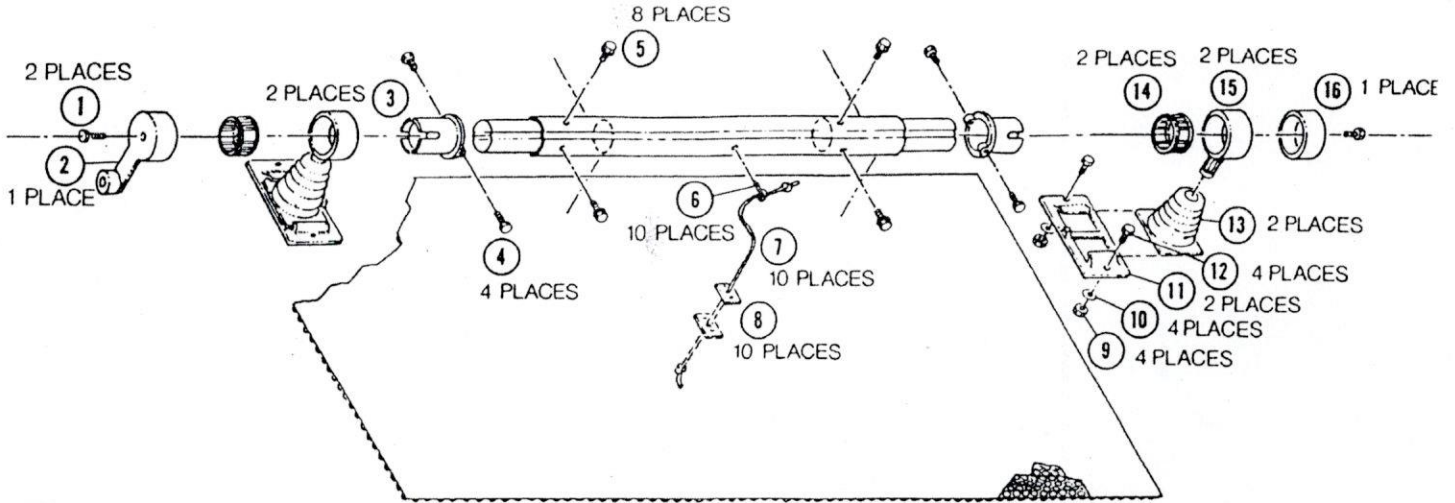


# THE ELITE REEL SYSTEM

## HV-18 / HV-24 / HV-28 Assembly and Operation Instructions

- \*\* HV-18 - For Aboveground Pools up to 18' Width \*\*
- \*\* HV-24 - For Aboveground Pools up to 19' to 24' Width \*\*
- \*\* HV-28 - For Aboveground Pools up to 25' to 28' Width \*\*

(SEE SPECIAL INSTRUCTIONS FOR HV-28 INSIDE)



### TOOLS REQUIRED

- |   |   |                         |
|---|---|-------------------------|
| 1a. Power Drill   | 2. Hex Socket Wrench with<br>7/16" Hex Socket | 3. Phillips Screwdriver |
| 1b. Metal Cutting Drill Bits<br>1/8", 1/4", 5/32", 1/2" |   | 4. Magic Marker Pen     |

### HV-18/24/28 PARTS LIST

PART DESCRIPTION	PART #	QTY.	PART DESCRIPTION	PART #	QTY.
1. Handwheel Screw (1-1/4)	3054	2	9. Base Mount Nut	3052	4
2. Handcrank (w/knob)	2015	1	10. Base Mount Washer	3053	4
3. End Cap	2002	2	11. Base Mount	2012	2
4. End Cap Screw (3/4")	3055	4	12. Base Mount Bolt	3051	4
5. Neoprene Tube Fastener	3056	8	13. HV-18/24/28 Base	2010	2
6. Tube Eye Screws	3050	10	14. Bearing (L)	2006	2
7. 2 Ft. White Cord	5004	10	15. Yoke	2011	2
8. Cord Plate (Set)	2008	10	16. Yoke Cap	2013	1

### PARTS UNIQUE TO EACH SYSTEM

HV-18			HV-24			HV-28		
Description	Part#	Qty.	Description	Part#	Qty.	Description	Part#	Qty.
17. 7'0" Tube (O)	3004	1	17. 8'11" Tube (O)	3006	1	17. 94" Tube (O)	3008	2
18. 7'0" Tube (I)	3003	2	18. 8'11" Tube (I)	3005	2	18. 94" Tube (I)	3007	2

## I. PLACEMENT OF REELS

Round Pool: Install reel in the center of your pool.  
Oval Pool: Install reel near the end of pool before radius.

