to set the sound. The Audio Setup Menu appears. Press EXIT to return to Main display.

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## I-COMMAND SYSTEM SET-UP

The *I-Command* Digital gauge must be configured in order to accurately display the following engine and boat data:

- Fuel Flow
- Fluid Level
- GPS Module / Paddle Wheel
- Trim Tabs (not supported)

### Bus Devices

The *I-Command* Digital gauge can be used to detect and configure other network-enabled devices and gauges by executing the Bus Devices command. The Bus Devices command allows users to run a system check on all configurable devices connected to the network.

**To run the Bus Devices command** — Press MENU. Select SYSTEM SETUP. Using the UP / DOWN buttons, highlight BUS DEVICES. Press ENTER. “Searching Bus Devices” displays. Once all devices are detected, a list of the devices (Bus Devices list) displays.

The Bus Devices command acts as the device manager for the network, allowing configuration of devices. This command also sets and resets critical values such as alarms and calibration.

**NOTE:** Devices will vary in name and number depending on what has been connected to the network. The number of sensors attached to the network will match the number that comes up on the Bus Devices list.

### Gauge Reset

If gauge settings are modified and the results are unsatisfactory, the gauge can be reset to its factory default settings using the Reset Values command.

**To reset gauge values** — Press MENU. Using the UP / DOWN buttons, select SYSTEM SETUP. Press ENTER. Choose RESET VALUES. Press ENTER. Press ENTER again to reset the values.



#### WARNING



**Resetting values is a factory hard reset. All settings will be wiped out.**

---

**NOTE:** Resetting values resets the gauge only, and does not affect engine/tank configuration or the calibration and configuration settings of other devices on the network.

If a sensor is configured or reconfigured, its designation is assigned or re-assigned to a different sensor location on the boat.

The following items can be configured, unconfigured or reconfigured:

- Temperature Sensors (UNCFG TEMP)
- Fuel Flow Sensors (UNCFG F FLOW)
- Fluid Level (UNCFG F LEVEL)

If UNCFG TEMP, UNCFG F FLOW, or UNCFG FLUID LEVEL appear on the bus devices list, that sensor is unconfigured.

Up to three of each sensor (temperature, fuel, fluid) can be configured and displayed on the gauge.

## Gauge Configuration

- GPS Module and Paddle Wheel Speed do not require configuration.
- Engines and tanks are configured through the System Setup menu (see “System Setup” on page 27).
- Trim Tabs are not supported.

**NOTE:** The configuration settings can be cleared for each sensor individually, by resetting values from the sensor's configuration menu. Only sensors selected from the Bus Devices list will be set back to its defaults. See “Gauge Reset” on page 15.

**To configure gauge sensors** — Press MENU. Using the UP / DOWN buttons, select SYSTEM SETUP. Press ENTER. Highlight BUS DEVICES and press ENTER. After a few moments, detected network items are listed. Highlight the item to configure and press ENTER.

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## ➤ **Temperature Sensors**

The temperature sensors should be configured in order to assign proper sensor locations.

**To unconfigure a temperature sensor** — Choose UNCONFIGURE from the configuration menu. Press ENTER. Confirm sensor unconfiguration message by pressing ENTER. The Bus Devices list reappears.

**To configure a temperature sensor** — Choose UNCFG TEMP from the configuration menu. Press ENTER. Confirm sensor configuration message by pressing ENTER. The Selecting Temp menu appears. Highlight a temperature option (Temp 1, Temp 2, Temp 3, etc.) on the Selecting Temp menu and press ENTER. The temperature sensor has been configured as the selected temperature option. The Bus Devices list reappears.

**To reconfigure a temperature sensor** — A “Name Already Selected” message will appear if a sensor is already configured with that sensor name. If the “Name Already Selected” message appears, follow steps to unconfigure a temperature sensor.

