

ASSEMBLY INSTRUCTIONS
Surface Rider™ and Surface Rider™ II

PLEASE READ ENTIRE INSTRUCTIONS CAREFULLY BEFORE PROCEEDING

Four Easy Steps:

If you need additional assistance: E-mail us at 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.

- Before starting reel assembly, trim cover to clear inside top rail.
- Allow an extra 4" (10 cm) on length when installing the reel at mid-point to allow for fold.
- Surface Rider II (SREII) Must be installed on your pool at the mid-point.

IMPORTANT
Please make special note of areas marked in RED

REEL SYSTEMS COMPONENTS AND PREPARATION:

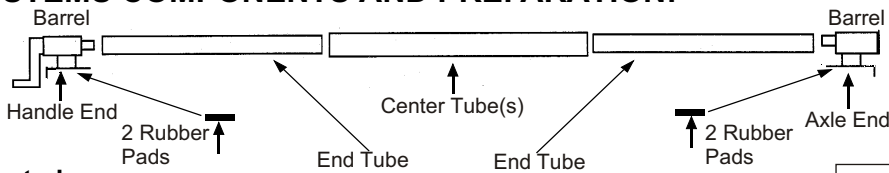


Fig. 1

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

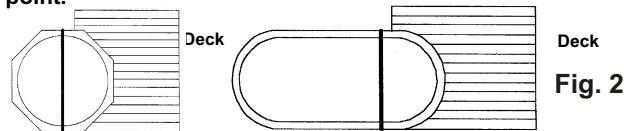
End Carton Parts List:

1 Handle End	1 Axle End
4 Rubber Pads	
Hardware Kit:	Driver Bit
16 Strap Plates	22 Metal Screws
8 Plastic Screws	8 Straps

STEP 1: SOLAR REEL PLACEMENT:

- A. Determine the best location for the reel system. On round pools, the reel should be located across the center of the pool. On oval or rectangular pools, locate the reel at its widest point where there is no decking on either side (see Fig. 2 below).
Note: Surface Rider II (SREII) systems must be installed at mid-point.

- B. At the determined location, measure the width of the pool from the outside edges of top rail and subtract 4" (10 cm) to ensure ends of system are 1/2" wider than outside of top rail. Ends must sit loosely on pool. System Ends must be FULLY inserted into end tubes.



STEP 2: TUBE ASSEMBLY

for SRT14, SRT18 and SRT24 Tube Sets
(See page 2 for assembly of SRT28 and SRT34 Tube Sets)

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

- A. **Ensure minimum insert of each end tube is inside center tube** (see table at right)
Less than minimum insert causes screws to loosen and/or tubes to split.

	Minimum Insert	Maximum Extension
SRT14	7" (17.5 cm)	14' (4.2 m)
SRT18	8" (20 cm)	18' (5.5 m)
SRT24	10" (25 cm)	24' (7.3 m)

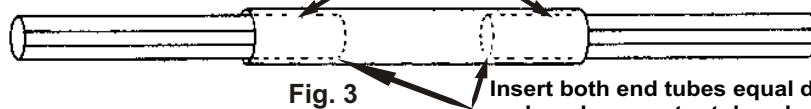


Fig. 3
Insert both end tubes equal distance into center tube and mark on center tube where inner tubes end

- B. Lock tubes together by rotating the center tube in the opposite direction to end tube. **HOLD TUBES LOCKED WHILE YOU INSTALL THE FIRST SELF-DRILLING SCREW ON A DRILL LINE, 1" (2.5 cm) back from the end of the center tube at Location "C1"** (see Fig. 4 & 5).
- C. Place 2 more self-drilling screws at Location "C2" & "C3" - 1 screw at every second drill line around tubes (see Fig. 4 & 5).
- 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.

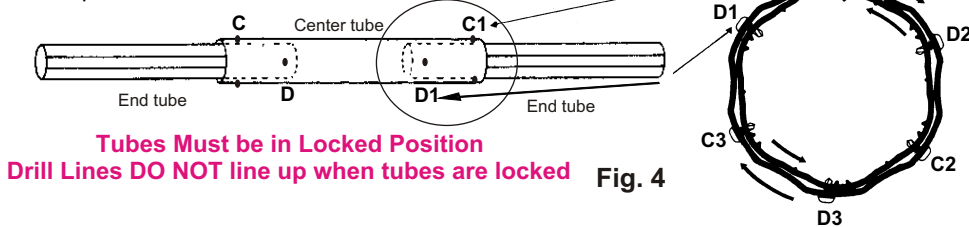


Fig. 4



Fig. 5

Tube Assembly for SRT28 and SRT34

Additional instructions and hardware are included in the Tube Carton

- **Twist, lock and hold EACH tube join before installing first screw (Fig. 3 & 4).**

Assembly for SRT28 tube sets requires 24 self-drilling screws. SRT34 requires 36. Do not pre-drill holes.

