

SolarGuard

ASSEMBLY INSTRUCTIONS Solar Cover Reel System (SG18 and SG20)

PLEASE READ ENTIRE INSTRUCTIONS CAREFULLY BEFORE PROCEEDING

Four Easy Steps:

If you need additional assistance, call 905-876-4766 Monday to Friday 8:30 a.m. to 5:00 p.m. Eastern Time.

- Before starting assembly, trim cover to clear the inside top edge of your pool. Recommended Solar Cover is 12 mil with round bubbles.
- Allow an extra 4" (10 cm) on cover length if installing the reel at mid-point or off-center.

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: Recommend Safety Glasses

- Portable drill (driver bit provided)
- Tape measure
- Pencil and Scissors

End Carton Parts List:

2 Wheels 2 Wheel Stops
2 Handles 2 Bearings
2 Plugs for 2 1/2" diameter tubes

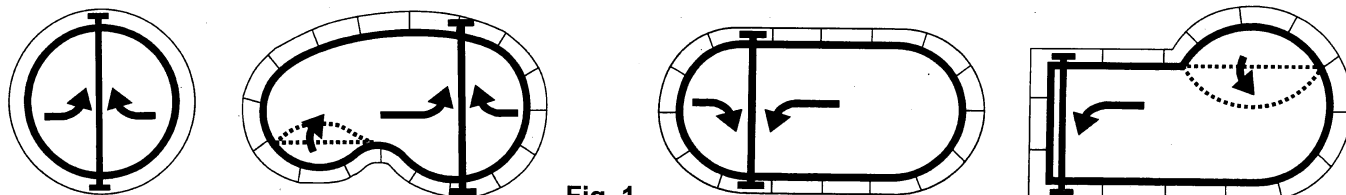
Hardware Kit: 20 Strap Plates
10 Straps 10 Plastic Screws
25 Self-drilling Metal Screws
1 Driver Bit

Tube Carton Parts List:

2 End tubes and 1 Center tube

STEP 1: SOLAR REEL PLACEMENT

- A. Determine the best location for the reel system. *The widest point of the pool is the preferred locations (see Fig. 1 below). Small cover extensions may be folded in to avoid using a wider reel.*
- B. At the determined location, measure the width of the pool and add 6" (15 cm).



Above-Ground
pools with deck

Fig. 1

STEP 2: TUBESET ASSEMBLY

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



Fig. 2

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

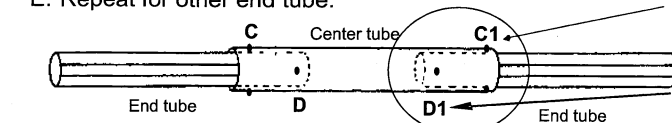
Tube	Min. Insert	Max. Width	Max. Wet Cover Weight	Max. Cover
18'	9"	18'6" (5.7 m)	60# (27.3kg)	18x36
20'	12"	20'6" (6.3 m)	60# (27.3kg)	20x40

Mill tubes tarnish over time. This does not affect tube integrity.

STEP 2: TUBE ASSEMBLY - (continued)

THIS STEP REQUIRES A TOTAL OF 12 SELF-DRILLING SCREWS **DO NOT** pre-drill holes or over-tighten screws.

- 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"** (see Fig. 3 & 4).
- Place 2 more self-drilling screws at Location "C2" & "C3" - 1 screw at every second drill line around tubes (see Fig. 3).
- 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 from Fig. 2A (see also Fig. 3).
- Repeat for other end tube.



Tubes Must be in Locked Position
Drill Lines **DO NOT** line up when tubes are locked
Fig. 3

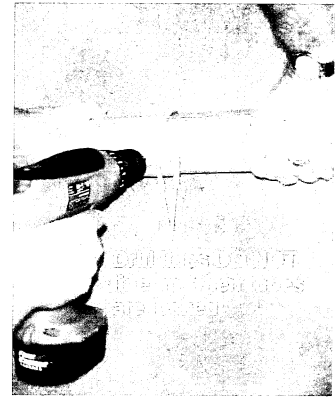
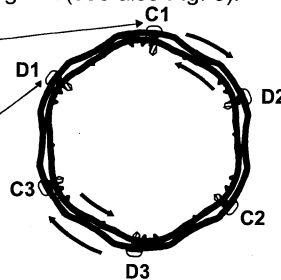


Fig. 4

STEP 3: ASSEMBLE ENDS

Assemble in numerical order (see Fig. 5)

- Insert Plug (#1) into End Tube.
- Place Bearing (#2) inside Wheel (#3).
- Push Handle (#4) through Bearing and into Plug.
- Insert 1 self-drilling screw (#5) through tube in line with bump on plug rim and 1" (2.5 cm) from tube end. (see Fig. 6).
- Repeat for other end.

IMPORTANT:

5. When ends are assembled insert screw through tube in line with bump on plug rim, 1" (2.5 cm) from tube end - at **BOTH** ends.



