Installation and
Maintenance Instructions for
Sump Retrofit Cover
(Part#- 1943)

**IMPORTANT:** It is imperative that the user read these warnings and the assembly instructions completely and carefully before installing Universal's Retrofit Sump Cover. Failure to do so may cause product failure.

**IMPORTANT:** Check to make sure that all parts are supplied before attempting to install the unit. If any parts are missing, consult with supplier. Never substitute or replace parts. Other parts may result in product failure, or future repair problems.

**WARNING-DANGER**: Using electrically operated equipment near gasoline or gasoline vapors may result in fire or explosion, causing personal injury, death and property damage. Be sure that the working area is free from such hazards, and always use proper precautions when working with hazards.

**DO NOT DROP EQUIPMENT:** Prevent equipment parts or tools from falling into the sump. Equipment parts or tools falling in the sump may hit pipes causing rupture.

**NOTICE: UNIVERSAL** products must be used in compliance with applicable federal, state, and local laws and regulations. Product selection is based primarily on environmental conditions, compatibility, efficiency and aesthetics. All illustrations and specifications in this literature are based on the latest product selection. Prices, materials, and specifications are subject to change at any time.

## Performance Specifications:

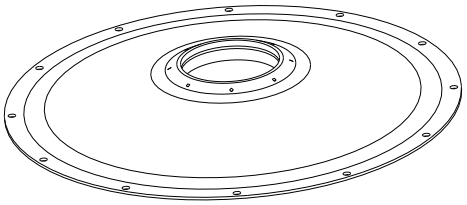
The Retrofit Cover installs in minutes, and fits sumps 27" to 34". It is made up of a rugged steel support ring and cover for maximum strength and durability. It consists of a mechanical seal and adjustable clamping device that eliminates glues or adhesive that would deteriorate after a year. The Cover consists of an additional safety monitoring access port that eliminates the need to remove the main cover.

**Tools Required:**
Adjustable Wrench

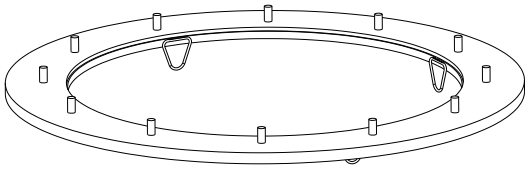
**Torque Specification:**
Turn-Buckle, 10ft-lbs min – 30ft-lbs max
Wing Nuts, 3/8-16 UN thread, 10ft-lbs min – 15ft-lbs max

1-800-223-0741

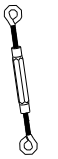
# RETROFIT SUMP COVER -



Sump Cover x1

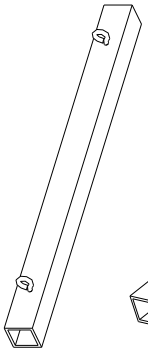


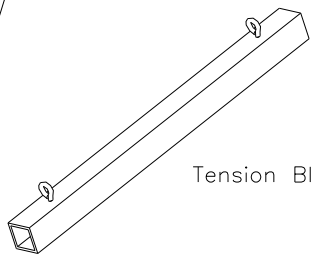
Support Ring x1



Turn-Buckle x4

Chain x4





Tension Block x2

Access Port
Cover x1

S-Hook x4

Wing Nuts x12

Spacer Blocks x4

1. Determine if the Retrofit Cover will fit by measuring the diameter of the sump. Universal's Retrofit cover will fit sumps of diameter 27" to 34" as shown in Figure 1.