After the temperature sensor unconfigure, select Temp 1 (or Temp 2, etc.). Press ENTER. Choose RECONFIGURE. Press ENTER. The Temperature Selection menu appears. Select desired temperature sensor. Press ENTER.

After the Bus Devices list reappears, follow steps to configure a temperature sensor.

## ➤ **Fuel Flow**

**NOTE:** *Evinrude E-TEC* outboards interface with the *I-Command* Digital gauge, providing sensor configuration for fuel flow. No setup or configuration is required.

## ➤ **Fluid Level**

Fluid Level settings monitors up to three tanks for each fluid level category:

- Fuel
- Fresh Water
- Oil
- Black Water
- Waste Water
- Live Well

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Fuel tanks are displayed as “Fuel Tank (P)” for port, “Fuel Tank (C)” for center, and “Fuel Tank (S)” for starboard. A single fuel tank installation is displayed as “Fuel Tank.”

If multiple tanks for the other fluid tanks exits (fresh water, oil, etc.) each will have a numerical designation.

If a tank(s) has not been configured, it will appear as UNCFG F LEVEL.

**To unconfigure Fluid Level** — From the Bus Devices list, choose a configured Fluid Level. Press ENTER. Using the UP / DOWN buttons, highlight UNCONFIGURE. Press ENTER. Press ENTER again to confirm the unconfigure device command. The Bus Devices list reappears on and the UNCFG F LEVEL option appears on the list.

**To configure Fluid Level** — Select UNCFG F LEVEL from the Bus Devices list. Press ENTER. The fluid levels can be configured by selecting a fluid level option from the list and pressing ENTER.

#### **FUEL LEVEL CONFIGURATION**

Select FUEL from the configuration list. Press ENTER. Using the UP / DOWN buttons, highlight a tank option (port, starboard, center). Press ENTER. The Fuel Level is now configured for the selected tank.

#### **FRESH WATER CONFIGURATION**

Select FRESH WATER from the configuration list. Press ENTER. Using the UP / DOWN buttons, input the tank number (1, 2, or 3). Press ENTER. Using the UP / DOWN buttons, input the tank capacity. Press ENTER. The Fresh Water tank is now configured.

#### **WASTE WATER CONFIGURATION**

Select WASTE WATER from the configuration list. Press ENTER. Using the UP / DOWN buttons, input the tank number (1, 2, or 3). Press ENTER. Using the UP / DOWN buttons, input the tank capacity. Press ENTER. The Waste Water tank is now configured.

#### **LIVE WELL CONFIGURATION**

Select LIVE WELL from the configuration list. Press ENTER. Using the UP / DOWN buttons, input the tank number (1, 2, or 3). Press ENTER. Using the UP / DOWN buttons, input the tank capacity. Press ENTER. The Live Well tank is now configured.

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## OIL LEVEL CONFIGURATION

Select OIL from the configuration list. Press ENTER. Using the UP / DOWN buttons, highlight a tank option (port, starboard, center). Press ENTER. Using the UP / DOWN buttons, input the tank capacity. Press ENTER. The Oil Level is now configured for the selected tank.

## BLACK WATER CONFIGURATION

Select BLACK WATER from the configuration list. Press ENTER. Using the UP / DOWN buttons, input the tank number (1, 2, or 3). Press ENTER. Using the UP / DOWN buttons, input the tank capacity. Press ENTER. The Black Water tank is now configured.

**NOTE:** The *I-Command* Digital gauge must be set to Fuel Level Sensor for the Fuel Remaining Source to display fuel level information properly. See “Fuel Manager” on page 24.

**To reconfigure Fluid Level** — Select a configured Fluid Level (Fuel Tank, Oil Tank, Black Water Tank, Waste Water Tank, Fresh Water Tank, Live Well Tank) from the Bus Devices list. Press ENTER. Highlight RECONFIGURE. Press ENTER to reconfigure fluid level sensor.