NOTE: Make certain there is a flat surface on the top rail and that there is no obstruction under top rail to prevent mounting the base mount.

## II. DETERMINING TUBE LENGTH

### NOTES:

A) Both lengths of "A" should always be equal, and never exceed the following:

HV-18	HV-24	HV-28
5'10 1/2"	7'11"	6'11 1/2"

B) If your pool is less than 13' wide, you must cut the inner tube with hacksaw to shorten its length.

1. Measure your pool's width. From inside edge of pool's top rails.
2. Place sections #1 & #3 into section #2. Slide sections #1 & #3 out to the desired TOTAL tube length.

(Total tube length is usually the pool width + 9")

## III. ASSEMBLY OF TUBING

(Refer to Diagram #2)

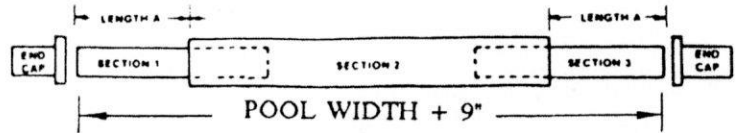
1. To fasten tubing, you must always use Section #2 for measurements. Measure 3" from the left end of Section #2, and mark on tube. Use power drill and a sharp 1/2" metal drill bit. Using the groove in the center of tube for reference, drill a hole through section #2 and section #1. Place tube neoprene fastener into the hole. Use a hex socket wrench with 7/16" socket and tighten hex head bolt down completely. (Refer to Step #1/Diagram #2)
2. Rotate tubes 90 degrees, measure 10" from left end of section #2. Drill hole through section #2 and section #1, place tube neoprene fastener into hole and tighten completely. (Refer to Step #2)
3. Rotate tubes another 90 degrees, measure 3" from left end of section #2. Drill hole through section #2 and section #1, place tube neoprene fastener into hole and tighten completely. (Refer to Step #3)
4. Rotate tubes another 90 degrees, measure 10" from left end of section #2. Repeat directions of Step #2.
5. Go back to all the tube fasteners and re-tighten.
6. To fasten Section #2 and Section #3 together, take measurements from right end of section #2, then follow steps #1-5.

## IV. ATTACH END CAP

(Refer to Diagram #3)

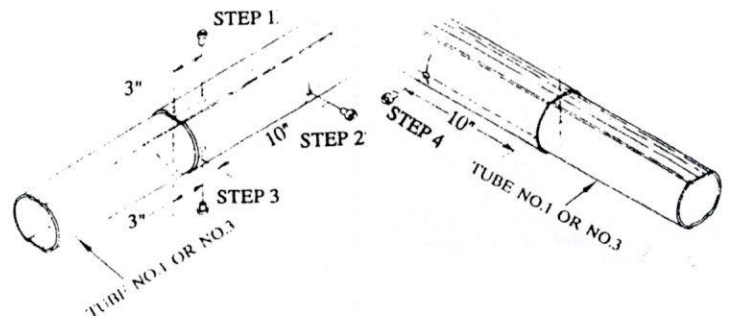
1. Place End Cap (Part #2002) on end of section #1. Make sure end cap inserts line up with indentions of tubing. Using the end cap pre-drilled hole as a guide. Use power drill and 5/32" drill bit. Drill hole thru tube and fasten End Cap screw (Part #3005). Tighten screw down. Drill only 1 hole per End Cap. **DO NOT DRILL BOTH HOLES OF THE END CAP.** The 2nd hole is a spare, and is there for your convenience. To fasten End Cap to section #3 repeat previous directions.

