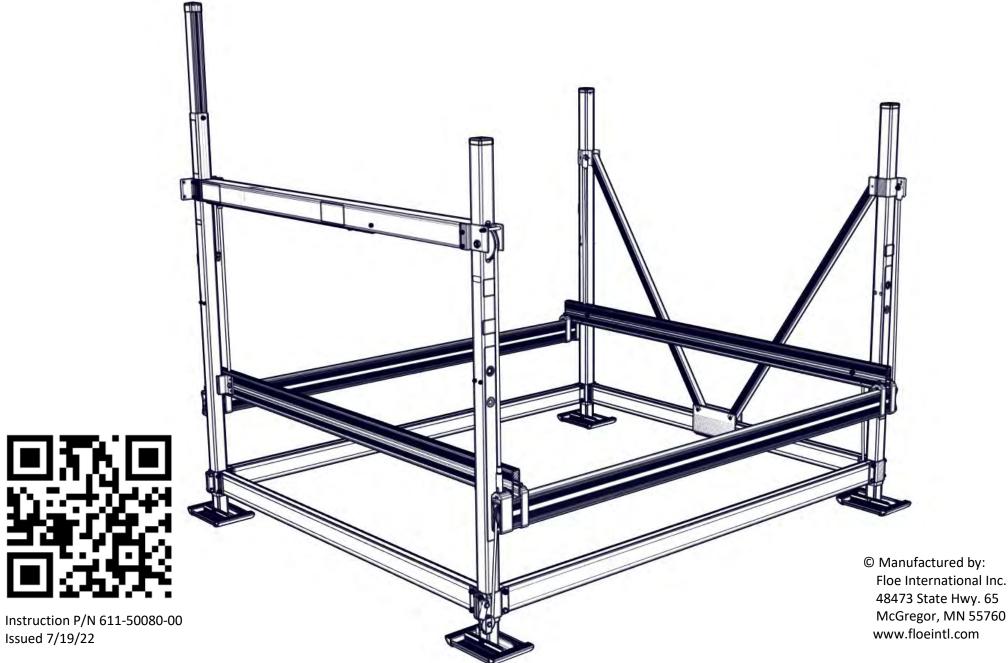
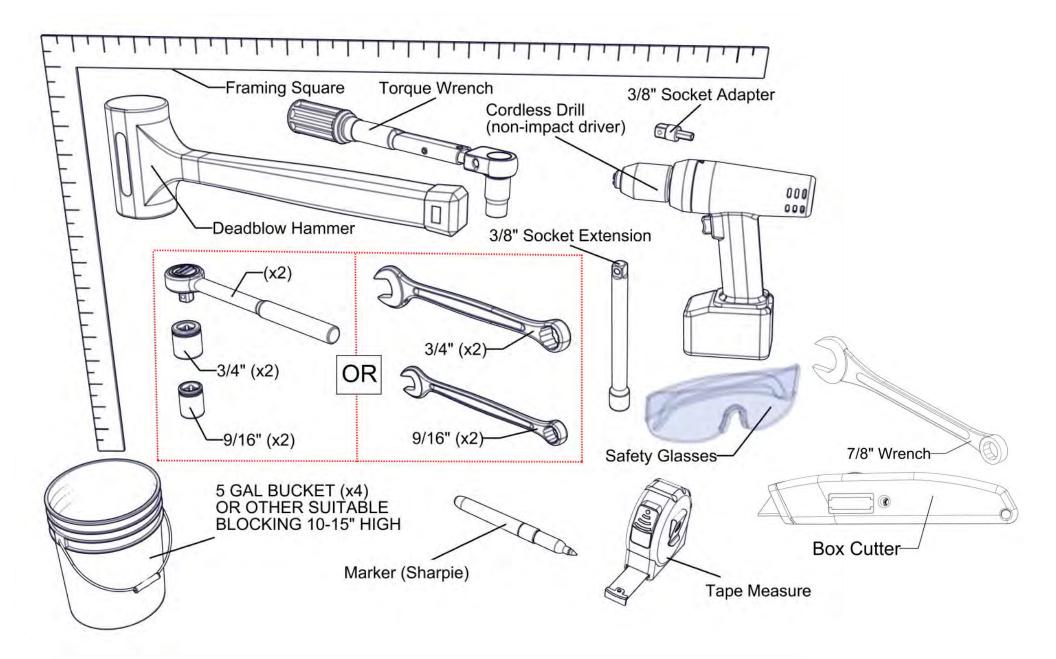
FLOE VSD 5000 119" BOAT LIFT

P/N 511-50080-00 LIFT FRAME WITH PATENTED EASY LEVEL LEG SYSTEM ASSEMBLY INSTRUCTIONS





Required Tools



Hardware Card Contents

	Card Contents (511-04255-00)				
Step	Part Numbers	QTY	Descriptions	Torques	
	001-70215-00	6	HHCS, 1/2-13 x 3" ss 18-8	60 ft. lbs.	
	001-70217-00	8	HHCS, 1/2-13 x 3 1/2" ss 18-8	45 ft. lbs.	
(1)	001-70210-00	8	HHCS, 1/2-13 x 1 3/4" ss 18-8	45 ft. lbs.	
	001-70219-00	2	HHCS, 1/2-13 x 4" ss 18-8	60 ft. lbs.	
	001-71023-00	48	FLAT WASHER, .5 ID x .75 OD ss		
	001-76072-00	24	NUT, 1/2-13 ALUMINUM NYLOCK		
	001-70218-00	4	HHCS, 1/2-13 x 3 3/4" ss 18-8	20 ft. lbs.	
(2)	001-76072-00	4	NUT, 1/2-13 ALUMINUM NYLOCK		
	001-76071-00	4	NUT, 3/8-16 ALUMINUM NYLOCK		
(3)	001-70115-00	2	HHCS, 3/8-16 x 3" ss 18-8	35 ft. lbs.	
	001-70117-00	2	HHCS, 3/8-16 x 3 1/2" ss 18-8		
	001-70124-00	2	HHCS, 3/8-16 x 5 1/2" ss 18-8	35 ft. lbs.	
	001-70127-00	1	HHCS, 3/8-16 x 7" ss 18-8	35 ft. lbs.	
(4)	001-76071-00	6	NUT, 3/8-16 ALUMINUM NYLOCK		
	001-70121-00	3	HHCS, 3/8-16 x 4 1/2" ss 18-8	35 ft. lbs.	
	001-70209-00	8	HHCS, 1/2-13 x 1 1/2" ss 18-8	45 ft. lbs.	
(5)	001-70245-00	1	HHCS, 1/2-20 x 1 3/4" ss 18-8	50 ft. lbs.	
	001-76350-00	8	NUT, 1/2-13 ALUMINUM		

			continued		
Step	Part Numbers	QTY	Descriptions	Torques	
	001-70211-00	4	HHCS, 1/2-13 x 2" ss 18-8	45 ft. lbs.	
	001-76072-00	5	NUT, 1/2-13 ALUMINUM NYLOCK		
	001-70227-00	1	HHCS, 1/2-13 x 7" ss 18-8	45 ft. lbs.	
(6)	002-04140-00	1	HOLDER, CABLE		
	007-06201-00	1	SHEAVE, 3" FRONT CABLE 1/2" ID		
	001-70109-00	4	HHCS, 3/8-16 x 1 1/2" ss 18-8	10 ft. lbs.	
	001-71017-00	8	3/8" SAE FLAT WASHER		
	001-76071-00	4	NUT, 3/8-16 ALUMINUM NYLOCK	05 (1 11 -	
	001-70124-00	4	HHCS, 3/8-16 x 5 1/2" ss 18-8	35 ft. lbs.	
	001-76071-00	4	NUT, 3/8-16 ALUMINUM NYLOCK		

Assembly Image Definitions								
Smo &	Tighten without Clamping	Œ	Centerline					
1	Hardware Card #		Check, Inspect, Verify					

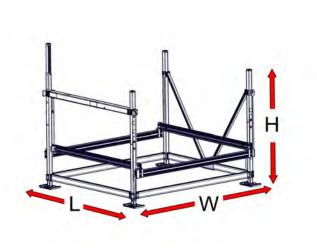
Warnings

IMPORTANT NOTE:
DO NOT USE IMPACT WRENCH
WHEN ADJUSTING THE EASY
LEVEL LEGS

Tips

- Torque nuts to specification, not bolts.
- Place parts and fasteners in designated locations prior to each step.
- Before tightening fasteners to specified torque, ensure that the lift is square.
- Measure from corner to corner (A to C/B to D) to verify that the lift is square.
- Measure distance between corner posts (A to B, B to C, C to D, A to D) above frame beam and at the top of the corner post to verify that the lift is square.
- Ensure that the lift is level and square before proceeding to install the V-Brace or Ball Screw Tube.
- Assemble cradle clamps with given bolt and nut before installing onto cradle beam.
- Use a marker to denote fasteners which have been tightened to the specified torque.
- Read instructions and understand them before attempting assembly.

Pre-Assembly Prep

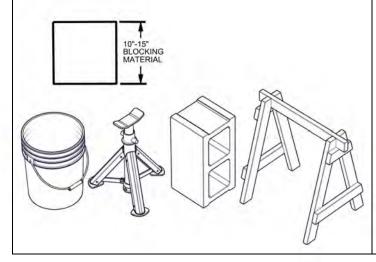


Lift Dimensions

Length: 114" Width: 135 3/8" Height: 120"

Work Space

Level work space Allow space to organize parts



Material

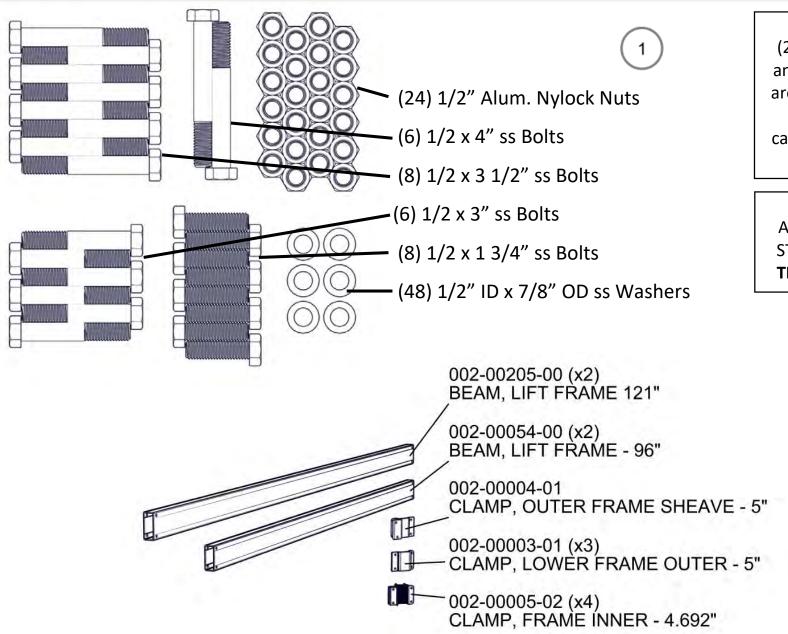
Blocking may be anything 10"-15" in height. (5 gallon bucket, jack stands, blocks, saw horses)

QTY

4 (2 for each side)

<u>Purpose</u>

Blocking used to support lift during assembly steps 1 and 2

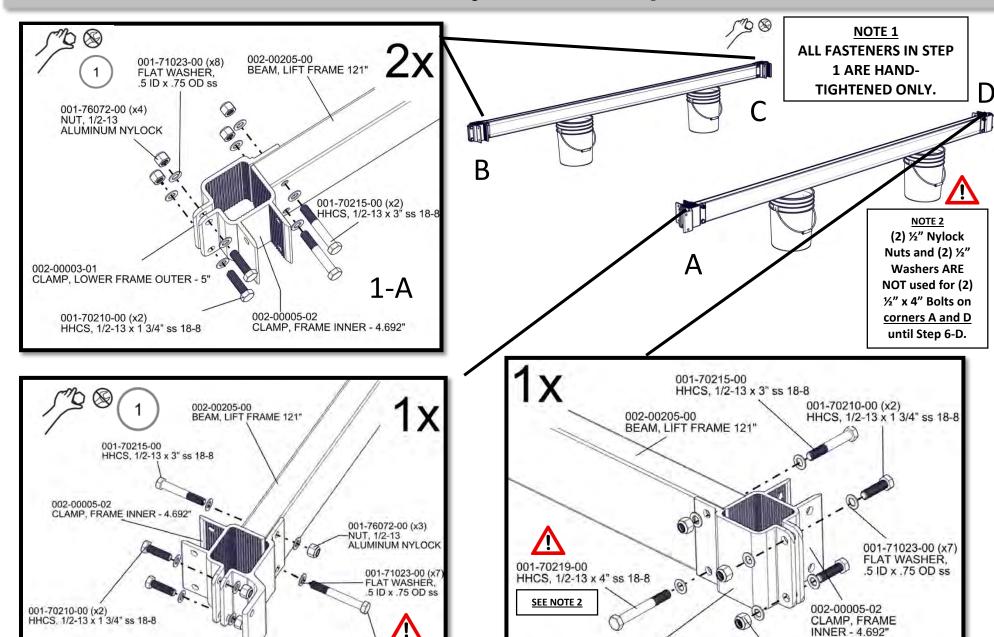


NOTE

(2) ½" Nylock Nuts and (2) ½" Washers are used in Step 6-D to attach lifting cables to (2) ½" x 4" Bolts.

