

# *User's Guide*

Evinrude iLink

***EVINRUDE***<sup>®</sup>  
*E-TEC*<sup>®</sup>







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# Safety Information

This user's guide may contain the following safety messages:

## **DANGER**

Indicates a hazardous situation which, if not avoided, will result in death or serious injury.

## **WARNING**

Indicates a hazardous situation which, if not avoided, could result in death or serious injury

## **CAUTION**

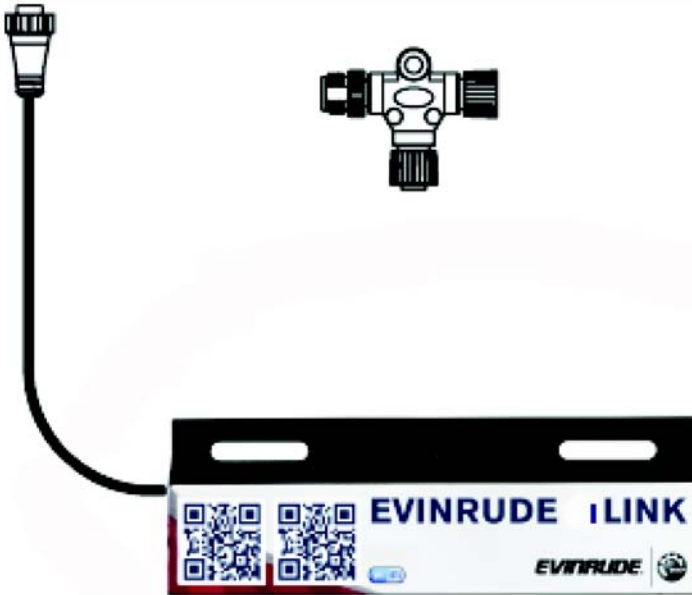
Indicates a hazardous situation which, if not avoided, could result in minor or moderate personal injury.

## **NOTICE**

Indicates an instruction which, if not followed, could severely damage engine components or other property.

This user's guide contains information to prevent personal injury and damage to equipment. Use this guide in combination with the boat and outboard operator's guides. Always follow safety and operation information.

## Contents of iLink Kit P/N 768403



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Reference	Part Number	Description
—	768403	iLink Kit
1	764151	TEE
2	768402	iLink Module

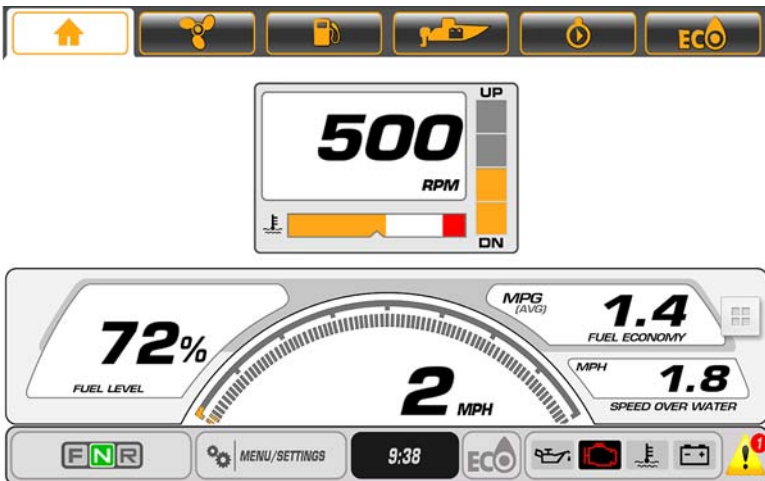
**IMPORTANT:** BRP does not supply the Android or iOS device used in conjunction with the Evinrude® iLink Virtual Dashboard.

## Product Information

The *Evinrude® iLink Virtual Dashboard* enables the display and direct control of important engine features from a mobile device. An innovative alternative to traditional marine instrumentation, iLink shares critical E-TEC G2 engine data over a NMEA 2000 network via WiFi to any iOS or Android device from anywhere on a boat.

Evinrude iLink mirrors the data shown on Evinrude's ICON Touch displays giving users fingertip access to vital engine and vessel information including:

- Engine RPM, fuel flow, trim position and oil level, as well as fuel levels, battery voltage and water depth
- Two Trip Logs to assist boaters with fuel management by calculating distance traveled, fuel consumed and average and maximum boat speed
- An ECO page that allows boaters achieve the best possible efficiency in different operating conditions by monitoring estimated range and instantaneous and average fuel use
- A concierge page that includes links to the Evinrude "Find A Dealer" webpage as well as "Send Engine Data" option to forward engine data directly to a dealer or service team via email



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## Installation

Prior to installation, inspect the label on the back of the Evinrude iLink Wi-Fi module.

Record the Wi-Fi password: EvinrudeiLINK

Record the MAC iD (alpha numeric (XX00))

The iLink Wi-Fi Module is installed in-line with the existing NMEA 2000 network backbone.

### FROM THE WATERCRAFT:

Disconnect the negative (—) battery cable.

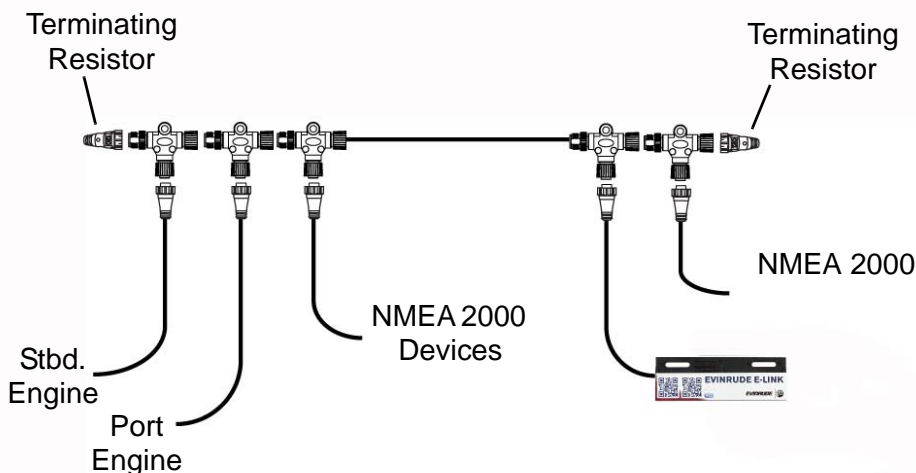
### ⚠ WARNING

**Be sure to disconnect the battery cables in order to disconnect the power source from the electrical system before performing any work.**

Access the NMEA 2000 network backbone and remove a connection at one end of the backbone in order to allow the installation of another T-connector.