### DIAGRAM #1

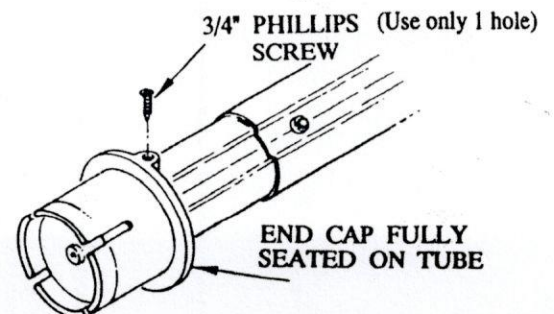


NOTE: FOR THE 28' REEL, THE 94' OUTER TUBES BUTT IN THE CENTER

### DIAGRAM #2



### DIAGRAM #3



#### V. DRILL HOLES FOR TUBE EYE SCREWS

(Refer to Diagram #4)

1. Measure 8" from end cap in towards the center of tube. Mark tube with magic marker. Do this on both sides of tubing.
2. Mark 8 equally spaced marks on the tube. (Diagram #4). Always mark in a straight line.
3. With power drill and 1/8" bit, drill a hole at each marked space.
4. Insert tube eye screw and tighten down. (DO NOT OVER-TIGHTEN)

#### VI. INSTALLING BASE MOUNT/HANDWHEEL/YOKE CAP

(Refer to Diagrams #5, #6, #7.)

1. Place each base mount onto top rail (The "STOP" should be positioned toward the pool).
2. Place bearing over end cap and insert into Yoke (Diagram #6).
3. Slide yoke into top of base and slide base into base mount until it hits "STOP".
4. Place handwheel onto end cap and secure with 1-1/4" handwheel screw.
5. Place Yoke Cap onto other end cap and secure with 1-1/4" handwheel screw. Always place the Handcrank on the most convenient side for cover rollup.
6. Place reel and base mounts onto top rail. This verifies the tubing is wide enough. Use magic marker and mark base mount holes.
7. With power drill and 1/4" bit drill 2 holes, using base mount as guide. Make sure base mounts are straight.
8. Insert 1" hex head base mount bolt into hole, place washer and nut under top rail. Tighten down with 7/16" hex socket. (Do both sides).

#### VII. ATTACHING THE SOLAR COVER TO REEL

(Refer to Diagram #8, #9.)

1. Your cover should be on the pool and the cover should be trimmed to inside of pool's top rail.
2. With a magic marker, place a mark at each edge of the cover directly below the tube.
3. Remove cover from pool and lay out on flat ground.
4. With a magic marker, draw a straight line between the two marks on the cover.
5. Roll cover up until you reach the drawn line.
6. Measure in 8 inches from each side of cover, and place a cross mark on the line.
7. From this position, take the measurement used between the first tube marks. (Diagram #8) and space cross marks down the line to the second 8 inch measurement.

#### VIII. ATTACHING THE CORD PLATES

(Refer to Diagram #10.)

1. Take one set (male and female) of the cord plates and place the female plate over the first cross, 8 inches from the cover edge. Make sure the center hole is placed above the cross. (Refer to Insert in Diagram #8).