**To set Fluid Level Warning** — Select a configured Fluid Level from the Bus Devices List. Press ENTER. Highlight LEVEL WARNING. Press ENTER. Choose LOW LEVEL or HIGH LEVEL. Set the selected warning level to OFF or to a desired percentage. Use the UP / DOWN buttons to select a desired percentage. Press ENTER. The Bus Devices list reappears

**NOTE:** It is recommended a LOW LEVEL warning be set for tanks which consume fluids (such as fuel, oil, etc.). A LOW LEVEL warning will activate when the fluid level drops below a preset percentage of the tank’s capacity. It is recommended a HIGH LEVEL warning be set for tanks which add fluid as the boat is used (black water, waste water). A High Level warning will activate when the tank is nearing capacity.

**To calibrate Fluid Level** — See “Fluid Level Calibration” on page 20.

**To reset Fluid Level values** — Select RESET VALUES from the tank configuration menu. Press ENTER. Press ENTER again to reset the tank device configuration values. The tank reverts to the default setting. The previously set calibration is removed.

**NOTE:** By resetting values from the configuration menu, ONLY the device selected from the Bus Devices list will be set back to its defaults.



## WARNING



**Resetting any sensor will lose all configuration and calibration for that sensor.**

### ➤ **Fluid Level Calibration**

Calibrating Fluid level is an important step to ensuring the tank status is correctly transmitted over the network.

The Fluid Level screens are designed to give users an approximate representation of fluid usage and levels. Due to various factors such as system configurations, tank sizes and shapes, and boating conditions, the *I-Command* Digital gauge is only a guide to fluid management and cannot be relied upon to display exact readings. **Return to port immediately if tank levels are low, or an alarm is activated.**

The *I-Command* system can monitor fluid level and consumption. To improve tank management accuracy, calibrate all tank level sensors so all information can be collected. See “Fluid Level” on page 17 for detailed instructions on fluid level configuration.

**IMPORTANT:** Always confirm fuel level before boating, and check fuel level often. The fuel level reading is designed to be a reference for fuel level during usage; however, it is recommended boat operators apply the fuel usage principle of 1/3 fuel to destination, 1/3 fuel to return to port, and 1/3 fuel for reserve.



## WARNING



**Running out of fuel could cause the operator of the boat to have diminished or no control of the vessel, presenting a risk of personal injury to the operator, passengers, and people who are nearby.**

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## ➤ **Fluid Tank Setup and Calibration**

Tank calibration is optional. It is recommended tanks be calibrated to ensure an accurate reading from the sensor. For best accuracy, begin calibration with an empty tank.

Press the MENU button. Select SYSTEM SETUP. Press ENTER.

Using the UP / DOWN buttons, highlight BUS DEVICES. Press ENTER.

On the Bus Devices list, select the fluid level source to be calibrated. Press ENTER. Select CALIBRATE. Press ENTER. The calibration choices are two-point, three-point, or five-point.

After EMPTY calibration point is set, fluid must be added for each subsequent calibration point.

### **TWO-POINT CALIBRATION**

Two-point calibration has two settings:

- Empty level
- Full level

Two-point calibration is recommended only for rectangular or square shaped tanks which allow the fluid level sensor to provide an accurate reading of the fluid level at the top and bottom of the tank.

**To perform a two-point calibration** — Choose EMPTY setting. Press ENTER to calibrate. Add fluid until tank is full. Choose FULL setting. The “Calibrating Set Tank to Full Level” message appears. Press ENTER to complete the calibration and return to the two-point calibration menu. Press EXIT to return to the Bus Devices list.

### **THREE-POINT CALIBRATION**

Three-point calibration has three settings:

- Empty level
- Half level
- Full level

Three-point calibration is designed for tanks that vary in shape from the top to the bottom, leading to an inaccurate fluid level sensor reading, in the narrower, bottom portion of the tank.