Connect the TEE, P/N 764151, provided in the Evinrude iLink Kit, P/N 768403, into the open end of the network.

Align so the TEES lay flat against the mounting surface and tighten all of the connections on the NMEA 2000 backbone.



Re-connect the negative (—) battery cable.

Turn the ignition switch to the ON position. Two lights will illuminate on the iLink Wi-Fi module indicating power is ON and the device is ready to connect.

## **INSTALLING THE EVINRIDE iLink APP**

### **Method 1 For Android Devices:**

- 1) Access the Google Play Store by pressing the Play Store app.
- 2) Search for the Evinrude iLink app.
- 3) Download the Evinrude iLink app.
- 4) Once the app has finished the installation process, it is ready for use.

### **Method 2 For Android Devices:**

- 1) Scan the QR code on the package label for the respective android device.
- 2) Follow the procedures to download the Evinrude iLink app.

### **Method 3 For iOS Devices:**

- 1) Access the iOS App Store by pressing on the app called “App Store.”
- 2) Search for the Evinrude iLink app.
- 3) Install the app by pressing the install box within the app store.
- 4) Once the app has completed the installation process it is ready for use.

Exit SETTINGS by pressing the HOME button.

From the home page of the device, search for the *Evinrude® iLink* app and launch the app.

Engine information will start to populate the fields indicating the connection has been made.

**NOTE:** If there is no data showing, check the connection to the CAN system and the WiFi settings on the android device.



## Turning the iLink Module ON

Turn the ignition switch to the ON position or start the Outboard to turn the *Evinrude® iLink* Wi-Fi module ON.

Engine information will start to populate the fields indicating the connection has been made. This may take up to 60 seconds.

### Status Bar

The status bar is located at the bottom of the screen. The data shown is:

- Gear position - Forward (F), Neutral (N), or Reverse (R) - (for each remote control)
- Menu Settings
- Time - Hours/Minutes - based off user's smart device
- ECO - ON or OFF (indicates an economical operating condition when illuminated)
- Outboard Status Indicators - Oil, Outboard, Temperature, and Battery



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### Touch Point Command Icons

Touch point command icons are located at the top of the screen. Touch the icons to access the 6 different pages of engine and vessel information.

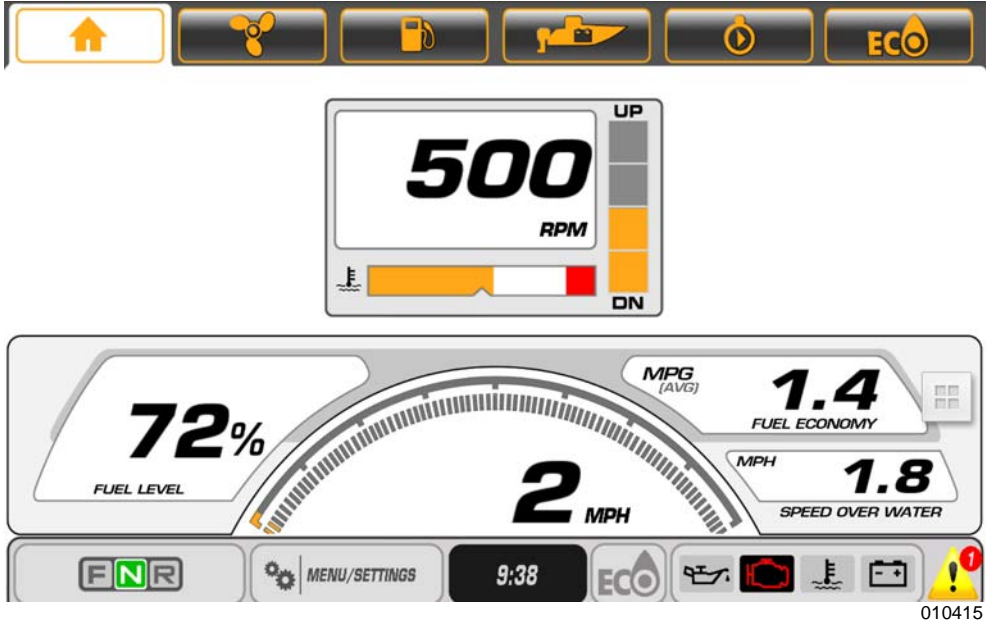


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# Screen Features

## Home

Press the Home icon to access the home screen.



The home screen shows data for the number of engines selected:

- RPM
- Coolant Temperature (Default) or Coolant Pressure (if available from the outboard)
- Trim position
- Speed Over Ground (SOG) - requires a GPS antenna input; use GPS Antenna Kit, P/N 767488.
- Fuel Level % - requires the input of NMEA 2000, instance 4 fuel data
- Fuel Economy - miles per gallon (MPG) requires Speed Over Ground input (from GPS antenna) or Speed Over Water (SOW) input



## For Single Outboard Applications Only:

There are two home pages available. Press the Home icon a second time to toggle between the different home screens.

