



**HA0304 Offset Canopy Leg Kit**



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## WARNING

**DO NOT INSTALL OR OPERATE A LIFT ACCESSORY WITHOUT STUDYING THIS MANUAL AND INFORMATION INCLUDED WITH THE LIFT. FAILURE TO DO SO CAN LEAD TO IMPROPER INSTALLATION RESULTING IN SERIOUS PERSONAL INJURY AND/OR PRODUCT DAMAGE. IF YOU HAVE FURTHER QUESTIONS AFTER REVIEWING THIS INFORMATION, CONTACT YOUR SHORESTATION SALES REPRESENTATIVE.**

## Safety Definitions

Safety messages are presented throughout this document and labels affixed to the product. The messages alert you to potential hazards to you and/or property. The signal words DANGER, WARNING, and CAUTION are preceded by an alert symbol and communicate the severity of potential hazard. The severity of each type of message is defined as follows:

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.

## Safety Instructions

Working with electrical equipment and installations over the water present many potential hazards to the installer. Every installation presents unique conditions that the installer should evaluate before installing or servicing the equipment. The following instructions must be followed, but may not encompass all potential hazards:



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# **WARNING**

Do not allow children to operate or play on the equipment.

Do not install if there are any signs of damage.

Never install or work on the equipment without first verifying that the A/C power supply (if present) is protected by a functioning Ground Fault Circuit Interrupt (GFCI) in accordance with National Electric Code section 210.8 and any additional local code requirements.

Review all operating instructions with the user(s) before installation.

Disconnect all A/C power from the dock before installing or working on the equipment.

Do not exceed the recommended capacity of the equipment.

Do not modify the equipment unless you have received direct written approval from the manufacturer (ShoreStation).

Remove any metallic objects from your person before working with DC or AC electrical components.

Always wear proper personal protective equipment such as safety glasses, gloves, hardhats, and clothing.

Installation may require entering the water. Never enter the water without a proper personal floatation device. Disconnect any power to the lift and dock before entering the water.

Never work alone and observe safe lifting practices such as team lifting and proper lifting posture.

** WARNING**

**NEVER WORK ALONE.**

**ALWAYS WEAR  
PERSONAL FLOATATION  
DEVICES WHEN WORKING  
IN AND OVER WATER.**

**ALWAYS WEAR  
PERSONAL PROTECTIVE  
DEVICES WHEN  
ASSEMBLING AND  
INSTALLING EQUIPMENT.**

**OBSERVE ALL SAFETY  
REQUIREMENTS FOR ALL  
EQUIPMENT USED FOR  
INSTALLATION.**



# Preparation

## **Tools Required**

Due to the variation in the design of boat slips, it is impossible to address all requirements. Be sure to survey the installation site and note any additional requirements.

Common tools required for installation include:

- 3/8 through 7/8 SAE wrenches
- 1/4 through 7/8 SAE ratcheting sockets and drives
- Cordless drill
- Banding cutters
- GFCI outlet tester
- Personal protective equipment (safety glasses, hard hats, gloves, etc.)

Additional equipment may be required based on your installation site requirements.

## Assembly Instructions

***Gather and double check your parts and fasteners. You should have the following:***

73632 - CANOPY LEG BUNDLE OFFSET

4 - CANOPY LEG TUBE (PART # - 73628)

74109 - HARDWARE BOX OFFSET CANOPY

4 - CANOPY LEG MOUNTING BRACKET WELDMENT

1 - HDWE FASTENER BAG (BAG # - 74111)