DIAGRAM #4 TUBE SECTIONS

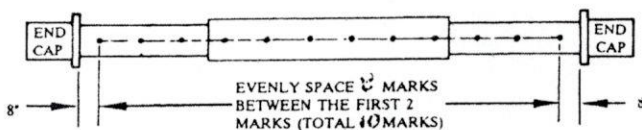


DIAGRAM #5

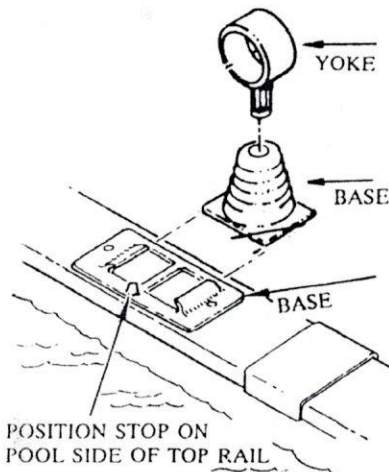


DIAGRAM #6

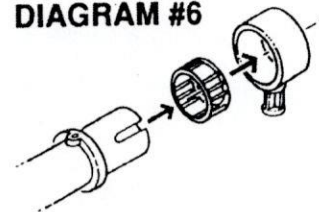


DIAGRAM #7

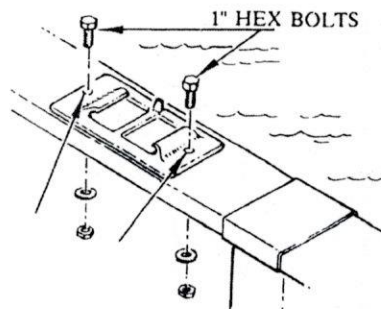


DIAGRAM #8

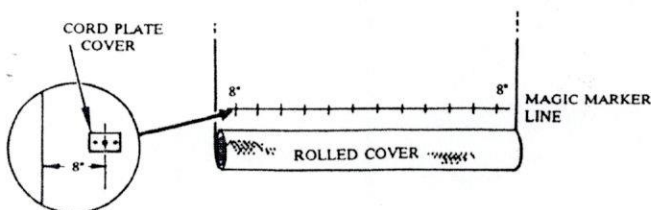
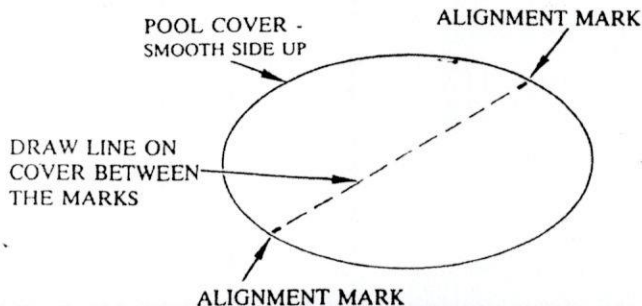


DIAGRAM #9



## I. PLACEMENT OF REELS

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## II. DETERMINING TUBE LENGTH

### NOTES:

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HV-18	HV-24	HV-28
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(Total tube length is usually the pool width + 9")

## III. ASSEMBLY OF TUBING

(Refer to Diagram #2)

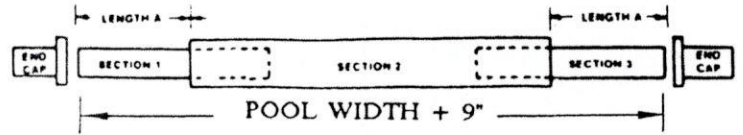
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5. Go back to all the tube fasteners and re-tighten.
6. To fasten Section #2 and Section #3 together, take measurements from right end of section #2, then follow steps #1-5.

## IV. ATTACH END CAP

(Refer to Diagram #3)

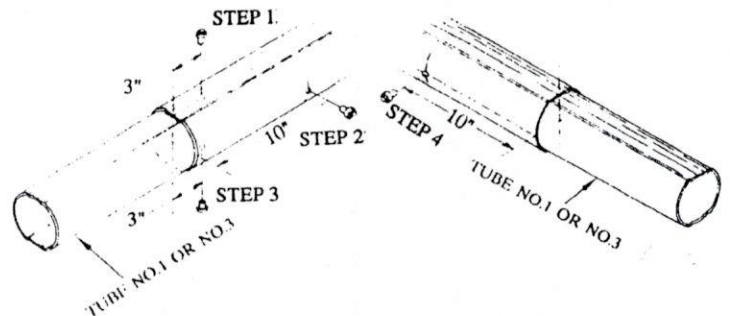
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### DIAGRAM #1

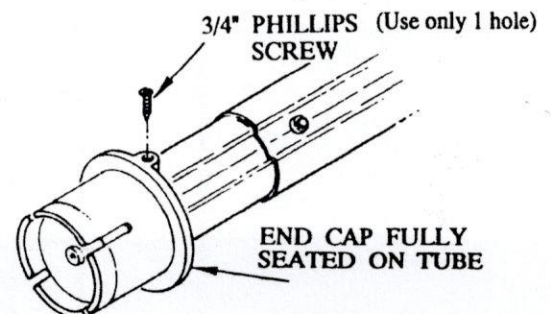


NOTE: FOR THE 28' REEL, THE 94' OUTER TUBES BUTT IN THE CENTER

### DIAGRAM #2



### DIAGRAM #3



# ELITE REEL SYSTEMS

## 2 YEAR WARRANTY REGISTRATION

To insure product guarantee, complete and mail this card within 30 days of purchase.