Home icon



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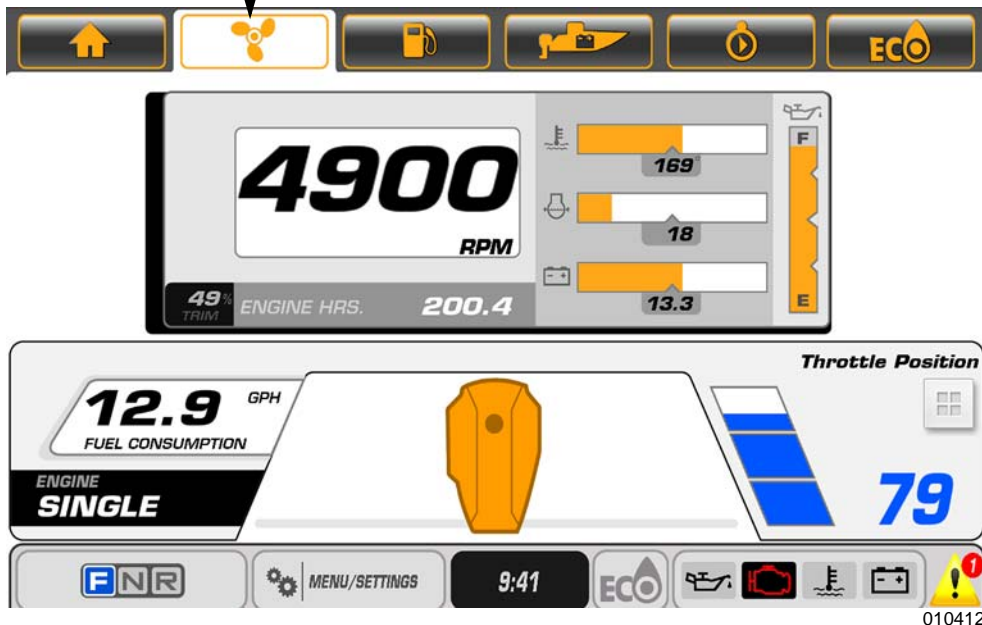
The data shown is:

- RPM
- Trim %
- Water pressure - requires 0-50 psi pressure input transducer. Use Water Pressure Sensor Kit, P/N 5008640

## Engine Page

Touch the propeller icon on the screen to view the data specific to the engine. Engines will be represented by individual icons. Touch the engine icon to view information specific to that engine. Port engines will be highlighted in red. Starboard engines will be highlighted in green.

Propeller icon



The data shown is:

- RPM, Trim, Engine Hours
- Coolant Temperature
- Water pressure (if equipped with optional sensor)
- Battery voltage
- Oil Level (from the outboard mounted oil tank)

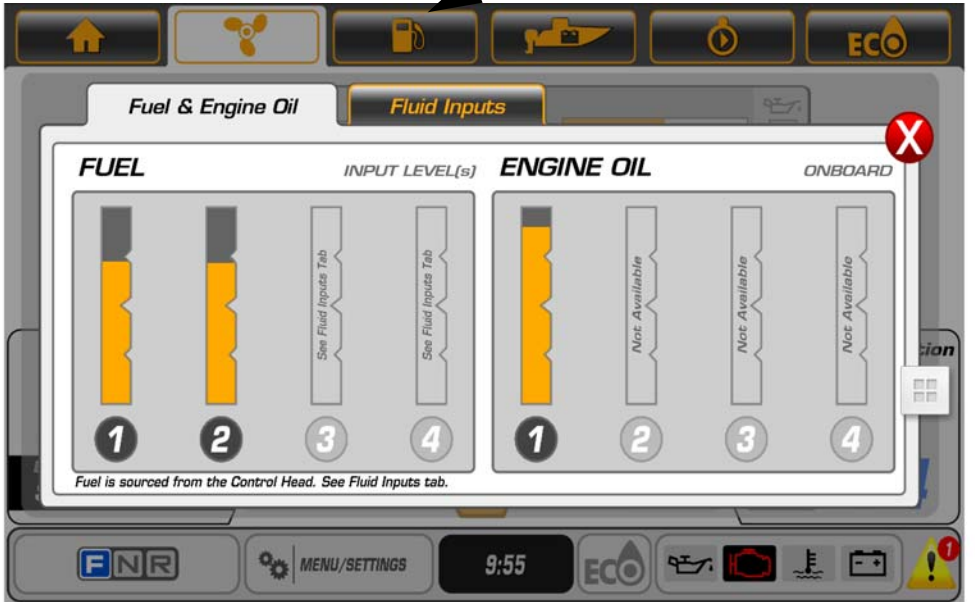
**NOTE:** The oil level reading is not available when the outboard is in the tilt range

- Fuel Consumption (for the selected outboard)
- Throttle Position

## Fluid Tanks

Touch the Fluid Tanks icon to access the Fluid Tanks screen. This is a pop-up screen.

Fuel Tanks icon



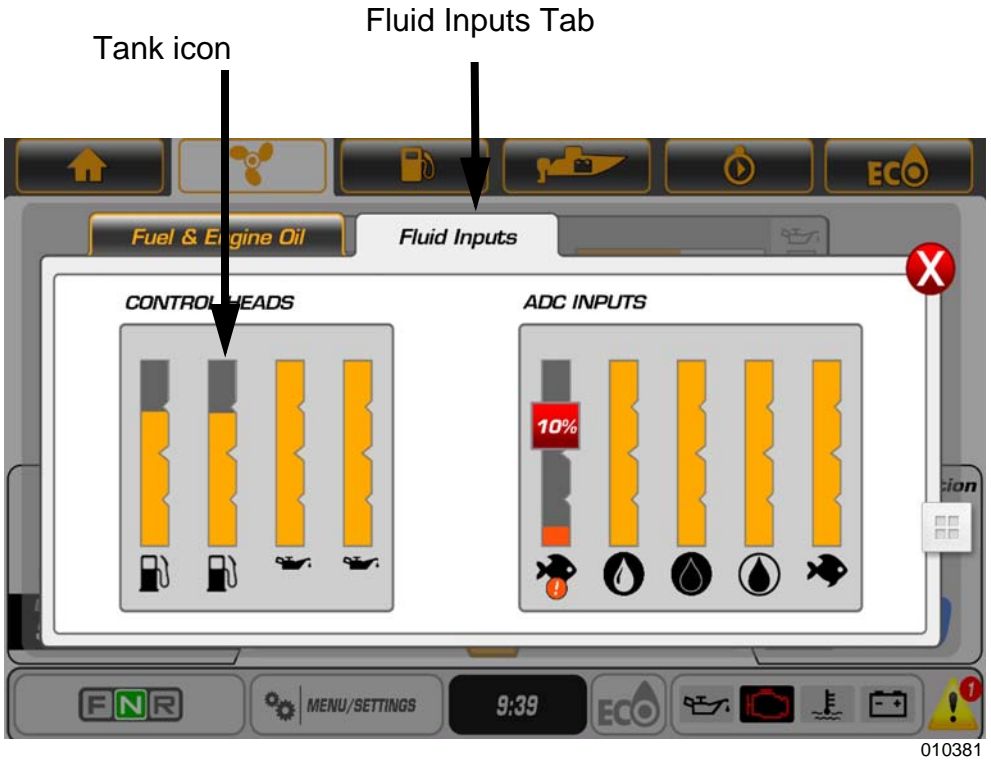
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The data shown is:

- Fuel level (up to four tanks)
- Engine Oil level

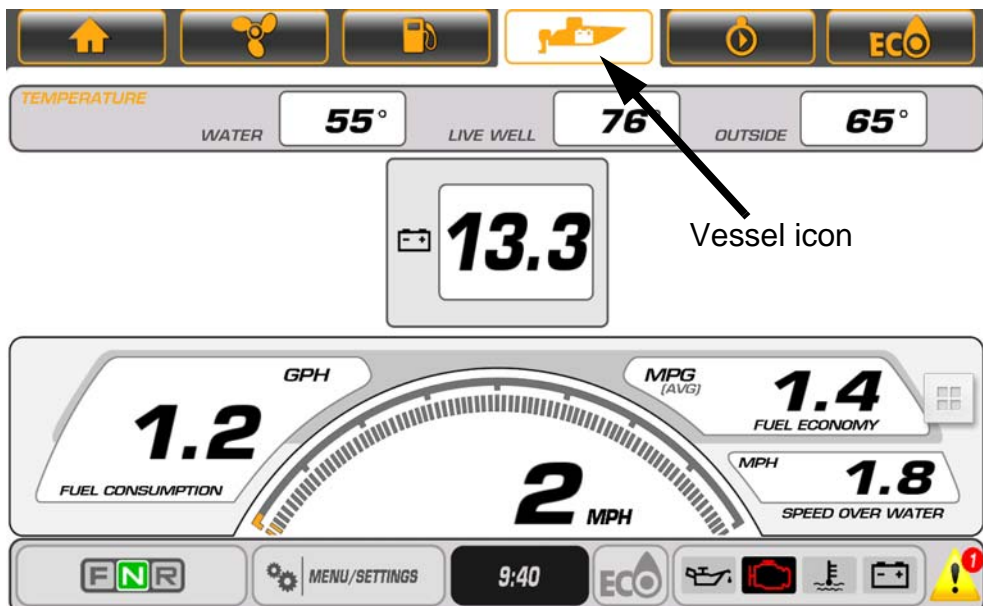
**NOTE:** A low oil warning pop-up will activate when the oil level is equal to or less than 25% of the total volume.

Touch the Fluid Inputs tab. This will display all of the existing NMEA 2000 fluid level inputs.



## Vessel

Touch the Vessel icon to access the vessel screen.



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The data shown is:

- Water temperature (if equipped with sensor)
- Live well temperature (if equipped with sensor)
- Outside air temperature (if equipped with sensor)
- Battery voltage
- Fuel consumption - vessel gallons per hour (V-GPH) - sum of all out-boards
- Vessel speed - Miles Per Hour (MPH)
- Fuel Economy - Miles Per Gallon (MPG)

**NOTE:** Temperature data requires the installation of a temperature sensor.

# Trip Log

Touch the Trip icon to access the Trip Log screen. The trip icon screen shows data pertaining to the operation of the vessel during a specified time or distance.

Trip icon



The screenshot shows a navigation bar at the top with icons for Home, Fan, Fuel, Boat, Trip (highlighted), and ECO. Below is a table with two columns for TRIP 1 and TRIP 2. The table lists metrics: DISTANCE, OPERATING TIME, AVG. SPEED, MAX. SPEED, AVG. FUEL ECONOMY, and FUEL CONSUMED. Below the table are two STOP buttons. At the bottom is a status bar with FNR, MENU/SETTINGS, 1:02, ECO, and other icons.

	TRIP 1	TRIP 2
DISTANCE	0.0 mi	0.0 mi
OPERATING TIME	00:00:06	00:00:07
AVG. SPEED	0.7 mph	0.7 mph
MAX. SPEED	0 mph	0 mph
AVG. FUEL ECONOMY	9.0 mpg	9.0 mpg
FUEL CONSUMED	0.0 gal	0.0 gal

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Touch the start button to start a trip log. Touch the stop button to stop a trip log. Touch and hold the start button to reset the trip log.

