

IN-DASH MOUNTING Installation Guide

532105-2_A

OVERVIEW

Following are instructions for the installation of this accessory. Before you start the installation, we encourage you to read these instructions carefully in order to get the full benefit from your Humminbird® accessory.

Installation Kit: This accessory includes the following supplies*:

- [2] bolts, hex head 1/4-20 x 4"
- [2] 1/4" split-ring washers
- [2] hex nuts, 1/4 - 20
- [2] screws, 1/4-20 x 3/8"
- [2] end caps
- [1] mounting template

*Product supplies and features are subject to change without notice.

Customer Service: If you find that any items are missing from your installation kit, visit our Web site at humminbird.com or call Customer Service at **1-800-633-1468**.

Supplies: In addition to the hardware supplied with your installation kit, you will need a drill and various drill bits, a cutting tool for the dashboard material, a Phillips head screwdriver, a wrench, safety glasses and a dust mask, and masking tape.

INSTALLATION

Perform the procedures in the following sections to in-dash mount the ONIX® control head.



NOTE: Your control head might not look exactly like the illustrations in this guide, but the control head will mount in the same way.

1 | Determine the Mounting Location

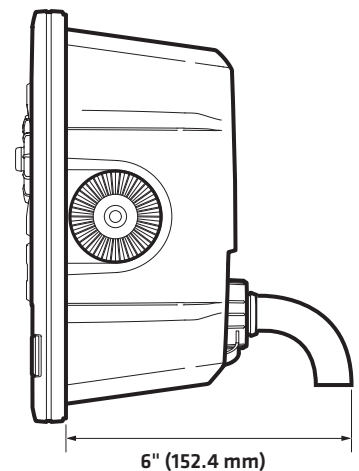
Start by locating a suitable, flat area of the dashboard for mounting. Consider the following to find the best mounting location:

- **Standard Compass Safe Distance:** The control head must be installed at least 4 ft (1.2 m) from the compass or other magnetic equipment on the vessel. Also, see your compass installation guide for details.
- **Interference:** The mounting location must provide adequate distance from electric motors or any equipment that may cause electronic interference.
- **Stability:** The mounting area should be protected from waves, shock, vibration, and water.
- **Visibility:** The operator must have a clear view of the screen during operation. Review the visibility in relation to other dashboard equipment, sun, and the operator's main steering position.
- **Cover:** See the In-dash Mounting Template to allow space for the cover.
- **Depth:** The mounting area should have a depth of 6" (152.4 mm) to allow space for the control head and cables.
- **Ventilation:** The area beneath the mounting surface should be well-ventilated.
- **Accessibility:** The location should be easily accessible for all cables to reach the ports on the back of the control head.



NOTE: If a cable is too short for your application, extension cables are available. For assistance, contact Customer Service.

Planning Depth Space for the Control Head and Cables



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2 | Cut the In-Dash Mounting Hole

To in-dash mount the ONIX control head, start by placing the hardware on the surfaces where you plan to install them.

1. Confirm you have the correct In-dash Mounting Template for your control head model.
2. Review the instructions, measurements, and cutting options on the template before you proceed with the installation.
3. Tape the template to the chosen mounting location.
4. Using the template, select the cutting method that is best for your boat:

Drill one entry hole away from the main cut line that is large enough to insert the blade of your cutting tool.

OR

Drill a corner hole away from the main cut line using a drill bit that will create a hole as close as possible to the diameter measurement shown on the template. Repeat for the other three corners as indicated on the template. Use one of the corner holes as an entry hole, or drill an additional entry hole away from the main cut line.

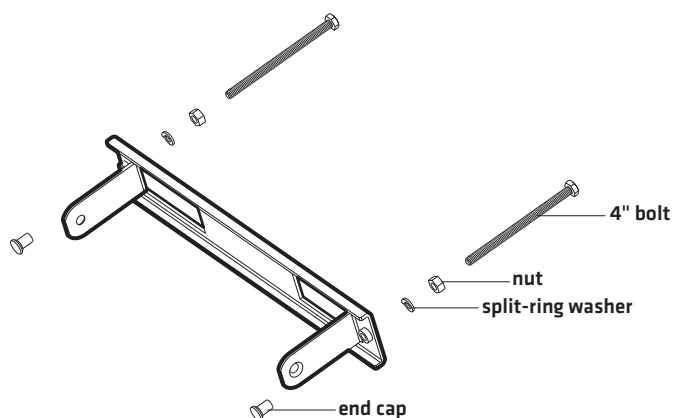
5. Carefully begin cutting toward the dotted cut line, and continue cutting to the **inside of the line** around the template.