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**To perform a three-point calibration** — Choose EMPTY setting. Press ENTER to calibrate. Add fluid until tank is half full. Choose HALF setting. Press ENTER to calibrate. Add fluid until tank is full. Choose FULL setting. The “Calibrating Set Tank to Full Level” message appears. Press ENTER to complete the calibration and return to the three-point calibration menu. Press EXIT to return to the Bus Devices list.

### **FIVE-POINT CALIBRATION**

Five-point calibration has five settings:

- Empty level
- One-quarter level
- Half level
- Three-quarter level
- Full level

Five-point calibration is recommended for the most uniquely formed tanks which vary greatly in shape from top to bottom, making an accurate fluid level sensor reading impossible without calibration.

**To perform a five-point calibration** — Choose EMPTY setting. Press ENTER to calibrate. Add fluid until tank is one-quarter full. Choose 1 QTR setting. Press ENTER to calibrate. Add fluid until tank is half full. Choose HALF setting. Press ENTER to calibrate. Add fluid until tank is three-quarter full. Choose 3 QTR setting. Press ENTER to calibrate. Add fluid until tank is full. Choose FULL setting. The “Calibrating Set Tank to Full Level” message appears. Press ENTER to complete the calibration and return to the five-point calibration menu. Press EXIT to return to the Bus Devices list.

### **➤ *GPS Module, Paddle Wheel Speed and Trim Tabs***

The remaining items from the Bus Devices list, GPS Module, Paddle Wheel Speed and Trim Tab Sensors do not need to be configured. If GPS Module or Paddle Wheel Speed are highlighted and ENTER pressed, the “Device Working Properly” message appears. Trim Tabs are not supported.

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# ADVANCED OPERATION

## Customizing Pages

Each page can be customized to display a data type based on user preferences.

To access a page-specific menu, the desired page must appear on the Main display the menu button is pressed. To add a page, see “Adding Pages” on page 11. See “Types of Page Displays” on page 9 for a detailed explanation of single, dual, and quad analog and digital page displays.

**NOTE:** If a page is set to show information from a device that is not working properly, or is not connected to the *I-Command* network, the data boxes on the gauge will flash. This indicates the device is not sending data to the network. Possible causes are a weak GPS signal, or an unconfigured device. To configure a device, see setup steps in “Bus Devices” on page 15.

### SINGLE ANALOG PAGE

**To customize the Single Analog page** — From the single analog page on the Main display, press MENU. Select CUSTOMIZE. Press ENTER. Using the UP / DOWN buttons, scroll through the categories. Press ENTER to set the desired category as the default display.

**NOTE:** The System Setup menu for all three analog gauges feature Speed Range and Pressure Range. See “System Setup” on page 27 for information on speed range and pressure range settings.

### DUAL ANALOG PAGE

**To customize the Dual Analog page** — From the dual analog page on the Main display, press MENU. Select CUSTOMIZE. Press ENTER. Select the top or bottom gauge to customize. Press ENTER. Using the UP / DOWN buttons, scroll through the categories. Press ENTER to set the desired category as the default display for the top or bottom (depending on selection) gauge. Repeat steps to set the display for the other (top or bottom) gauge, if desired.

### QUAD ANALOG PAGE

**To customize the Quad Analog page** — From the quad analog page on the Main display, press MENU. Select CUSTOMIZE. Press ENTER. Select the top left, top right, bottom left, or bottom right gauge to customize. Press ENTER. Using the UP / DOWN buttons, scroll through the categories. Press ENTER to set the desired category as the default display for the desired gauge. Repeat steps to set the display for the other gauges, if desired.

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## **SINGLE DIGITAL PAGE**

**To customize the Single Digital page** — From the single digital page on the Main display, press MENU. Select CUSTOMIZE. Press ENTER. Using the UP / DOWN buttons, scroll through the categories. Press ENTER to set the desired category as the default display.

