

VESSELVIEW 4 INSTALLATION INSTRUCTIONS

NOTE: After completing installation, place these instructions with the product for the owner's future use.

IMPORTANT: This document guides our dealers, boatbuilders, and company service personnel in the proper installation or service of our products. If you have not been trained in the recommended servicing or installation procedures for these or similar Mercury Marine products, have the work performed by an authorized Mercury Marine dealer technician. Improper installation or servicing of the Mercury product could result in damage to the product or personal injury to those installing or operating the product.



55827

Ref.	Qty.	Description
1	1	VesselView 4
2	1	VesselView 4 harness assembly
3	1	Air temperature sensor and mounting hardware
4	1	VesselView 4 adapter harness
5	1	Quick Start Guide
6	1	Sun cover
7	2	Trim bezel
8	1	Mounting hardware
9	1	Gasket

VesselView 4 Installation

Wiring

- Never attempt to connect, network, tie into, switch, sink source voltage or current from the DTS wiring harnesses.
- Never attempt to connect any type of communication or navigation equipment into the DTS wiring harnessing other than at the designated connection point.

- Always install boat accessory equipment using an appropriate power source connection, such as a fuse panel or junction box.
- Never attempt to tap directly into any of the DTS electrical wiring harnesses for a source of power.

⚠ WARNING

Splicing or probing will damage the wire insulation allowing water to enter the wiring. Water intrusion may lead to wiring failure and loss of throttle and shift control. To avoid the possibility of serious injury or death from loss of boat control, do not splice or probe into any wire insulation of the DTS system.

Wiring Guidelines for Electrical Boat Accessories

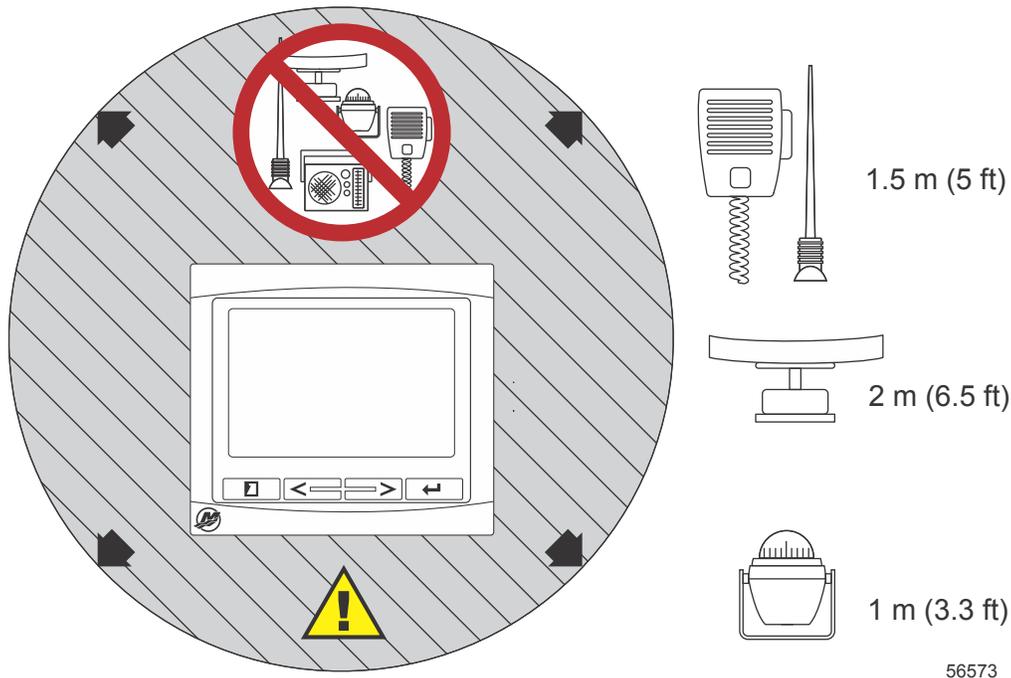
⚠ WARNING

Excessive voltage drop may compromise the DTS system, leading to serious injury or death from loss of throttle and shift control. Do not wire any electrical accessory into the 12-volt ignition key switch circuits of the DTS system.

IMPORTANT: Do not connect boat accessories to the ignition key switch. Use a separate, switched 12-volt source for wiring boat accessories.

IMPORTANT: The DTS system requires a consistent 12-volt power source. Splicing or connecting accessories to the 12-volt or ignition key switch DTS circuits (purple, purple/white, or red wires) could blow a fuse or overload circuits, causing intermittent or complete loss of operation.

Electromagnetic Interference



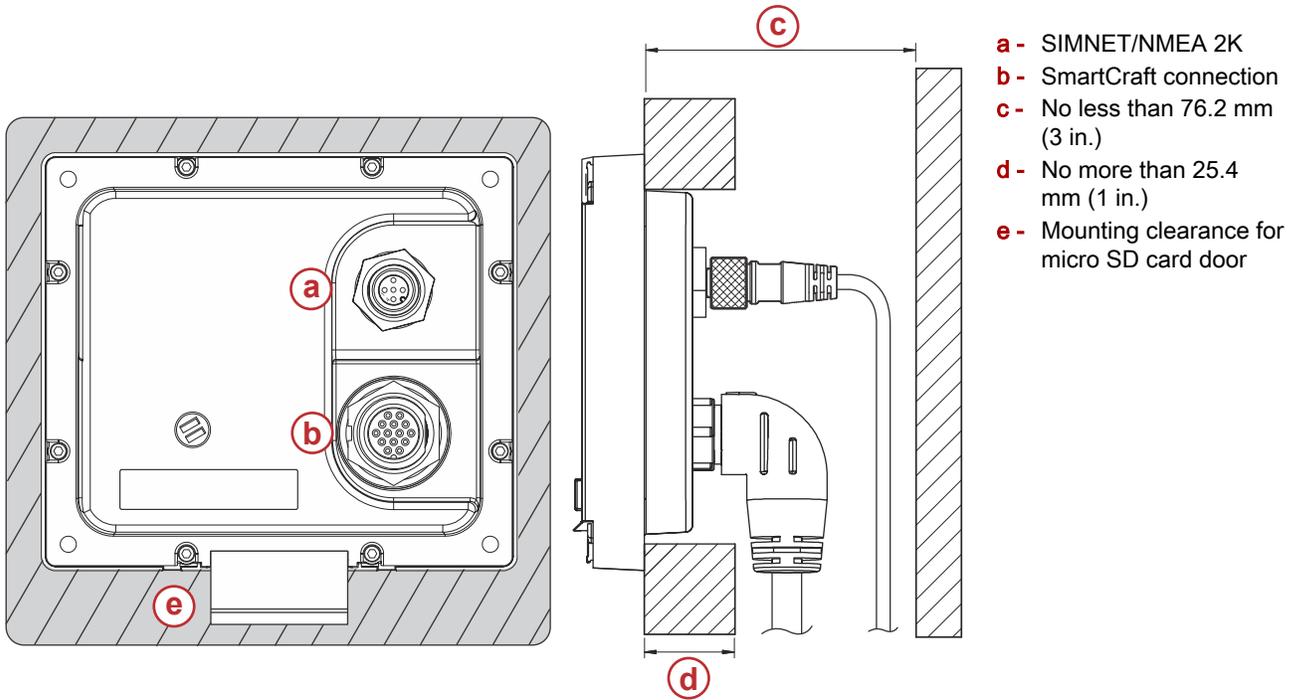
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Minimum distances from VesselView