Fig. 6

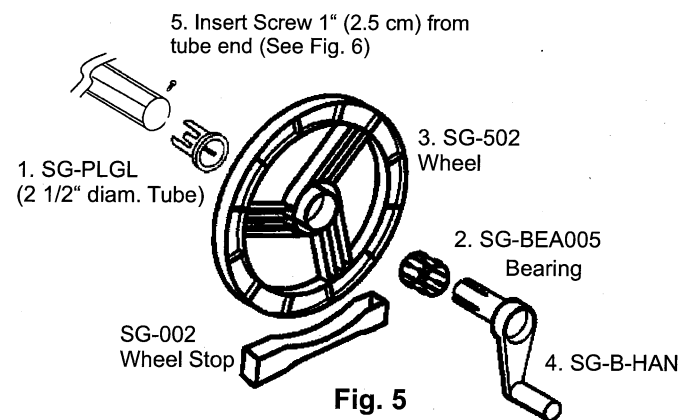


Fig. 5

STEP 4: STRAP ATTACHMENT

Attach a Strap Plate to **EACH** end of all Straps provided (see Fig. 7).

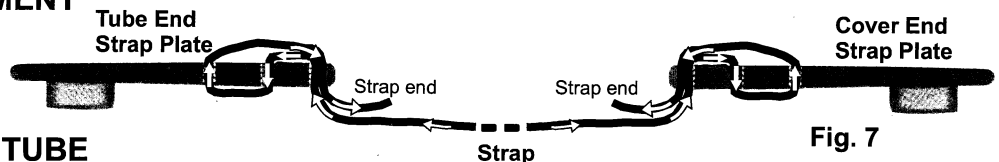


Fig. 7

STRAP ATTACHMENT - TO TUBE

- Mark strap plate location on tube drill lines. First strap plate is placed 6" (15 cm) in from inside edge of pool or at the start of the radius corner (see Fig. 8).
- Attach strap plates to the tube with metal screws (see Fig. 9). **DO NOT** pre-drill holes or over-tighten screw. Use all straps provided.

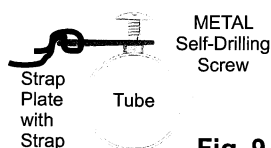
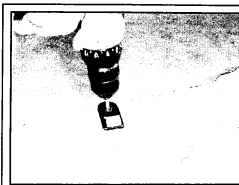
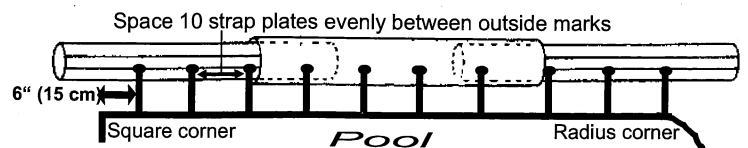


Fig. 9



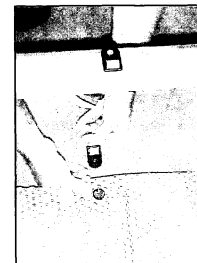
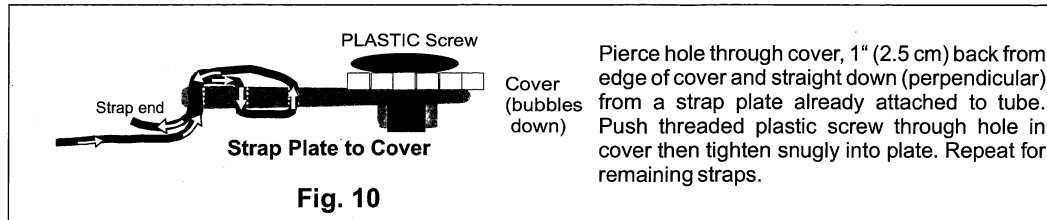
First strap plate is placed 6" (15 cm) in from inside edge of pool or at start of radius corner. Place system across widest point of pool if radius corners are greater than 6".

Fig. 8

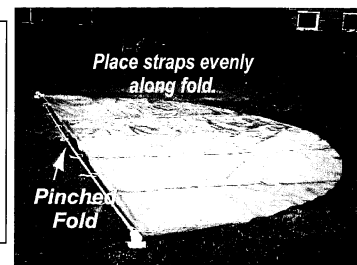
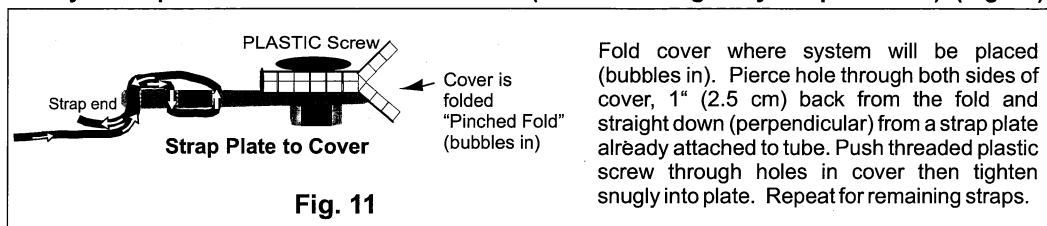
STRAP ATTACHMENT - TO COVER

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

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



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



- 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.

Warranty One Year:

SolarGuard warrants for a period of one year from the date of delivery to the original consumer purchaser, that the *SolarGuard* solar cover reel system shall be free from defects in workmanship or material, under normal use and in accordance with *SolarGuard's* written installation and use instructions. *SolarGuard* 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 one 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. *SolarGuard* 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.

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

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

Specifications subject to change without notice.

1/08

**Thank you for buying the *SolarGuard* Solar Cover Reel System.
We know it will make solar cover handling easy for you.**



***SolarGuard* "One Year" Warranty Registration**

Please Print

PURCHASER: _____

ADDRESS: _____ CITY: _____

STATE/PROVINCE/COUNTRY: _____ ZIP/POSTAL CODE: _____

SolarGuard

MODEL #

STORE LOCATION

PURCHASE DATE