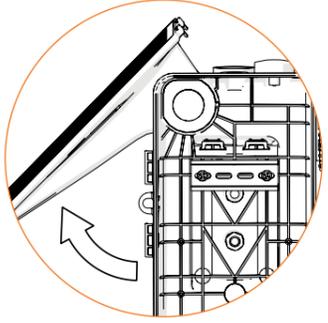


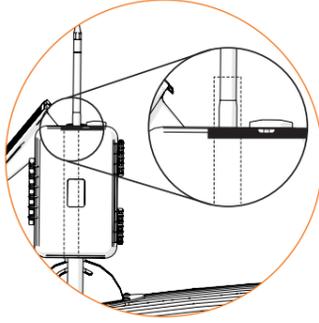
# Observant C3 Tank Monitoring Kit Installation Guide

Tighten solar panel thumb screw.

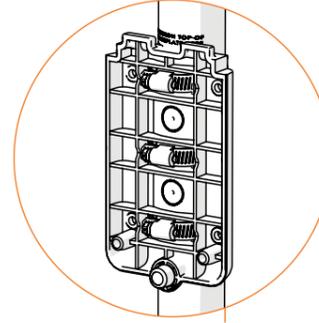


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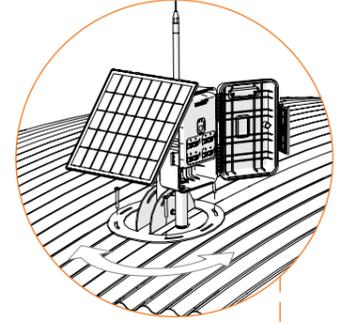
Orient the pole vertically.



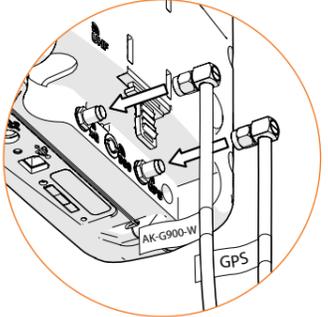
Hose clamp assembly.



Orient the solar panel.

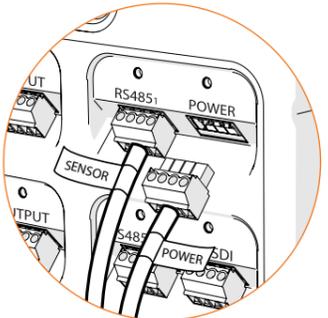


Back of C3.



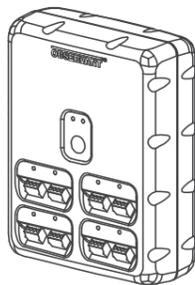
7

Front of C3.



9

8



12

4

3

1

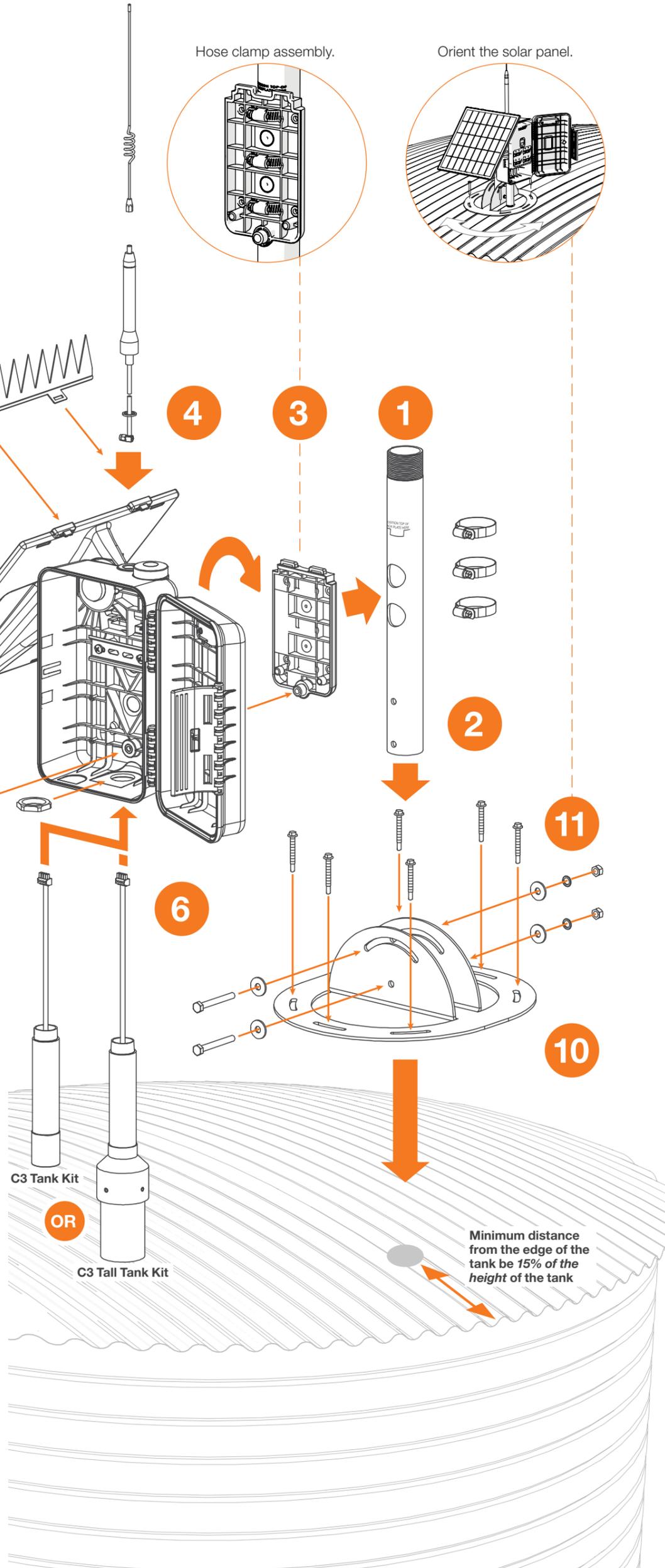
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10