Harness Installation Guidelines

- Locate an appropriate path for routing the harness connections to their installation points.
- Inspect the routing path to ensure that surfaces are free of any sharp edges or burrs that could cut the harness.
- Fasten and support the harness with clamps or cable ties every 45.8 cm (18 in.) along the routing path. A clamp or cable tie must be used within 25.4 cm (10 in.) of any connection in a DTS system.
- Ensure that all connections are tight. Seal all unused connectors with weather caps.

Connections and Clearances



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Mounting Location

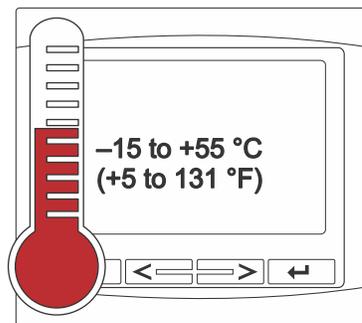
The mounting location must be carefully chosen before you drill or cut. VesselView must be mounted so that the operator can use the controls and clearly see the display screen. The display screen has high-contrast and antireflective properties that allow viewing in direct sunlight. For best results, mount the display out of direct sunlight and where there is minimal glare from windows or bright objects.

Verify that there are no hidden electrical wires or other parts behind the panel before cutting.

Do not install where it can be used as a handhold, where it might be submerged, or where it will interfere with the operation of the boat.

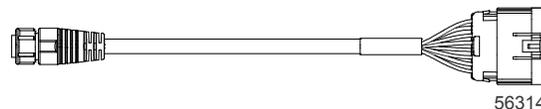
Ensure that there is sufficient clearance space to connect all relevant cables.

Good ventilation must be considered when identifying a mounting location. Poor ventilation can cause the display to overheat.



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The following installation instructions have been written for the harnesses included with the VesselView. The 90° harness connector may not allow VesselView to be installed when the dashboard thickness is greater than the dimension listed. Straight connector part number 8M0075079 should be ordered when the dashboard thickness exceeds the maximum allowable thickness.

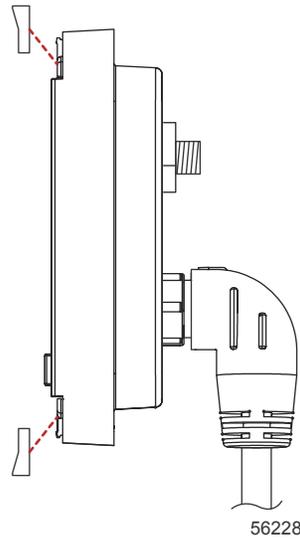


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Optional straight connector

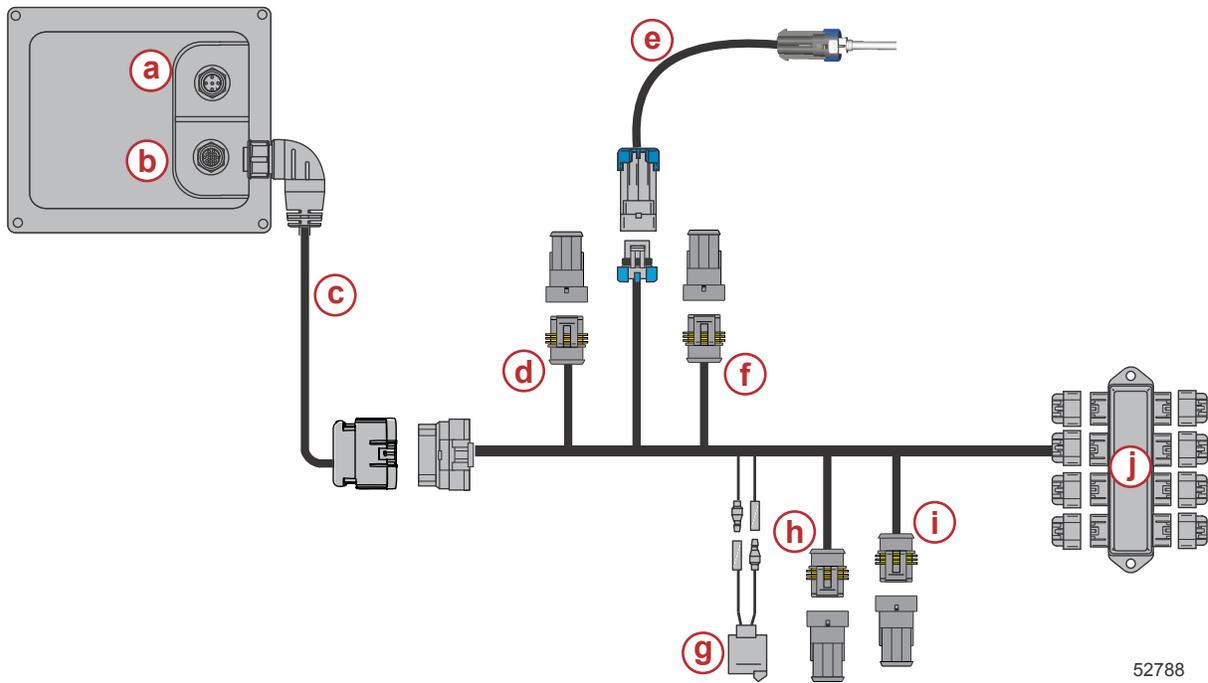
VESSELVIEW 4 INSTALLATION INSTRUCTIONS

1. Verify that there is sufficient clearance for the VesselView harness connections.
2. Secure the cutout template to the mounting surface with adhesive tape.
3. Drill four 4.5 mm (#16 drill bit) mounting holes when using the threaded screws and nuts with washers.
4. Drill four 3.5 mm (#29 drill bit) mounting holes when using the pan head sheet metal screws.
5. Use an appropriate size drill bit or hole saw to cut out the four 19 mm (3/4 in.) corners of the gray cutout area.
6. Remove the remaining gray area with a saw or other device.
7. Use a file to remove any sharp edges.
8. Verify that VesselView fits into the opening. Remove material from the opening if there is any interference.
9. Remove the adhesive protection backing from the gasket and install onto the mounting contact surface of the VesselView.
10. Connect all of the cables to the rear of the unit before inserting into the opening.
11. Secure the unit with the mounting hardware.
12. Install the upper and lower bezel trim.