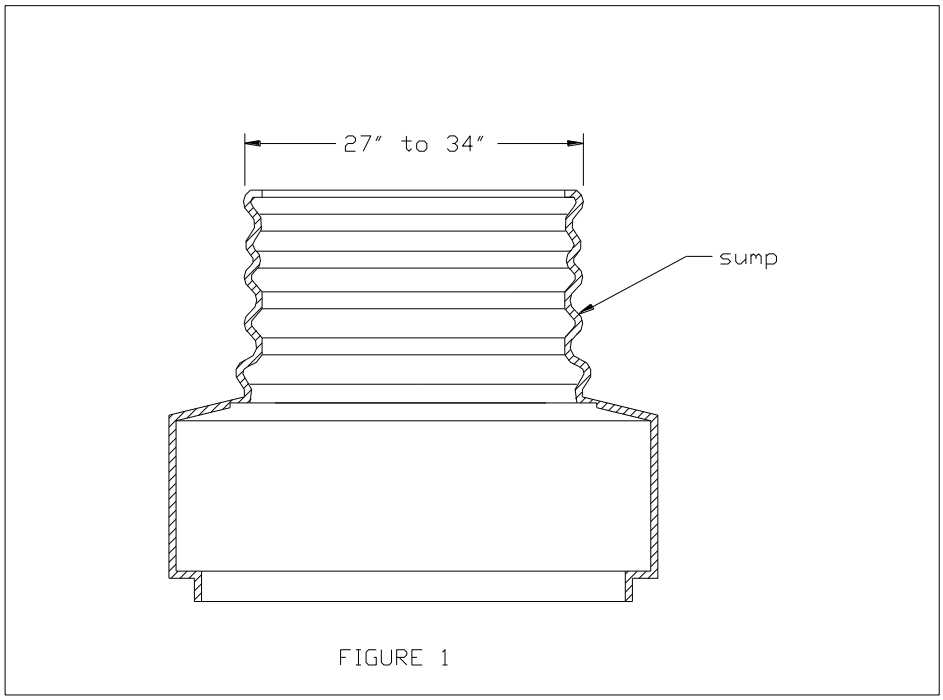



FIGURE 1

2. Place the Support Ring on top of the Sump with studs facing up as shown in Figure 2. Make sure that the ring is concentric with the diameter of the sump.
**NOTE**: If the top of the sump (lip) is not flat and has a recess that is greater than ¼", a hand plane or air operated plane can be use to level the surface.

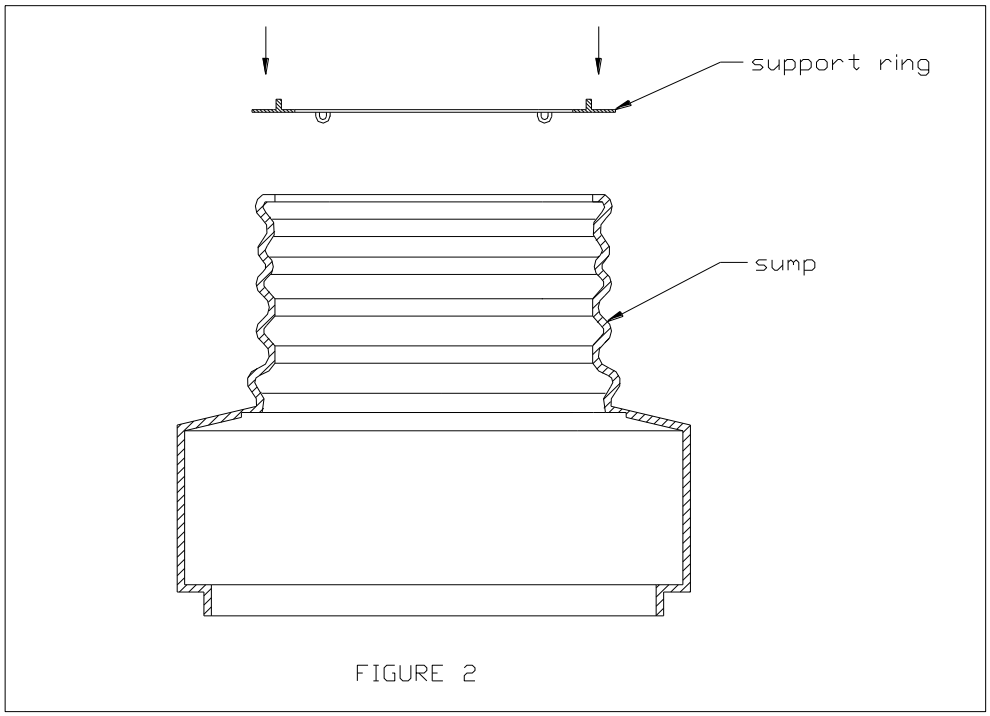



FIGURE 2

3. Measure the height of the collar as shown in Figure 3 to determine a suitable assembly method.
**NOTE**: This height will determine which configuration will work best with the assembly. Select the best method as shown below to fit the predetermined height.

