

# FeherGuard™

## PREMIUM (FG7B)

ABOVE-GROUND SOLAR COVER  
REEL SYSTEM  
ASSEMBLY INSTRUCTIONS

**PLEASE READ ENTIRE INSTRUCTIONS CAREFULLY BEFORE PROCEEDING**

□ Trim cover to clear inside top rail. Allow an extra 4" (10 cm) on length if installing the reel at mid-point.

### Four Easy Steps:

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

### REEL SYSTEMS COMPONENTS AND PREPARATION:

#### Getting started:

Ensure that your system has two cartons consisting of one end carton and one tube set carton\*.

#### Tools required for assembly:

- Portable drill (driver bit provided)
- Tape measure
- Pencil and Scissors
- 1/4" Drill Bit

#### Tube Carton Parts List:

|             |                                      |            |
|-------------|--------------------------------------|------------|
| L18 or L18M | 3 tubes (1 center & 2 end)           | 1 Carton   |
| L18/AG24EX  | 5 tubes (2 center, 2 end & 1 joiner) | *2 Cartons |
| AGHD28      | 5 tubes (2 center, 2 end & 1 joiner) | 1 Carton   |

**IMPORTANT**  
Please make special note of areas marked in RED

#### End Carton Parts List:

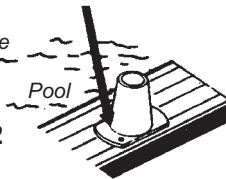
|                              |                              |
|------------------------------|------------------------------|
| 2 Ends (Tees)                | 2 Cones                      |
| 2 Handles                    | 2 Bearings                   |
| 2 Plugs for 2 1/2" Tube Sets |                              |
| Hardware Kit:                | 10 Plastic Screws            |
| 20 Strap Plates              | 4 Wing nuts & bolts          |
| 10 - 26" Straps              | 25 Metal Self-Driving Screws |

### STEP 1: SOLAR REEL PLACEMENT:

- A. On round pools, the reel should be located across the center of pool or off center with cover extensions folded in (see Fig.1). On oval or rectangular pools, locate the reel at widest point.
- B. 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 has been assembled.

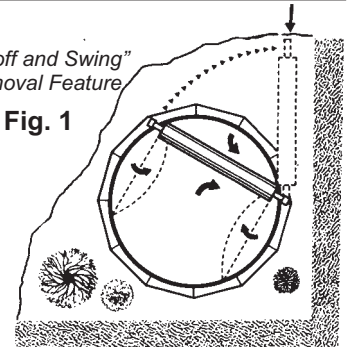
Measure between inside flat edges of 2 cones.

Fig. 2



"Lift off and Swing" Removal Feature

Fig. 1



### STEP 2: TUBE ASSEMBLY for L18 (or L18M) Tube Set

Note: THIS STEP REQUIRES A TOTAL OF 12 SELF-DRILLING SCREWS  
Do not pre-drill holes or over-tighten screws.

- A. Carefully measure between inside flat edges of two cones to calculate overall length for the tubes.

Ensure a minimum 9" (22.5 cm) of each end tube is inside center tube. Less than 9" insert causes screws to loosen and/or tubes to split.

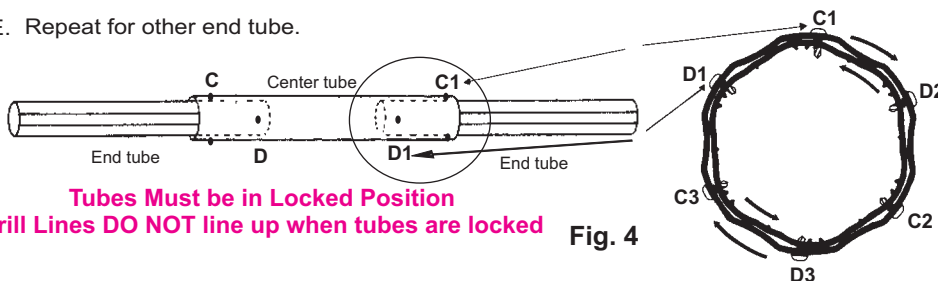


Fig. 3

Insert both end tubes equal distance into center tube and mark on center tube where inner tubes end

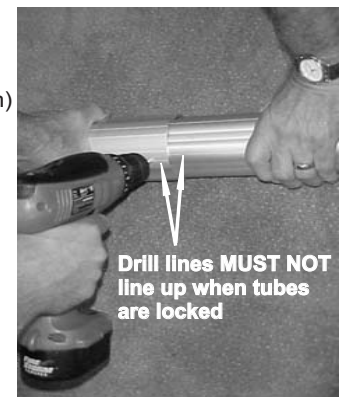
Maximum Tube Length is 18'6" (5.6m)  
Maximum Cover Weight is 60# (27.3kg)  
Maximum Cover is 18' x 36' (5.5 m x 11.78 m)

- B. 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).
- C. Place 2 more self-drilling screws at Location "C2" and "C3" - 1 screw at every second drill line around tubes (see Fig. 4).
- D. At "D" locations, install 3 screws around the center tube at every second drill line, 1" (2.5 cm) back from where you marked the end of the inner tube (see Fig. 4).
- E. Repeat for other end tube.