Bezel trim installation

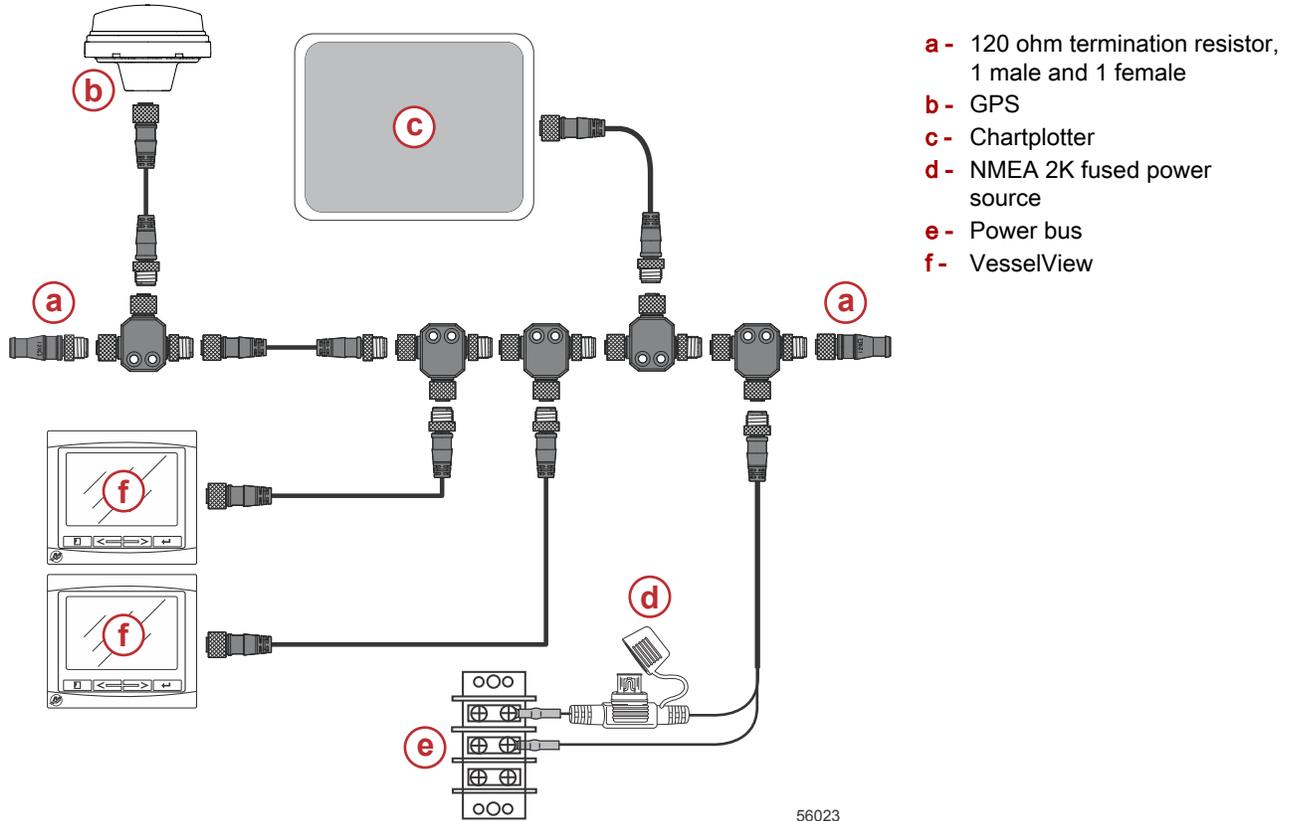
VesselView 4 SmartCraft Wire Harness



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- a** - SIMNET/NMEA 2K connection
- b** - SmartCraft network and power
- c** - VesselView adapter harness
- d** - System Link port center
- e** - Air temperature sensor
- f** - System Link starboard center
- g** - Horn
- h** - System Link port
- i** - System Link starboard
- j** - Junction box

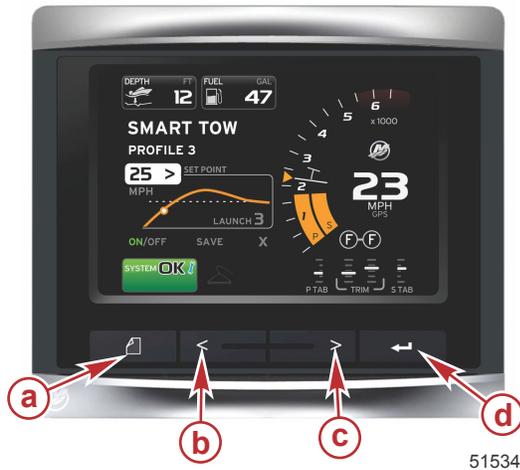
VesselView NMEA 2K Connections (Optional)



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Button Identification

Buttons



VesselView 4

- a** - PAGES button
- b** - LEFT arrow button
- c** - RIGHT arrow button
- d** - ENTER button

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- Pressing the PAGES button will activate the scroller bar menu. Pressing the PAGES button again exits the scroller bar menu.
- Use the LEFT and RIGHT arrow buttons to navigate (highlight) fields on the screen.
- Press the ENTER button when the desired icon is highlighted to enter that data field or function.