8 - WASHER USS FLAT 3/8 SS

8 - HEX LOCKNUT 3/8-16 BRASS/NYLON

8 - HH 1/2-13 X 4 1/2 CS STAINLESS

8 - HEX LOCKNUT 1/2-13 BRASS/NYLON

4 - ROUND U-BOLT 3/8-16 X 3 7/16 X 3 1/2 SS



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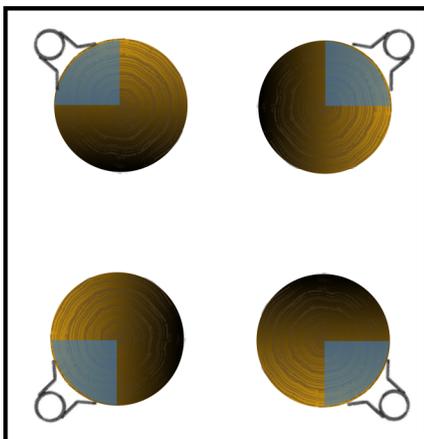
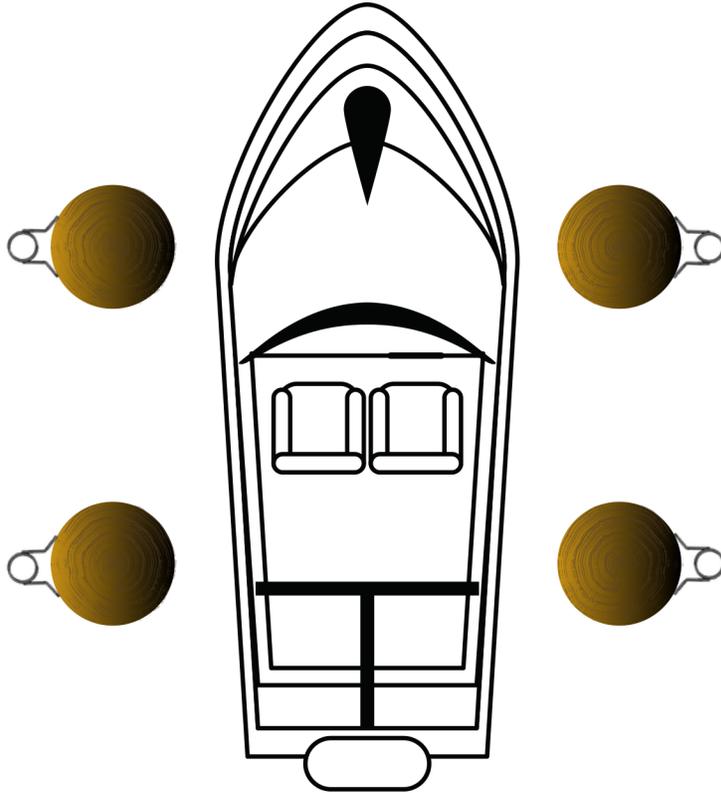
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1. Attach brackets to pilings. NOTE: Fasteners used to attach brackets to pilings are NOT included with this kit, as applications vary. Please use fasteners most appropriate for your installation. Two holes have been provided in each corner of the bracket to provide enough vertical offset to allow for a "thru-bolt" approach, which is the attachment method ShoreStation recommends. Brackets can be placed at any height on the piling.

2. Brackets should be positioned as shown below.



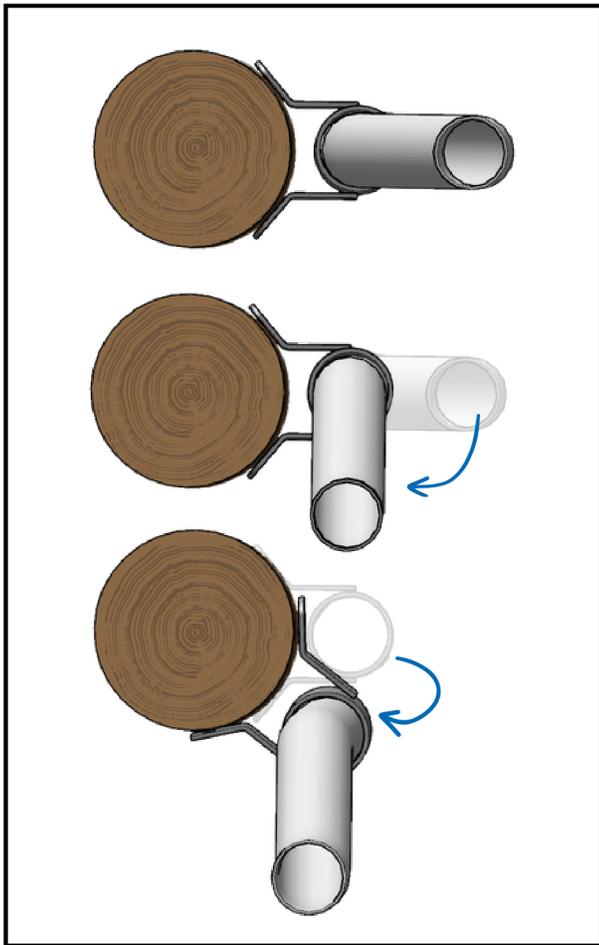
***ShoreStation recommends that the saddle of the brackets remain in the shaded portion indicated here.***