NOTE

ALL FASTENERS IN STEP 1 ARE HAND-TIGHTENED ONLY.



CLAMP, LOWER FRAME OUTER - 5"

001-76072-00 (x3)

ALUMINUM NYLOCK

NUT, 1/2-13

001-70219-00

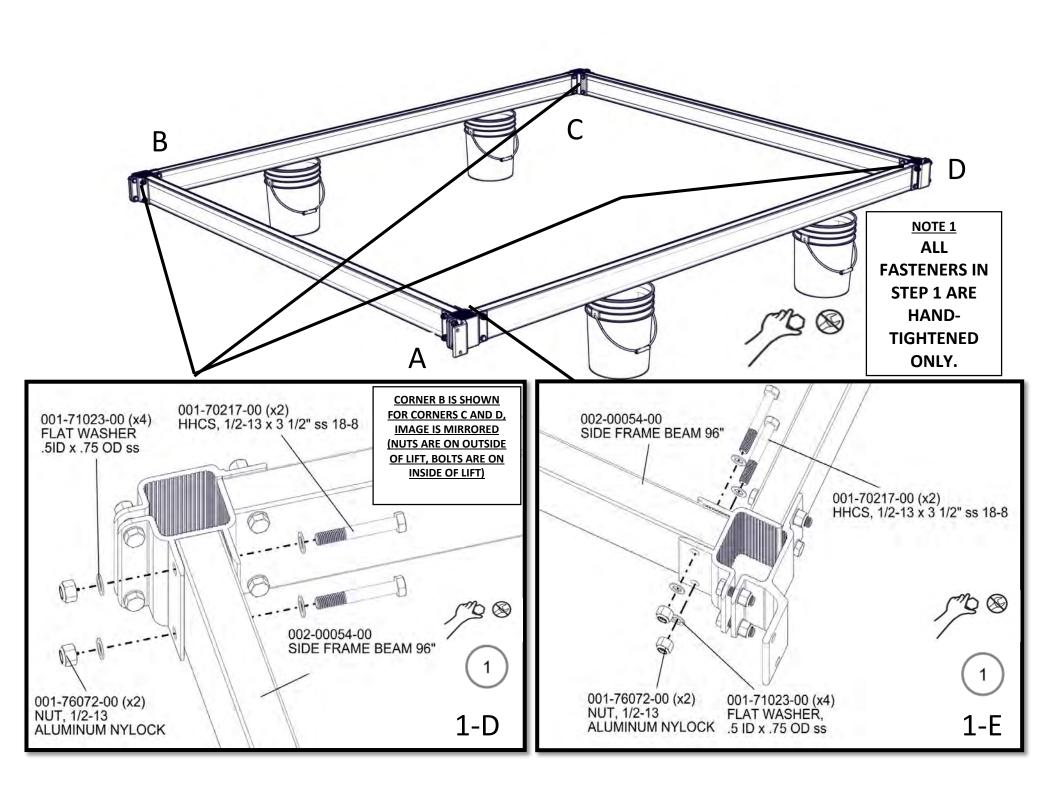
002-00004-01

1-B

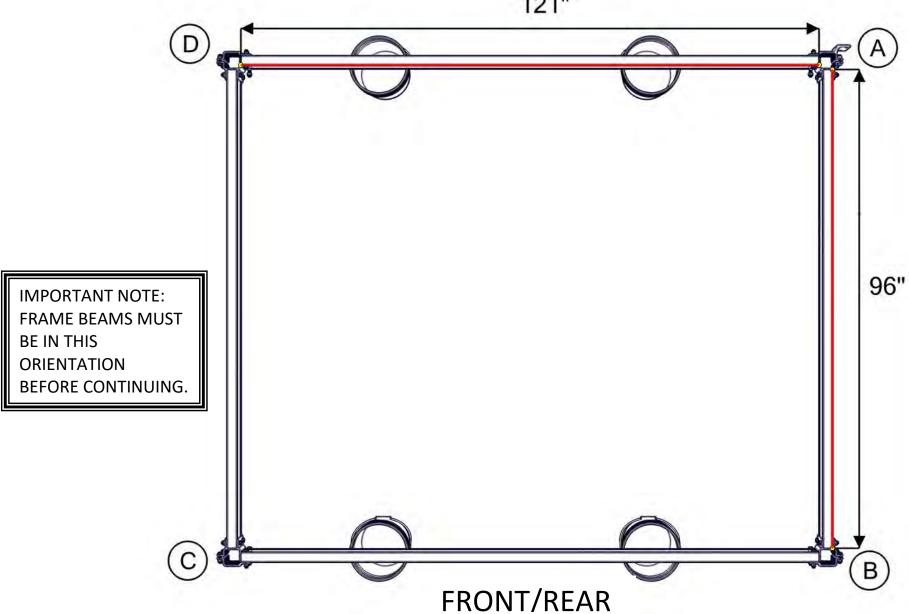
CLAMP, OUTER FRAME SHEAVE - 5"

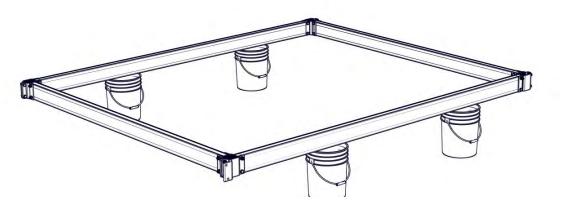
HHCS, 1/2-13 x 4" ss 18-8

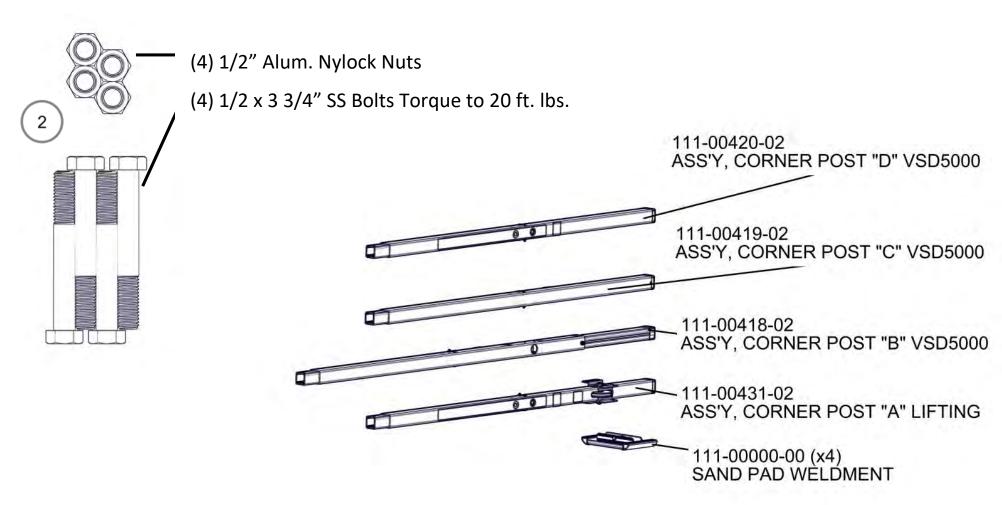
SEE NOTE 2

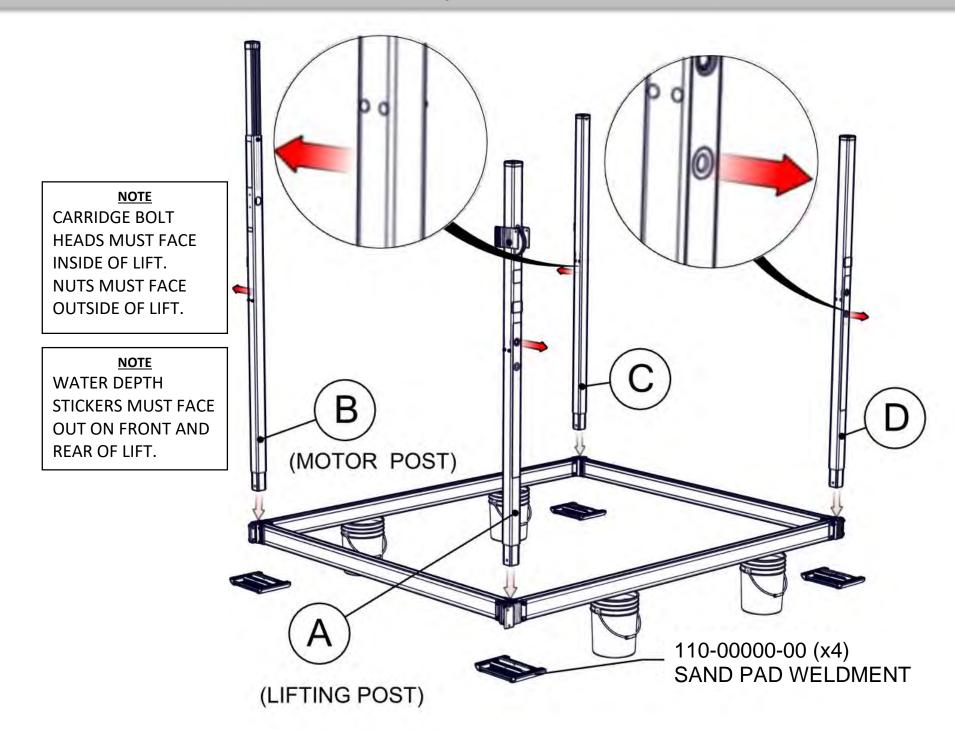


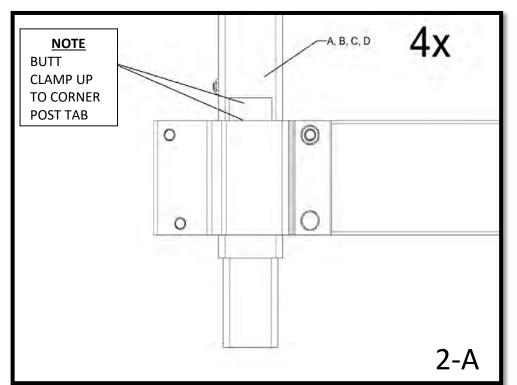
FRONT/REAR 121"

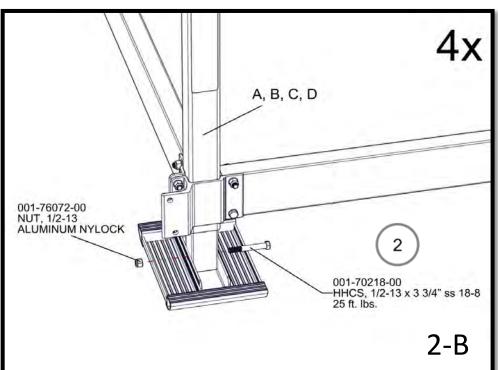


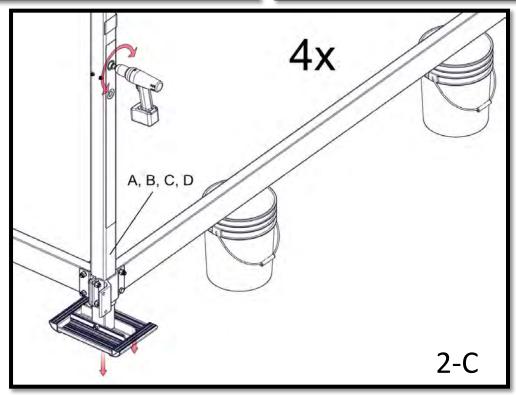




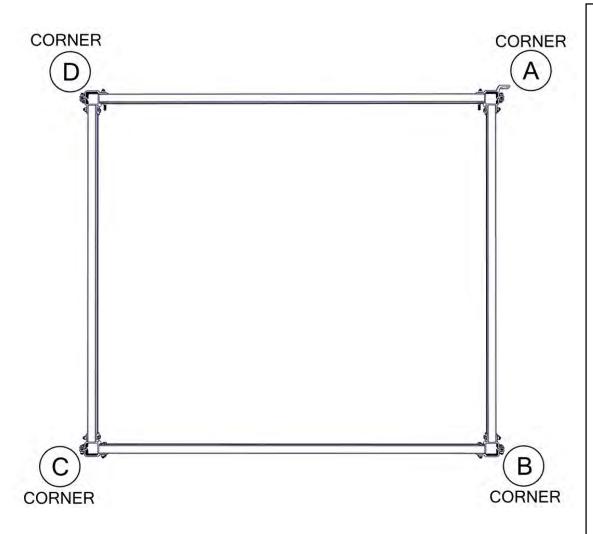








Frame Beam Clamp Torque Sequence



NOTE

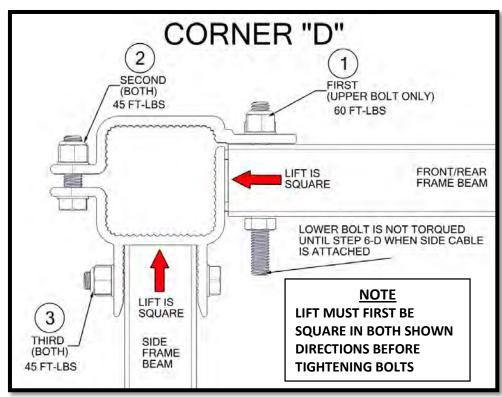
FRAME BEAM CLAMPS NEED TO BE TIGHTENED IN THE PROPER SEQUENCE.