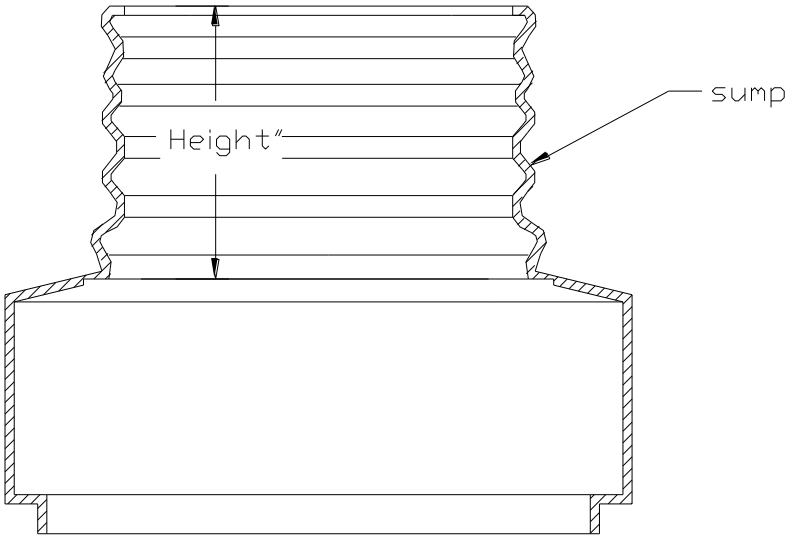
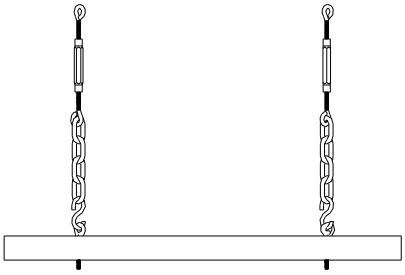



FIGURE 3

**NOTE**: Tension Blocks can be cut

Method 1: If the height of the collar is less than 5", attach only the turn–buckle to the Support Block and connect to the hooks at the bottom of the Support Ring as shown is Figure 4. Spacer blocks can be used to fill the gap between the Support Block and the inside bottom surface of the sump.
Note: If the Support Block is too long for the bottom surface of the sump, then cut off the excess amount equally at both ends. Use the cut–up pieces as the spacers

Method 2: If the height of the collar is between 5" to 10", attach only the turn–buckle to the support block and connect to the hooks at the bottom of the Support Ring as shown in Figure 4. Spacer blocks are not necessary if the the Spport Block reaches the bottom surface of the sump.



Method 3: If the height of the collar is more than 10", attach chain, turn–buckle, and S–hook to the Support Block and connect to the hooks at the bottom of the Support Ring. Adjust the chain links with the S–hook to allow the Support Block to to the bottom surface of the sump or at least come in close contact.

4. Make sure the hooks of the turn-buckle are fully extended by screwing outwards. Hold the chain assembly, and place it inside the sump and connect to the hooks of the Support Ring as shown in Figure 4 below.
Note: Be careful not to drop the chain assembly as it may damage pipes in the sump.

