

“Lift off and Swing”  
Removal Feature

# FeherGuard

## PREMIUM (FG7B)

ABOVE-GROUND SOLAR COVER  
REEL SYSTEM  
ASSEMBLY INSTRUCTIONS



**PLEASE READ ENTIRE INSTRUCTIONS CAREFULLY BEFORE PROCEEDING**

### Four Easy Steps:

If you need additional assistance, contact us at [info@feherguard.com](mailto:info@feherguard.com) or call 905-876-4766 Monday to Friday 8:30 a.m. to 5:00 p.m. Eastern Time.

- **Trim cover to clear inside top edge of pool.** Cover should not touch sides of the pool when rolling up. Leave an extra 4" (10 cm) on cover length if installing at mid-point or widest point to allow for fold (see Fig. 1)

### REEL SYSTEMS COMPONENTS AND PREPARATION:

**Getting started:** Safety Glasses recommended

#### Tools required for assembly:

- Portable drill
- Tape measure
- Pencil and Scissors
- 1/4" Drill Bit

#### Ends & Hardware Parts List:

- |                                 |                               |
|---------------------------------|-------------------------------|
| 2 Ends (Tees)                   | 2 Cones                       |
| 2 Handles                       | 2 Bearings                    |
| 2 Plugs for "L" Series Tubesets |                               |
| Hardware Kit:                   | 10 Plastic Screws             |
| 10 Strap Plates                 | 4 Wing nuts & bolts           |
| 10 - 26" Straps                 | 25 Metal Self-Drilling Screws |

### STEP 1: SOLAR REEL PLACEMENT:

- On round pools, the reel should be located across the center of pool or slightly off center with cover extensions folded in (see Fig.1). On oval or rectangular pools, locate the reel across widest point.
- First determine the potential placement of the post cones. **Cones must be Level** and on outer side of top rail. Ensure adequate space under the rail to tighten the wing nuts (see Fig. 2) Cones will be attached after reel system has been assembled.

Measure between inside flat edges of 2 cones.



Fig. 2

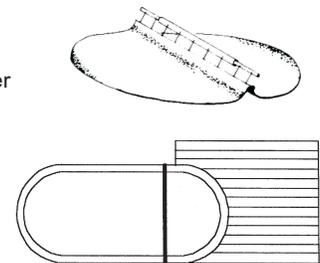


Fig. 1

### STEP 2: TUBE ASSEMBLY for L18, L18M\*, L24M\* (mill\*) Tubeset

**THIS STEP REQUIRES 6 SELF-DRILLING stainless steel screws at EACH TUBE JOIN. DO NOT pre-drill holes or over-tighten screws.** A very small "pilot hole" is acceptable.

- Carefully measure between inside flat edges of two cones to calculate overall length for the tubes. **Use Minimum Insertion Table below.**



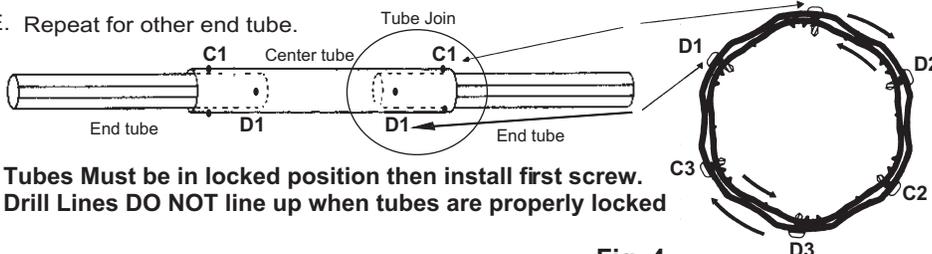
Fig. 3 Insert both End Tubes equal distance into Center Tube and Mark on Center Tube where inner tubes end.

| Tube      | Min. Insert | Max. Width    | Max. Wet Cover Weight | Max. Cover |
|-----------|-------------|---------------|-----------------------|------------|
| L18/L18M* | 9"          | 18'6" (5.7 m) | 60# (27.3kg)          | 18'x36'    |
| L24M*     | 13"         | 24'6" (7.3 m) | 50# (22.7kg)          | 24'        |

(3 tube Configuration)

\* Mill tubes tarnish over time. Anodized tubes help reduce tarnishing.

- Lock tubes together by rotating the center tube in the opposite direction to end tube. **HOLD TUBES LOCKED WHILE YOU INSTALL FIRST SELF-DRILLING SCREW ON A DRILL LINE, 1" (2.5 cm) back from end of center tube at location "C1"** (Fig. 4 & 5). If necessary, a very small "pilot hole" may be drilled.
- Place 2 more self-drilling screws at Location "C2" and "C3" - 1 screw on every second Drill Line around tubes (see Fig. 4).
- At "D" locations, install 3 screws around the center tube on every second drill line, 1" (2.5 cm) back from where you marked the end of the inner tube (see Fig. 4).
- Repeat for other end tube.