Setup Wizard

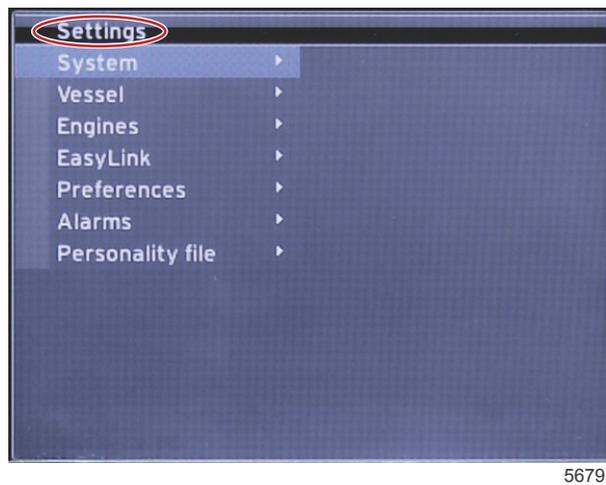
IMPORTANT: Do not rush VesselView by pressing buttons while the system is booting up to acquire vessel and engine data. When VesselView is initially started or after a factory reset, the system will take a few seconds to complete the boot up process.

VESSELVIEW 4 INSTALLATION INSTRUCTIONS

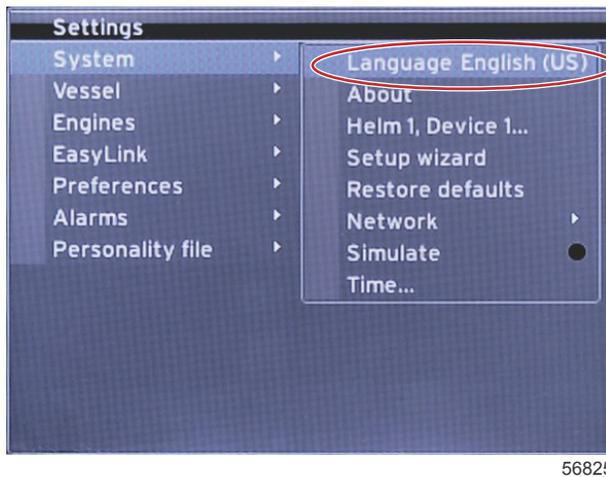
The VesselView setup wizard guides you through the first steps of configuring the VesselView. The setup wizard can be accessed at any time through the SETTINGS icon in the scroller menu. Press the PAGES button and RIGHT arrow to access the SETTINGS icon.



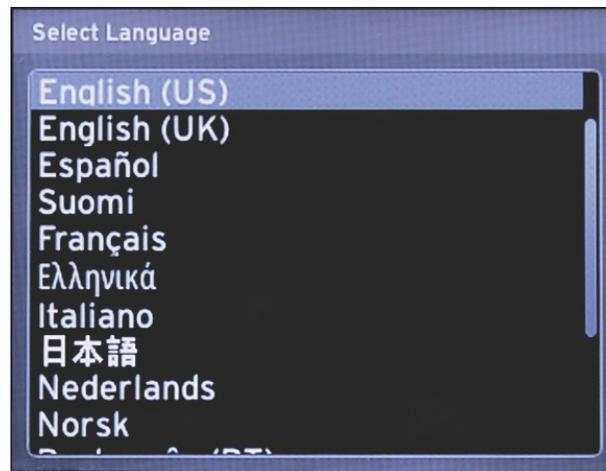
1. With the SETTINGS icon highlighted, press the ENTER button. The SETTINGS menu screen will appear.



2. Press the ENTER button to access the fly-out menu of System options and select Language.

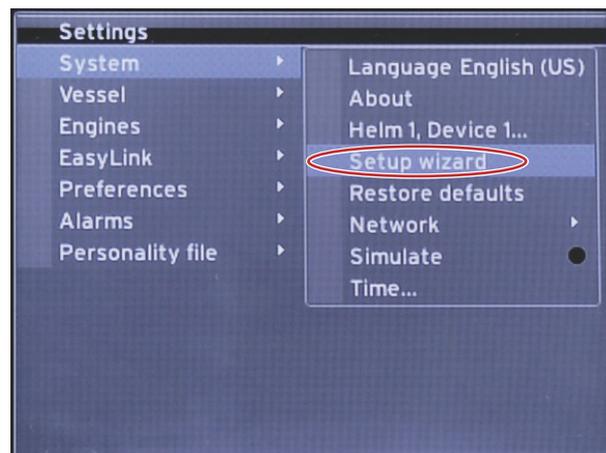


3. Select the language that you want VesselView to display. Use the LEFT and RIGHT arrow buttons to scroll through the language choices. Press the ENTER button to make the selection.



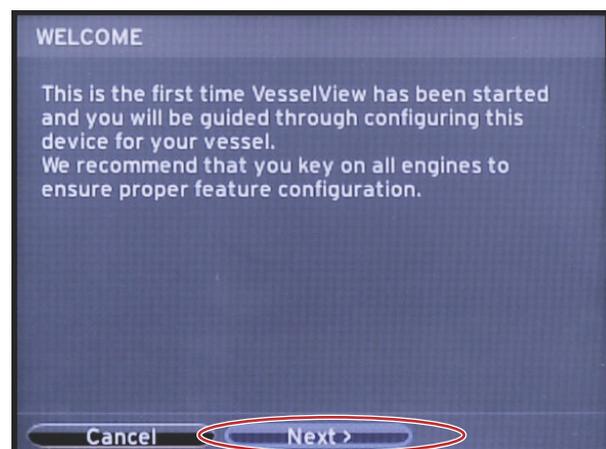
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4. The main VesselView screen will appear in the selected language. The SETTINGS icon will be highlighted. Press the ENTER button. System will be highlighted in the Settings menu. Press the ENTER button and the fly-out menu will appear. Press the RIGHT arrow button to scroll down to Setup wizard.



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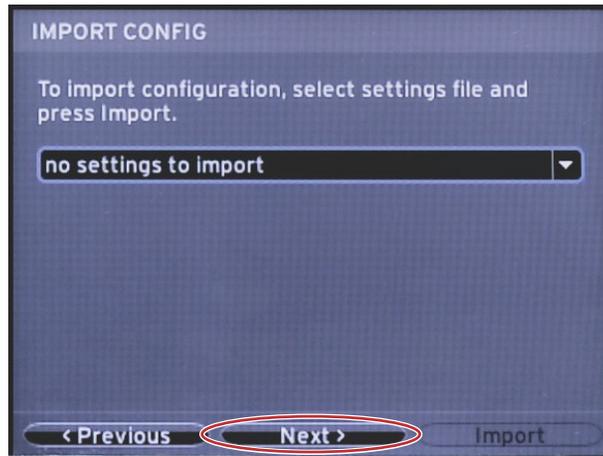
5. A text screen will appear. Press the RIGHT arrow to highlight Next and press the ENTER button.