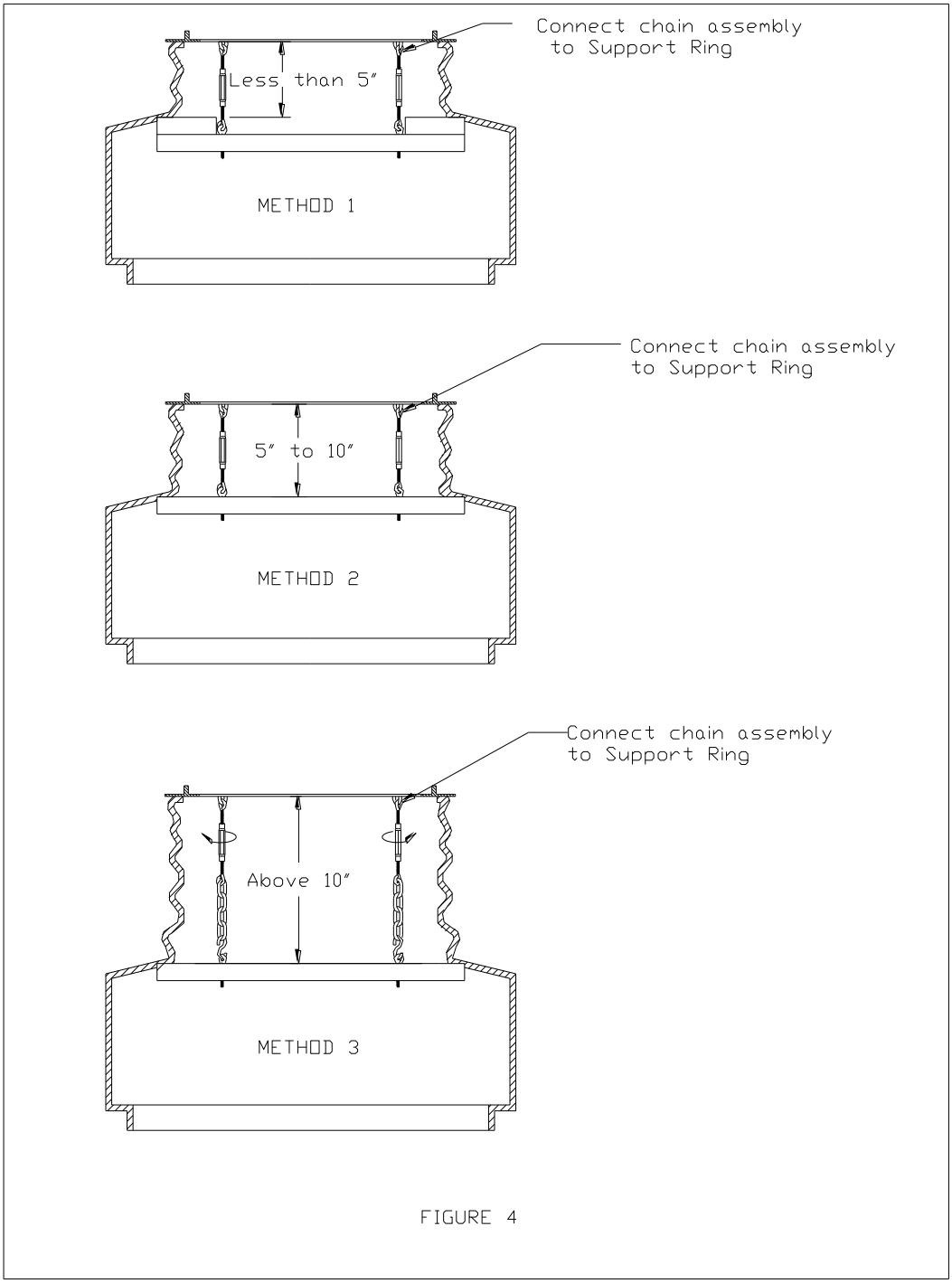



FIGURE 4

5. Turn the Turn-Buckles in the direction that retracts the Support Ring tight onto the lip of the sump as shown in Figure 5. Make sure that the Support Block is resting against the inside surface of the sump. This must be done for which ever assembly method is used. Note: the Turn-Buckles must be turned to create as much tension as required to seal the Support Ring onto the lip of the sump.