**Tubes Must be in locked position then install first screw. Drill Lines DO NOT line up when tubes are properly locked**

Fig. 4



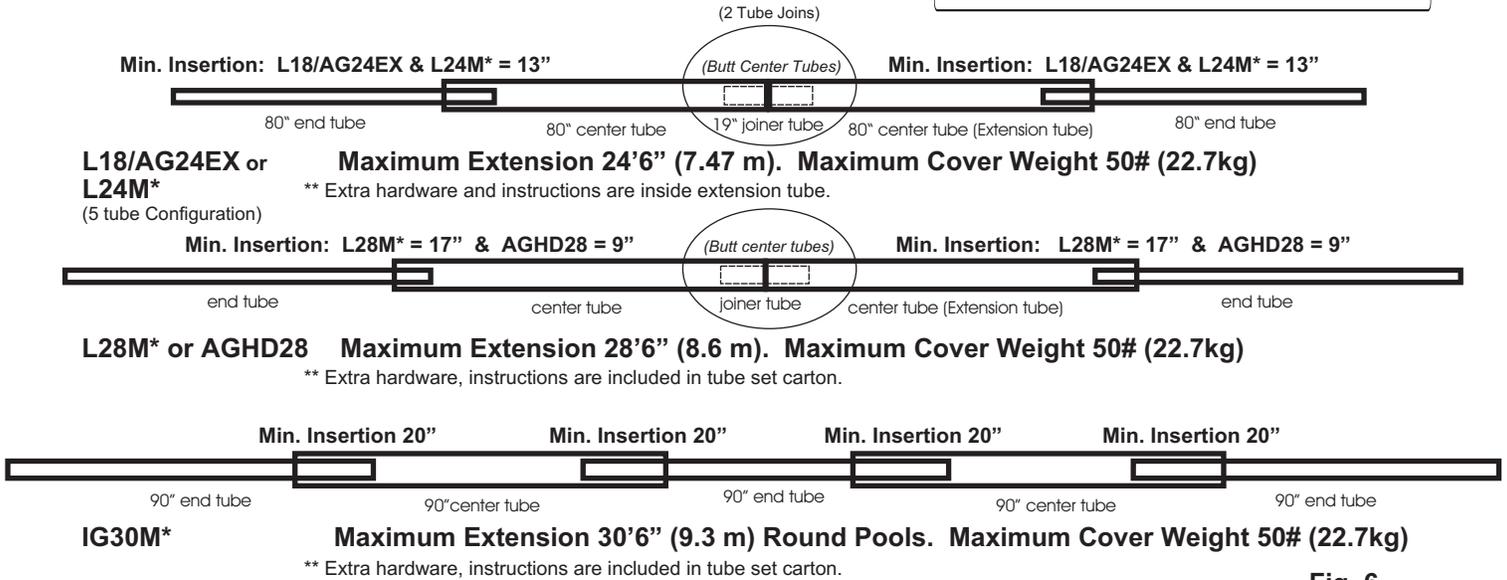
Drill lines **MUST NOT** line up when tubes are properly locked

Fig. 5

**Tube Assembly: L18 / AG24EX, L24M\*** (new 5 Tube Configuration),  
**AGHD28, L28M\* or IG30M\***

**Twist, Lock and Hold EACH Tube Join before installing first screw.**

**Assembly for Tubesets below require a total of 24 SELF-DRILLING stainless steel screws. (6 Screws at EACH Tube Join). DO NOT pre-drill holes or over-tighten screws. A very small "pilot hole" is acceptable.**



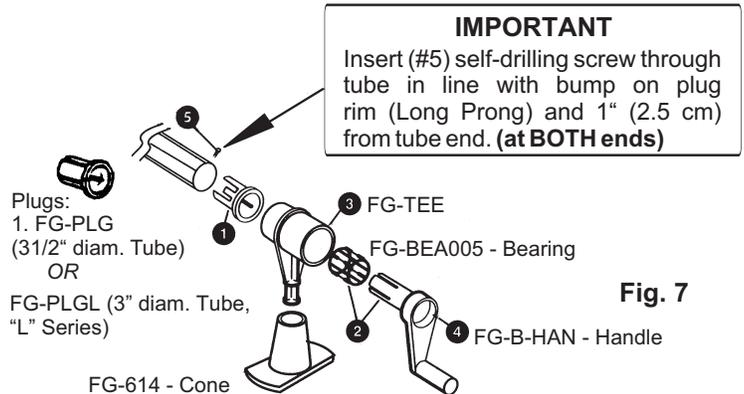
**Fig. 6**

\* Mill tubes may tarnish over time. This does not affect performance or Warranty. Anodized tubes help reduce tarnishing.