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Import Configuration

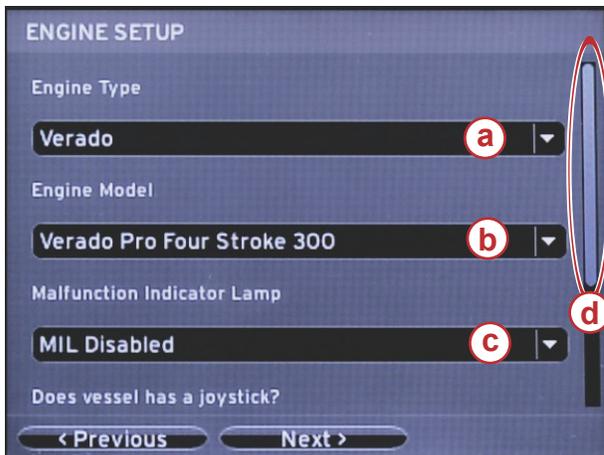
To import an existing vessel configuration, insert a micro SD card with the configuration file and select this file in the drop-down menu. If there is no import file, use the RIGHT arrow button to highlight Next and press the ENTER button.



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Engine Setup

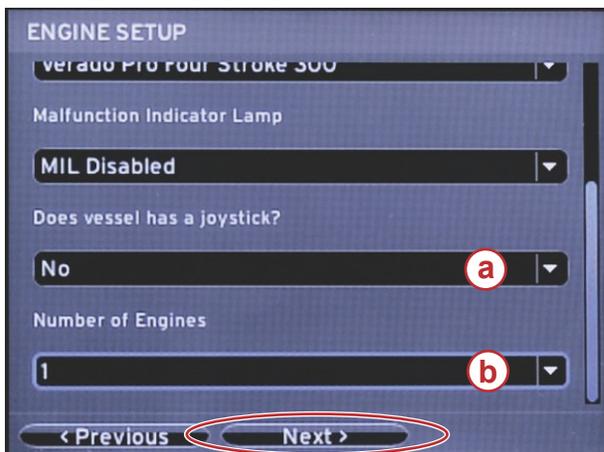
1. In the Engine Setup screen, press the RIGHT and LEFT arrow buttons to highlight the drop-down fields. Make selections based on the engine type and model.



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- a - Engine Type selection field
- b - Engine Model selection field
- c - Malfunction Indicator Lamp activity selection field
- d - Scroll bar

2. Scroll down to complete selections in the Engine Setup screen. When all selections have been made, highlight Next and press the ENTER button.

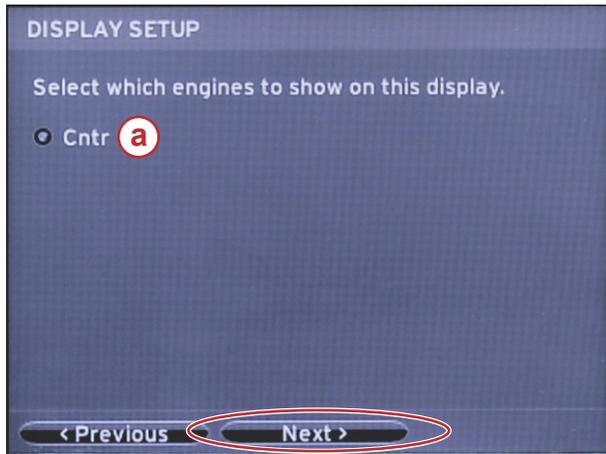


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- a - Joystick selection field
- b - Number of Engines selection field

Display Setup

Depending on the number of engines indicated in the Engine Setup screen, select the engines to be displayed by this VesselView unit. Up to two engines can be selected. Press the ENTER button to continue.

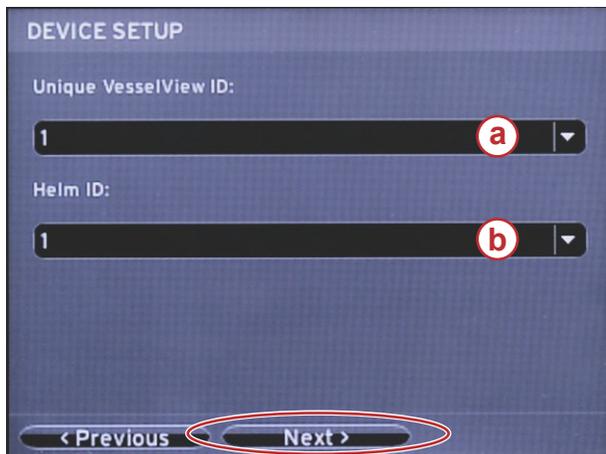


a - Engine selection field

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Device Setup

In the Device Setup screen, use the RIGHT and LEFT arrow buttons to highlight the drop-down menus. If using multiple VesselView devices, be sure to assign unique numbers to each unit to avoid data problems. Helm numbers should match the location of the individual VesselView unit. Highlight the Next field and press the ENTER button to continue.



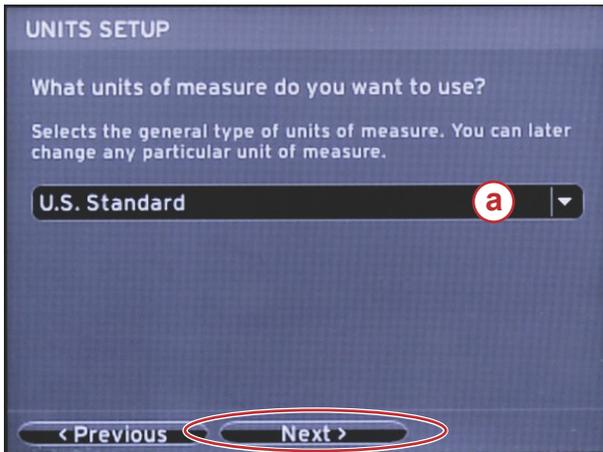
a - VesselView device number

b - Helm location number

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Units Setup

Select the units of measure that VesselView will display on-screen data: speed, distance, and volumes. Particular units of measure can be changed later. After selecting the units of measure, highlight the Next field and press the ENTER button.