CAUTION! The corner cut lines are critical to the installation. Carefully cut along the inside of the line.

6. **Test the Mounting Hole:** Install the control head in the mounting hole to test the fit. Make adjustments to the mounting hole as needed. Remove the control head and template when finished.
7. Thoroughly clean and deburr the mounting hole.

3 | Install the Bracket

1. Install one nut and one split-ring washer onto each 4" [101.6 mm] bolt. See the illustration below.
2. Insert each bolt into each threaded bolt hole on the bracket. Hand-tighten the bolts until they are installed approximately 1" [25.4 mm] through the bracket. You will fully tighten the bolts in a later step.



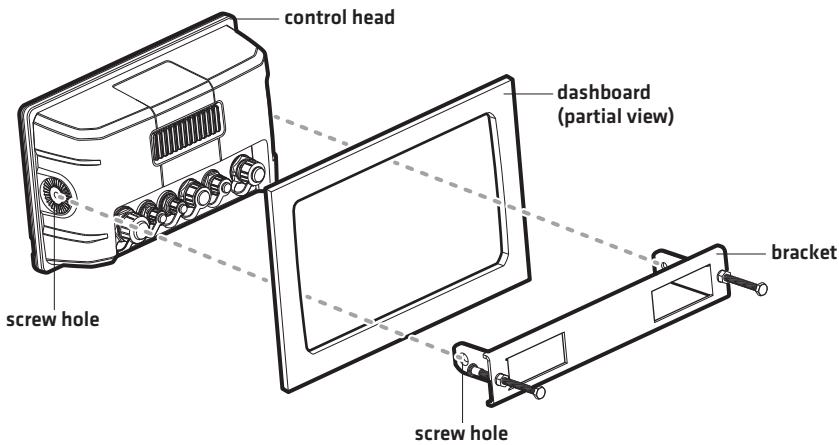
3. Install one end cap on the end of each bolt.

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4 | Install the Control Head

- Carefully lower the control head into the mounting hole.
- From under the dash, slide the bracket arms onto the control head. Line up the screw holes on the bracket arms with the screw holes on the control head (see the illustration below and the illustration *Installing the Screws*).



- Install each 3/8" (9.5 mm) screw using a Phillips head screwdriver. Make sure the bracket stays level and doesn't block the control head ports. **Hand tighten only.**
- Hand-tighten each bolt until the end cap is flush against the dash (see the illustration *Securing the Installation*). **Do NOT overtighten the bolts.**
- Using a wrench, hand tighten each nut so the split-ring washer flattens against the bracket.

⚠ CAUTION! The split-ring washers must be fully compressed for a secure installation.

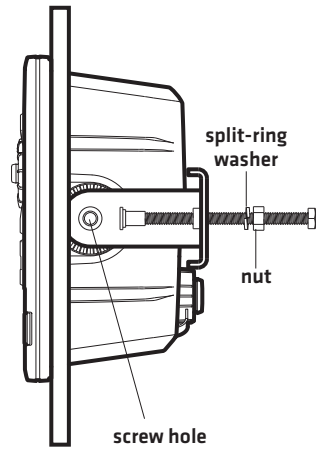
5 | Route and Connect the Cables

- See the installation guides included with each hardware component to install power, GPS, and other optional equipment (transducer, radar, AIS, autopilot, and accessories).

