INSTALLATION GUIDE

1. General Instructions

Installing A Rectangular Cover

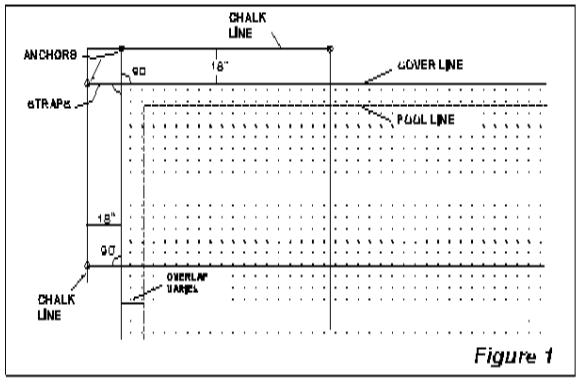

Figure 1

A: ON-GROUND COVER INSTALLATION INSTRUCTIONS:
Please Note: If you are installing a LOOP-LOC On-Ground Swimming Pool Cover using LOOP-LOC's patented Bracket, please disregard this installation booklet, and use the Installation Instructions which are packaged with your hardware. (This Installation Booklet is only required if your On-Ground cover is being installed using Wood Deck Anchor Flanges).

B: IN-GROUND COVER INSTALLATION INSTRUCTIONS:

Step 1:
Measure the cover and pool exactly. Lay cover over pool and adjust for **equal** overlap at **all** 4 corners of the pool. Example: a 20' x 40' rectangular pool takes a 22' x 42' cover. Overlap may vary from 11" to 14".

Step 2:
To determine anchor points for the 2 anchors at each corner of the pool, measure 18" back from the edge of the cover **(not the edge of the pool).** Measure at right angles to the cover edge, as illustrated in Figure 1.

Step 3:
Install the 8 anchors at the 4 corners of the pool (see **Anchor Installation**, page 2). Attach springs to the cover straps, then install springs on anchors, using Installation Rod (see **Spring Installation**, page 3).

Step 4:
Snap a chalk line along the perimeter of the pool, using corner anchors 18" from cover as a guide. See Figure 1 above. This will ensure that all anchors will be aligned.

Step 5:
With all 4 corners secured, locate remaining anchor points individually by pulling back each strap until cover edge is aligned with corner overlap. Anchors should be installed 18" back from aligned cover edge along strap line at right angle to cover edge. (NOTE: Chalk line should indicate proper distance for anchors to be aligned.)

Step 6:
When all anchors and springs are installed, conduct a final check. Adjust all springs so that tension is equal on all parts of the cover and the cover edge lies in a straight line on all sides.

Installing A Formfit Cover

Step 1:
Refer to Anchor Plan provided with cover. Cover must be laid out according to the plan to ensure proper installation.

Step 2:
Using stakes and rope, lay a rope grid across the pool, as shown in figure 2. Rope must be tight enough to support the cover while you install it.

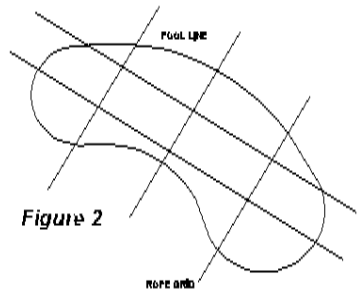

Figure 2

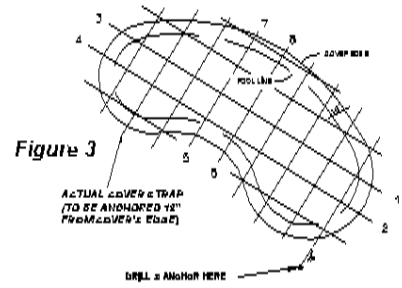

Figure 3

Step 3:
Stretch cover across pool and adjust for **equal** overlap on all sides. Overlap may vary from 15" to 18" depending on the cover size.

Step 4:
Locate anchor positions on Anchor Plan for straps numbered 1-4 (see figure 3). Measure and mark anchor positions on deck 18" from edge of cover.