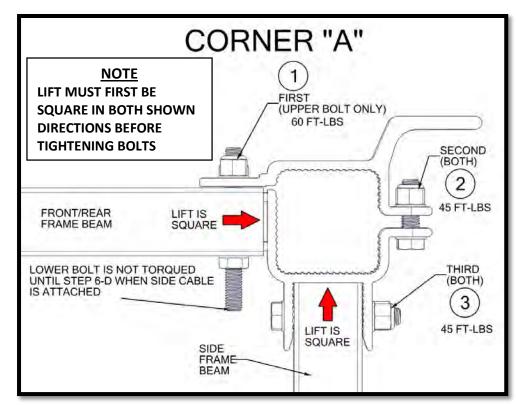
EACH CORNER IS SHOWN ON THE NEXT THREE PAGES WITH THE SEQUENCE OF WHICH ORDER THE BOLTS SHOULD BE TORQUED.

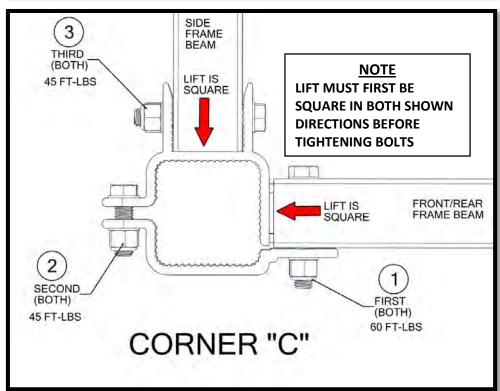
LIFT MUST BE SQUARE BEFORE ANY BOLTS ARE TORQUED.

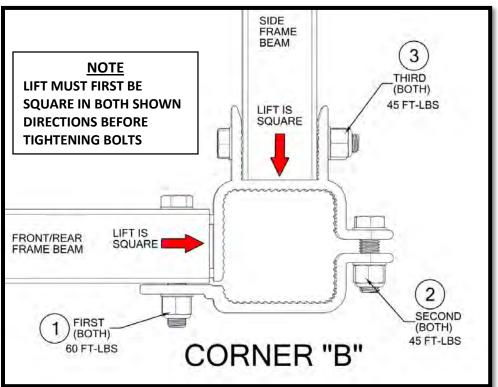
BOTH BOLTS IN THE SHOWN ORDER ARE TORQUED, UNLESS DENOTED (CORNER "A" & CORNER "D": ONLY ONE BOLT IS TORQUED. THE OTHER BOLT (LOWER) SHOULD NOT HAVE THE WASHER AND NUT PLACED ON THEM UNTIL STEP 6-D WHEN THE SIDE LEVELING CABLES ARE ATTACHED).

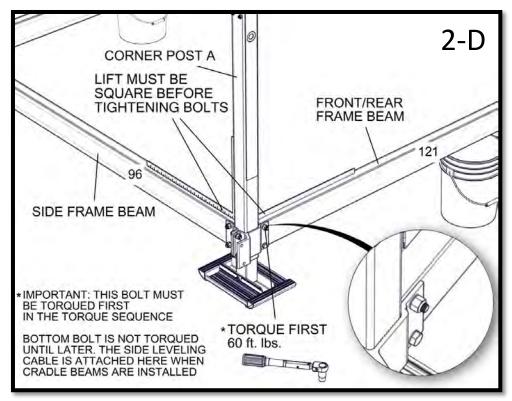
IF BOLTS ARE NOT TIGHTENED IN PROPER TORQUE SEQUENCES, FRAME BEAM CLAMPS WILL BE SEATED POORLY. THIS MAY RESULT IN POOR LIFT PERFORMANCE AND DAMAGE TO LIFT COMPONENTS.