Purchaser: \_\_\_\_\_ Purchased From: \_\_\_\_\_  
 Date of purchase: \_\_\_\_\_ Telephone: \_\_\_\_\_  
 Address: \_\_\_\_\_ Type of Reel (Circle) Aboveground  
 City/State: \_\_\_\_\_ Model # (Circle) HV-18 HV-24 HV-28

I have read the manufacturer's installation and Use Instructions on the reverse side of the Limited Warranty, and I understand said instructions must be adhered to, or the warranty may be invalidated.

Purchasers Signature: \_\_\_\_\_

1/1/2015

### ELITE REEL SYSTEMS - 2 YEAR LIMITED WARRANTY

Your new Elite Reel System is guaranteed by the manufacturer to be free of defects in material and workmanship under normal use in accordance with manufacturer's installation and Use Instructions. All reels shipped from manufacturer on a warranty claim will be freight collect. This warranty does not apply to damage resulting from accident, misuse or abuse of the product, or alteration or modification of the product after your purchase.

To file a claim contact: HORIZON VENTURES, P.O. BOX 513, DEERFIELD, IL 60015, ATTENTION: WARRANTY DEPARTMENT  
 Email Address: hvwarranty@yahoo.com

### EXCLUDED FROM THIS WARRANTY ARE: Cord Plates, 2' Cord

THIS WARRANTY IS IN LIEU OF ALL OTHER EXPRESS WARRANTIES, REPLACEMENT OF DEFECTIVE PRODUCTS AS PROVIDED UNDER THIS WARRANTY IS YOUR EXCLUSIVE REMEDY. THE MANUFACTURER WILL NOT BE LIABLE IN CONTRACT OR TORT FOR ANY DIRECT CONSEQUENTIAL, SPECIAL OR INCIDENTAL LOSS OR DAMAGE ARISING OUT OF THE USE OF INABILITY TO USE THIS PRODUCT.

Some states do not allow the exclusion or limitation of incidental or consequential damages so the above limitation may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which may vary from state to state.

### TERMS OF GUARANTEE

This reel system comes with a 2 year limited warranty. 1 year full, 1 year prorated. From the date of purchase, should the reel exhibit defects per the above limitations, the original purchaser shall pay only the following percent of the manufacturers suggested list price to receive  
 1st Year - FREE REPLACEMENT 2nd Year - 80%

### ELITE REEL SYSTEMS

We recommend contacting your local pool dealer/serviceman for your replacement parts. However, if you are unable to obtain HV-18/24/28 parts in a timely manner, you may order directly from the factory. Allow 2-3 weeks for delivery.

### HV-18/24/28 REPLACEMENT ORDER FORM

PART #	DESCRIPTION	QTY	PRICE	TOTAL
2010	HV-18/24/28 Base (White)		\$24.00	
2002	End Cap		\$24.00	
2015	Handcrank (with Knob) (White)		\$27.00	
2006	Bearing (L)		\$16.50	
2008	Cover Plate (Set) (10 Sets/Reel)		\$1.25/Set	
2011	Yoke		\$24.00	
2012	Base Mount (White)		\$12.00	
2013	Yoke Cap		\$14.00	
7011	Cover Kit (ABGD KIT) Contains: 10 each Part 2008, 5004, 3050		\$24.00	
3056	Tube Fastener (Bolt with neoprene collar)		\$2.50	
	SHIPPING & HANDLING		\$8.00	\$8.00

Name: _____		
Address: _____		
City: _____	State: _____	Zip: _____
Phone: ( ) _____		

SALES TAX:	
TOTAL:	

Minimum Parts Order \$10.00  
 Send your check to: HORIZON VENTURES  
 P.O. Box 513, Deerfield, IL 60015

FOR HV 28

II - DETERMINING TUBE LENGTH

2.) Place section step (1) inner tube into section step (2) outer - section (step 3) goes into section step(3) (short tube) inner tube

Section (4) outer tube goes into section