Step 5:
Install anchors (see page 2) and springs (see page 3) for straps numbered 1-4 in the order shown on Figure 3. To ensure proper fit, follow spring compression guidelines on page 3.

Step 6:
Locate and install anchors and springs for straps numbered 5-8 in the order shown on Figure 3.

Step 7:
With first 8 anchors secured, locate and install remaining anchors in an alternating pattern, working from the middle of the cover to the ends. Secure each spring as individual anchors are installed.

Step 8:
When all anchors and springs are installed, conduct a final check. Adjust all springs so that tension is equal on all parts of the cover and the cover lies flat on the deck, with no bunches or creases.

IMPORTANT

Required Water Levels listed below must be maintained:
- LOOP-LOC Safety Swimming Pool Cover (Mesh) - 15-18" below top of pool.
- ULTRA-LOC SOLID Swimming Pool Cover (Solid Coated Green Mesh) - 12-15" below top of pool.
- LOOP-LOC On-Ground Swimming Pool Cover (Mesh) - 14" below top of pool.
- ULTRA-LOC SOLID On-Ground Swimming Pool Cover (Solid Coated Green Mesh)-12-14" below top of pool.

IMPORTANT

WATER LEVEL: In snow areas, water level must be maintained high enough to support the cover and prevent excess wear. Emphasize to customers that they must not allow the water level to fall below the above recommendations throughout the winter, or **their warranty will be void.**

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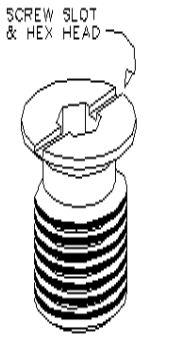
2. Anchor Installation

Installing Anchors In Concrete Decks

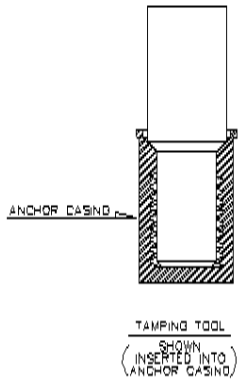
Once anchor positions have been determined (see **General Instructions**, page 1) you will need to drill holes in the concrete deck at these points to accommodate LOOP-LOC's brass anchoring system.

Step 1:

Drill ¾" hole at anchor point 2¼" deep. For best results, it is recommended that a rotary hammer drill and a long spline bit be used. To maintain consistent depth in all the holes, use tape to mark a point 2¼" from the tip of the bit, and drill to this point each time.



BRASS SCREW INSERT



Step 2:

IMPORTANT: Use silicone spray on all anchor inserts, shells and Tamp Tool before installing. When cover is removed, all anchors must be flushed out with a hose and re-sprayed with silicone before closing. If this is not done, you may encounter difficulty when trying to raise inserts in the fall.

Step 3:

Insert brass anchor casing into hole and tamp lightly with Tamp Tool to ensure tight fit, as shown in Figure 4.

Step 4:

Screw brass insert into casing, as shown in Figure 4.

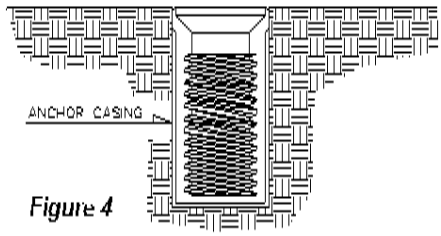


Figure 4

Installing Anchors In Other Surfaces

PAVERS, BRICK OR STONE: When decks are made with brick, stone or pavers laid on sand, or on a cement slab, the anchor-in-pipe method must be used or the cover cannot be considered safe and warranted.

For each anchor to be installed by this method, you will need to use ¼" inside diameter pipe or conduit, that's a minimum length of 15".

Step 1:

Insert brass anchor casing into end of pipe or conduit and secure.

Step 2:

Using rotary drill with 1" bit, if using pipe supplied by LOOP-LOC, or appropriate sized bit for pipe you are using, drill hole through the deck large enough to accommodate pipe or conduit at anchor points. Wherever possible, drill between bricks or pavers to avoid cracking them. Continue drilling in case concrete is laid under the soil.