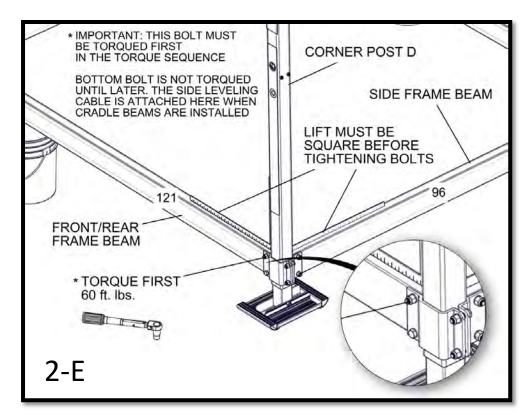


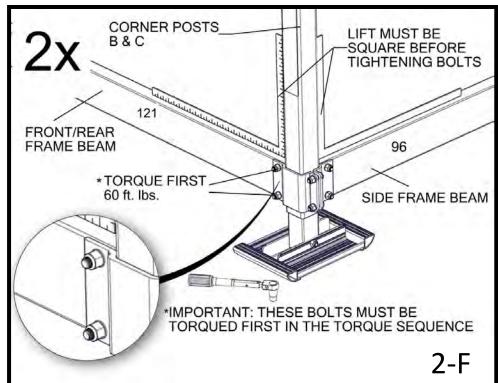


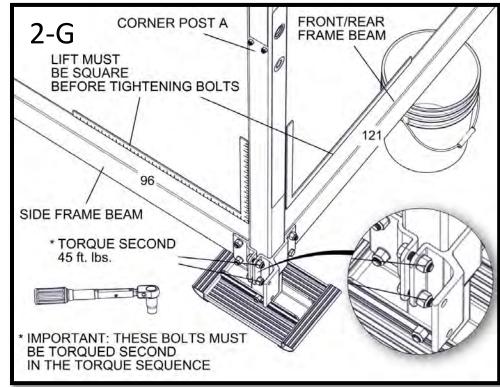


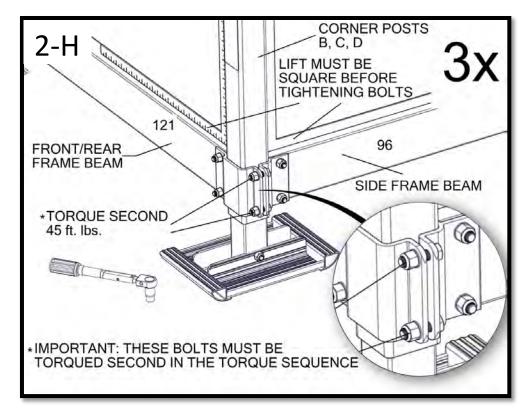


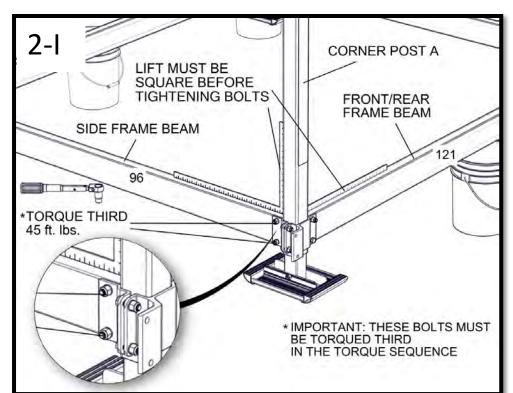


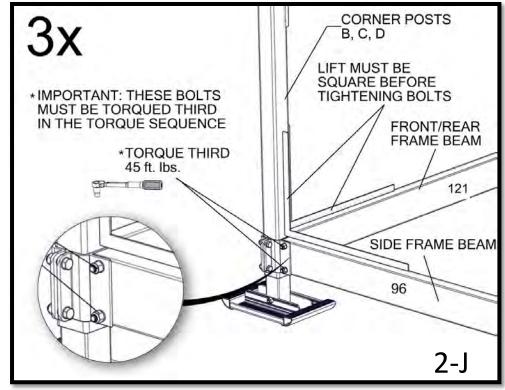


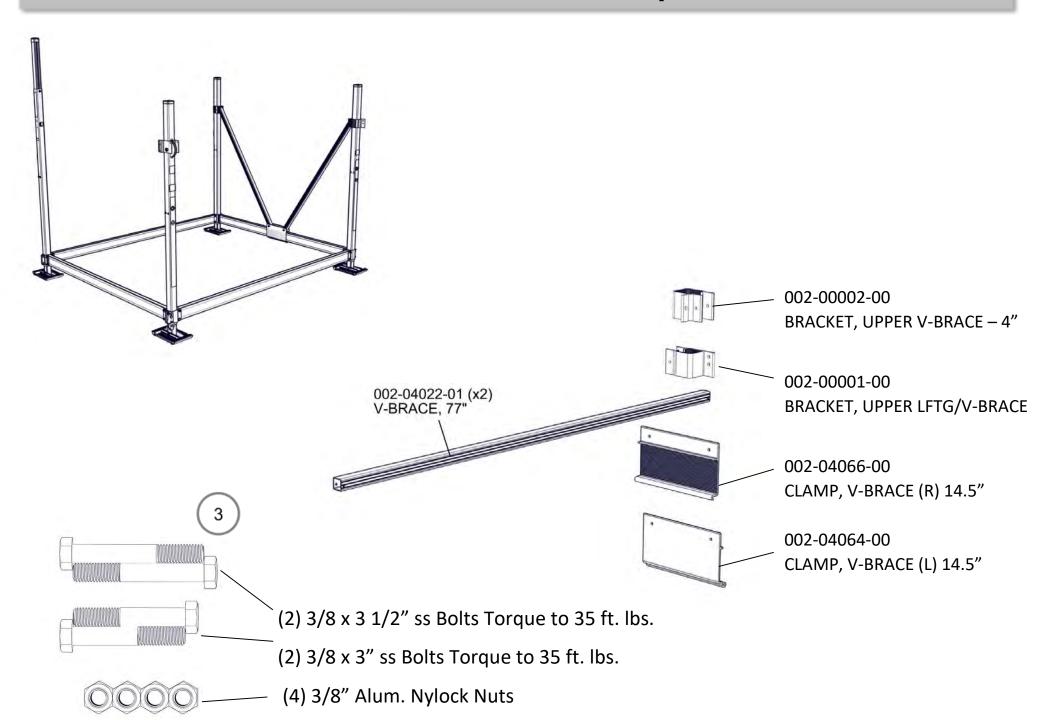


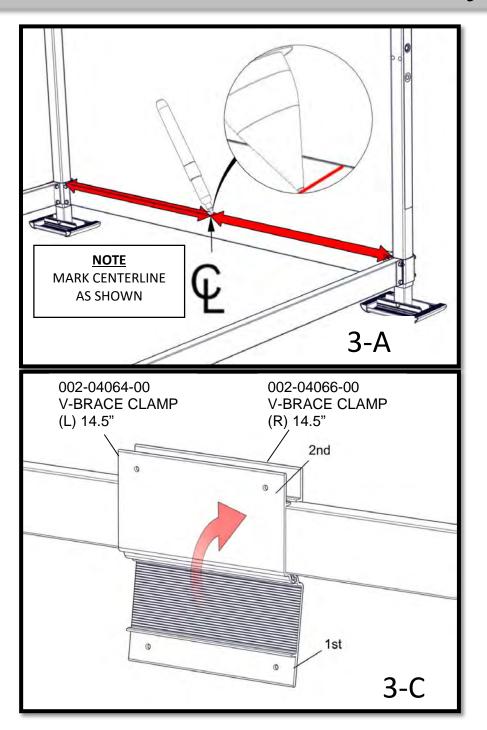


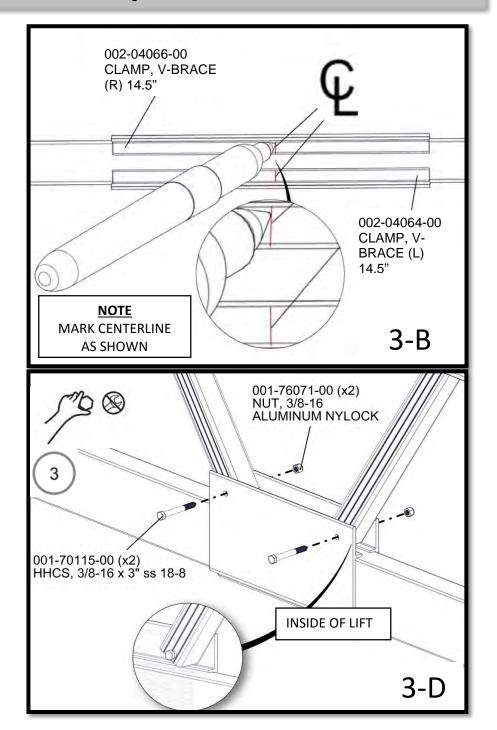


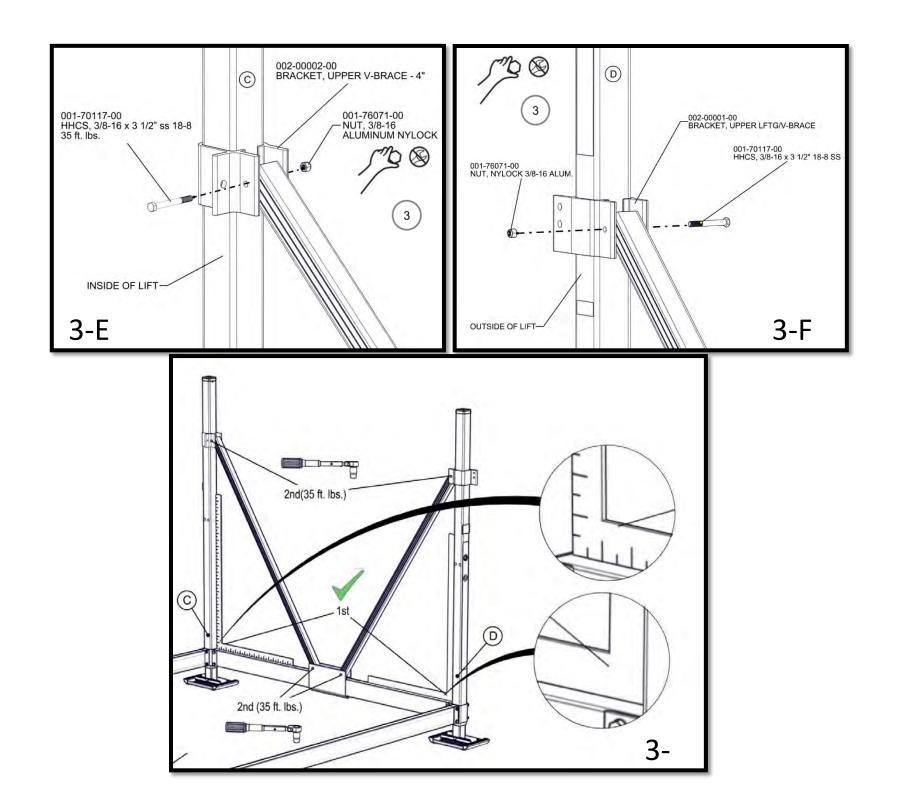


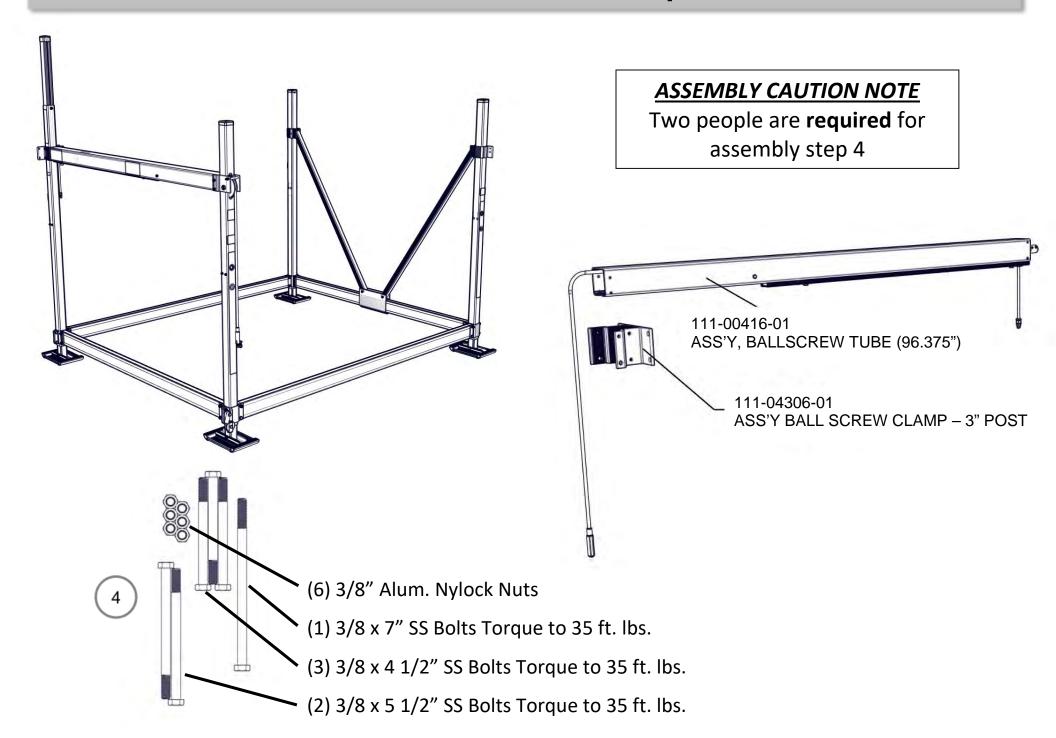


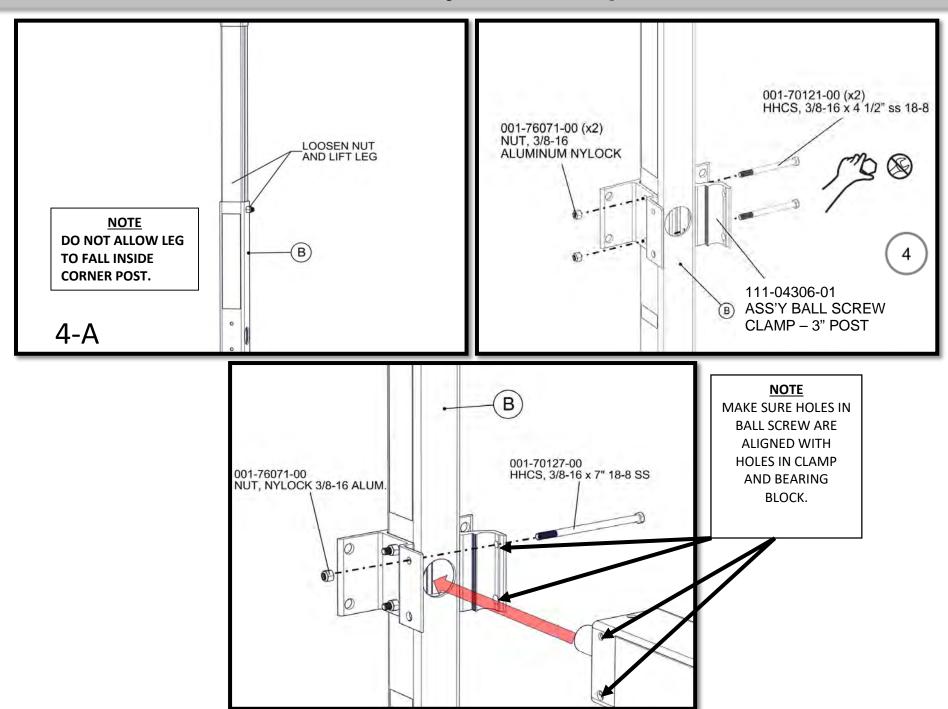


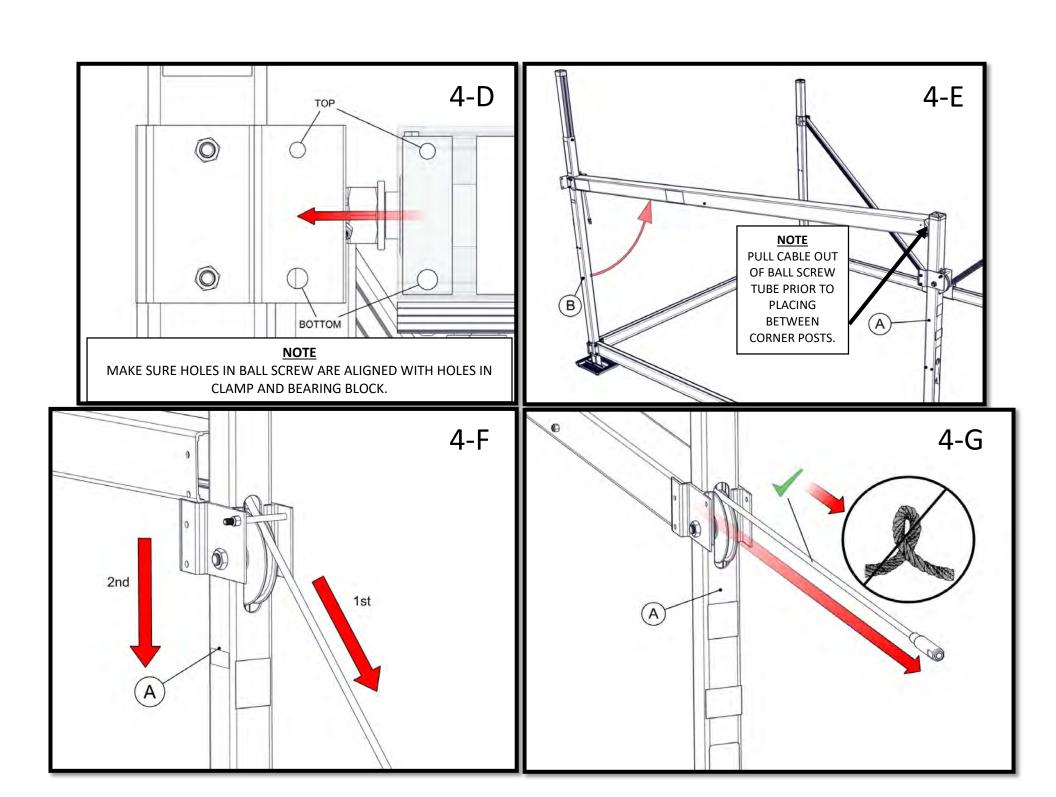


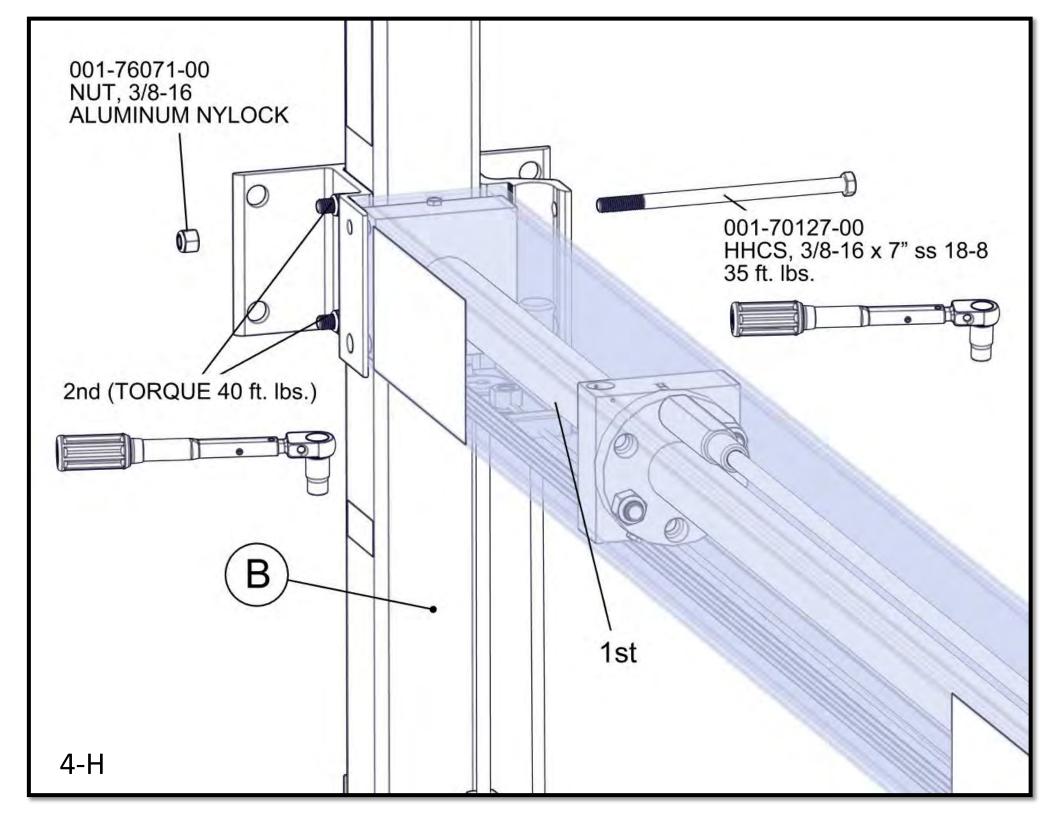


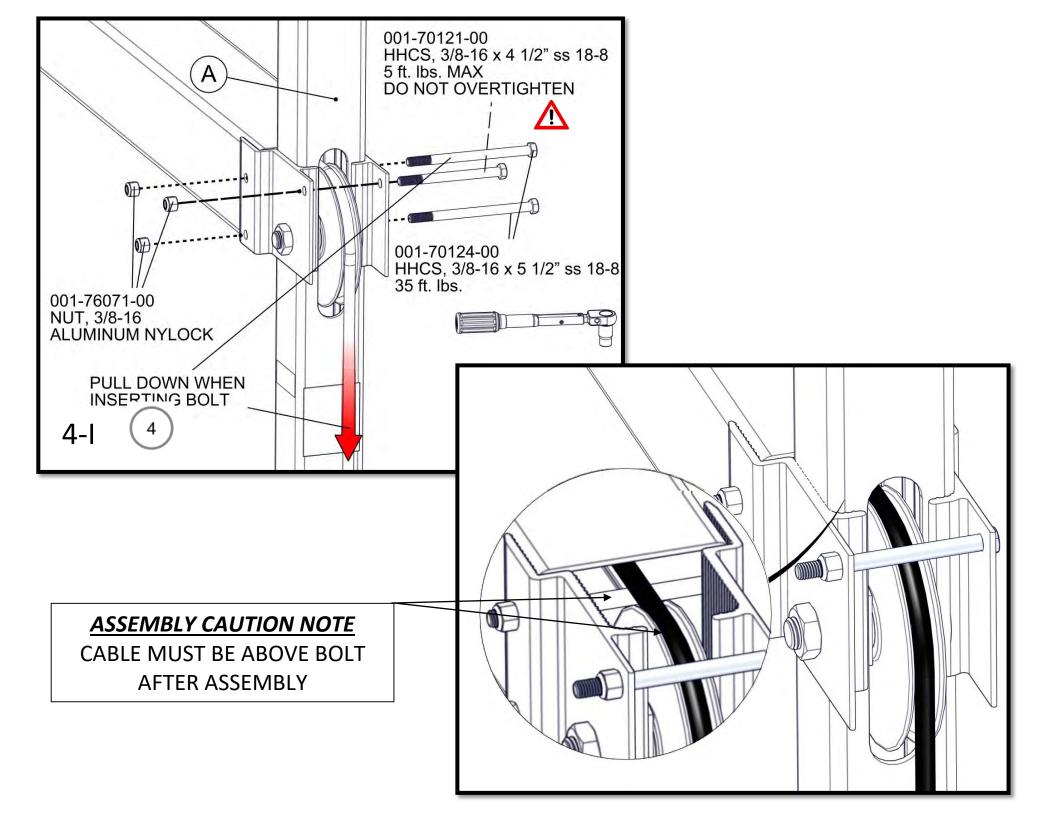


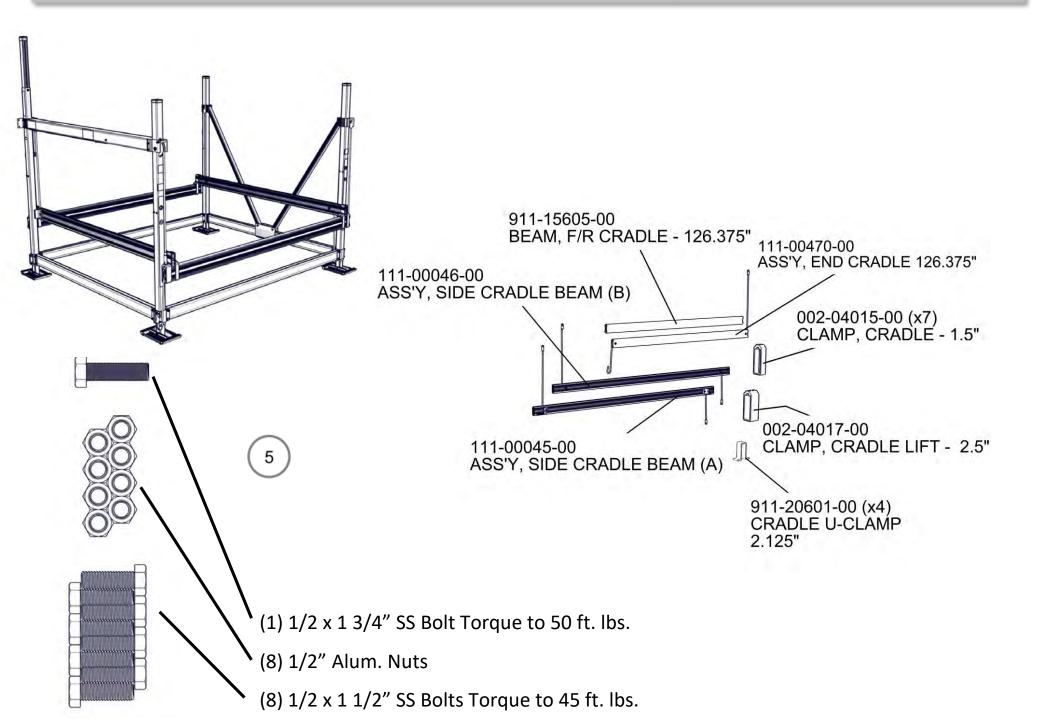


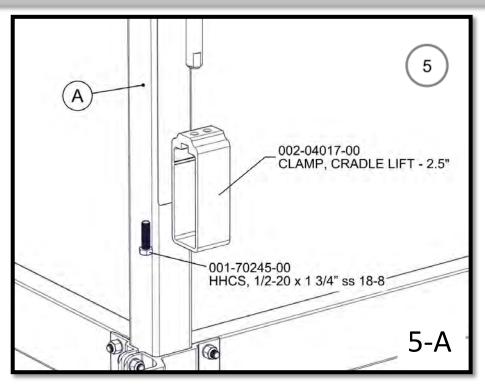


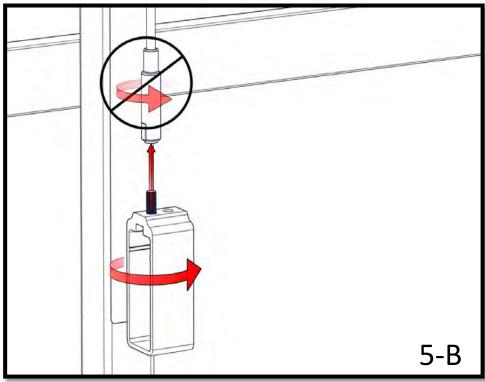