## **DUAL DIGITAL PAGE**

**To customize the Dual Digital page** — From the dual digital page on the Main display, press MENU. Select CUSTOMIZE. Press ENTER. Select the top or bottom data box to customize. Press ENTER. Using the UP / DOWN buttons, scroll through the categories. Press ENTER to set the desired category as the default display for the top or bottom (depending on selection) data box. Repeat steps to set the display for the other (top or bottom) data box, if desired.

## **QUAD DIGITAL PAGE**

**To customize the Quad Digital page** — From the quad digital page on the Main display, press MENU. Select CUSTOMIZE. Press ENTER. Select the top left, top right, bottom left, or bottom right data box to customize. Press ENTER. Using the UP / DOWN buttons, scroll through the categories. Press ENTER to set the desired category as the default display for the desired data box. Repeat steps to set the display for the other data boxes, if desired.

### **➤ Trim Tabs**

Trim Tabs are not supported.

### **➤ GPS Position**

The GPS page displays user position in latitude and longitude, measured in degrees, minutes, and seconds; or degrees and minutes.

### **➤ Fuel Manager**

**NOTE:** Fuel management requires a fuel memory module.

See an authorized Dealer for accessories.

The Fuel Manager page can display multiple monitoring categories. See “Fuel Manager” on page 10 for a list of categories.

**NOTE:** For multiple engine applications, the engine display must be set in order to customize the Fuel Manager for a specific engine. The selected engine appears at the bottom of the Fuel Manager page. See “Engine Displayed” on page 27 for information on specifying the engine display.

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The Fuel Manager menu controls the following options:

- Customize
- Fuel Setup
- Pages (see “Customizing Pages” on page 23)
- Screen (see “Screen Settings” on page 14)
- Audio Setup (see “Audio Settings” on page 14)
- System Setup (see “System Setup” on page 27)

## **CUSTOMIZE**

**To customize Fuel Manager** — From the Fuel Manager page on the Main display, press MENU. Select CUSTOMIZE. Press ENTER. Using the UP / DOWN buttons, choose a data box to customize. Highlight the desired item. Press ENTER to set the data for the selected data box. To customize other data boxes, repeat the steps above.

## **FUEL SETUP**

From the Fuel Manager page, press MENU. Select Fuel Setup. Press ENTER. The Fuel Setup menu appears. It controls the following options:

- Fuel Remaining Source
- Reset Seasonal
- Refill Tank
- Partial Fill
- Economy Speed Source
- Reset Trip Fuel

### **— Fuel Remaining Source**

The two options—Engine Fuel Flow and Fluid Level Sensor—allow users to choose which sensor is used to monitor fuel level.

From the Fuel Setup menu, select FUEL REM SRC. Press ENTER. Using the UP / DOWN buttons, highlight ENG/FFLOW or FLUID LEV SNSR. Press ENTER to set the default fluid level sensor.

### **— Reset Seasonal**

Fuel usage can be tracked for trips and even entire seasons. The reset seasonal option allows a reset of the total seasonal fuel usage.

From the Fuel Setup menu, select RST SEASONAL. Press ENTER. Press ENTER again to reset the seasonal fuel total to zero.

**NOTE:** Resetting seasonal fuel will set fuel usage to zero for all outboards in multiple outboard setups.

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### — Refill Tank

The Refill Tank option allows a recalibration of the fuel tank after it has been filled to full capacity.

From the Fuel Setup menu, select REFILL TANK. Press ENTER. Refill the fuel tank until it is full. Press ENTER. Using the UP / DOWN buttons, input the amount of fuel added to the fuel tank. Press ENTER to set.

### — Partial Fill

The Partial Fill option helps maintain the accuracy of the Fuel Remaining and Fuel Range figures, by allowing users to input fuel added to the tank.

From the Fuel Setup menu, select PARTIAL FILL. Press ENTER. Add fuel to the fuel tank. Using the UP / DOWN buttons, input the amount of fuel added to the fuel tank. Press ENTER to set.