Step 3:

Drive assembled pipe through hole into ground until flush, as shown in Figure 5. Place a block of wood or other material over the end of the pipe before driving to prevent damage to the anchor assembly.

Step 4:

Screw brass insert into casing, as shown in Figure 5.

GRAVEL, SOIL, OR PLANTER AREAS: When anchors are to be installed directly in any type of gravel, soil or loose ground, you must also use the anchor-in-pipe method. After assembling anchor casing in pipe, follow instructions from **Step 3** above.

Note: Use of stakes for more than 10% of the total installation will void the warranty

WOOD DECK: If a wood deck is at least 1 5/8" thick, the standard concrete deck anchoring procedure may be used. If deck is thinner, we recommend an anchor-in-pipe installation method. Wood Deck Anchor Flanges may also be used, **at the dealer's discretion**, depending upon the quality, thickness and strength of the specific type of wood at the job site.

Note: Any synthetic wood type materials that do not meet the above criteria should utilize the standard anchor in pipe method.

Anchor-In-Pipe: Follow the instructions for PAVERS, BRICK OR STONE. *IMPORTANT*: You must use pipe or conduit long enough to extend 15" into the ground itself, taking into account space between wood deck and ground (see Figure 6). Pipe must always be inserted at least 15" into ground for cover to be considered safe and warranted.

Wood Deck Anchor Flanges are installed as follows (see Figure 7):

Step 1:

Counter-sink 1½" diameter hole 1/8" deep into wood deck using self-boring bit.

Step 2:

Drill ¾" diameter hole into wood deck - minimum 2" deep.

Step 3:

Insert wood deck anchor flange into hole and tap until top of flange is flush with wood deck.

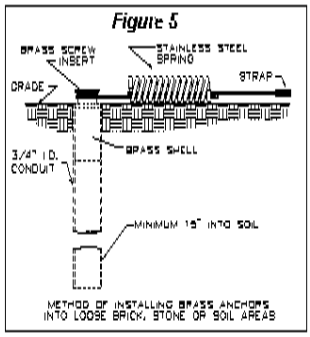
Step 4:

Secure flange with 4 wood screws.

Step 5:

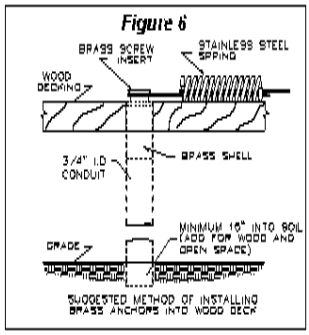
Screw brass insert into flange, as usual.

Figure 5



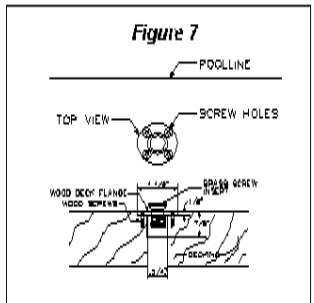
METHOD OF INSTALLING BRASS ANCHORS INTO LOOSE BRICK, STONE OR SOIL AREAS

Figure 6



SUGGESTED METHOD OF INSTALLING BRASS ANCHORS INTO WOOD DECK

Figure 7



3. Spring Installation

Attaching Springs To Straps

Lace straps around the squared-off end of springs using the method pictured in Figure 8. This allows for easy adjustment of straps, thus ensuring proper compression of springs.

