



# **INSTALLATION MANUAL**

## **Parts List**

- (2) ¼-20 x 1” Hex Cap Screw
- (2) ¼-20x 1 ¼ Fender Washer
- (2) ¼” Hex Nut
- (2) ¼” Med. Split Lock Washer
- (2) ¼” Med Washer
- (1) 8-32 x 3/16 Slotted Set Screw
- (1) Roof Drain Marker Bracket
- (1) Roof Drain Marker Holder
- (1) 4 ft 5/16” Fiberglass Marker

## **Tools Required**

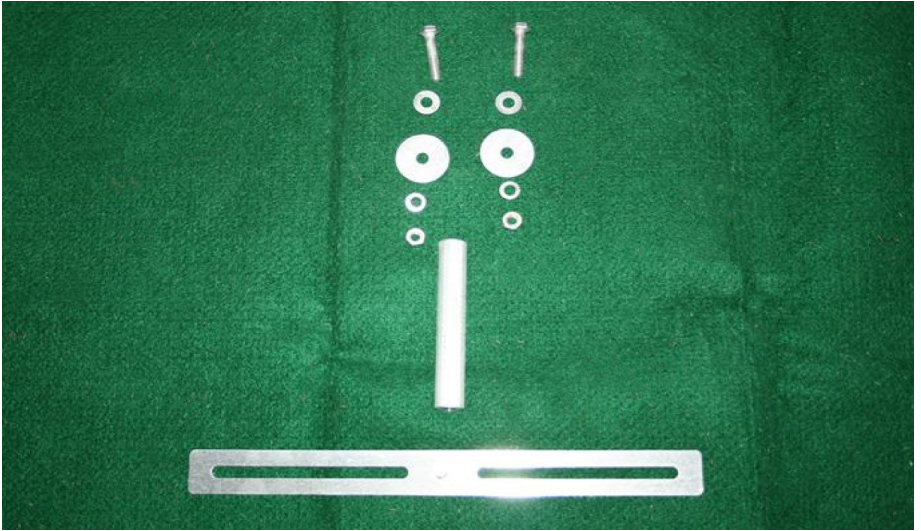
- Pliers
- Small flat head screw driver
- 7/16 Nut driver
- 7/16 deep socket nut driver  
(optional, may use pliers to hold nut while tightening)

## **Helpful Tips**

- Use a protective mat (Gardener’s mat) to work on, away from the drain, so to avoid damage to the roof and prevent the loss of any parts that may fall down the drain while the cover is off.
- Use a 5 gallon bucket to carry your tools and parts onto the roof.
- Bring a dust pan, dust broom and trash bag in case drain covers need debris removed prior to install.
- Knee pads help, especially on ballast roofs.
- A large flat head screw driver as sometimes the covers can be stuck and you may need to use the flat head to help get the drain cover off.
- Use a 5 gallon bucket to carry your tools and parts onto the roof.
- 25 ft rope to pull up the bucket to the roof in some situations.
- A plastic carrying case with separate compartments so to carry the bolts, nuts and washers in, this will make it easier accessing the hardware during the installation.

While it is not required, we do strongly recommend assembling the marker into the marker holder prior to gaining access on the roof. This will save you time spent on the roof as well as lessen your chances of losing your set screw on the roof.

1. Recommend using a protective mat on roof to protect the roof from any damage.
2. Place the mat away from drain to avoid losing any hardware down the drain.
3. Remove any debris from around roof drain cover and dispose of.



4. Remove roof drain cover from housing and place on mat.
5. Clean any debris from housing and drain cover and dispose of.



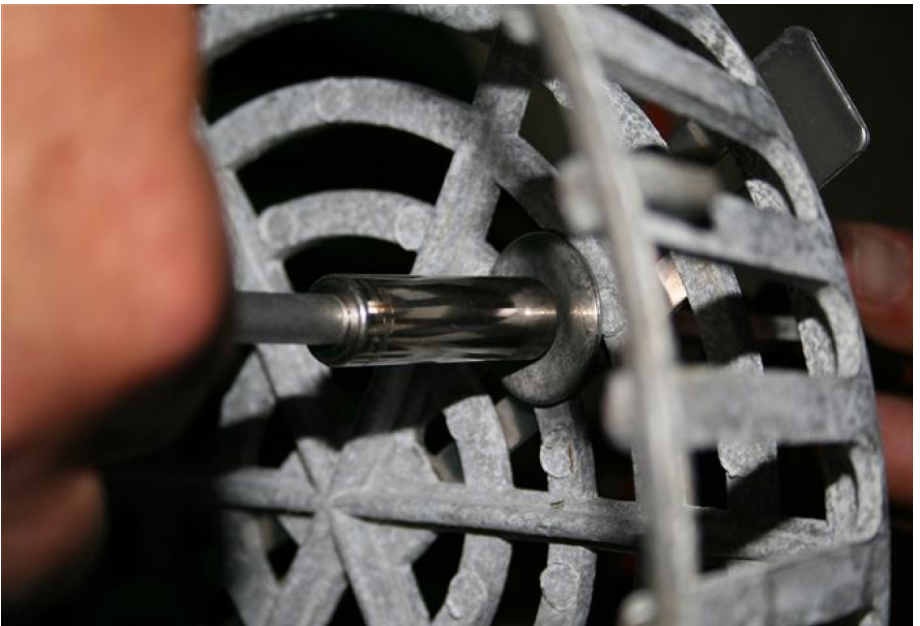
6. Place roof drain marker bracket on top of roof drain cover and center it on cover.



