

# INSTALLATION SUPPLEMENT

## Pole Mounting Kit

### for Heading Sensor

07/24/18

17-561-01 rev. 02

**WARNING:** These instructions are a supplement to your Owner's guide and Installation Instructions only. Please read your Owner's guide and Installation Instructions before proceeding to reduce the risk of poor product performance, property damage, personal injury, and/or death.

**WARNING:** Always wear safety glasses, a dust mask, and ear protection when installing.

**CAUTION:** Do not mount on a pole longer than 0.6m (2'). The higher the sensor is mounted, the more force is applied to it. The mounting hardware may break, causing the sensor to fall off.

**CAUTION: Vehicles/boats traveling above 30MPH—**Do not use the plastic, Cable Side-exit Adapter (part D) supplied. Purchase a stainless steel part. At high speeds, the plastic adapter may break, causing the sensor to fall off.

**CAUTION:** The word 'FORWARD' on the sensor must be facing forward and parallel to the centerline of the boat for accurate compass readings.

**CAUTION:** If you use a thread locker, use Teflon pipe thread tape. Do not use a liquid thread locker, because it may weaken the plastic, causing it to swell and crack.

**IMPORTANT:** Plan the cable route between the sensor and the display and/or network before beginning the installation.

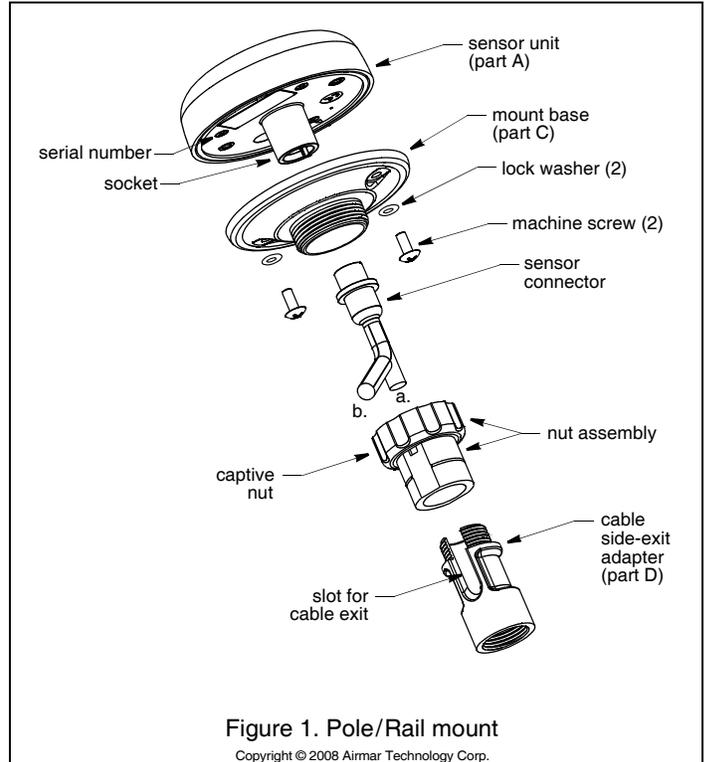


Figure 1. Pole/Rail mount

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## Installing

The nut assembly supplied has standard marine 1"-14 threads that can be screwed to a standard marine antenna mount, extension pole, or rail-mount bracket. Before beginning the installation, plan for securing the pole/rail bracket to the selected mounting surface and purchase all the necessary hardware. It may be helpful to fasten the pole/rail bracket in place before proceeding.

1. Remove the label from the sensor unit's socket (Figure 1). Fasten the mount base (part C) to the sensor unit (part A) with the two machine screws and lock washers supplied. The torque for the screws is 1.35Nm.
2. Decide if you want the cable to exit through the center or along the side of the pole/rail bracket. Slide the nut assembly onto the end of the cable at the sensor connector. *Do not connect the sensor at this time.*
  - a. **Center exit**—Pass the *instrument* connector end of the cable through the center of the pole. *Be sure to leave several inches of cable extending beyond the nut assembly.*
  - b. **Side exit**—Place the cable side-exit adaptor (part D) over the cable. *Being sure the cable is passing through the slot in*

*the side*, screw the nut assembly onto the adaptor. **Hand tighten** only. Do not over tighten.

**NOTE:** Use the adaptor supplied as it has smooth edges that will not chafe the cable. Do not use a purchased part.

3. Screw the extension pole/rail bracket onto the nut assembly / side-exit adaptor. **Hand tighten** only. Do not over tighten.  
**NOTE:** If you use a thread locker, use teflon pipe-thread tape. Liquid thread locker may weaken the plastic, causing it to swell and crack.
4. Remove the protective cap from the sensor connector on the cable. (Save the cap to protect the connector when the receiver is removed.) Plug the cable firmly into the sensor.
5. With the alignment tab on the sensor facing forward and parallel to the centerline of the boat, slide the captive nut upward and screw it onto the mount base. **Hand tighten** only. Do not over tighten.

## Purchase Parts

Obtain parts from your instrument manufacturer or marine dealer.

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