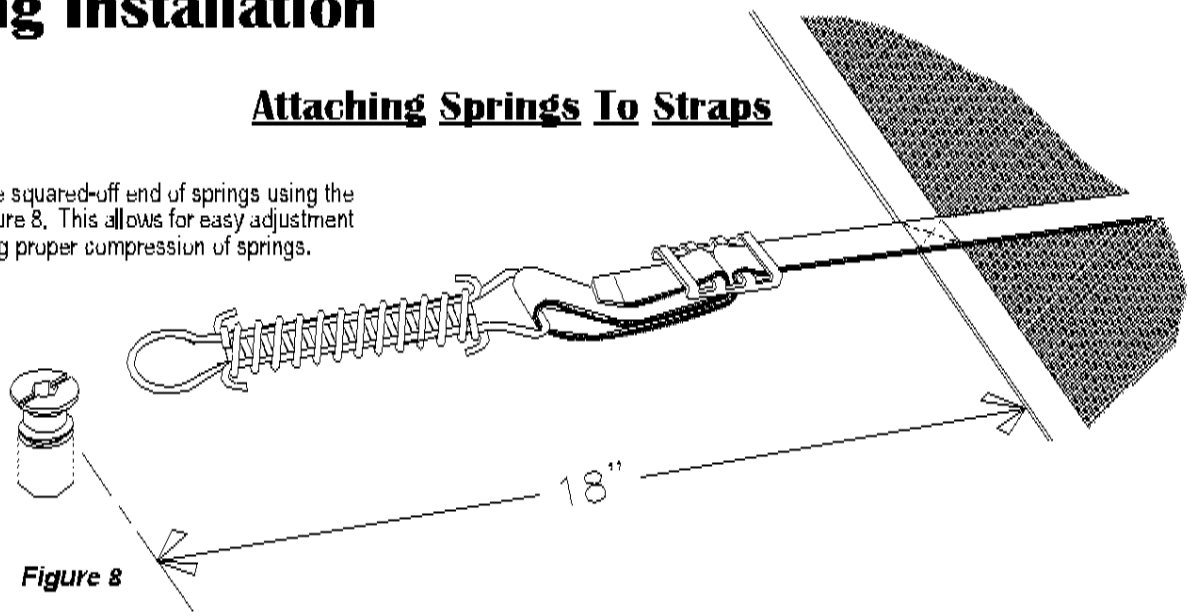


Figure 8

Installing Springs On Anchors

Step 1:
Insert Installation Rod through retaining ring on end of spring (see Figure 9).

Step 2:
Place heel of rod behind anchor bolt. Pull rod handle away from cover edge, until retaining ring on spring slides over anchor bolt (see Figure 10).

Step 3:
Rotate rod until heel is free from anchor bolt. Cover is now secured to anchor.

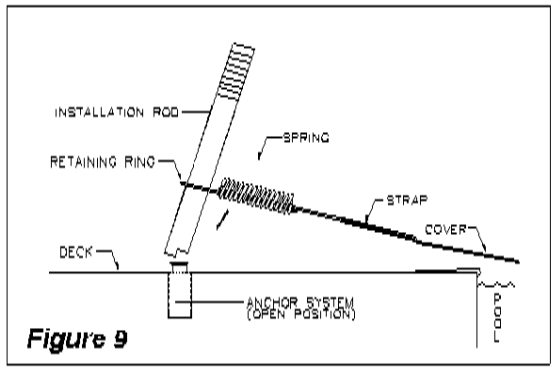


Figure 9

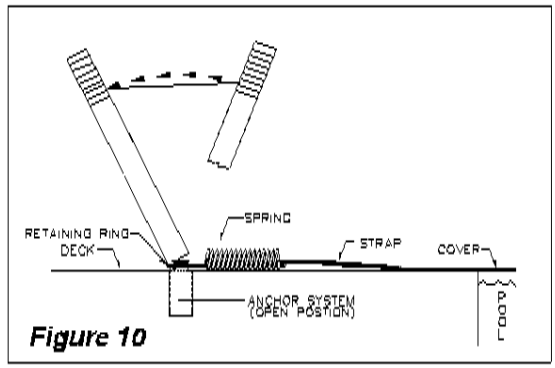


Figure 10

Proper spring compression is crucial for a correct fit in all installations. Please adhere to the following compression instructions:

LOOP-LOC Safety Swimming Pool Covers (In-Ground): New mesh covers tend to shrink in their cartons. By compressing springs almost totally (at least 85-90%) during the initial installation, you will ensure that the cover will stretch back to its normal size. It is also recommended that the springs be retightened 2 to 3 weeks after initial installation to ensure that they remain approximately 70-75% compressed at all times.