### — Economy Speed Source

The Economy Speed Source option allows customization of the speed measurement source.

From the Fuel Setup menu, select ECO SPEED SRC. Press ENTER. Using the UP / DOWN buttons, select a speed source (Paddle Wheel Speed, Pitot Speed, or GPS Speed). Press ENTER to set the speed source.

**NOTE:** Paddle Wheel Speed is best suited for low speeds, while Pitot Speed will work best at high speeds. GPS Speed works well at both high and low speeds.

### — Reset Trip Fuel

The Reset Trip Fuel option resets a trip fuel usage total.

From the Fuel Setup menu, select RST TRIP FUEL. Press ENTER. Press ENTER again to reset the seasonal fuel total to zero.

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## System Setup

From the Main display, press MENU. Using the UP / DOWN buttons, select SYSTEM SETUP. Press ENTER. The following options appear:

- Engine Displayed
- Bus Devices
- Sonar Alarms
- Eng/Tank Configuration
- Reset Values
- System Information
- Change Units
- Sleep Mode
- Speed Range
- Pressure Range
- NMEA Information

### ➤ **Engine Displayed**

*I-Command* can monitor up to three engines. The Engine Displayed option controls which engine is monitored.

From the System Setup menu, select Engine Displayed. Press ENTER. Using the UP / DOWN buttons, choose Port, Center, or Starboard. Press ENTER to set the Engine Displayed option.

### ➤ **Bus Devices**

From the System Setup menu, select BUS DEVICES. Press ENTER. The “Searching for Bus Devices” message appears, and a list of all devices attached to the network appears.

### ➤ **Sonar Alarms**

Sonar alarms are available to aid in avoiding underwater objects or shallow operating conditions. A transducer (enabling depth and temperature) or tri-ducer (enabling depth, temperature, and speed) is required for sonar alarm functionality. See an authorized Dealer.

From the System Setup menu, select SONAR ALARMS. Press ENTER. Using the UP / DOWN buttons, choose DEEP or SHALLOW. Press ENTER. Select SET DEPTH (or choose the option to turn the sonar alarm feature OFF). Press ENTER. Using the UP / DOWN buttons, select the desired depth. Press ENTER to set the Sonar Alarm.

### ➤ **Engine/Tank Configuration**

See “Gauge Setup” on page 7 for information on setting up the engine and tank configuration.

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## ➤ **Reset Values**

From the System Setup menu, select Reset Values. Press ENTER. Press MENU, highlight SYSTEM SETUP and press ENTER. Press ENTER again to reset all values to zero.

**NOTE:** Resetting values will not clear Engine/Tank configuration or the settings of EP sensors previously calibrated or configured.

## ➤ **System Information**

The system information screen provides information about the version and build of the *I-Command* software.

From the System Setup menu, select SYSTEM INFO. Press ENTER. The system information will be displayed on the screen.

## ➤ **Speed Range**

Speed range controls the range of speed displayed on the *I-Command* Digital gauge.

From a single, dual, or quad analog page on the Main display, press MENU. Highlight SYSTEM SETUP. Press ENTER. Using the UP / DOWN buttons, select SPEED RANGE. Press ENTER. Choose the desired speed range (0-40; 0-80; or 0-120). Press ENTER to set the speed range.

## ➤ **Pressure Range**

Pressure range controls the range of pressure displayed on the *I-Command* Digital gauge.

From a single, dual, or quad analog page on the Main display, press MENU. Highlight SYSTEM SETUP. Press ENTER. Using the UP / DOWN buttons, select PRESSURE RANGE. Press ENTER. Select ENGINE WATER.

Other categories display, but are not supported:

- Engine oil
- Fuel
- Engine boost
- Transmission oil

Choose the desired engine water pressure range (0-15; 0-30; 0-60; 0-80; or 0-100 psi). Press ENTER to set the engine water pressure range.

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## ➤ **Change Units**

Measurement units can be customized to suit user preference.