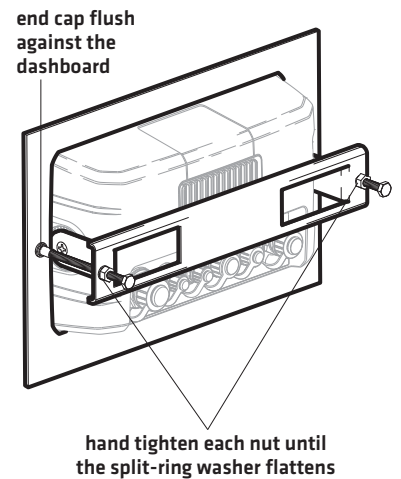
⚠ CAUTION! Do NOT mount the cables where the connectors could be submerged in water or flooded. If cables are installed in a splash-prone area, it may be helpful to apply dielectric grease to the inside of the connectors to prevent corrosion. Dielectric grease can be purchased separately from a general hardware or automotive store.

- Route the cables to the control head and insert the connectors into the proper ports on the control head. The ports are labeled and the cable connectors are keyed to prevent incorrect installation, so be careful not to force the connectors into the ports.
- Hand tighten the screw nut on each cable to secure the connection. Any unused ports should be covered with the port covers to prevent potential damage.
- Apply labels to the cables (optional, not included). Use nylon cable ties (not included) to secure the cables and create a clean assembly.
- See the Humminbird Operations Manual to configure the control head.

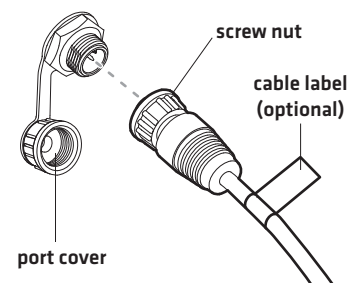
Installing the Screws



Securing the Installation



Securing the Cables (magnified view)



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CONTACT HUMMINBIRD


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Eufaula, AL 36027 USA

 **WARNING!** This device should not be used as a navigational aid to prevent collision, grounding, boat damage, or personal injury. When the boat is moving, water depth may change too quickly to allow time for you to react. Always operate the boat at very slow speeds if you suspect shallow water or submerged objects.

 **WARNING!** Disassembly and repair of this electronic unit should only be performed by authorized service personnel. Any modification of the serial number or attempt to repair the original equipment or accessories by unauthorized individuals will void the warranty.

 **WARNING!** This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

 **WARNING!** Do NOT travel at high speed with the unit cover installed. Remove the unit cover before traveling at speeds above 20 mph.

ENVIRONMENTAL COMPLIANCE STATEMENT: It is the intention of Johnson Outdoors Marine Electronics, Inc. to be a responsible corporate citizen, operating in compliance with known and applicable environmental regulations, and a good neighbor in the communities where we make or sell our products.

WEEE DIRECTIVE: EU Directive 2002/96/EC “Waste of Electrical and Electronic Equipment Directive (WEEE)” impacts most distributors, sellers, and manufacturers of consumer electronics in the European Union. The WEEE Directive requires the producer of consumer electronics to take responsibility for the management of waste from their products to achieve environmentally responsible disposal during the product life cycle.

WEEE compliance may not be required in your location for electrical & electronic equipment (EEE), nor may it be required for EEE designed and intended as fixed or temporary installation in transportation vehicles such as automobiles, aircraft, and boats. In some European Union member states, these vehicles are considered outside of the scope of the Directive, and EEE for those applications can be considered excluded from the WEEE Directive requirement.



This symbol [WEEE wheelee bin] on product indicates the product must not be disposed of with other household refuse. It must be disposed of and collected for recycling and recovery of waste EEE. Johnson Outdoors Marine Electronics, Inc. will mark all EEE products in accordance with the WEEE Directive. It is our goal to comply in the collection, treatment, recovery, and environmentally sound disposal of those products; however, these requirements do vary within European Union member states. For more information about where you should dispose of your waste equipment for recycling and recovery and/or your European Union member state requirements, please contact your dealer or distributor from which your product was purchased.

ROHS STATEMENT: Product designed and intended as a fixed installation or part of a system in a vessel may be considered beyond the scope of Directive 2002/95/EC of the European Parliament and of the Council of 27 January 2003 on the restriction of the use of certain hazardous substances in electrical and electronic equipment.