**STEP 3: ASSEMBLE ENDS**

Assemble in numerical order (see Fig. 7):

- Insert #1 appropriate sized Plug into End Tube.
- Place #2 Bearing inside #3 Tee.
- Push #4 Handle through Bearing and into Plug.
- Insert #5 self-drilling screw through tube in line with bump (Long Prong) on plug rim and 1" (2.5 cm) from tube end.
- Repeat for other end.

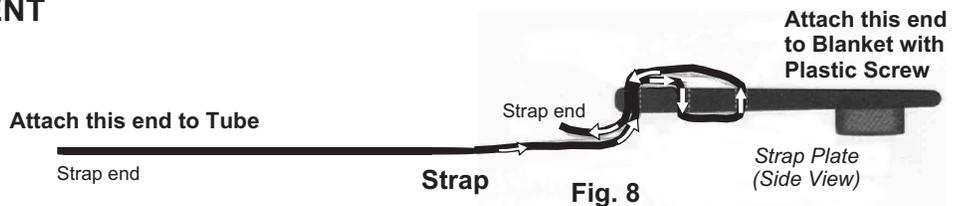


**Fig. 7**

**STEP 4: STRAP ATTACHMENT**

**Attach a Strap Plate to one end of all Straps provided (see Fig. 8).**

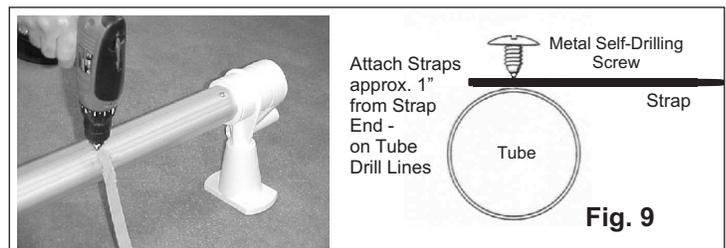
Strap length can be adjusted at Strap Plate if necessary.



**Fig. 8**

**STRAP ATTACHMENT - TO TUBES**

- Mark each End Tube 6" (15 cm) in from the inside edge of pool top rail. Attach one Strap at each mark on a Drill Line (see Fig. 9). The remainder of the Straps will be spaced evenly - on Drill Lines - between the outside 2 Straps. Mark all strap locations before installing. Use all Straps provided. Note: Maximum distance between straps is 30"
- Attach Straps to Tubes at the marks with a Metal Screw directly through the strap material and approximately 1" back from the end of the strap (see Fig. 9). **DO NOT pre-drill holes** (a tiny "pilot hole" is acceptable) or **over-tighten screw**.



**Fig. 9**

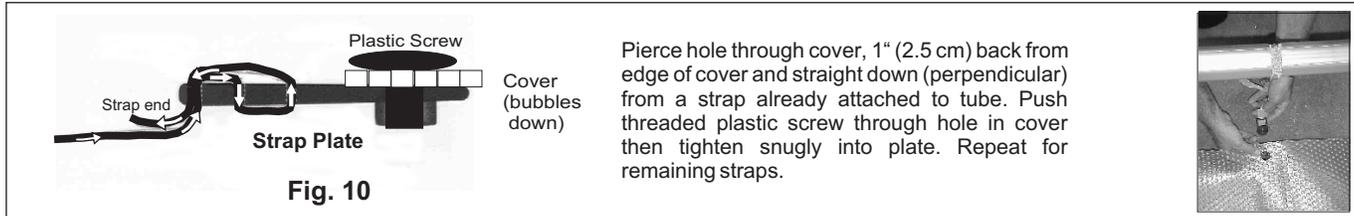


## STRAP ATTACHMENT - TO COVER (Solar Blanket)

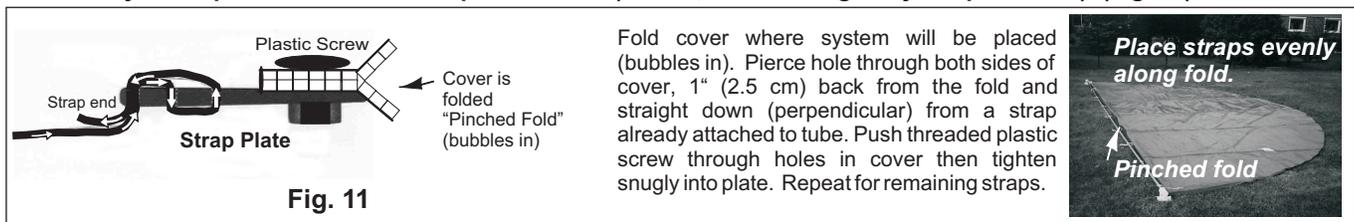
### C. Choose ***EITHER Fig. 10 OR Fig. 11*** based on your pool shape.