From the System Setup menu, select CHANGE UNITS. Press ENTER. Using the UP / DOWN buttons, select a monitoring category:

- Speed/distance
- Temperature
- Pressure
- Depth
- GPS coordinates
- Volume

### **SPEED AND DISTANCE**

From the Change Units menu, select SPEED AND DISTANCE. Press ENTER. Using the UP / DOWN buttons, select a unit of measurement:

- Statute (default)
- Nautical
- Metric

Press ENTER to set speed and distance units.

### **TEMPERATURE**

From the Change Units menu, select TEMPERATURE. Press ENTER. Using the UP / DOWN buttons, select a unit of measurement:

- Fahrenheit (default)
- Celsius

Press ENTER to set temperature units.

### **PRESSURE**

From the Change Units menu, select PRESSURE. Press ENTER. Using the UP / DOWN buttons, select a unit of measurement:

- PSI (default)
- Bars

Press ENTER to set pressure units.

### **DEPTH**

From the Change Units menu, select DEPTH. Press ENTER. Using the UP / DOWN buttons, select a unit of measurement:

- Feet (default)
- Fathoms
- Meters

Press ENTER to set depth units.

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## **GPS COORDINATES**

From the Change Units menu, select GPS COORDINATES. Press ENTER. Using the UP / DOWN buttons, select a unit of measurement:

- Degrees and minutes (Deg/min) (default)
- Degrees, minutes, and seconds (Deg/min/sec)

Press ENTER to set GPS Coordinates units.

## **VOLUME**

From the Change Units menu, select VOLUME. Press ENTER. Using the UP / DOWN buttons, select a unit of measurement:

- US gallons (default)
- Liters

Press ENTER to set Volume units.

## **➤ Sleep Mode**

Sleep mode allows the *I-Command* Digital gauge to enter power-save status to keep from overdrawing on the boat's power source.

From the System Setup menu, select SLEEP MODE. Press ENTER. Using the UP / DOWN buttons, select ON or OFF. Press ENTER to set the sleep mode.

## **➤ NMEA Information**

The NMEA information displays the gauge address, instance, serial number, and version.

From the System Setup menu, select NMEA INFORMATION. Press ENTER. The NMEA information will be displayed on the screen.

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# PRODUCT WARRANTY

## BRP LIMITED WARRANTY FOR *EVINRUDE/JOHNSON* GENUINE PARTS AND ACCESSORIES SOLD IN THE UNITED STATES AND CANADA

Bombardier Recreational Products Inc. (“BRP”) warrants its *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”).

Powerhead assemblies are warranted for a period of SIX (6) CONSECUTIVE MONTHS from the date of purchase. All other Products are warranted for a period of TWELVE (12) CONSECUTIVE MONTHS from the date of purchase.

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.

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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.

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. For assistance, please contact BRP US Inc. Customer Support Services, 250 Sea Horse Drive, Waukegan, IL, 60085, 1-847-689-7090 or visit [www.brp.com](http://www.brp.com).

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For Products sold outside the fifty United States and Canada, the BRP Limited Warranty for *Evinrude/Johnson* Genuine Parts and Accessories Sold in the United States and Canada (“Limited Warranty”) applies, except it is modified as follows:

- 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.
- Products purchased for commercial use, or used commercially at any time during the warranty period, are warranted for SIX (6) CONSECUTIVE MONTHS from the date of purchase. Product is used commercially when it is used in connection with any work or employment that generates income, during any part of the warranty period. Product is also used commercially when, at any point during the warranty period, it is installed on a boat that has commercial tags or is licensed for commercial use.
- 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. Customer Support Services, 250 Sea Horse Drive, Waukegan, Illinois, 60085, 1-847-689-7090, or the affiliate of BRP Inc. where the Product was sold to the retail Purchaser.

No other change to the Limited Warranty shall be made or implied.

Effective as of December 1, 2001.