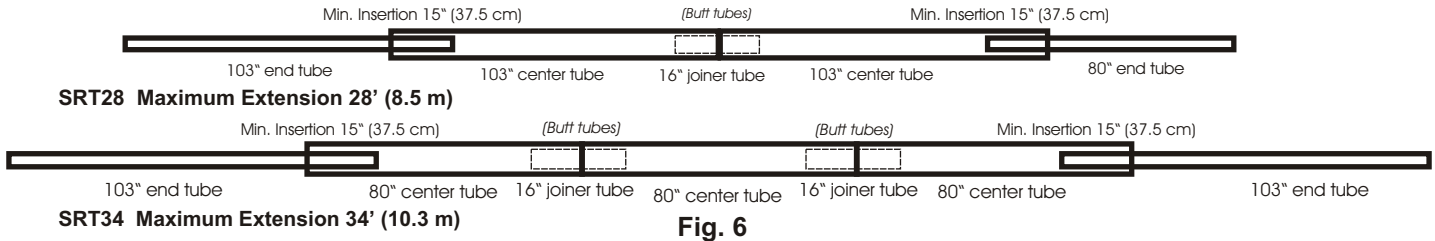


Fig. 6

STEP 3: ASSEMBLE ENDS

- Insert each end firmly and fully into the tubes.
- Attach each end by installing one self-drilling screw through drill line, 1" (2.5 cm) from the tube end at BOTH ends (see Fig. 7).

IMPORTANT:
When end is assembled put screw through tube 1" (2.5 cm) from tube end. (at BOTH ends)

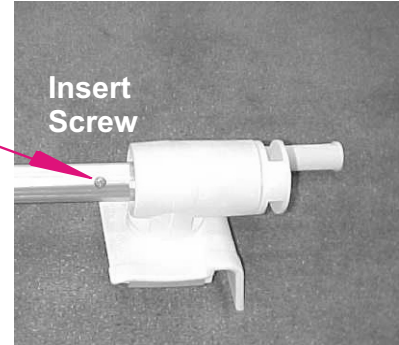


Fig. 7

STEP 4: STRAP ATTACHMENT - TO TUBE

- 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 straps to plates (see Fig. 8).
- Attach strap plates to tube (see Fig. 9). **DO NOT pre-drill holes or over-tighten screws.**

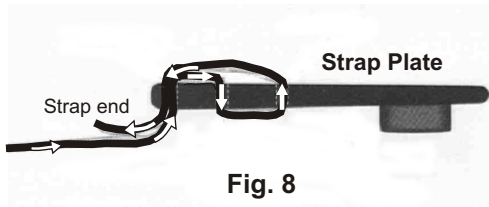


Fig. 8

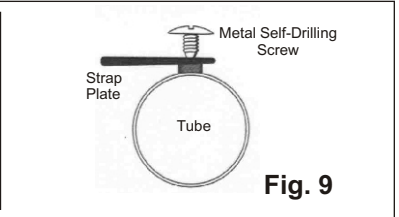
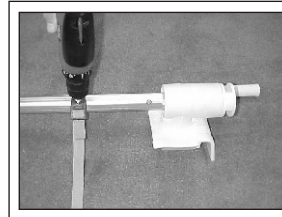


Fig. 9

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)

Attach cover end of strap to plate (see Fig. 8) then pierce hole through cover, 1" (2.5 cm) back from edge and directly below strap plate on tube. Push threaded plastic screw through hole in cover and tighten snugly into strap plate.

Fig. 10

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

Fold cover (bubbles in) then pierce hole through both sides of cover 1" (2.5 cm) back from the fold (directly below strap plate on tube). Attach cover end of strap to plate (see Fig. 8). Push threaded plastic screw through holes in cover and tighten snugly into strap plate.

Place straps evenly along fold.

Fig. 11

- Do not attach the Surface Rider to the pool in any way. If this is done you will damage the system and void the warranty.
- With round pools, the ends of the cover should unroll in opposite directions. With oval or rectangular pools pull the leading edge of the cover slowly down the pool. (See Mid-Grip Pull Rope Accessory on page 3.)
- The Surface Rider is *designed* to bow (see Fig. 12). The cover and the reel is supported by the buoyancy of the water during rolling.



Fig. 12

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.

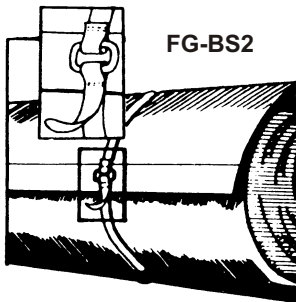
Solar covers must be completely removed before entry into the pool. Under no circumstances, should one swim in a pool partially covered with the solar cover.

Tubes are made of non-anodized aluminum and will discolor over time. This does not affect performance.

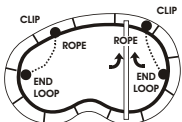
Care and Storage:

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.

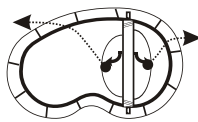
ACCESSORIES AVAILABLE FROM YOUR DEALER:



- FG-SRFAS SURFACE RIDER TUBE & COVER FASTENING KIT
- FG-PFS TUBE AND COVER FASTENERS (10 sets per pouch)
- FG-RS26 REEL STRAPPING (10 Straps 26" per pouch)
- FG-RS50 REEL STRAPPING (1 - 50' Roll)
- FG-BS2 COVER STRAPS (2 x 54" per pouch)
- FG-WPS WHITE PROTECTIVE SHEET (24' x 3 1/2' sheet)
- FG-MPR MID-GRIP PULL ROPE



Clips to side for easier access when cover is rolled.



Makes pulling cover onto the pool easier.

MID-GRIP PULL ROPE ACCESSORY (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.



FG-VHGH

NEW DESIGN VACUUM HOSE REEL

Available through your local dealer

SOLD WITH 35' OF PLASTIFLEX VACUUM HOSE (FG-VHGH)

or choose

THE VACUUM HOSE REEL (FG-VHG)

- Holds up to 50' of 1 1/2" Vacuum Hose
- Durable 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 Surface Rider 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 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.

11/02

Thank you for buying the Surface Rider 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