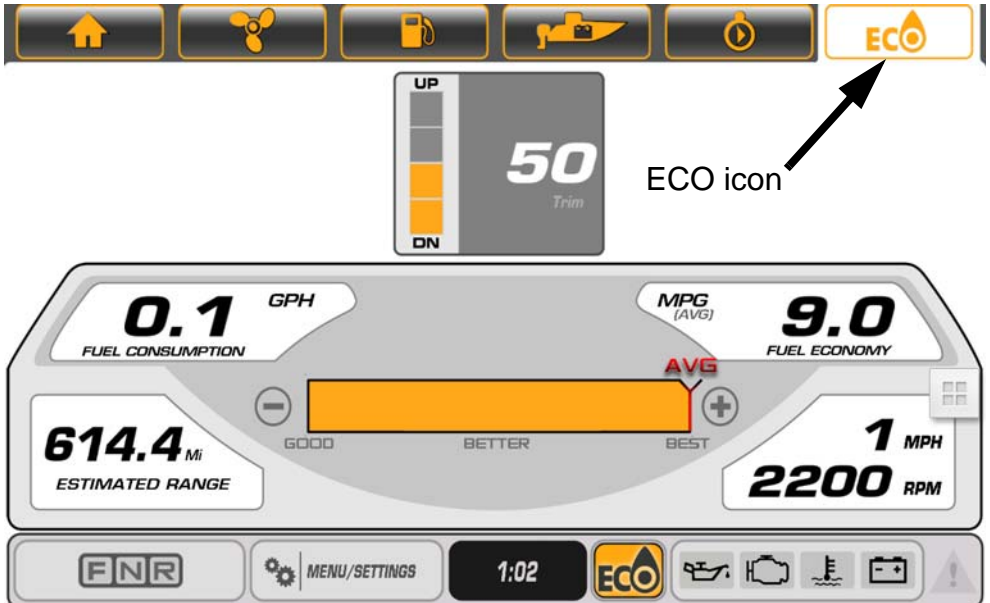
The data shown is:

- Distance
- Operating Time
- Average Speed
- Maximum Speed
- Average Fuel Economy
- Fuel Consumed



## ECO (Fuel Economy)

Touch the ECO icon to access the ECO screen. This screen displays the fuel economy data. ECO data requires the installation of a GPS antenna. Use BRP P/N 767488.



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The data shown is:

- Trim - Port, Port Center, Starboard Center and Starboard outboards
- Fuel Consumption - vessel gallons per hour (V-GPH) - sum of all outboards
- Fuel Economy - Miles Per Gallon (MPG)
- Range MI (miles)
- Average (AVG) - Sliding Bar
- Vessel Speed - Miles Per Hour (MPH)

The AVG bar shows a combined average economy of all outboards on the vessel. The indication consists of a centered vertical line and a bar that moves left and right. The ECO indicator will illuminate any time the bar is equal to or on the right side of the vertical line. To reset, touch and hold the AVG bar icon until the data is removed from the icon. The display will automatically start collecting new data and display a new average.

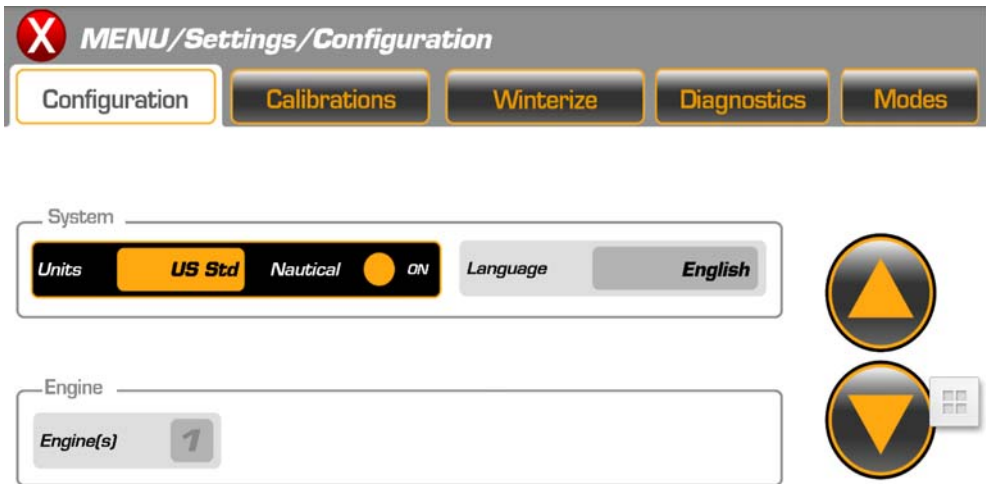
# Configuration

Touch the Menu/Settings icon to access the configuration tab.

To set a configuration, touch an icon to select it then touch the UP and DOWN arrows on the display screen to change the setting.

Configuration settings include:

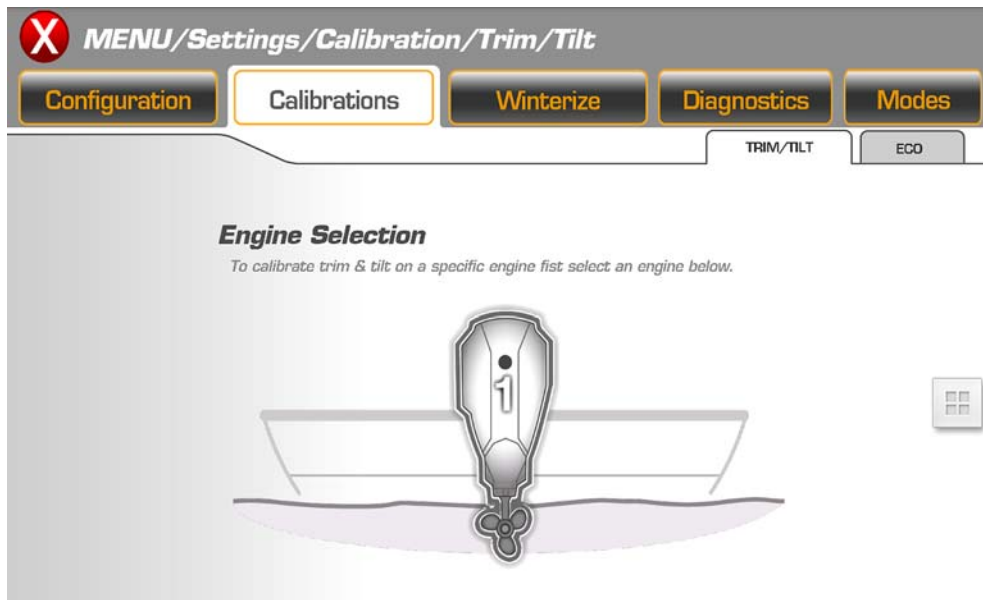
- System - Units and Language
- Engines - Number of engines on the vessel (up to four)



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# Calibrations

From the Menu/Settings screen, touch the Calibrations tab. Select an outboard and follow the pop-up menu instructions on the display screen.