It will be easier if you move the cover away from the pool and fold it if necessary (bubbles in) on a flat surface.

#### For Reel Systems Placed at Pool End (Rectangular Pools) (Fig.10)



#### For Reel Systems placed across widest point of Pool (Round, Oval or Irregularly Shaped Pools) (Fig. 11)



D. Place assembled reel across pool at determined location and mark holes for post cones. Attach cones by drilling 1/4" (6.35 mm) holes in top rail as marked on the cones. **Take Care to not drill into pool liner. Cones MUST be level** for the system to lift off or swing.

E. When you start to roll up cover, **all straps must take hold of the cover at the same time.** Adjust strap length at strap plate if necessary.

### Safe Use of Your Solar Reel:

Solar Reel Systems are designed solely to remove solar covers and are not made to support people or any other weight.

Solar covers must be completely removed before entry into the pool. Under no circumstances, should one swim in a pool partially covered with the solar cover.

### Care and Storage:

**Check screws periodically and tighten, if necessary.** The solar reel may be stored outside for the winter. It is not recommended to disassemble it for storage

**In order to protect the warranty on your solar cover, it is essential to use a protective cover when the it is rolled up on the reel. In the summer use a White Sheet with UV inhibitors and in Winter, a Winter Jacket. If not provided, they can be purchased from your pool retailer.**



HV-WCR

### FeherGuard Accessories available through Pool Retailer:

|           |   |
|-----------|---|
| FG-FASKIT | Tube & Blanket Fastening Kit (10 sets tube & blanket fasteners & 10 - 26" straps / package)                   |
| FG-PFS    | Tube & Blanket Fasteners (10 sets / package)  |
| FG-RS26   | Reel Strapping (10 - 26" Straps / package)  |
| FG-RS50   | Reel Strapping (1 Roll 50' Strapping / package)   |
| FG-MPR    | Mid-Grip Pull Rope (helps pull Solar Blanket on to Pool - 35' Rope, 2 clips, 2 plates, 2 fasteners / package) |
| FG-WPS    | White Protective Sheet with UV Inhibitors (Wrap to protect solar blanket on the reel 24' x 3 1/2' / package)  |
| FG-BS2X6  | Blanket Straps (secures rolled up Solar Blanket on Reel - 2 x 54" straps with buckles / package)              |



**Five Year Warranty:**

FeherGuard warrants for a period of five years from the date of delivery to the original consumer purchaser, that the Premium Above Ground Solar Cover Reel System shall be free from defects in workmanship or material, under normal use and in accordance with FeherGuard’s written installation and use instructions.

FeherGuard at its option shall supply free of charge any part found to be defective in workmanship or material.

Any implied warranties are limited in duration to the five-year period from the date of delivery to the original consumer purchaser. **Excluded from this warranty are all consumables (bearings, straps, strap plates, screws). Tarnishing or discoloration of mill aluminum tubes can occur. This is not a warranty issue as tarnishing does not affect tube performance or integrity .**

This warranty is void if there is evidence of purchaser abuse, improper installation or normal wear.

FeherGuard will not be liable for incidental or consequential damages resulting from any defects in workmanship or material, improper or unsafe storage and movement. Some States/Provinces/Countries do not allow the exclusion or limitation of incidental or consequential damages, so the foregoing limitations or exclusions may not apply.

This warranty gives the claimant specific legal rights. The provisions of this warranty are in addition to and not a modification of or a subtraction from the statutory warranties and other rights and remedies contained in applicable local legislation.

To validate warranty, return this registration form within 30 days of purchase. You may also register your warranty ONLINE at FeherGuard’s Home Page - [www.feherguard.com](http://www.feherguard.com).

Warranty claims should be processed through your Dealer and include your proof of purchase.

FeherGuard Products Ltd. 3153 Steeles Ave. West, Unit 5  
Milton, Ontario CANADA L9T 2V4  
**Specifications subject to change without notice. 01 18**

Thank you for buying the Premium Above Ground Solar Cover Reel System. We know it will make solar cover handling easy for you.

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**FeherGuard “Five Year” Warranty Registration** Please Print

PURCHASER: \_\_\_\_\_

ADDRESS: \_\_\_\_\_ CITY: \_\_\_\_\_

STATE/PROVINCE/COUNTRY: \_\_\_\_\_ ZIP/POSTAL CODE: \_\_\_\_\_

|         |                |               |
|---------|----------------|---------------|
| FG7B    |                |               |
| MODEL # | STORE LOCATION | PURCHASE DATE |

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