7. Place washer on bolt and insert bolt and washer assembly through the slot in the bracket then through the drain cover. While holding the bolt and bracket in place install fender washer, lock washer and nut onto bolt and hand tighten.



8. Repeat Step 7 for second bolt assembly on other side of bracket.
9. Place drain cover facing up so you are looking down at the drain bracket and make sure bracket is center on drain. Turn drain cover on side and tighten bolts with nut driver.

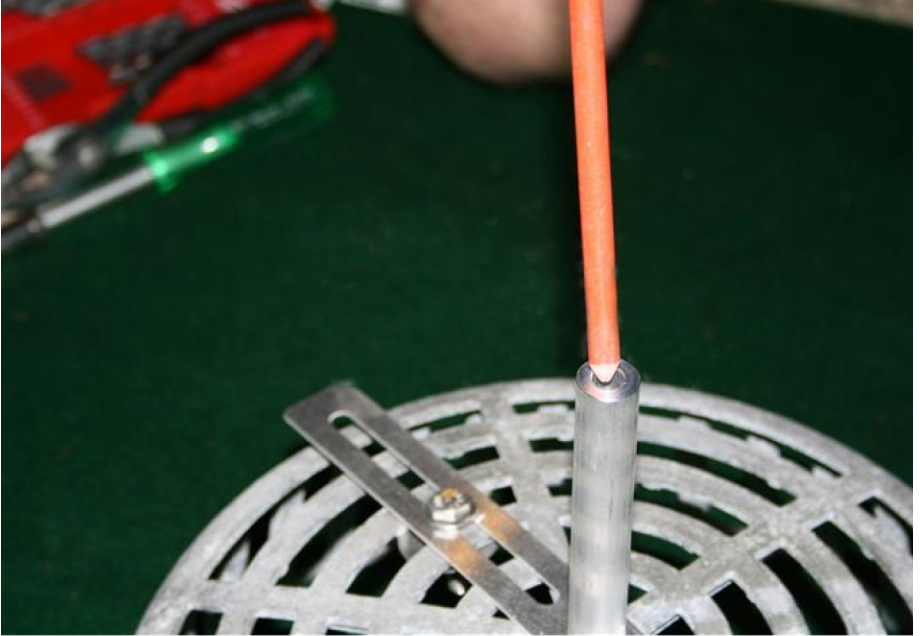


While it is not required, we do strongly recommend assembling the marker into the marker holder prior to gaining access on the roof. This will save you time spent on the roof as well as lessen your chances of losing your set screw which is small in size.

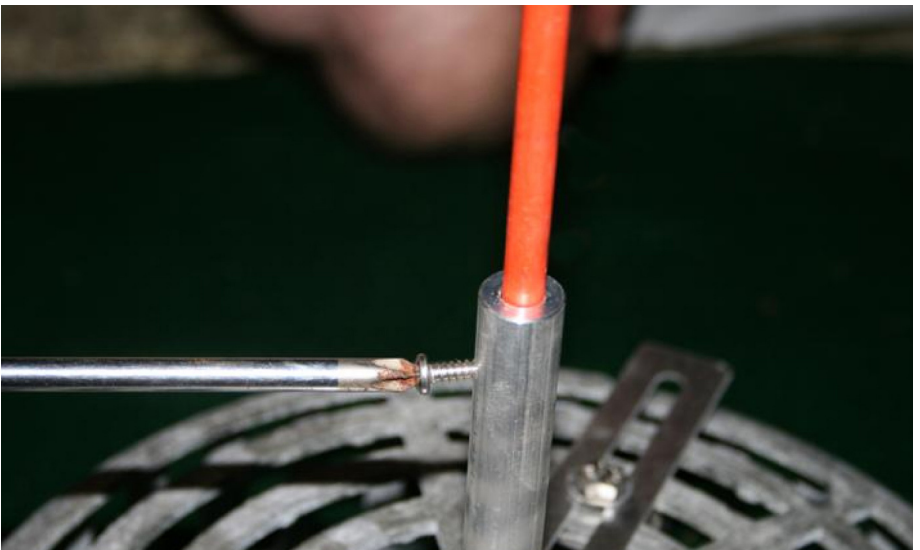
10. Place drain cover back to upright position and attach the marker holder by screwing onto the pim stud. Tighten with pliers. (Do not over tighten)



11. Insert fiberglass marker into marker holder.



12. Install set screw to side of marker holder to hold marker in place. Set screw should be flush with the surface of the marker holder, or slightly sunk in from it upon completion of marker installation.



13. Install roof drain cover back onto housing. Make sure roof drain cover is installed back in place correctly so as to prevent the drain cover from tipping over from high winds, causing possible damage to roof and or the marker assembly. Correct placement also prevents debris from entering the drain.



14. If there is an over hang of the bracket due to smaller roof drain covers, fold the over hanging ends of the bracket down onto the side of the roof drain cover.

***\*\*Please be sure that the drain dome / cover is locked securely into place at the completion of the marker installation to ensure proper function.\*\****



15. To improve upon the quality of your flat roof drain inspections, our marker's ends are made to be highly distinguishable from each other. This is so that at the completion of the inspection and clearing of the drain, the marker can be removed and re-installed with the opposite end up. This allows for visual confirmation of that drains inspection. On a large roof, this can be very helpful. To reverse the marker's ends, simply release it from the marker holder by unscrewing the set screw. Once the marker has been removed, remove the rubber tip from the top of the marker and place it on the opposite end. You are now ready to repeat steps 11 & 12 installing the marker back into the marker holder securing it with the set screw.