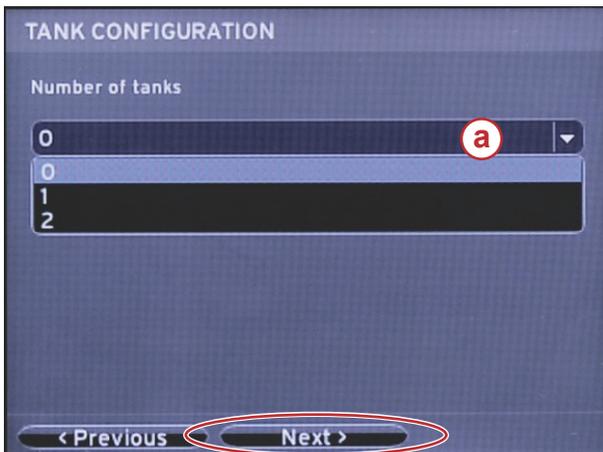


a - Units of measure drop-down menu

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Tank Configuration

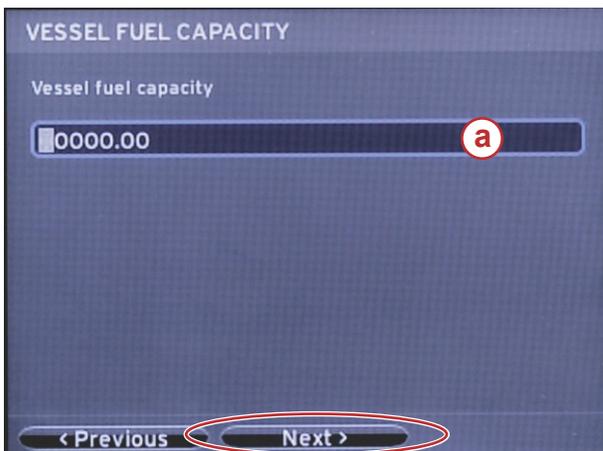
Select the number of fuel tanks on the vessel in the drop-down field. Highlight Next and press the ENTER button to continue.



a - Tank selection field

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In the Vessel Fuel Capacity screen, press the ENTER button to activate the blinking cursor in the data field. Pressing the ENTER button moves the cursor from one integer to the next. Press the LEFT or RIGHT arrow button to select the correct number. When finished entering numbers, press ENTER until no integers are highlighted. Use the RIGHT arrow button to highlight Next. Press the ENTER button to continue.

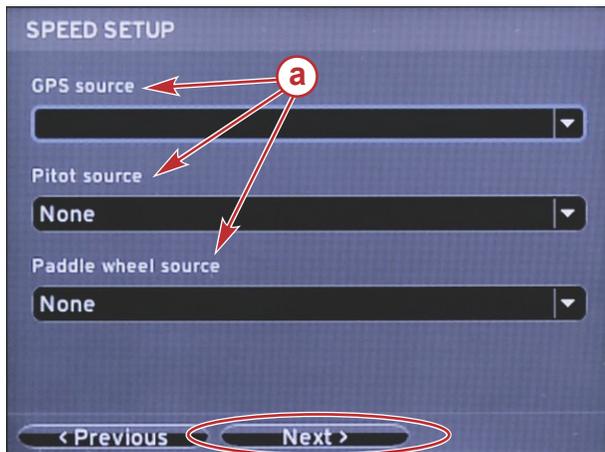


a - Tank capacity field

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Speed Setup

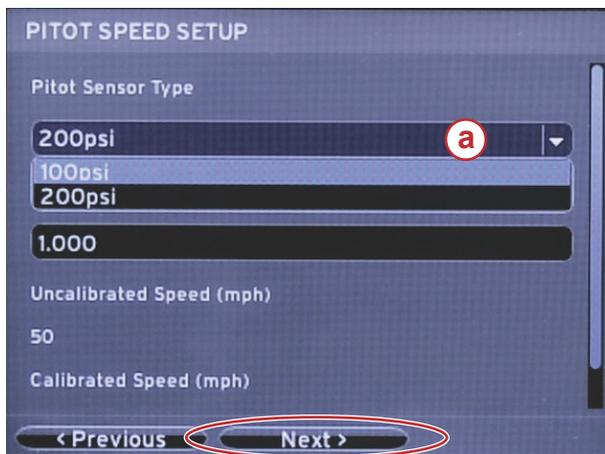
In the Speed Setup screen, there are three options for determining how VesselView will acquire speed information. If the vessel is equipped with a GPS, the drop-down menu will allow selection of available devices. If the vessel is equipped with a pitot sensor, this option will be selected. If the vessel is equipped with a paddle wheel, then an option to select will drop down. After the speed source has been selected, highlight Next and press the ENTER button to continue.



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a - Options for speed data

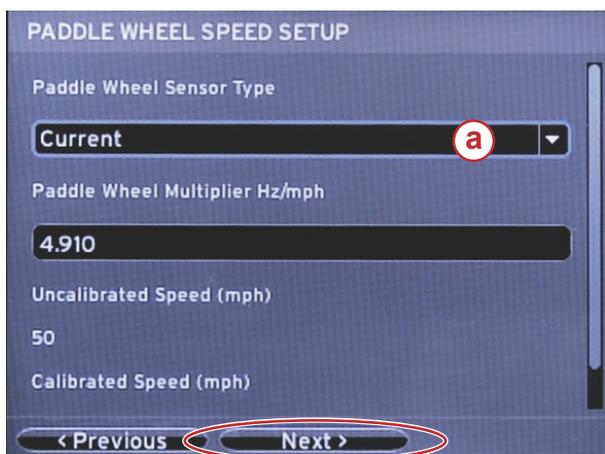
If the pitot source was selected, a Pitot Speed Setup screen will appear. Use the Pitot Sensor Type drop-down to select the appropriate option. Most engines utilize a 100psi pitot. Products from Mercury Racing will utilize the 200psi pitot. After selection, highlight Next using the RIGHT arrow button and press ENTER to continue.



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a - Pitot option menu

If the paddle wheel source was selected, the Paddle Wheel Speed Setup screen will appear. Use the Paddle Wheel Sensor Type drop-down to select the appropriate option. After selection, highlight Next using the RIGHT arrow button and press ENTER to continue.