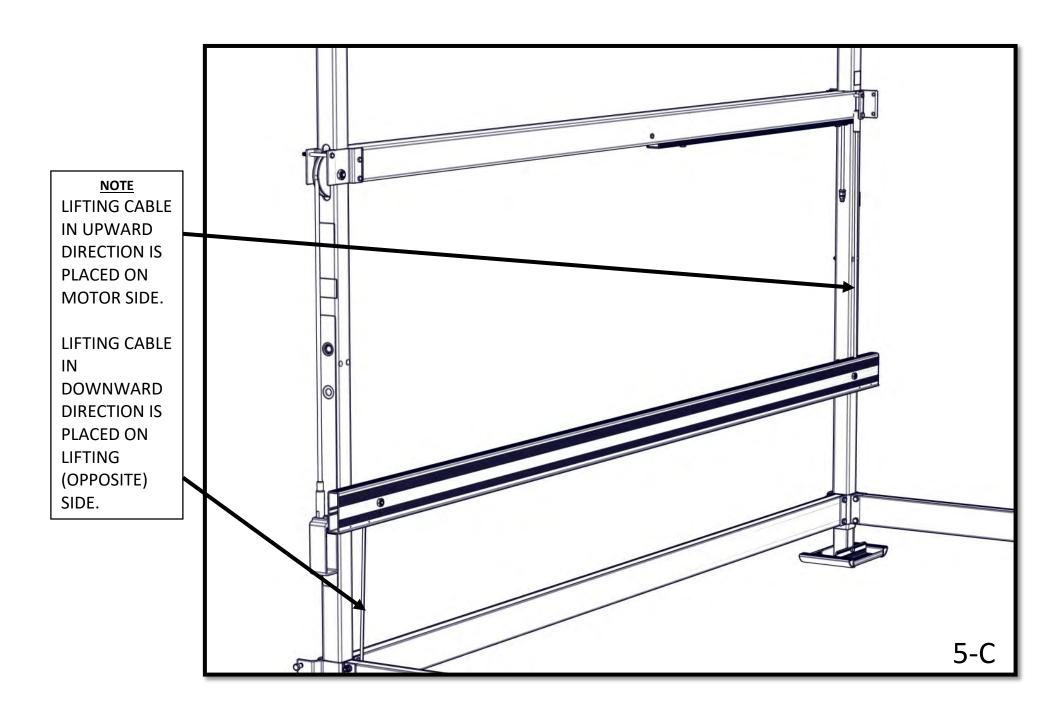


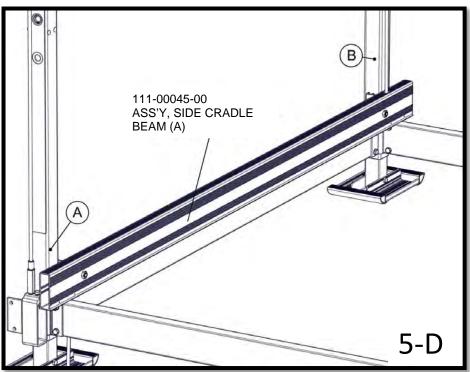


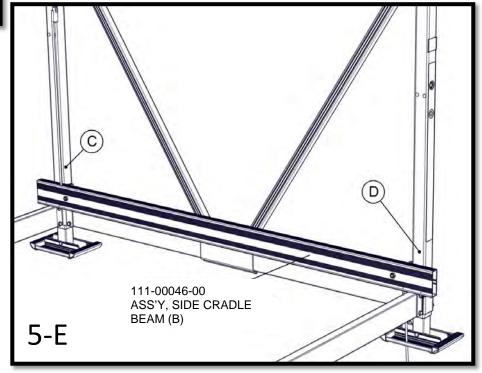


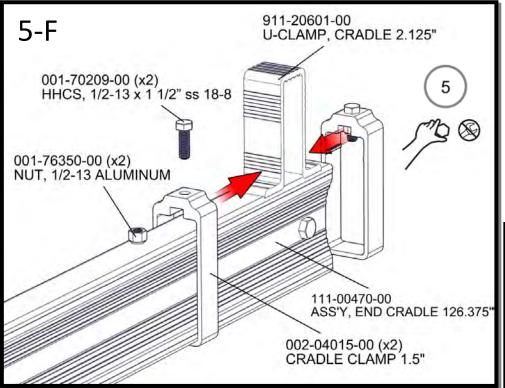


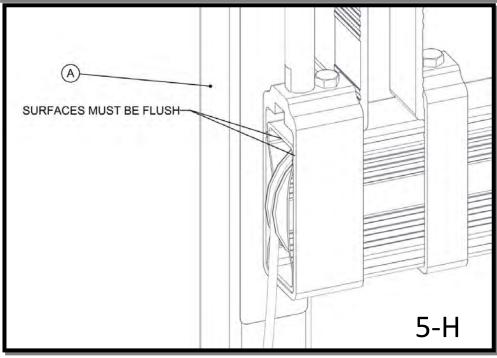


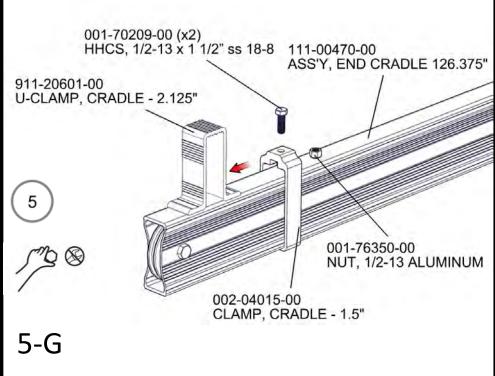


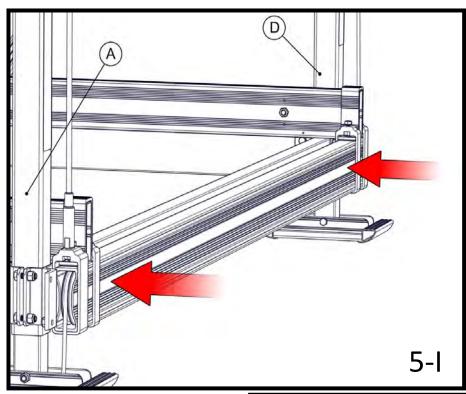


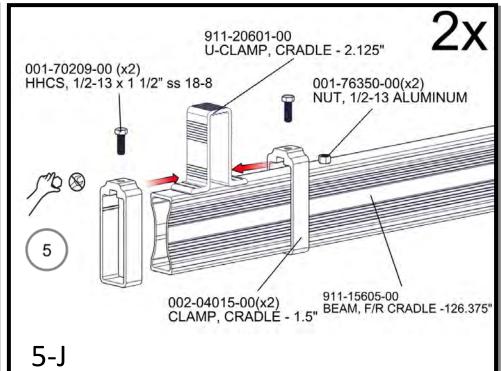


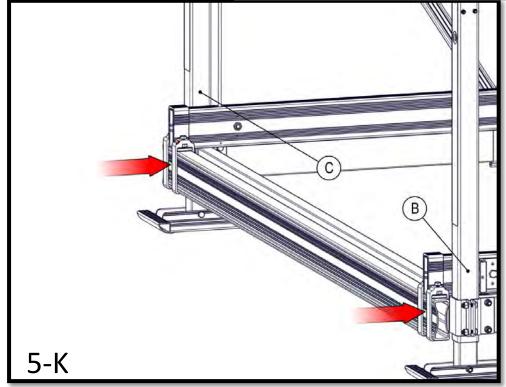


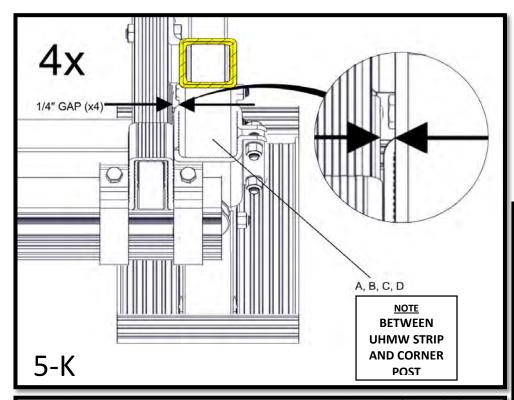


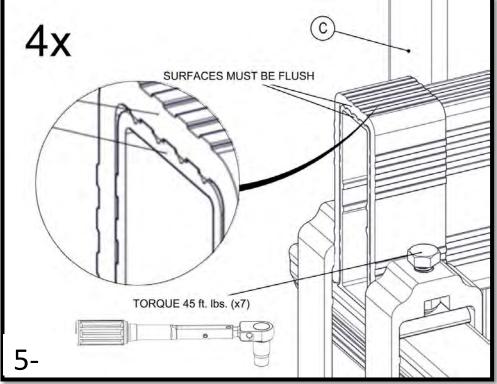


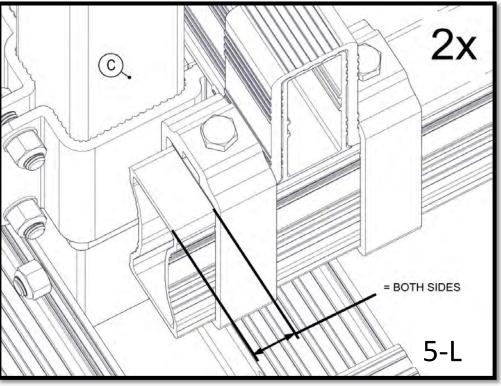


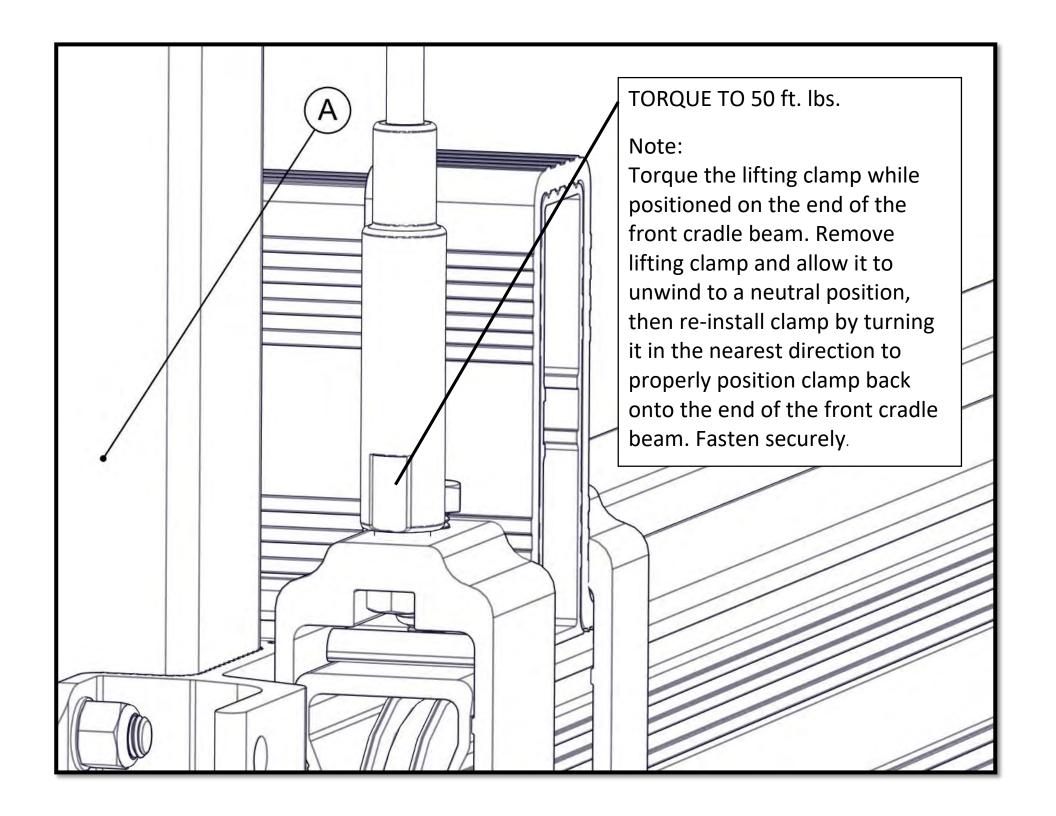


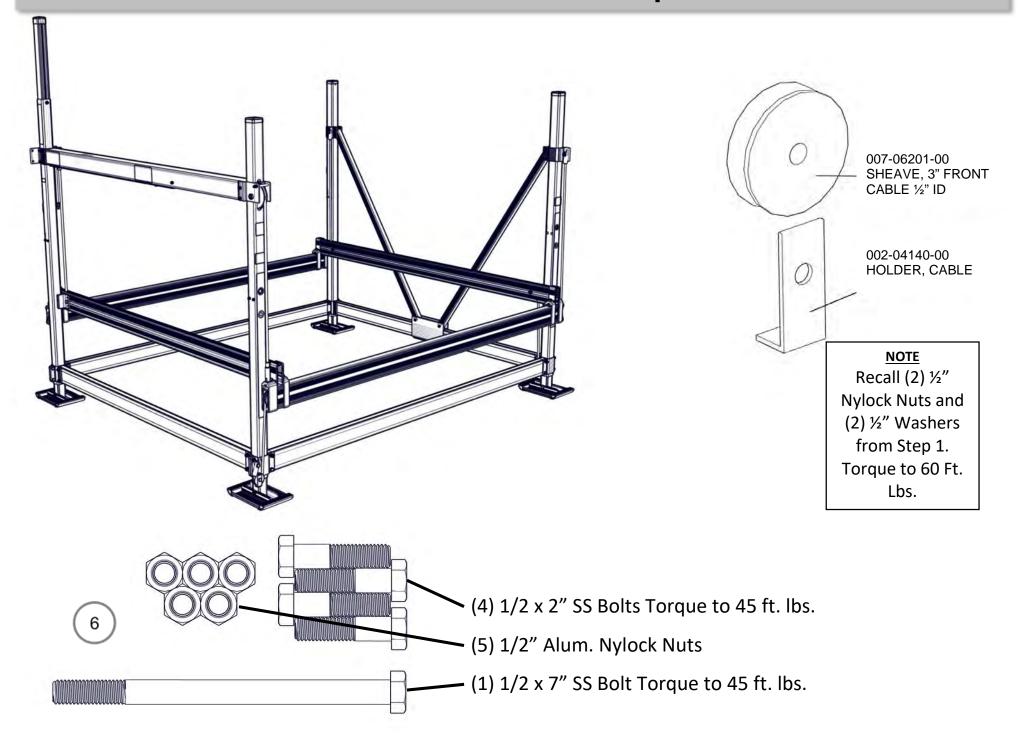


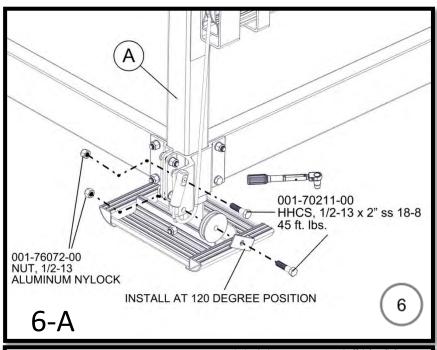


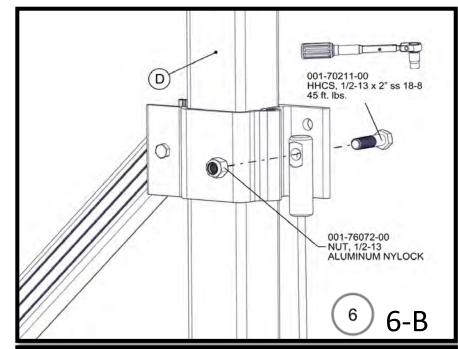


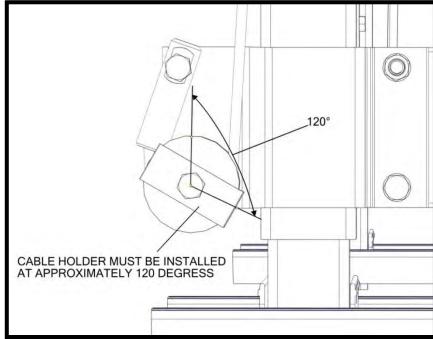