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# Examples Of Pop-Up Menu Instructions

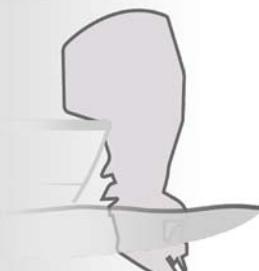
**X** MENU/Settings/Calibration/Trim/Tilt

Configuration Calibrations Winterize Diagnostics Modes

TRIM/TILT ECO

Return to Engine Selection

**1** Engine Trim & Tilt (Calibration Setup)



TILT MAX

TRIM UPPER

TRIM LOWER

**SET**  
Calibration Point

Lower engine to lower trim position and press "SET Calibration Point" button

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**X** MENU/Settings/Calibration/Trim/Tilt

Configuration Calibrations Winterize Diagnostics Modes

TRIM/TILT ECO

Return to Engine Selection

**1** Engine Trim & Tilt (Calibration Setup)



TILT MAX

TRIM UPPER

TRIM LOWER

**SET**  
Calibration Point

Raise engine to upper trim position and press "SET Calibration Point" button

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## ECO

In the Calibrations feature, touch the ECO icon to set the ECO calibrations.

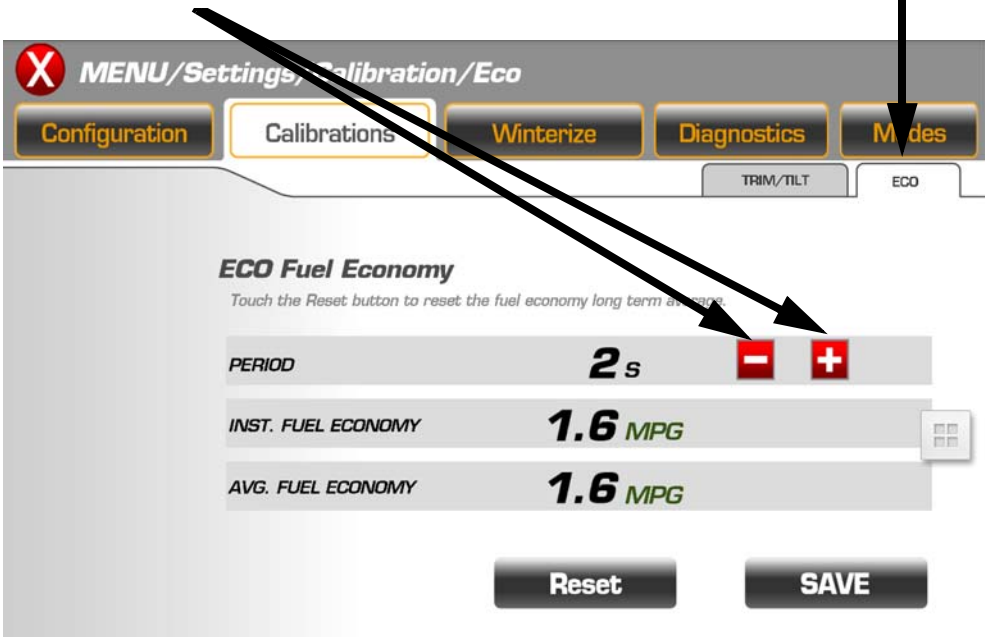
Touch the Minus and Plus icons to change the number of seconds in the Fuel Economy calculation period.

Touch the Reset icon to reset the Fuel Economy Long Term Average.

Touch the Save icon to save the settings.

Minus and Plus icons

ECO Tab icon



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# Winterize

Use the winterization mode to prepare the outboard for extended storage. Run the outboard in NEUTRAL idle to activate this mode.

- In the Menu/Settings feature, touch the Winterize tab to access the winterize function
- Touch an outboard icon to select the specific outboard
- Touch the Winterize Engine icon
- Follow the pop-up menu instructions on the display screen
- Repeat until all outboards are winterized
- When the winterization process is complete, the outboard will automatically turn OFF.



## Winterize

To start the winterize process select an engine below. Then Press the "Winterize Engine" button.



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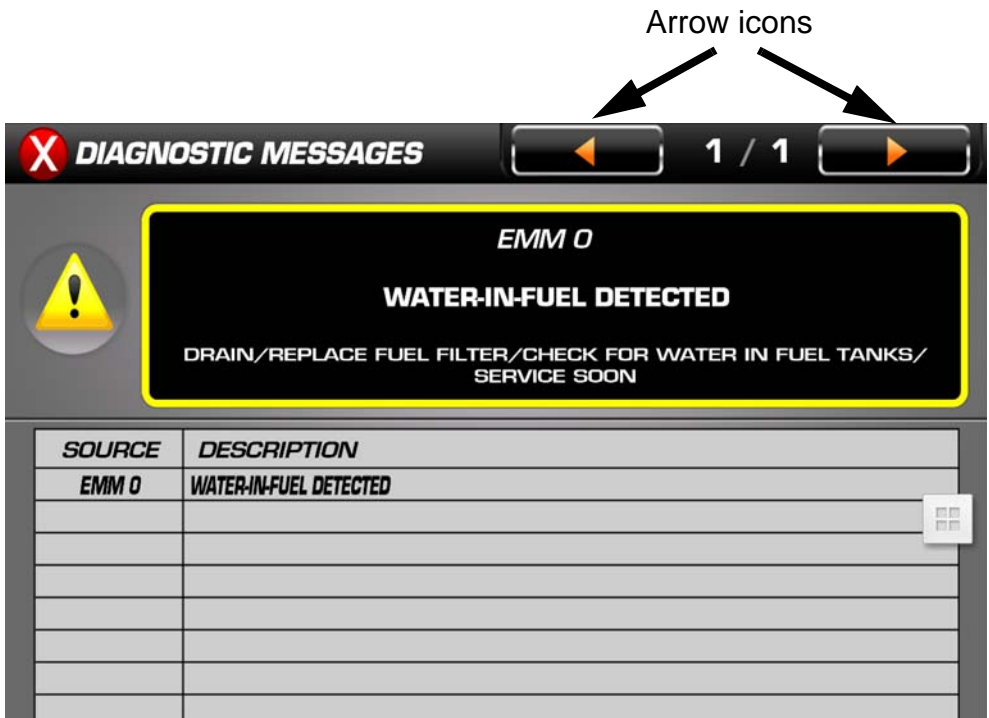
## Diagnostics

Touch the Menu/Settings icon to access the diagnostics screen.