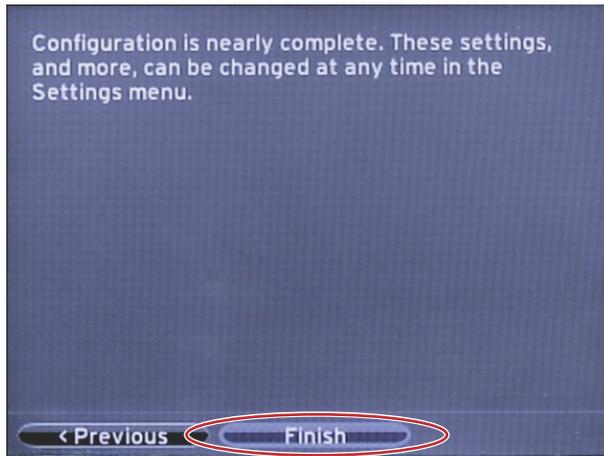


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a - Paddle Wheel Sensor Type field

Finishing Setup Wizard

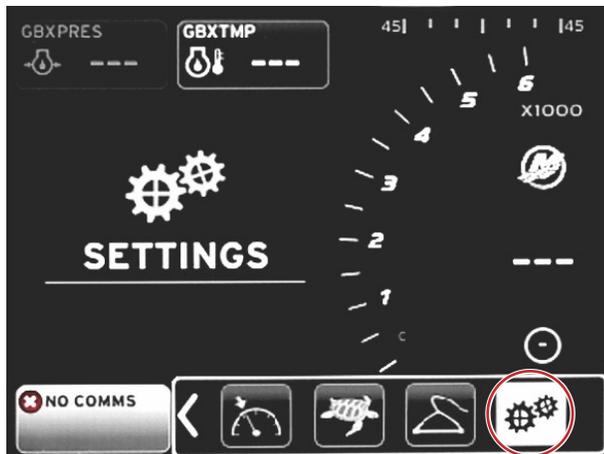
Highlighting Finish using the RIGHT arrow button and pressing ENTER will complete the Setup Wizard on the VesselView. Do not power off the unit until the Finish screen is replaced by the vessel activity screen.



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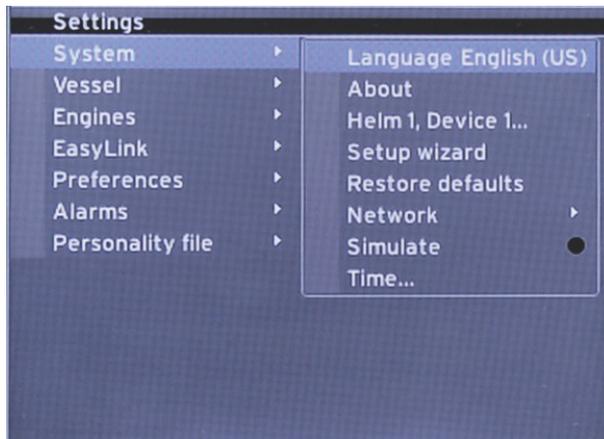
Settings Menus

Changes in any of the settings can be made at any time using the Settings menu. All drop-down and fly-out menus can be navigated by using the LEFT and RIGHT arrow buttons and the ENTER button.



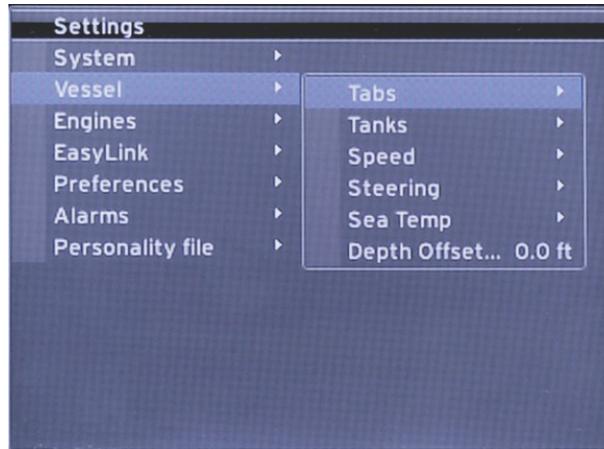
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1. System menu



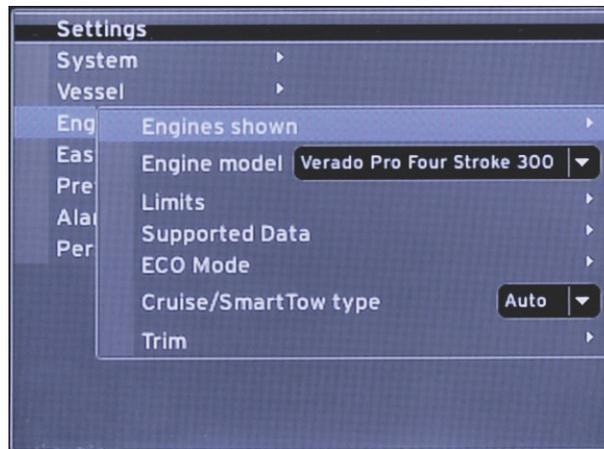
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2. Vessel menu



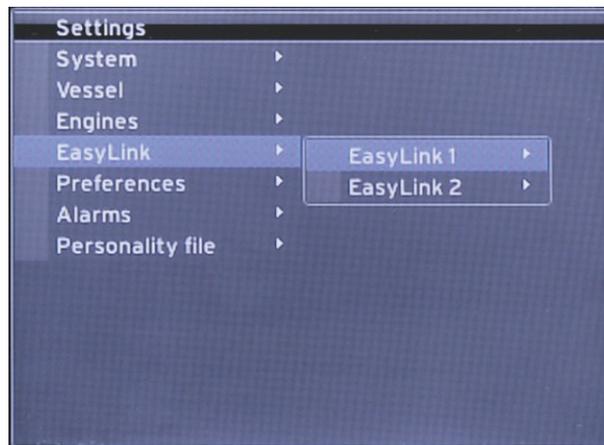
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3. Engines menu