1. Unscrew band from each hose clamp. Position C3 mounting plate so its top aligns with mark on post's label. Thread each band through a plate slot, around post, back through its mating slot, into clamp, and tighten. Note: hose clamp screws will be concealed once enclosure is installed.
2. Assemble mounting post to tank bracket with supplied 5/16" bolt, washer, lock washer, and nut set. Final adjustment of the angle of the mounting pole can be made once mounted on the tank.
3. Attach the C3 enclosure to the mount using the two tabs at the top as a guide. Secure with the supplied thumb screw through from the inside of the enclosure.
4. Assemble the antenna to the C3 enclosure. Ensure the o-ring seal is on the outside of the enclosure and both the whip section and nut are securely fastened.
5. Extend solar panel outward to desired angle. Secure this position with the large internal thumb bolt.
6. Attach the sensor assembly supplied with your kit. Note there are two different types, a larger unit for tall tank and a smaller one for shorter tanks; either are attached to the C3 enclosure via the conduit port in the bottom using the same large, M32 nut.
7. Remove the C3 module from the packaging and connect the two antenna cables. Note that one is for GPS location, and the other is for radio communications.
8. Mount the C3 module onto the rail inside the enclosure. You may need to pull down the release tab at the back of the C3 module in order for it to seat properly.
9. Connect the two front panel cables. The cable coming from the solar panel should be connected to the power port. The cable coming from the sensor assembly should be connected to RS485' port.
10. Drill or cut the sensor hole in the top of the tank at the desired mounting position, noting that the hole needs to be a minimum distance of 15% of the total height of the tank away from the edge. The regular Tank Kit requires a hole of 2" (50mm) in diameter, the Tall Tank Kit requires a larger hole of 3" (75mm) in diameter.
11. Attach the C3 mount and enclosure assembly to the tank using the supplied self-drilling screws. Note the orientation of the bracket should be such that the angle of the pole can be adjusted to vertical, and the C3 enclosure solar panel can face true south (in the northern hemisphere) or true north (in the southern hemisphere).
12. Attach the Bird Deterrent strip to the top of the solar panel by sliding it into the tabs. It should click securely into place.



Log on to **Observant Global™** to begin monitoring your water levels.

**GO**



Follow the step-by-step instructions found in this installation guide to set up your hardware.

**INSTALL**



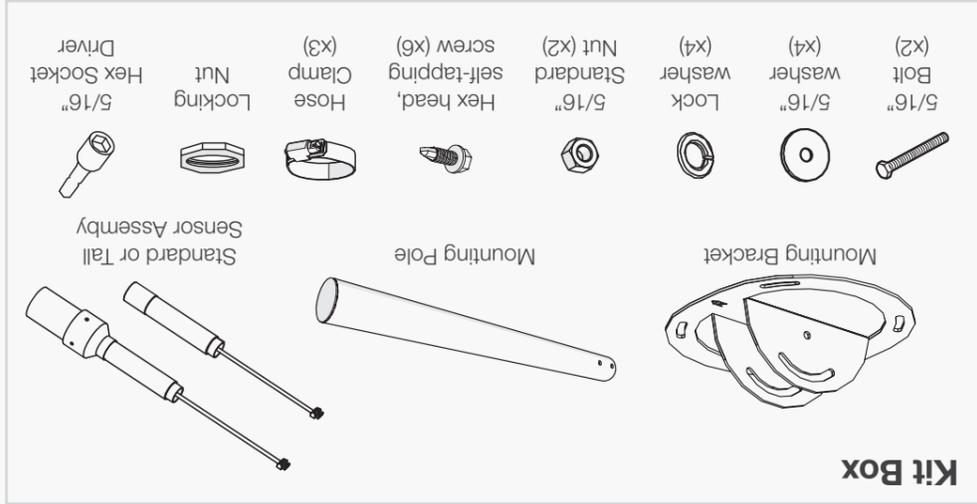
Before going onsite, activate your account and equipment at [observant.net/signup](http://observant.net/signup).