ULTRA-LOC SOLID Swimming Pool Covers (In-Ground): Due to the very minimal stretch of Ultra-Loc material, initial spring compression for our Ultra-Loc covers should be set to approximately 60%. When equipped with drain panels, spring tension adjustments may be necessary to promote proper drainage. To maintain safety, any standing water must be pumped off immediately. An approved automatic cover pump is available from Loop-Loc.

Removing Springs From Anchors

Step 1:
Insert Installation Rod over anchor bolt with heel of rod facing cover (see Figure 11).

Step 2:
Pressing downward, rotate rod 180 degrees so that heel of rod is between anchor bolt and retaining ring (see Figure 12).

Step 3:
Tilt rod slightly toward cover until retaining ring slides off anchor bolt. Cover is now released from anchor.

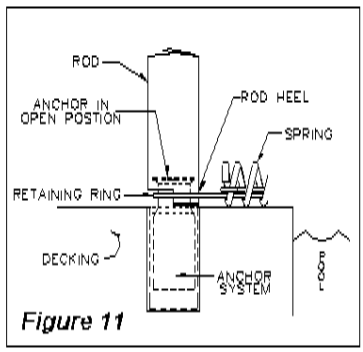


Figure 11

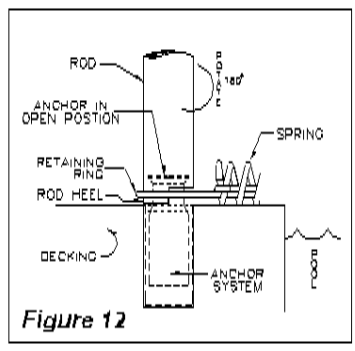
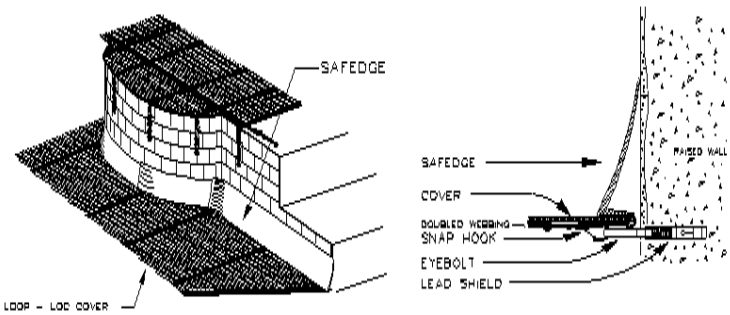


Figure 12

4. Child Safety Barrier Installations

LOOP-LOC's SAFEDGE® Installation

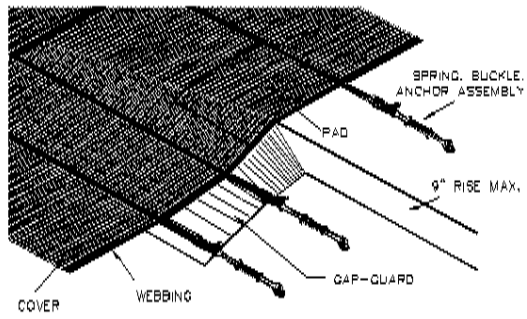
In cases where raised obstructions, such as walls, at the edge of a pool may create a gap, the cover will be provided with LOOP-LOC's patented SAFEDGE® child safety barrier - a tough plastic extrusion sewn into the cover to fill the gap. Installation is as follows:



SAFEDGE® may be trimmed to fit irregularities at the job site; cutting too much, however, might affect safety or damage the cover.

LOOP-LOC's GAP-GUARD® Installation

LOOP-LOC's patented GAP-GUARD® is used to close the spaces created by varying deck levels, such as steps. GAP-GUARD® is manufactured 15" wide, but should be trimmed, after cover is fully adjusted and tightened to lie flush against rise of deck, as shown:



5. Raised Wall Installations

When an installation includes a raised bond beam, wall, rock or waterfall, the regular anchoring procedure cannot be used because of inadequate deck area. In these situations, the cover will be manufactured with snap hooks sewn to the underside. The snap hooks are designed to fasten to eyebolts (also provided with the cover) which must be installed in the raised wall.