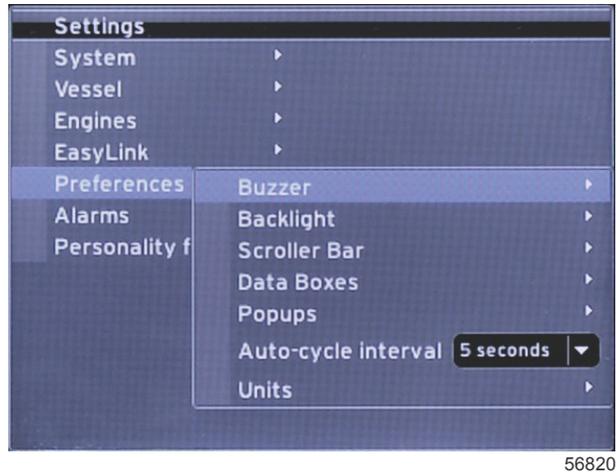
56818

4. EasyLink menu

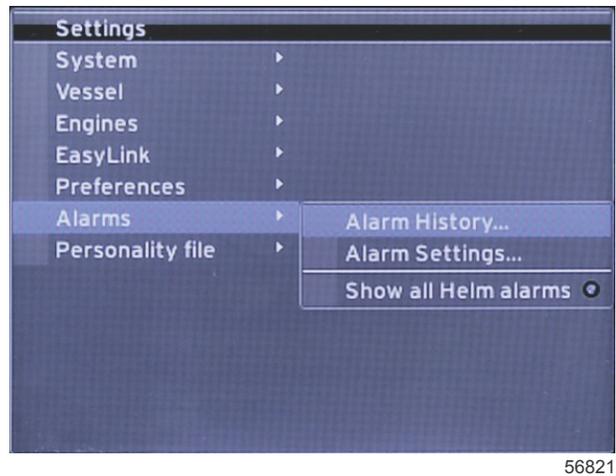


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5. Preferences menu



6. Alarms menu



7. Personality file menu

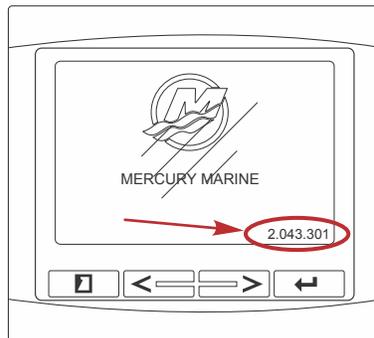


How to Update Your VesselView 4 Software

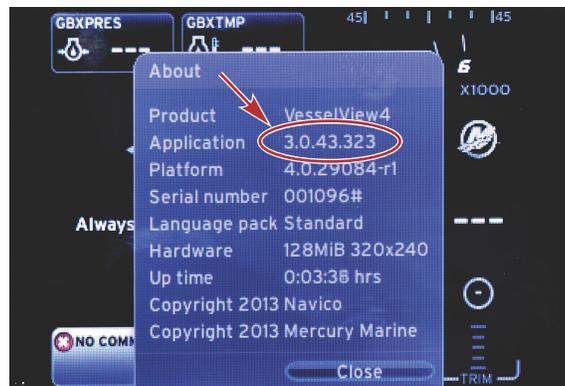
The following instructions explain how to upgrade the VesselView 4 software. Internet access is required, along with a communication port used to transfer the file to a FAT or FAT32 micro SD card.

Obtaining the Latest Software

1. The latest software for the display is available on-line for general download at Mercury's website; www.mercurymarine.com/vesselview. To determine what software version is in VesselView, power up VesselView. While the system boots up, the screen will show the software version in the lower right-hand corner. If VesselView is already powered up, select Settings>System>About to see the current operating version of VesselView software.



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2. Select the VesselView 4 product and click on DOWNLOAD UPGRADE.
3. Depending on your computer's security settings, a security warning may appear. Click Allow to continue.
4. Create a folder on your hard drive to save the file to.
5. If you are asked to SAVE or RUN, select SAVE and save to your hard drive.

NOTE: The file is typically 20–40 MB in size.

IMPORTANT: Some browsers may change the file extension. Verify that the filename and extension have not changed. The correct extension after the filename should be .upd. Do not rename the file or change the extension.

6. After the file is saved to the hard drive, copy the file to a 512 MB or higher capacity blank FAT or FAT 32 micro SD card root. The root of the drive is topmost level, and not placed into a folder.

Upgrading VesselView

Important considerations before and during the upgrade process:

- Each display must be upgraded individually, there is no automatic network feature to upgrade multiple VesselView's simultaneously.
- Do not turn off the display or disrupt the power during the upgrade process.
- Do not remove the micro SD card during the upgrade process.

1. Verify that the ignition key is off and that VesselView is not turned on.

NOTE: Some installations may have the VesselView powered up with a dedicated circuit, rather than by the ignition key-on circuit.

IMPORTANT: VesselView must be turned off for a minimum of 30 seconds before upgrading the software.

2. Insert the micro SD card into the card reader port all the way until it clicks and stays in place.
3. Turn the ignition key on and verify that VesselView is on.
4. Allow the system to boot up. The update process is automatic.

- Do not turn the ignition key off, turn VesselView off, or remove the micro SD card while the software is uploading. The upgrade process may take several minutes to complete.

**Update in progress.
Please do not remove
the SD card or power off
during this process.**

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- When the upload is finished, remove the micro SD card and the system will automatically reboot to complete the upgrade.

**Update complete.
Please remove the SD card to finish.**

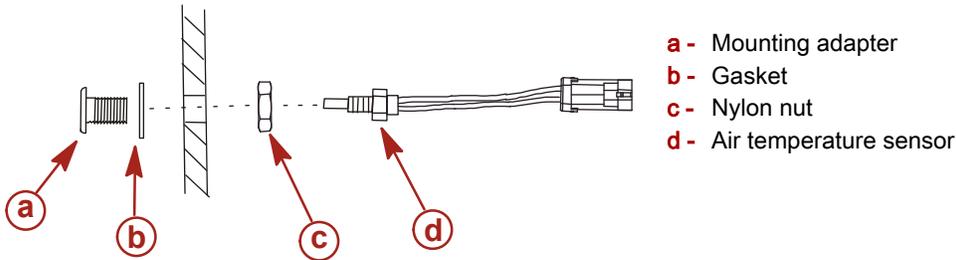
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- Verify that the software version upgraded is the correct version. Press the PAGES key and use the RIGHT arrow to scroll to the Settings menu. Use the ENTER button and arrow buttons to highlight System and open About. The current software version will be listed.

Installing the Ambient Air Temperature Sensor

NOTE: The ambient air temperature sensor installation is optional.

- Select the location for the air temperature sensor. Mount the sensor where it will be exposed to outside air and not in direct sunlight.
- Drill a 19 mm (0.75 in.) mounting hole.
- Install the mounting adapter as shown below.



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- Thread the sensor into the mounting adapter.
- Connect the temperature sensor to the connector on the VesselView harness.

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