**Tubes Must be in Locked Position**  
**Drill Lines DO NOT line up when tubes are locked**

Fig. 4



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

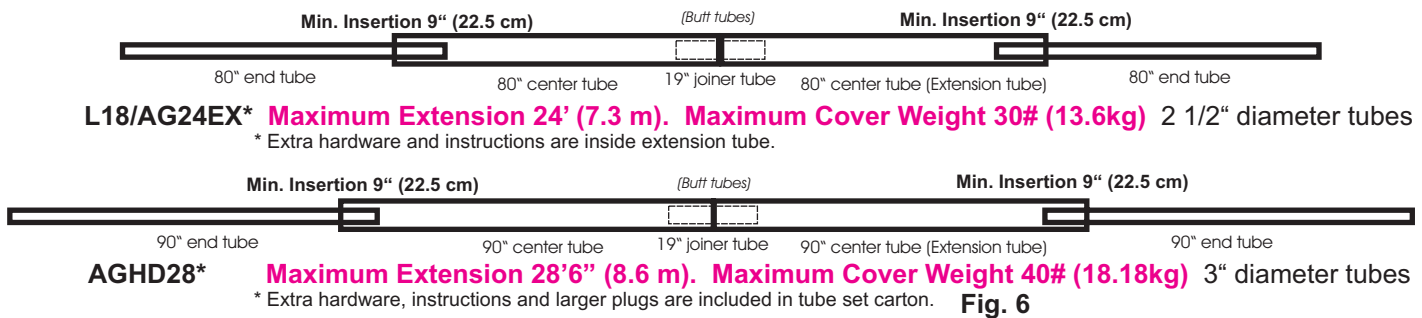
Fig. 5

## Tube Assembly for L18/AG24EX (or L18M/AG24EXM) and AGHD28

Note: Separate instructions are included in the tube cartons listed below

- **Twist, Lock and Hold EACH tube join before installing first screw.**

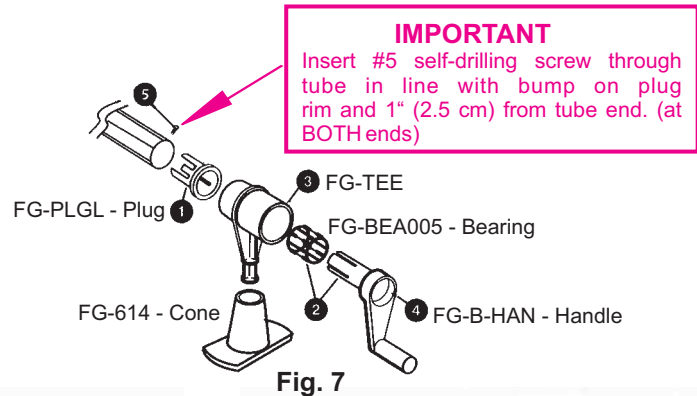
Assembly for Tube Sets below require  
24 self-drilling screws EACH.  
**Do not pre-drill holes or over-tighten screws .**



### STEP 3: ASSEMBLE ENDS

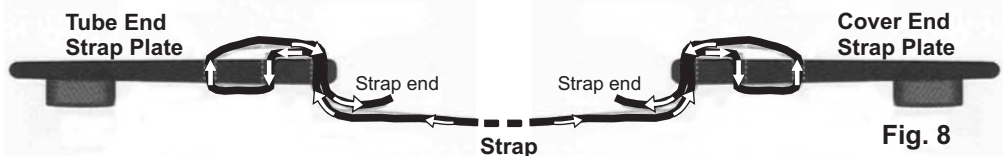
Assemble in numerical order (see Fig. 7):

- Insert #1 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 a bump on plug rim and 1" (2.5 cm) from tube end.**
- Repeat for other end.