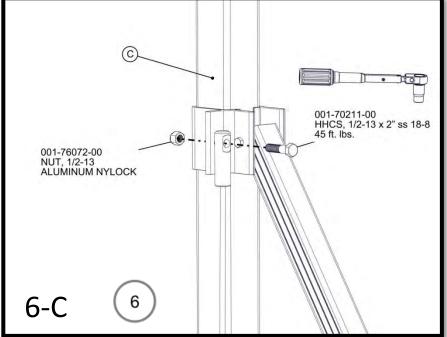


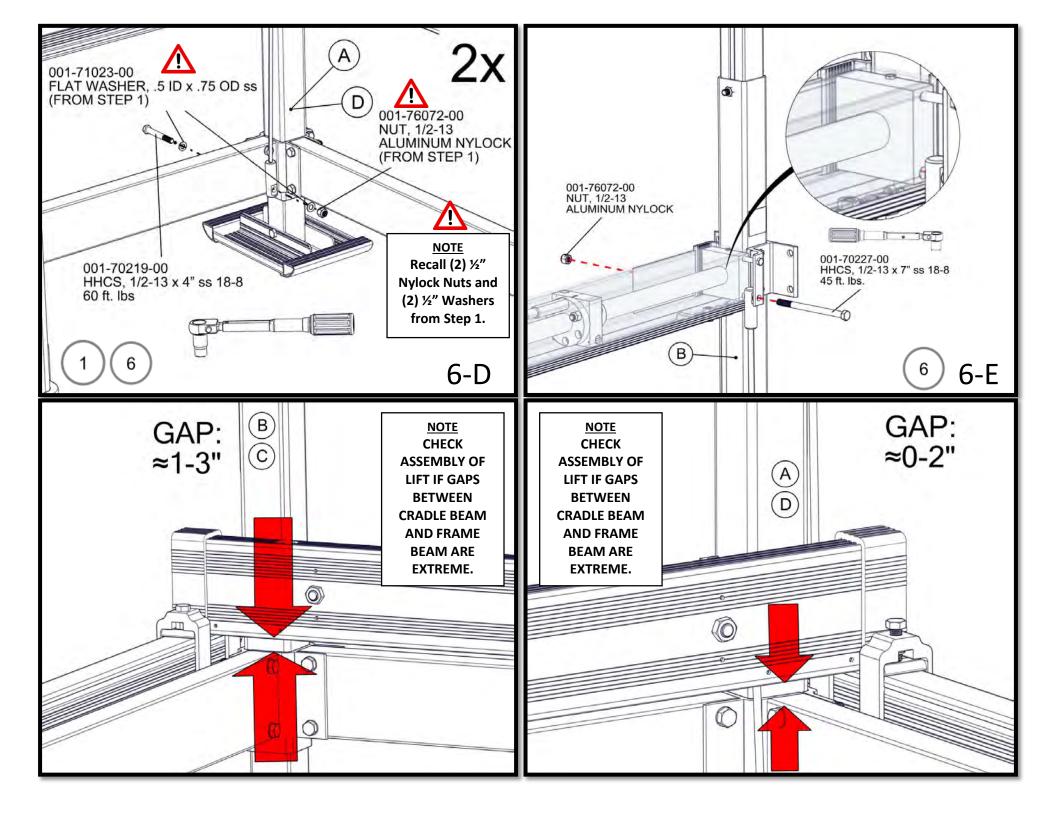




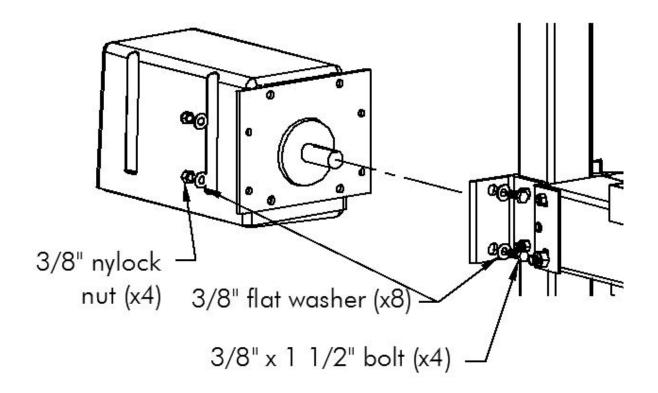








Step 7



The drive train (SOLD SEPARATELY) can now be attached to the lift. Note that the rigid coupler on the drive train and ball screw mate together. With the drive train being held in place, attach it to the lift using (4) 3/8" x 1 1/2" bolts, (4) Nylock nuts, and (8) flat washers as shown in Fig 7A. Torque to 10 ft-lbs. Make sure the bolt threads clear the nylock before using torque wrench. **See Note:**

NOTE:

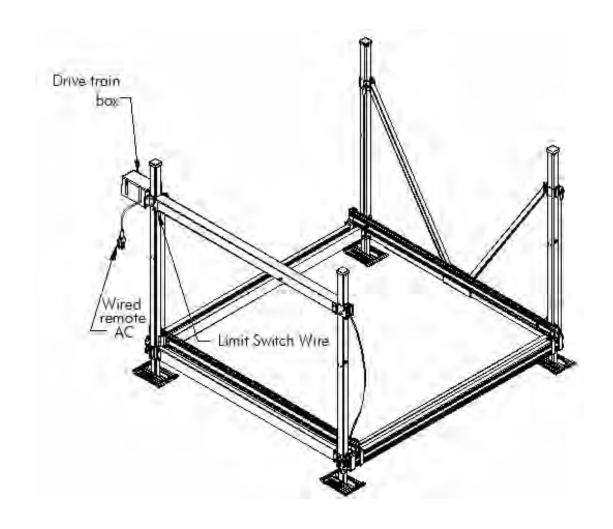
Apply a generous amount of Anti-Seize from the small packet included, to the inside of the Rigid Coupler and to the Motor Shaft before attaching the Drive Unit to the Lift's Frame.