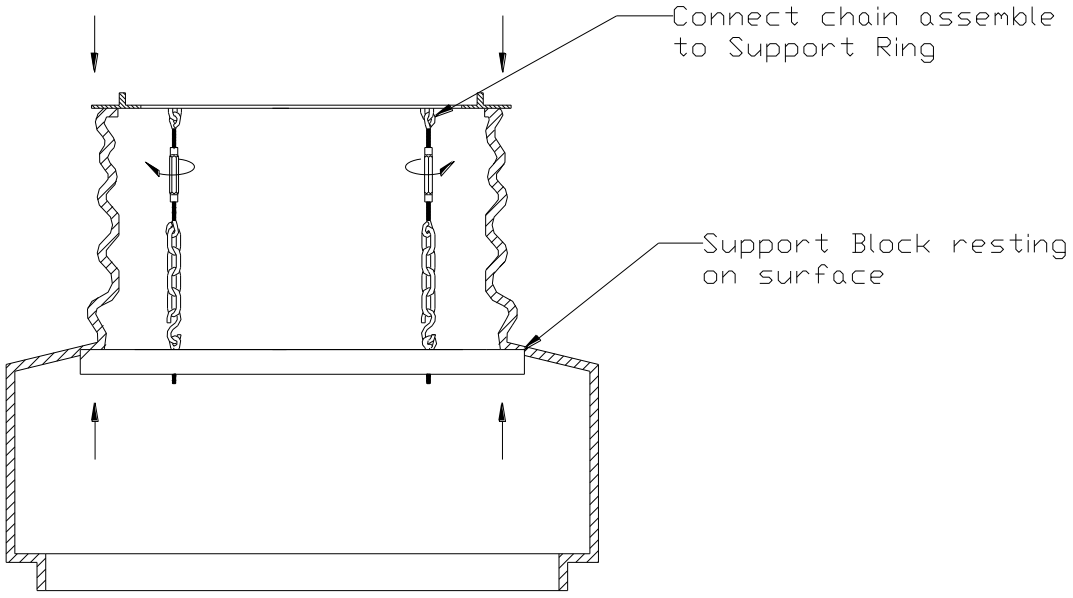



FIGURE 5

6. Place the Sump Cover onto the surface of the Support Ring as shown in Figure 6. Holes of the cover should align with the studs of the Support Ring to allow surface contact. Insert by screwing in the access port cover into the access port as shown in the figure.