**ACTIVATE**



**OBSERVANT™**

**KIT CONTENTS**



**IMPORTANT INFORMATION**

The Observant Tank Monitoring Kit requires installation on the roof of the tank. To ensure you have a care-free installation, please follow the step-by-step instructions in this document. You will require the following tools:

- Battery-powered drill.
- Two wrenches (spanners) suitable for 5/16" (M8) hardware.
- Tape Measure (required for height measurements).
- Level.
- 3/32" slotted screwdriver.
- Hole saw for drill: 2" (50 mm) in diameter for standard Tank Kit, 3" (75 mm) in diameter for the Tall Tank Kit.

Record the following

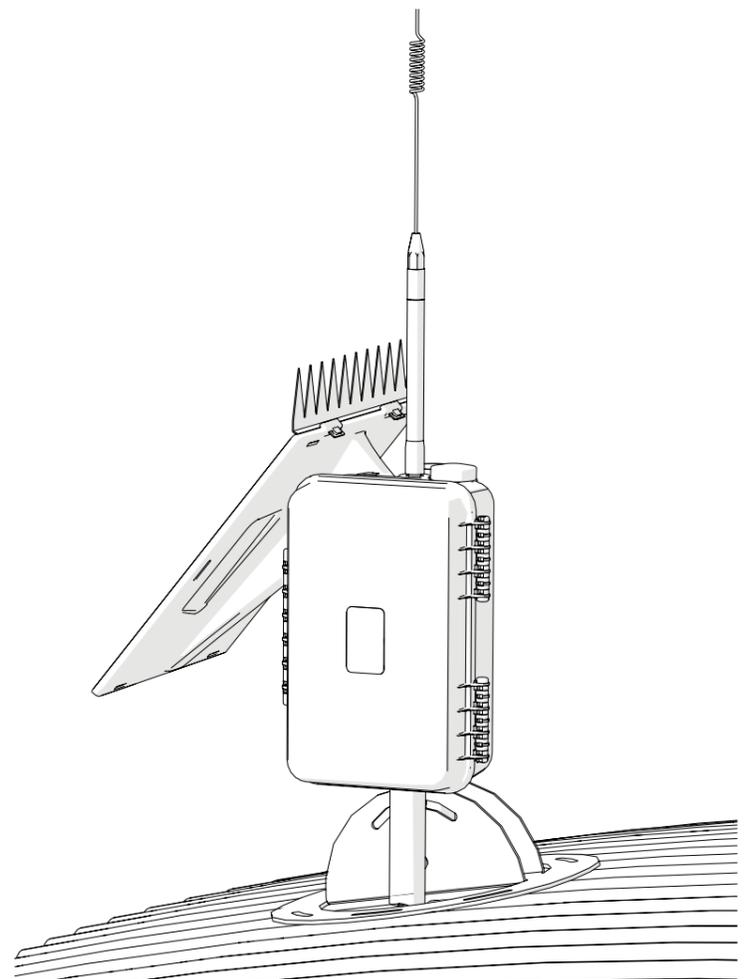
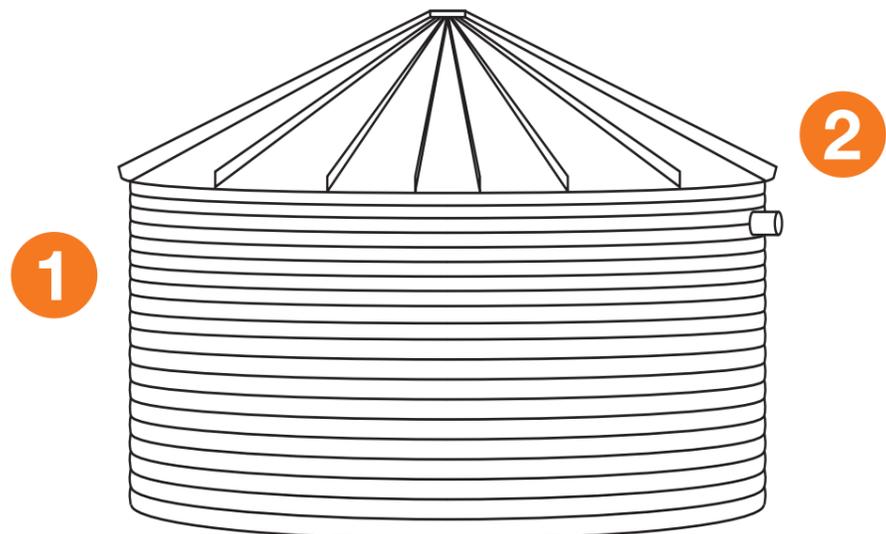
C3 Serial Number

1. Tank height

Measure from bottom of sensor to floor of tank

2. Head clearance

Measure from bottom of sensor to the overflow point



For further assistance, visit [helpdesk.observant.net](http://helpdesk.observant.net)

November 2015 OBS-USR-M007-R3



Observant C3™ Tank Monitoring Kit Installation Guide