IMPORTANT:

Install this section of the cover FIRST. Never attempt to bypass use of snap hooks when cover is provided with them. **All covers MUST be installed drum-tight to eliminate excessive wear, which will NOT be covered under our 12 year pro-rated warranty.** Following the procedure below is crucial to ensuring proper installation and wear of the cover.

Installing Eyebolts and Snap Hooks In Masonry & Rock

(See Step 6 below for Tile Application)

Step 1:
Using the Anchor Plan provided with the cover, locate eyebolt locations.

Step 2:
At first eyebolt location, drill a 3/8" hole to a depth of 3".

Step 3:
With the washer on the eyebolt, thread the eyebolt 4 complete turns (approximately half way) into the wall anchor.

Step 4:
Insert the wall anchor assembly into the 3/8" hole until the washer is pressed against the wall (you may have to tap with a mallet).

Step 5:
Using a screwdriver, turn the eyebolt in a clockwise direction to "set" the wall anchor. Remember to end with the eyebolt in the horizontal position.

Step 6: (Tile Application)
For tile applications, two bits will be needed.

- 1/2" Glass Bit
- 3/8" Standard Bit noted in Step #2

Drill through tile using 1/2" glass bit. Once the bit breaks through the tile, switch to the 3/8" bit noted in Step #2. Complete with Step's 3 - 5.

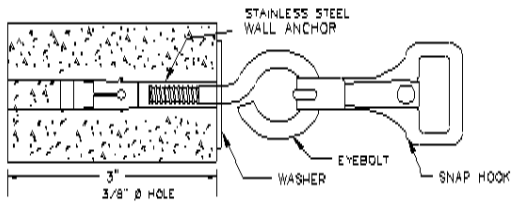
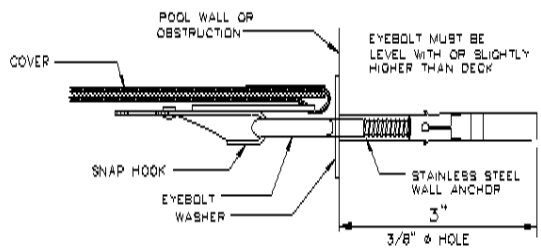


Figure 13



Special Note: The hole must be drilled the entire 3", to prevent the eyebolt assembly from sticking too far out and away from the pool

6. Cable Installation for Cable Raised Wall

PLEASE NOTE:
Any gaps will render the *installation* improper and non-safe and will void cover warranty. Eyebolt spacing greater than 18" will render the *installation* improper and non-safe and will void cover warranty. All eyebolts indicated on anchor plan must be installed or installation will be deemed non-safe and will void cover warranty.

Hardware Included:

7/32" Stainless steel cable
Stainless steel turnbuckle 3/8" x 10 ½" (this size has travel distance of 4")
4 Stainless steel U-bolts
2 Brass anchors - extended insert (for use in concrete)
2 Vinyl caps

****** The raised wall areas of the cover must always be installed first******

Installing Eyebolts:

Step 1:
Using the anchor plan provided with the cover, locate first eyebolt location.
Step 2:
At first eyebolt location, drill a 3/8" hole to a depth of 3". The hole must be drilled the entire 3" to prevent the eyebolt assembly from sticking too far out and away from the wall.
Step 3:
With the washer on the eyebolt, thread the eyebolt 4 complete turns (approximately half way) into the wall anchor.
Step 4:
Insert the wall anchor assembly into the 3/8" hole until the washer is pressed against the wall (you may have to tap with a mallet).
Step 5:
Using a screwdriver, turn the eyebolt in a clockwise direction to "set" the wall anchor. Remember to end with the eyebolt in the vertical position.
Step 6:
Tile Applications:

- For tile applications two bits will be needed.
  1/2" glass bit
  3/8" standard bit as noted in Step 2

- Drill through tile using 1/2" glass bit. Once the bit breaks through the tile, switch to the 3/8" bit noted in Step 2. Complete with Steps 3-5.