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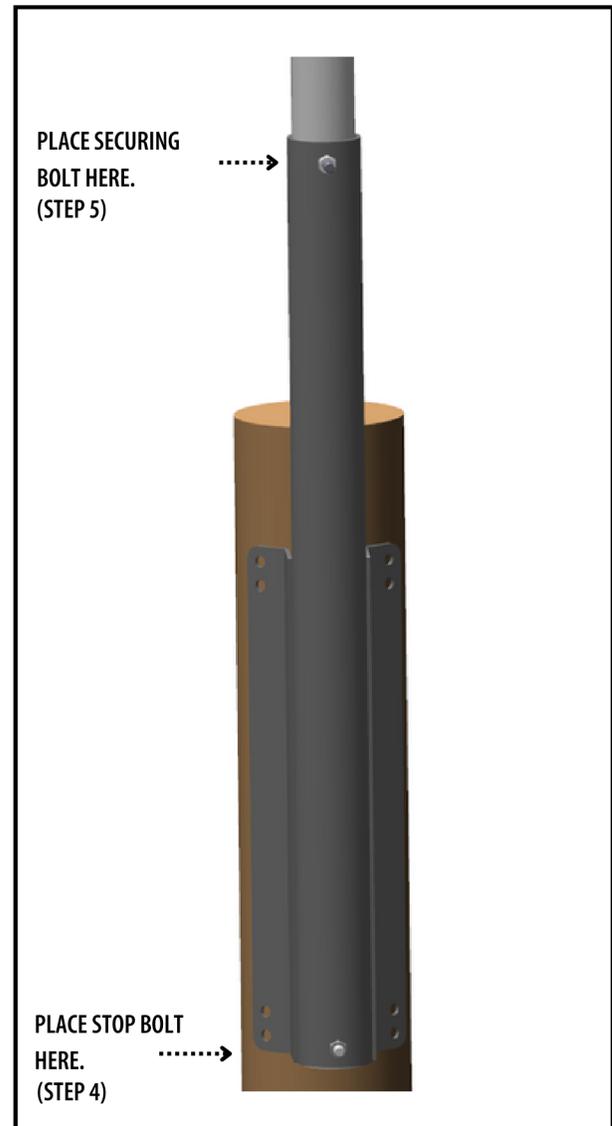
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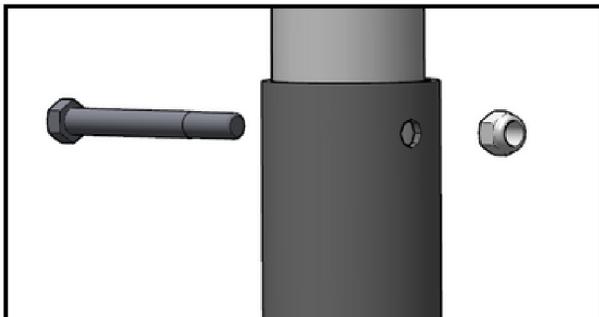


3. When installing the canopy posts into the post brackets, be sure to take advantage of the offset bend in the legs to match the port-to-starboard dimension of the canopy being attached.  
 NOTE: The bow-to-stern dimension between the legs is not critical since the attaching bracket to a ShoreStation Revolution Canopy frame is adjustable in the bow/stern direction.

4. Place a bolt and nut through the bottom hole of the bracket as a stop in order to adjust legs easily.



5. Secure the leg in place once position is determined using the top hole. You will need to drill a hole through the leg.



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