

# INSTALLING THE MOUNT ONTO A WOOD DECK POST

## PARTS NEEDED

- Lag bolts
  - 3-inch x 3/8-inch, Qty: 2
  - 2-inch x 3/8-inch, Qty: 6
- Washers, 3/8-inch, Qty: 8
- Silicone sealant

## TOOLS NEEDED

- Carpenter's level
- Pencil or chalk
- Tape measure
- Wrench, adjustable
- Electric drill, 3/8-inch
- Drill bit, 3/16-inch
- Torque wrench (up to 18 ft-lbs)

## INSTALLATION PROCEDURE

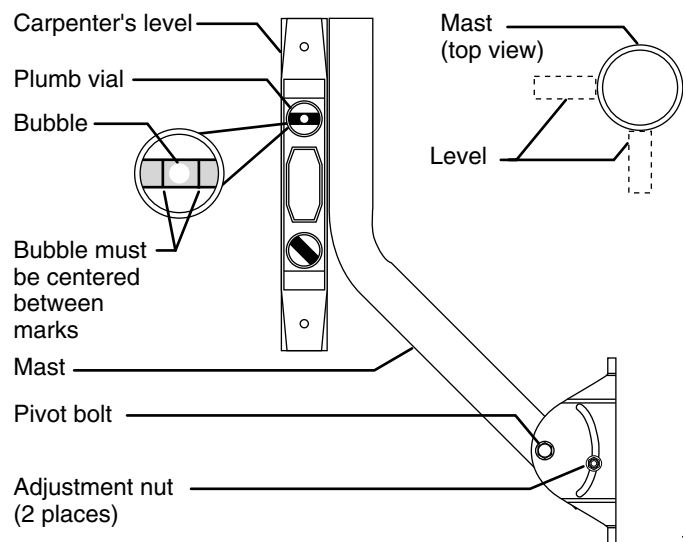
### DANGER



- If the antenna contacts electric power lines, you will be killed or seriously injured.
- Before starting the installation procedure, make sure there are no power lines nearby.

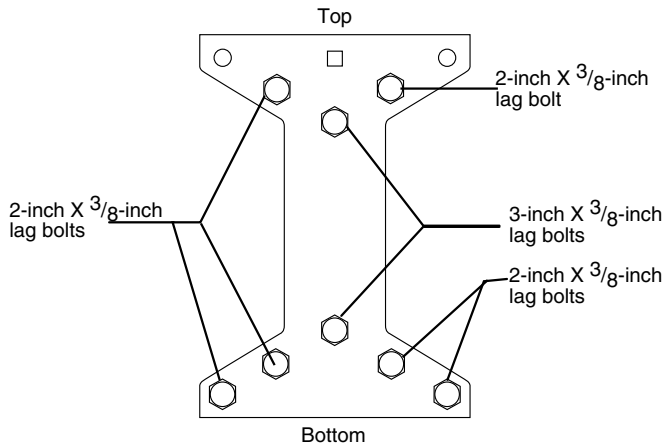
The antenna can be installed on a wood deck post. The post must be at least 6 inches by 6 inches, and be no more than 8 feet tall. It must be adequately attached at top and bottom. You will probably need someone to help you.

1. Locate a 6-inch by 6-inch post on which to center the base plate. The post must not be more than 8 feet tall. It must be adequately attached at top and bottom.
2. Place the base plate of the mast so the center holes align with the centerline of the post. While holding the base plate in place, use a pencil to mark the location of the top center hole. This mark indicates where you will drill.
3. Have a helper hold the antenna mast and base plate in place. Using a carpenter's level, plumb the antenna mast in at least two different locations on the side of the mast, as shown at right. These two measurements should be at right angles to each other. If the mast is plumb (aligned vertically with the bubble level), go to step 5. Otherwise, loosen the adjustment nuts (see illustration at right) and go to step 4.
4. Swing the mast until it is plumb with the level. If you are still unable to align the mast with the level, try using wooden shims. If shims do not correct the problem, you will need to find another site to install the antenna.



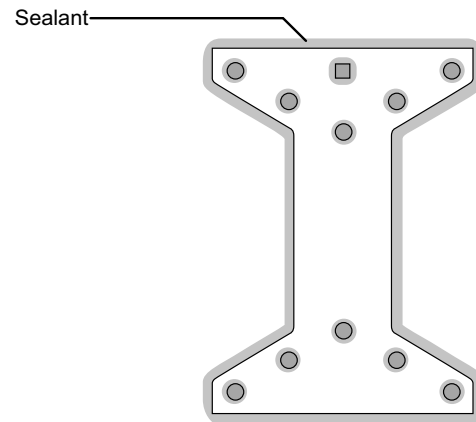
## INSTALLING THE MOUNT ONTO A WOOD DECK POST (CONTINUED)

- Set the mast aside and drill a 3/16-inch x 3-inch pilot hole where you made the pencil mark.
- Screw a 3-inch x 3/8-inch lag bolt into the mounting surface through the center hole of the base plate (see next illustration). You may need to swing the mast out of the way temporarily. Tighten the bolt just enough to support the base plate and mast, but leave it loose enough to enable you to adjust the base plate.



- Verify that the mast is still plumb and adjust if necessary.
- Mark the locations of the base plate's outside holes and remaining center hole on the post.
- Unscrew the lag bolt and remove the base plate from the post.
- Drill a 3/16-inch x 3-inch pilot hole for the lower center hole and six 3/16-inch x 2-inch pilot holes for the outside holes.

- While holding the base plate in place, apply silicone sealant onto the pilot holes and around the bottom edge of the base where it contacts the post (see illustration below). Doing so will keep water from seeping into the wood.



- Install six 2-inch x 3/8-inch lag bolts and six 3/8-inch washers into the outside holes on the base plate, as shown in the illustration at left.
- Install two 3-inch x 3/8-inch lag bolts and two 3/8-inch washers into the center holes on the base plate.
- Tighten all bolts.
- Apply additional silicone sealant to cover the tops of the lag bolts.
- Re-plumb the mast and tighten the two adjustment nuts with a torque wrench to 15 ft.-lbs.

Continue with section **"Installing the Cap on the Satellite Antenna Dish"** on page 14.