The diagnostics screen displays active faults generated by the outboards Electronic Management Module (EMM).

Select this screen to view fault codes that have been activated and stored in the EMM for service needs.

Touch the Arrow icons at the top of the screen to scroll the fault list.



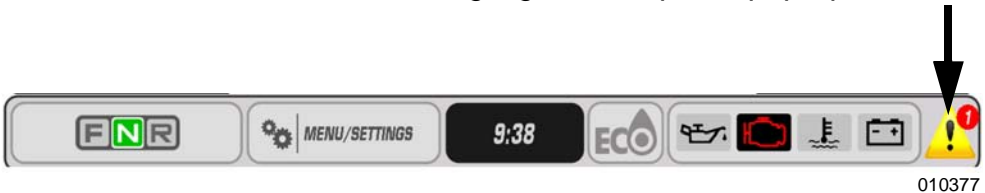
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# System Faults

System faults are generated by the outboard and the remote control. When an active or current fault is broadcast onto the network by a remote control or outboard, the display will:

- 1) For non-critical faults, initiate a pop-up with the appropriate information displayed. The pop-up color will be orange. In addition, the appropriate Outboard Status Indicator in the Status Bar will be highlighted.
- 2) For faults needing immediate attention, initiate a pop-up with the appropriate information displayed. In addition, the Audible Alarm Drive Output will be set to sound an audible user alert. The pop-up color will be red. In addition, the appropriate Outboard Status Indicator in the status bar will be highlighted.
- 3) Indicate an existing warning by highlighting an outboard status indicator icon on the Status Bar.

Select if highlighted to open a pop-up window



A pop-up and audible warning will remain in effect until acknowledged by the operator by touching the hide button. As long as the fault is active, the pop-up may be re-initiated by touching the right-hand side of the Outboard Status Indicator area of the Status Bar.



## Modes

Touch the Menu/Settings button then Modes to access the Modes screen.



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Touch the on-screen icon to change the Mode. This change is applied to all outboards in the system.

- Trim Assist - Selections include OFF or ON (delay of approximately 20-30 seconds of response time)
- Power Steering Assist - Selections include Minimum, Medium and Maximum (delay of approximately 20-30 seconds of response time)

**NOTE:** Power steering is only active for models equipped with Dynamic Power Steering.

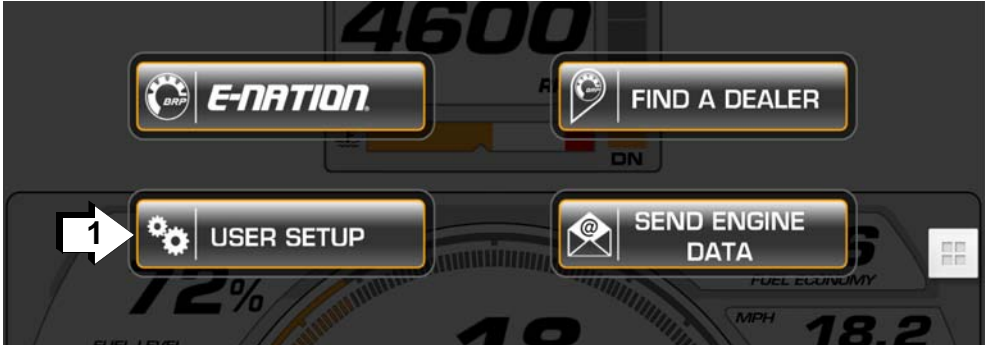
## Concierge Page

The concierge page can be accessed at any time from any page. Touch a page and slide your finger from left to right. Touch the user setup icon to access the user information fields. Evinrude recommends this data be entered to provide you and the servicing dealer completed information for servicing requirements.



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Press the USER SETUP button and complete the information requested. This information will be sent to your dealer when sending data.



1. User Setup button

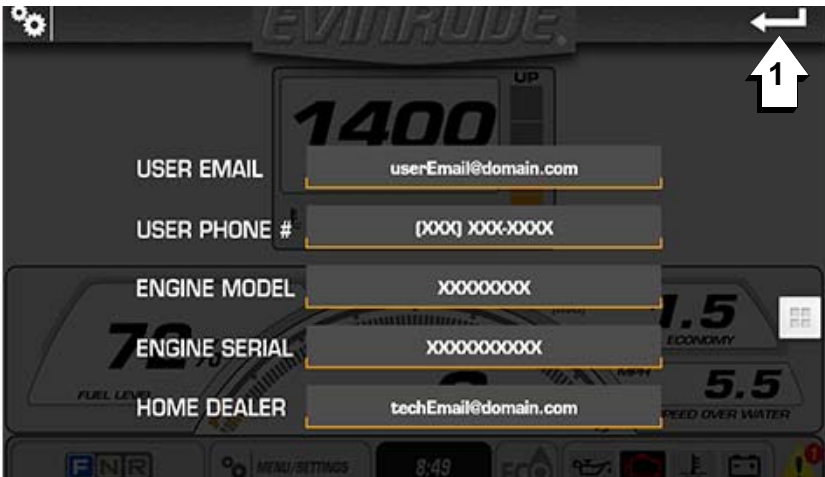
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The necessary information is as follows:

- User E-mail: userEmail@domain.com
- User Phone: (XXX) XXX-XXXX
- Hull ID: (XXX-XXXXX-XX-XX)
- Technician Dealer E-mail: (techEmail@domain.com)

**NOTE:** Email of dealer that will service your engine

Once the information is completed, press the Return Arrow to begin using your application.