Step 7:
After installing the first eyebolt, install all additional eyebolts, using the anchor plan as a guide. Eyebolts may never be installed more than 18" apart. All inside corners must have an eyebolt. (See Figure 14 on reverse side) Eyebolt spacing of less than 18" will be necessary when there is an inside radius to ensure that the distance from cable to wall will not exceed 2".

Installing Cable:

Step 1:
Install one brass anchor into concrete at each end of the raised obstruction approximately 18" back from waters edge. (See Figure 14) If concrete deck is not present a concrete footing is required.

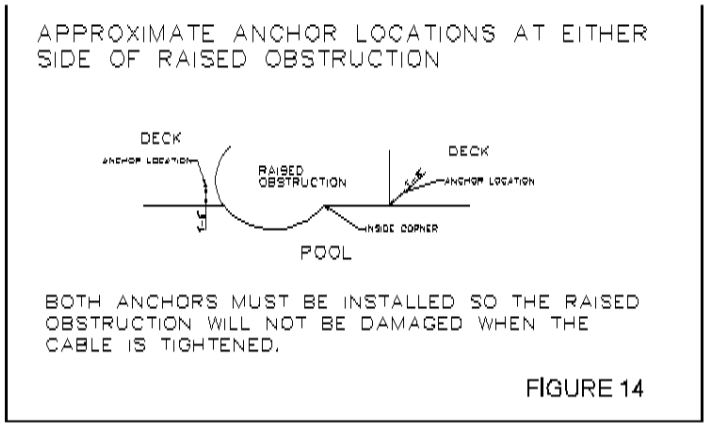


FIGURE 14

Step 2:
Unscrew the anchor insert from the casing completely. Making sure the turnbuckle is in its most extended position, place the anchor through the turnbuckle eye. Tighten anchor completely.

Step 3:
Pass the end of the cable through the unused turnbuckle eye. Make a loop with a turnback of 6" and install two U-bolts to secure the cable. (See Figure 15)

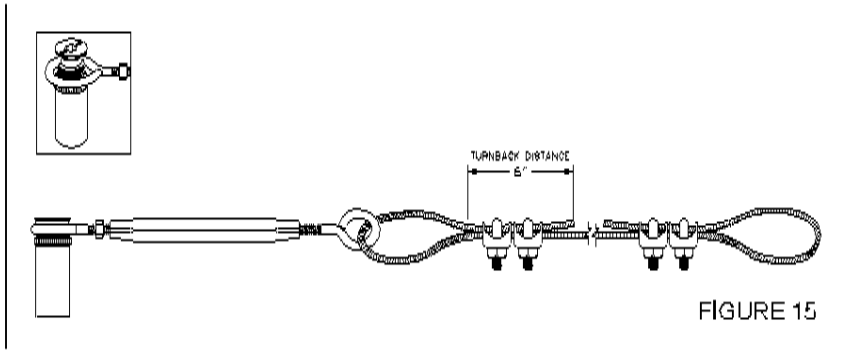


FIGURE 15

Step 4:
Thread the cable through all the eyebolts.

Step 5:
Stretch the cable as tightly as possible along/around the raised obstruction and loop it around the other brass anchor on the opposite end of the raised obstruction.

Step 6:
Keeping the cable as taut as possible, install the second set of U-bolts as described in step 3. Trim off any excess cable and place vinyl caps on end of cut cable.

Step 7:
Using an open-end wrench, turn the turnbuckle to tighten the cable.

Step 8:
Attach all the cover's snap hooks onto the cable.

Step 9:
Proceed with the remainder of the cover installation as per the General Instructions (page 1).
After completion of the entire cover installation, there should not be any gaps between the raised obstruction and the Safedge. No gap between the cover edge and the raised obstruction may be more than 3". Retighten the cable and/or trim Safedge as required.

LOOP-LOC DOES NOT RECOMMEND USE OF CABLE ON APPLICATIONS WHERE CABLE CANNOT BE PROPERLY TIGHTENED AND/OR ANCHORED.