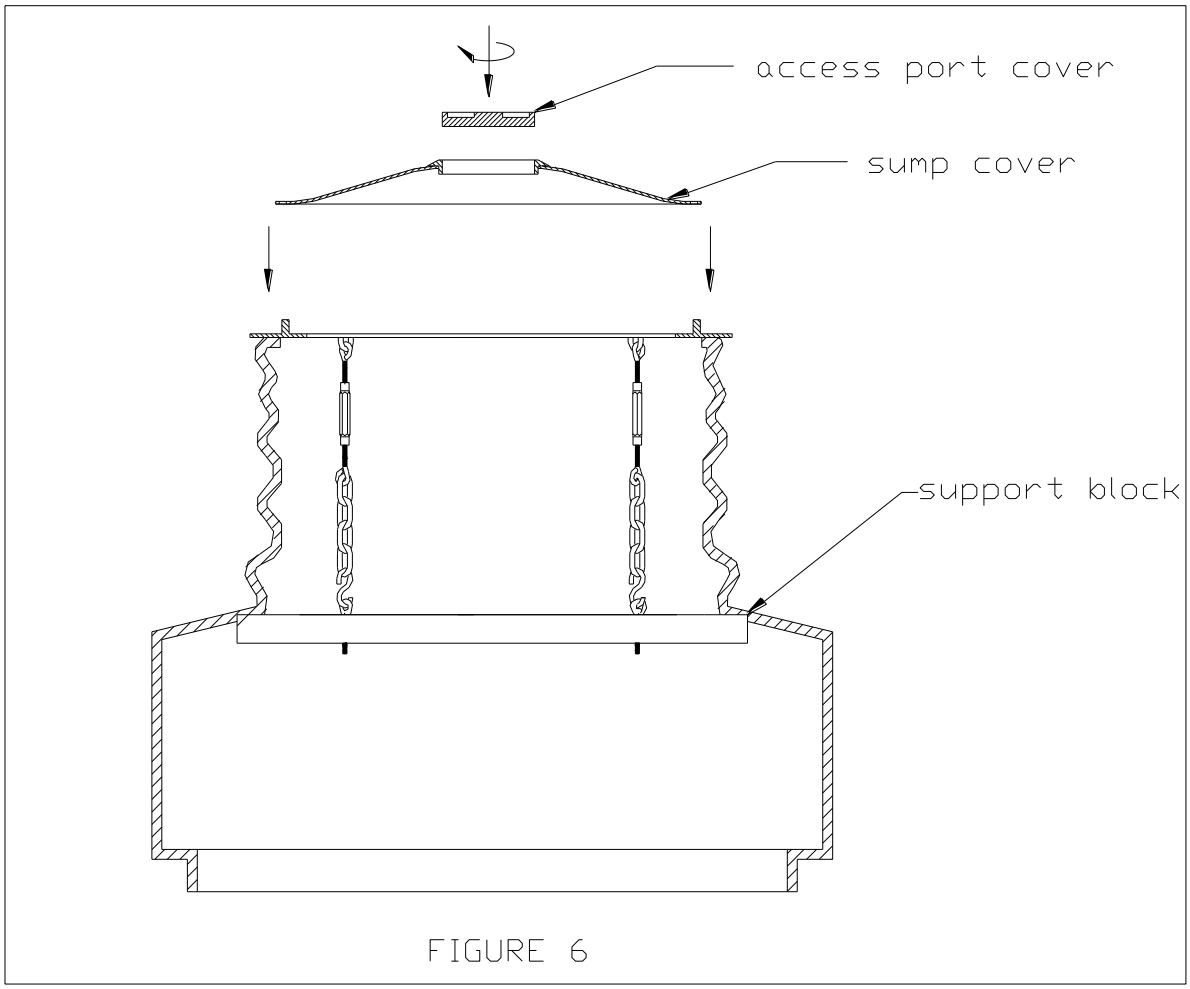



FIGURE 6

7. Secure the Sump Cover onto the Support Ring by screwing down with all 12 Wing nuts.
NOTE: there is a gasket at the bottom of the Sump Cover. Tighten nuts with enough torque to create a complete seal. (Nuts should be tightened with a hand torque of about 20lb-in). Power tools are not necessary for this assembly.

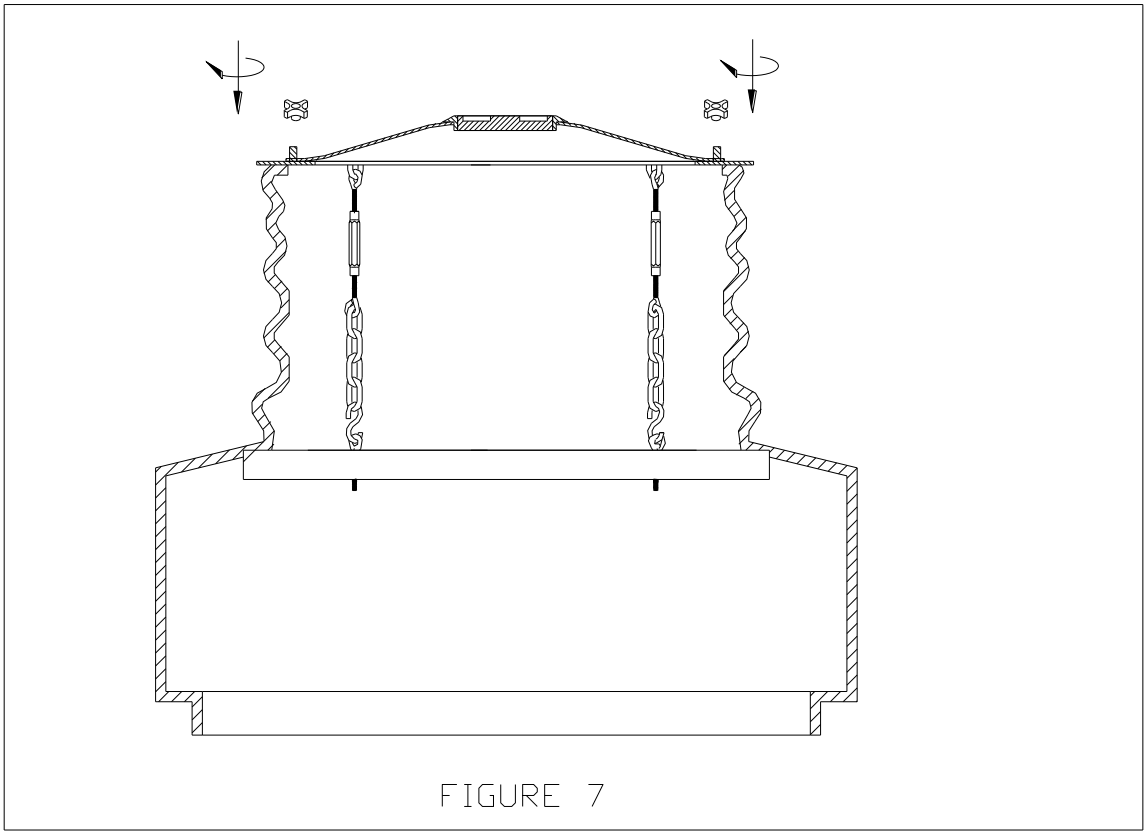


FIGURE 7