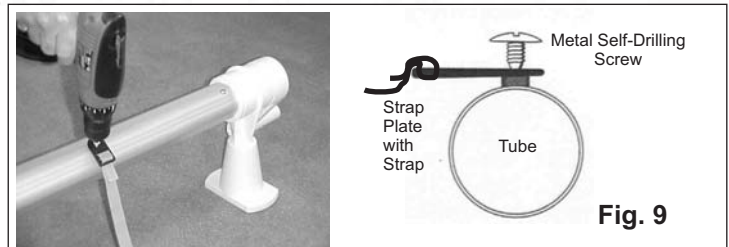
### STEP 4: STRAP ATTACHMENT

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



### STEP 4: STRAP ATTACHMENT - TO TUBES

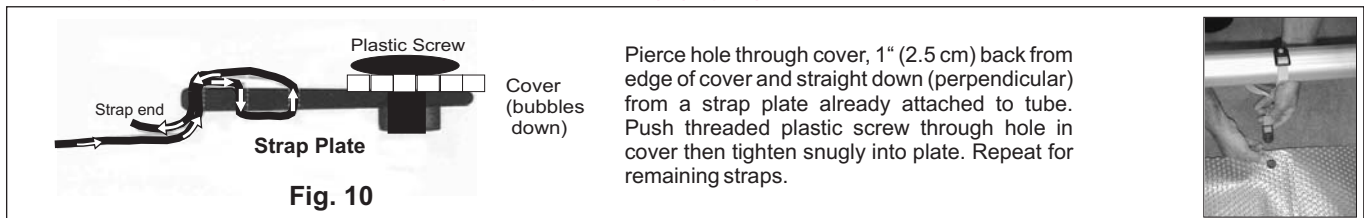
- Mark each end tube 6" (15 cm) in from the inside edge of top rail of pool. Strap plates are spaced evenly between these marks. Mark strap plate locations along drill lines. Use all straps provided.
- Attach strap plates to tube (see Fig. 9). **DO NOT pre-drill holes or over-tighten screw.**



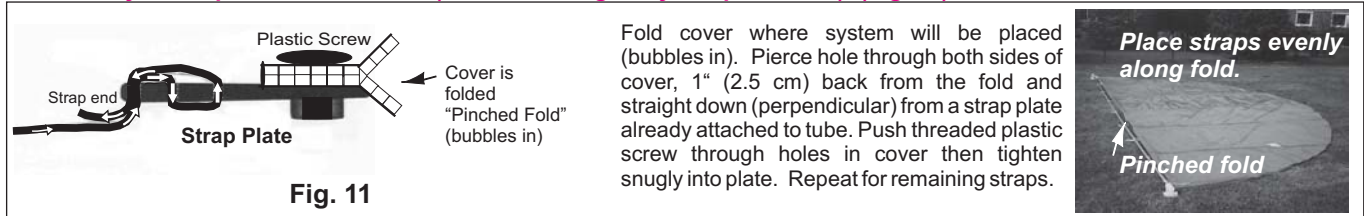
### STRAP ATTACHMENT - TO COVER

- Choose the appropriate instructions below for your pool setup. If you have determined a mid-pool placement, it will be easier if you move the cover away from the pool and fold it (bubbles in) on a flat surface. **Choose either Fig. 10 or Fig. 11.**

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



#### For Reel Systems placed at Mid-Pool (Round or Irregularly Shaped Pools) (Fig. 11)



D. Place assembled reel at the 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. **Do not drill into liner.** Cones must be level in order for the system to lift off or swing.

E. When you start to roll up the cover, all straps must take hold of the cover at the same time. Adjust the strap lengths 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 inside.

**ACCESSORIES AVAILABLE FROM YOUR DEALER:**



**FG-FASPAK**  
**Tube & Blanket Fastening Kit**  
 (10 sets tube & blanket fasteners / pouch)  
**FG-FASKIT (CARTON)**



**FG-BS2**  
**Blanket Straps**  
 (2 x 54" / pouch)



**FG-RS50**  
**Reel Strapping**  
 (1 - 50' roll)



**FG-PFS**  
**Tube & Blanket Fasteners**  
 (10 Sets / pouch)



**FG-WPS**  
**White Protective Sheet**  
 (24' x 3 1/2' sheet)

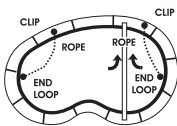


**FG-MPR**  
**Mid-Grip Pull Rope**  
 (see information below)

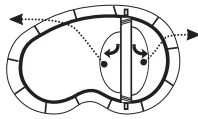


**FG-RS26**  
**Reel Straps**  
 (10 / pouch)

Take a look at our Website: [www.feherguard.com](http://www.feherguard.com)



Clips to side for easier access when cover is rolled.



Makes pulling cover onto the pool easier.

**MID-GRIP PULL ROPE (FG-MPR) (Available from your Dealer)**

For ease of pulling cover on pool, we suggest using the Mid-Grip Pull Rope accessory. This easily attaches to the cover as shown at the left.



**VACUUM HOSE REEL (FG-VHG)**

Available through your local dealer

- Holds up to 50' of 1 1/2" Vacuum Hose
- Durable, smooth polyethylene construction
- Also for Pool Backwash Hose, Electrical Cord (100') or Garden Hose (100')



**FG-VHG**



## 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.

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. 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.  
821 Main Street East  
Milton, Ontario CANADA  
L9T 3Z3

**Specifications subject to change without notice.**

10/03

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



### FeherGuard "Five Year" Warranty Registration

Please Print

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

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

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

MODEL #

STORE LOCATION

PURCHASE DATE