STEP 7 AC

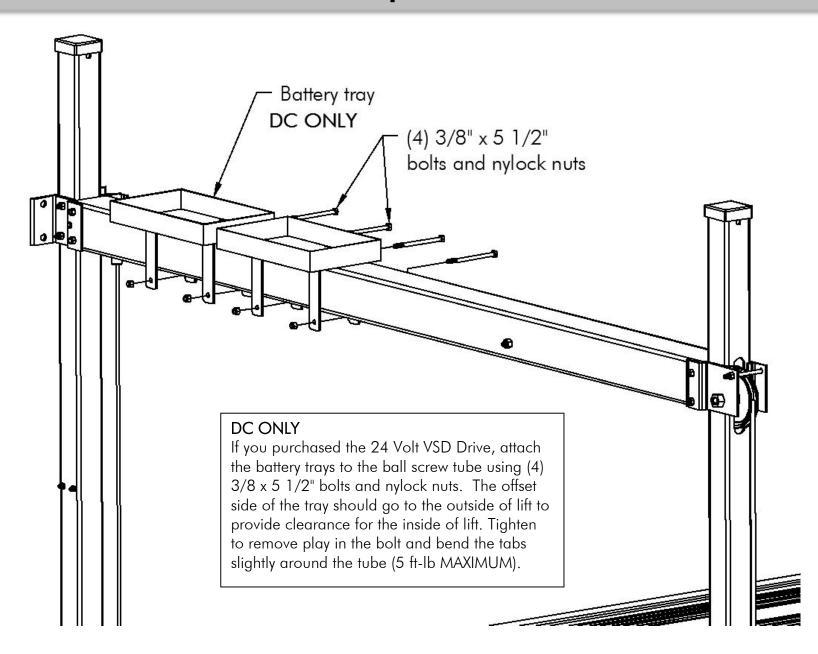
The drive train can now be connected to the power source. It is very important that this connection be made in accordance with State and Local Regulations. **SEE WARNING:**



POWER CONNECTION TO THE FLOE 120 VOLT AC VSD DRIVE UNIT MUST BE MADE BY A QUALIFIED LICENSED ELECTRICAL CONTRACTOR USING THE APPROPRIATE 20 AMP G.F.I.C. (GROUND FAULT INTERRUPT CIRCUIT) PROTECTION DEVICE. THIS UNIT MUST BE LOCATED AT THE LEAD END OF THE POWER SUPPLY TO PREVENT ANY UNPROTECTED CURRENT FROM COMING IN CONTACT WITH WATER. FAILURE TO DO SO MAY RESULT IN SEVERE INJURY OR POSSIBLE DEATH AND WILL VOID THE WARRANTY.

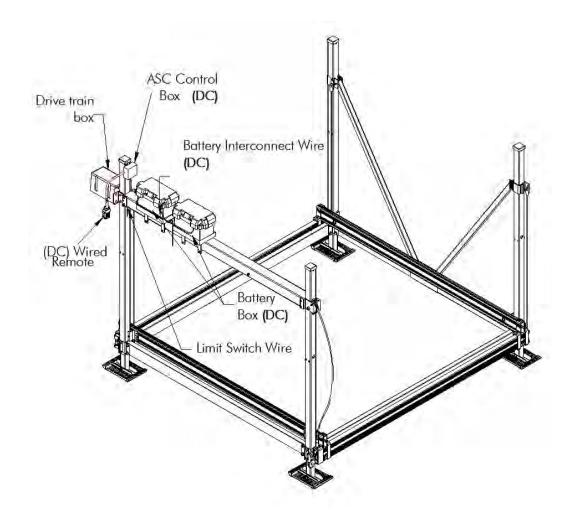


Step 7 DC



Before installing cap on corner post, insert 1/2"x 3/4" bolt through top hole with head inside post. If lift has canopy, discard 1/2 x 3/4 bolt that came with the ASC box. Remove nut from ½ x 1 1/4" bolt holding canopy insert. Attach ASC box to bolt, install nut, torque to 60 ft/lbs with canopy or a 1/2 turn past snug for no canopy. Stick Dual Lock on corner post, press firmly together.

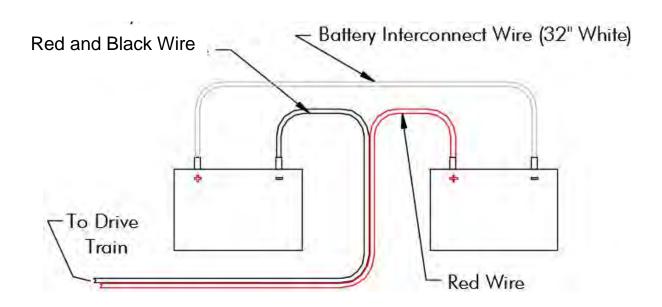
Insert a 12 volt battery into each battery box (DC ONLY). Plug the wired remote into the plug on the ASC labeled "Wired Remote". Plug the limit switch wire into the ASC plug Labeled "Limit Switch". See Fig. 7B. Secure all wires using the supplied Velcro. If canopy is to be installed on the lift, the wired remote can be strung along a canopy hoop and hung next to the dock and secured to the canopy hoop with Velcro.



VSD 5000 WIDE BOAT LIFT (DC ONLY) 24 VOLT BATTERY CONNECTION DIAGRAM

- 1. Connect the red wire from the ASC to the positive post of one battery. Connect the red and black wire from the ASC to the negative post of the other battery
- 2. Connect the 32" white battery interconnect wire to the negative post of the first battery and the positive post of the other battery.
 See diagram below. Attach battery volt meter (included with battery box, see included instructions (red-positive, black-negative)), place the covers on the battery boxes and strap it through the slots on the battery tray. See VSD Drive instructions for more

information.



VSD Pre-installation Check List

Prior to installing your lift please follow this check list to confirm proper operation.

- 1. Raise the lift up to confirm operation of upper limit switch. Approach the upper limit switch cautiously by pressing the UP button in short bursts as you near the top of the lift travel. A properly working limit switch will stop the lift before the ball screw reaches its limit of travel. If the limit switch does not stop the lift and the ball nut reaches the end of the ball screw you will be able to see the drive unit twisting slightly, indicating that the motor is trying to run. Also, you probably would have heard the ball nut hitting the metal stop at the end of the screw. The brake will still click when stopped at the limits.
- 2. Lower the lift down to confirm operation of lower limit switch. Again, as you approach the bottom of the lift travel press the DOWN button in short bursts. The lift should stop with a small amount of slack in the lifting cable after the cable contacts the lift frame. If the limit switch does not stop the lift and the ball nut reaches the end of the ball screw you will be able to see the drive unit twisting slightly indicating that the motor is trying to run. Also, you probably would have heard the ball nut hitting the metal stop at the end of the screw.

If either limit switch does not stop the lift correctly, contact FLOE customer service and do not use the lift until the problem is corrected.

- 3. Listen for unusual noises during lift operation. Squeaking may indicate that the lift may not have been greased. Both the thrust bearing and the ball nut MUST be greased before using the lift. Please see owners' manual for details.
- 4. If you have a wireless remote it would be good idea to test it at this time. There is no need to go all the way to the limit switches since those were tested above. Also check the inside (amber) light and the mast light if you have one. The lights come on when their buttons are pressed and go off with a second press or after about 7 minutes of no light button activity.

VSD5000 BILL OF MATERIALS

	DESCRIPTION QTY.
	QTT.
1 001-16369-00 HHCS, 3/4	4-16 x 4" Grade 8 Plain 1
2 001-23877-00 SHCS, 1,	/2-20 x 1 1/2" (Black) 1
3 001-26911-00 Pin, E	Oowel 3/16" x 7/8" 4
4 001-71525-00 Spring Pin, 5/3	22" x 1-1/8" 420 SS Slotted 4
5 001-33092-00 Flat Wa	osher, SAE 3/4" Zinc 1
6 001-40365-00 Flat \	Vasher, M24 Zinc 1
7 001-70109-00 HHCS, 3/8-16 x 1	1 1/2" 18-8 ss (NOT SHOWN) 4
8 001-70115-00 HHCS,	3/8-16 x 3" 18-8 ss 2
9 001-70117-00 HHCS, 3,	/8-16 x 3 1/2" 18-8 ss 2
10 001-70121-00 HHCS, 3,	/8-16 x 4 1/2" 18-8 ss 3
11 001-70123-00 HHCS,	3/8-16 x 5" 18-8 ss 1
12 001-70124-00 HHCS, 3,	/8-16 x 5 1/2" 18-8 ss 6
13 001-70127-00 HHCS,	3/8-16 x 7" 18-8 ss 1
14 001-70203-00 HHCS, 1	/2-13 x 3/4" 18-8 ss 2
15 001-70207-00 HHCS, 1,	/2-13 x 1 1/4" 18-8 ss 1
16 001-70209-00 HHCS, 1,	/2-13 x 1 1/2" 18-8 ss 8
17 001-70210-00 HHCS, 1,	/2-13 x 1 3/4" 18-8 ss 8
18 001-70211-00 HHCS,	1/2-13 x 2" 18-8 ss 4
19 001-70215-00 HHCS,	1/2-13 x 3" 18-8 ss 8
20 001-70217-00 HHCS, 1,	/2-13 x 3 1/2" 18-8 ss 8
21 001-70218-00 HHCS, 1,	/2-13 x 3 3/4" 18-8 ss 4
22 001-70219-00 HHCS,	1/2-13 x 4" 18-8 ss 2
23 001-70227-00 HHCS,	1/2-13 x 7" 18-8 ss 1
24 001-70245-00 HHCS, 1,	/2-20 x 1 3/4" 18-8 ss 1
	/8-11 x 1 3/4 ss 18-8
26 001-70313-00 HHCS, 5	/8-11 x 2 1/2 ss 18-8 4
27 001-70816-00 Nut, J	am 5/8-11 ss 18-8 6
28 001-70817-00 Nu	t, 3/4-10 Jam ss 2
29 001-70861-00 Nut, Ny	lock 5/16-18 - Alum 8
	" SAE ss 18-8 (NOT SHOWN) 8
31 001-71021-00 Flat W	asher, 1/2" 18-8 SS 3
32 001-71023-00 Flat Was	ner, .5 IDx.875 OD ss 48
33 001-71024-00 Flat Wash	er, 5/8"x1.25"x.060 SS 16
34 001-71027-00 Flat Was	sher, ½" USS ss 18-8
35 001-73454-00 SHCS, 1	0-32 x 1 3/4" 18-8 ss 1

VSD5000 BILL OF MATERIALS

NO.	PART NUMBER	<u>DESCRIPTION</u>	QTY.
36	001-74402-00	CB, 5/16-18 x 3 1/2 ss 18-8	8
37	001-76069-00	Flat Washer, 5/8 (Lift) Nylon	8
38	001-76071-00	NUT, NYLOCK 3/8-16 ALUM.	19
39	001-76072-00	NUT, NYLOCK 1/2-13 ALUM.	36
40	001-76073-00	Nut, Nylock 10-32 Alum	1
41	001-76350-00	Nut, 1/2-13 Alum	8
42	002-00001-00	Bracket, Upper Lftg./V-Brace	1
43	002-00002-00	Bracket, Upper V-Brace - 4"	1
44	002-00003-01	Clamp, Lower Frame Outer - 5"	3
45	002-00004-01	Clamp, Outer Frame Sheave - 5"	1
46	002-00005-02	Clamp, Frame Inner – 4.692" Ext. Version	4
47	002-00054-00	Beam, Lift Frame .125 - 95.938"	2
48	002-00067-00	Post, Corner "A" Lifting VSD5000	1
49	002-00070-00	Post, Corner "B" Motor Pontoon	1
50	002-00071-00	Post, Corner "C & D" Pontoon	2
51	002-00205-00	Beam, Lift Frame.125 - 121.0"	2
52	002-00206-00	Beam, End Cradle 126.375" (.145")	1
53	002-04015-00	Clamp, Cradle - 1.5"	7
54	002-04017-00	Clamp, Cradle Lift - 2.5"	1
55	002-04022-01	V-Brace 76.938" x .125"	2
56	002-04031-00	Guide, Cradle (Ext.) - 4.25"	4
57	002-04040-00	Beam, Side Cradle 109"	2
58	002-04064-00	Clamp, Lower V-Brace (L) 14.5"	1
59	002-04066-00	Clamp, Lower V-Brace (R) 14.5"	1
60	002-04140-00	Holder, Cable	1
61	002-04307-00	Clamp, Pulley (Outer) 3" Post	1
62	002-04308-00	Clamp, Pulley (Inner) 3" Post	1
63	002-04314-00	Bracket, Level Leg - 2.563"	4
64	006-10021-00	Sleeve, UHMW Ball Screw Support	1
65	006-10202-00	Pad, Wear - 1/2 x 7/8" x 2"	4
66	006-10206-00	Spacer, Side Cradle Sheave	8
67	006-11001-00	UHMW, 1/4" x 1/2" x 5"	4
68	006-15022-00	Cap, Vinyl-Canopy/Winch Insert	1
69	006-15200-00	Cap, Vinyl 3" Sq. Lift Corner	3
70	006-22202-00	Sleeve, Steel 1" x 2.25" Lg.	1
71	007-04154-00	Pin, Sheave, 3/4" VSD3200/5000	1
72	007-05013-00	Plate, End Stop (Ball Screw)	1
73	007-05023-00	Bevel Gear, Top 1:1	4