1. Return Arrow

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## Sending Data

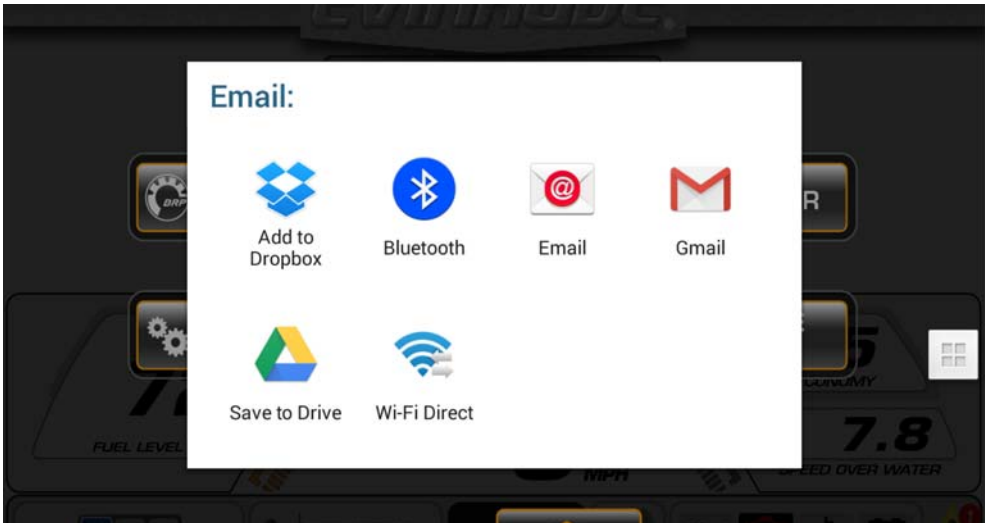
With the information being collected on the app, navigate to the iLink settings page and press the SEND ENGINE DATA button.



1. SEND ENGINE DATA button

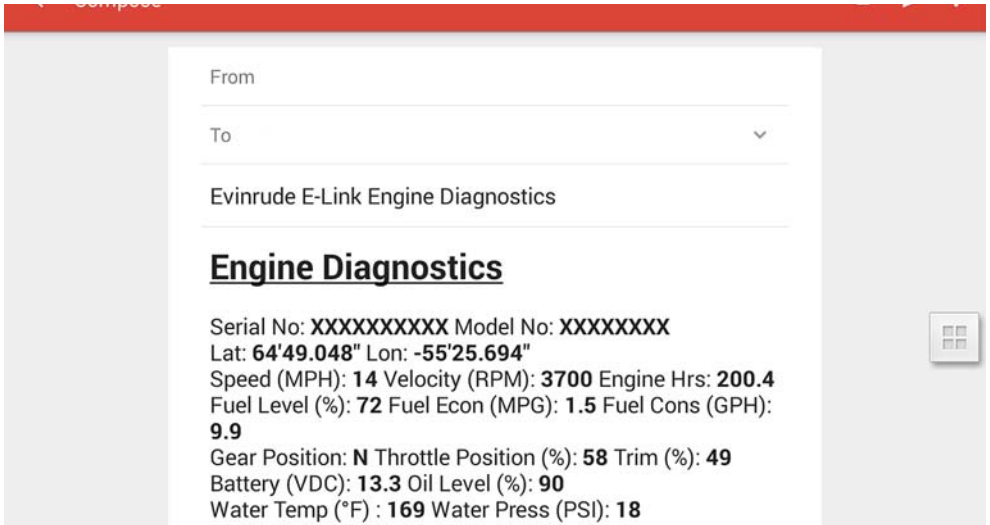
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You will be asked if you want to send e-mail. If you choose to, you will be taken out of the application and the e-mail program will be opened.



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Enter the address of the person you want to send the collected information and send e-mail.



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Touch the concierge page and slide your finger from right to left to return to the main pages of the Evinrude iLink app.



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## Troubleshooting Information

	<b>Problem</b>	<b>Solution</b>
<b>Trim Position Troubleshooting Tip</b>	Trim position is not accurate  Trim position does not display	Reset the Trim/Tilt calibration level
<b>Water Pressure Troubleshooting Tip</b>	Water pressure does not display or is not accurate	Install the accessory water pressure sensor; use Evinrude diagnostics (see your dealer)
<b>Data Display Troubleshooting Tip</b>	Data does not display for the selected engine	Verify the engine instances; use Evinrude diagnostics (see your dealer)
<b>Trip Log Troubleshooting Tip</b>	Trip log remains at zero or is not accurate	Start the trip log after the time of day appears on the status bar
<b>Temperature Troubleshooting Tip</b>	Temperature readings do not display or are not accurate	Install or configure the optional temperature sensor to display the selected temperature data

Problem	Solution
<b>Speed Over Water (SOW) field is not visible</b>	Install a SOW sensor into the NMEA 2000 network. Use one of the following: BRP P/N 764761 - Transom Mount (speed, depth, temp) transducer BRP P/N 764673 - Thru Hull (speed, depth, temp) transducer BRP P/N - 765150 - Paddle wheel speed sensor
Trip data does not appear	Install a GPS antenna. Use BRP P/N 767488
<b>NOTE:</b> If the vessel is already equipped with an Evinrude or NMEA 2000 equivalent device, the <i>Evinrude® iLink</i> app will display the information without additional configuration.	

\* **Certain Wi-Fi devices, such as smaller Samsung tablets, may exhibit loss of Wi-Fi connection or other sporadic connection behavior. Rebooting this device and/or reconnecting through wireless setting can remedy this.**







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