VSD5000 BILL OF MATERIALS

<u>NO.</u>	<u>PART NUMBER</u>	<u>DESCRIPTION</u>	<u>QTY.</u>
74	007-05079-01	Screw, Bevel Gear Adjustment	4
75	007-05126-00	Fitting, Grease M8 x 1 (Flush)	2
76	007-05223-00	Coupler, Rigid .75x1.5x2 Lg.	1
77	007-05242-00	Key, 3/16" x 2"	1
78	007-06201-00	Sheave, 3" Front Cable 1/2" ID	1
79	007-07700-00	Spacer, 1.297" (Side Cradle)	4
80	007-07701-00	Spacer, 1.055" (.090" Front)	2
81	007-07707-01	Spacer, Lifting Pulley VSD 3.8-5K	2
82	007-09000-00	Cable, Side Leveling 166.125"	2
83	007-09126-00	Cable, Lifting -102.750"	1
84	007-09511-00	Cable, Front Leveling 205.688"	1
85	007-15024-00	Bevel Gear, Bottom (Fab)	4
86	007-93526-00	Nut, Round M24 x 1.5 (Zinc Plated)	1
87	011-15005-00	Ball Screw, 40-10mm - 1727mm	1
88	111-00000-00	Sand Pad Weldment	4
89*	111-00045-00	Ass'y, Side Cradle Beam (A)	1
90*	111-00046-00	Ass'y, Side Cradle Beam (B)	1
91	111-00107-00	Ass'y, Sheave 5" - 5/16" Cable	6
92	111-00156-00	Ass'y, Cradle Guide (Ext.)	4
93	111-00201-00	Ass'y ,6"Lifting Sheave 38/5000#	1
94	111-00216-01	Weld't, Inner Leg 2000-5000#	4
95*	111-00234-01	Ass'y, Easy-Level Inner Leg V2000-VSD5K (Pont)	4
96	111-00248-00	Ass'y, Ball Nut Block	1
97	111-00311-00	Ass'y, Bearing Block w/bearing	1
98*	111-00411-01	Ass'y, Canopy/Winch Insert	1
99	111-00415-01	Weld't, Ball Screw Tube 96.375"	1
100*	111-00416-01	Ass'y, Ball Screw Tube 96.375"	1
101**	111-00418-02	Ass'y, Corner Post "B" VSD5000	1
102**	111-00419-02	Ass'y, Corner Post "C" VSD5000	1
103**	111-00420-02	Ass'y, Corner Post "D" VSD5000	1
104**	111-00431-02	Ass'y, Corner Post "A" Lifting	1
105*	111-00470-00	Ass'y, End Cradle 126.375" (.145")	1
106	111-04306-01	Ass'y, Ball Screw Clamp-3" post	1
107	111-38500-01	Ass'y, Limit Switch 3800-5000 Pon.	1
108	911-14201-00	Canopy/Winch Insert, 38"	1
109	911-15605-00	Beam, F/RCradle145-126.375"	1
110	911-20601-00	U-Clamp, Cradle 2.125	4

^{*}ITEMS 89, 90, 95, 98, & 100-105 ARE BROKEN DOWN FURTHER

^{**}REPLACEMENT CORNER POST FULL ASSEMBLIES ARE AVAILABLE (ITEMS 101-104)

NO.	PART NUMBER	<u>DESCRIPTION</u>	QTY.
89*	111-00045-00	Ass'y, Side Cradle Beam (A)	1
26	001-70313-00	HHCS, 5/8-11 x 2 1/2 ss 18-8	2
27	001-70816-00	Nut, Jam 5/8-11 ss 18-8	2
57	002-04040-00	Beam, Side Cradle 109"	1
66	006-10206-00	Spacer, Side Cradle Sheave	4
67	006-11001-00	UHMW, 1/4" x 1/2" x 5"	2
79	007-07700-00	Spacer, 1.297" (Side Cradle)	2
82	007-09000-00	Cable, Side Leveling 166.125"	1
91	111-00107-00	Ass'y, Sheave 5" - 5/16" Cable	2
92	111-00156-00	Ass'y, Cradle Guide (Ext.) (INCLUDES ITEMS 56 & 65)	2
	-	, , , ,	1
NO.	PART NUMBER	DESCRIPTION	QTY.
90*	111-00046-00	Ass'y, Side Cradle Beam (B)	1
26	001-70313-00	HHCS, 5/8-11 x 2 1/2 ss 18-8	2
27	001-70816-00	Nut, Jam 5/8-11 ss 18-8	2
57	002-04040-00	Beam, Side Cradle 109"	1
66	006-10206-00	Spacer, Side Cradle Sheave	4
67	006-11001-00	UHMW, 1/4" x 1/2" x 5"	2
79	007-07700-00	Spacer, 1.297" (Side Cradle)	2
82	007-09000-00	Cable, Side Leveling 166.125"	1
91	111-00107-00	Ass'y, Sheave 5" - 5/16" Cable	2
92	111-00156-00	Ass'y, Cradle Guide (Ext.) (INCLUDES ITEMS 56 & 65)	2
		, , , , , , , , , , , , , , , , , , , ,	
NO.	PART NUMBER	DESCRIPTION	QTY.
95*	111-00234-01	Ass'y, Easy-Level Inner Leg V2000-VSD5K (Pont)	1
3	001-26911-00	Pin, Dowel 3/16" x 7/8"	1
4	001-71525-00	Spring Pin, 5/32" x 1-1/8" 420 SS Slotted	1
33	001-71024-00	Flat Washer, 5/8"x1.25"x.060 SS	4
34	001-71027-00	Flat Washer, ½" USS ss 18-8	1
36	001-76069-00	Flat Washer, 5/8 (Lift) Nylon	2
63	002-04314-00	Bracket, Level Leg - 2.563"	1
73	007-05023-00	Bevel Gear, Top 1:1	1
74	007-05079-01	Screw, Bevel Gear Adjustment	1
85	007-15024-00	Bevel Gear, Bottom (Fab)	1
93	111-00216-01	Weld't, Inner Leg 2000-5000#	

NO.	PART NUMBER	<u>DESCRIPTION</u>	<u>QTY.</u>
98*	111-00411-01	Ass'y, Canopy/Winch Insert	1
15	001-70207-00	HHCS, 1/2-13 x 1 1/4" 18-8 ss	1
31	001-71021-00	FLAT WASHER, 1/2" 18-8 SS	1
39	001-76072-00	NUT, NYLOCK 1/2-13 ALUM.	1
68	006-15022-00	Cap, Vinyl-Canopy/Winch Insert	1
108	911-14201-00	Canopy/Winch Insert, 38"	1

<u>NO.</u>	PART NUMBER	<u>DESCRIPTION</u>	QTY.
100*	111-00416-01	Ass'y, Ball Screw Tube 96.375"	1
1	001-16369-00	HHCS,3/4-16 x 4" Grade 8 Plain	1
2	001-23877-00	SHCS, 1/2-20 x 1 1/2" (Black)	1
5	001-33092-00	Flat Washer, SAE 3/4" Zinc	1
6	001-40365-00	Flat Washer, M24 Zinc	1
11	001-70123-00	HHCS, 3/8-16 x 5" 18-8 ss	1
14	001-70203-00	HHCS, 1/2-13 x 3/4" 18-8 ss	2
19	001-70215-00	HHCS, 1/2-13 x 3" 18-8 ss	2
31	001-71021-00	FLAT WASHER, 1/2" 18-8 SS	2
35	001-73454-00	SHCS, 10-32 x 1 3/4" 18-8 ss	1
38	001-76071-00	NUT, NYLOCK 3/8-16 ALUM.	1
39	001-76072-00	NUT, NYLOCK 1/2-13 ALUM.	2
40	001-76073-00	Nut, Nylock 10-32 Alum	1
64	006-10021-00	Sleeve, UHMW Ball Screw Support	1
70	006-22202-00	Sleeve, Steel 1" x 2.25" Lg.	1
72	007-05013-00	Plate, End Stop (Ball Screw)	1
75	007-05126-00	Fitting, Grease M8 x 1 (Flush)	2
76	007-05223-00	Coupler, Rigid .75x1.5x2 Lg.	1
77	007-05242-00	Key, 3/16" x 2"	1
83	007-09126-00	Cable, Lifting -102.750"	1
86	007-93526-00	Nut, Round M24 x 1.5 (Zinc Plated)	1
87	011-15005-00	Ball Screw, 40-10mm - 1727mm	1
96	111-00248-00	Ass'y, Ball Nut Block	1
97	111-00311-00	Ass'y, Bearing Block w/bearing	1
99	111-00415-01	Weld't, Ball Screw Tube 96.375"	1
107	111-38500-01	Ass'y, Limit Switch 3800-5000 Pon.	1

NO.	PART NUMBER	<u>DESCRIPTION</u>	QTY.
101**	111-00418-02	Ass'y, Corner Post "B" VSD5000	1
29	001-70861-00	Nut, Nylock 5/16-18 - Alum	2
36	001-74402-00	CB, 5/16-18 x 3 1/2 ss 18-8	2
49	002-00070-00	Post, Corner "B" Motor Pontoon	1
95*	111-00234-01	Ass'y, Easy-Level Inner Leg V2000-VSD5K (Pont)	1
98*	111-00411-01	Ass'y, Canopy/Winch Insert	1

NO.	PART NUMBER	<u>DESCRIPTION</u>	QTY.
102**	111-00419-02	Ass'y, Corner Post "C" VSD5000	1
29	001-70861-00	Nut, Nylock 5/16-18 - Alum	2
36	001-74402-00	CB, 5/16-18 x 3 1/2 ss 18-8	2
50	002-00071-00	Post, Corner "C & D" Pontoon	1
69	006-15200-00	Cap, Vinyl 3" Sq. Lift Corner	1
95*	111-00234-01	Ass'y, Easy-Level Inner Leg V2000-VSD5K (Pont)	1

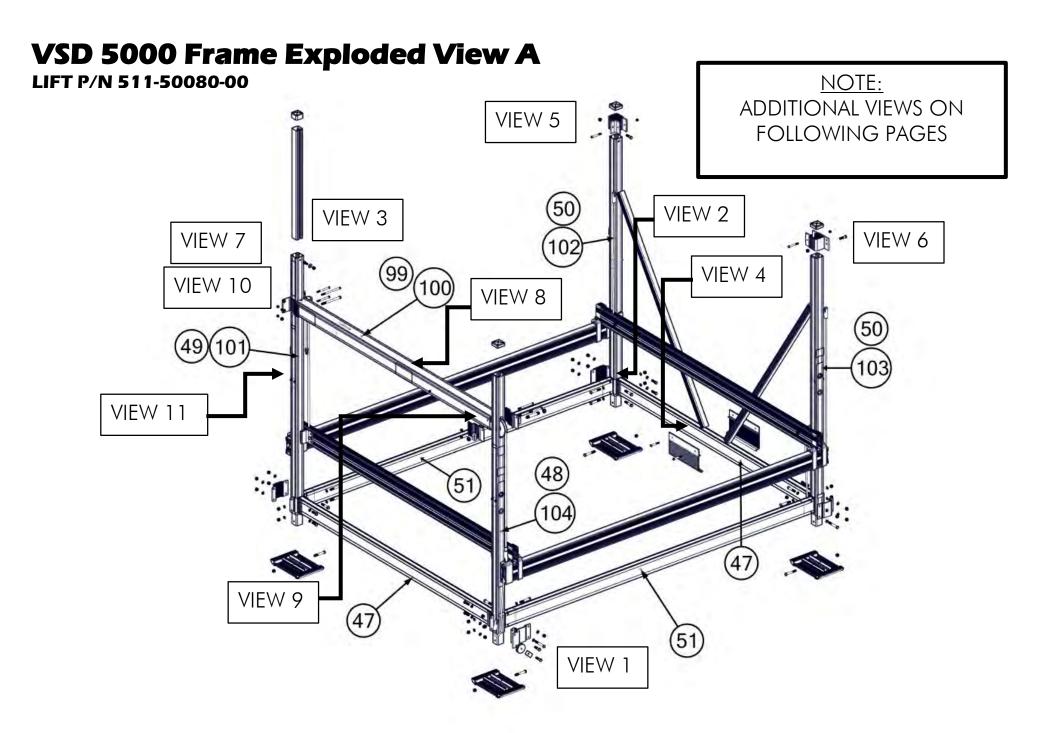
NO.	PART NUMBER	<u>DESCRIPTION</u>	QTY.
103**	111-00420-02	Ass'y, Corner Post "D" VSD5000	1
29	001-70861-00	Nut, Nylock 5/16-18 - Alum	2
36	001-74402-00	CB, 5/16-18 x 3 1/2 ss 18-8	2
50	002-00071-00	Post, Corner "C & D" Pontoon	1
69	006-15200-00	Cap, Vinyl 3" Sq. Lift Corner	1
95*	111-00234-01	Ass'y, Easy-Level Inner Leg V2000-VSD5K (Pont)	1

^{**}REPLACEMENT CORNER POST FULL ASSEMBLIES ARE AVAILABLE (ITEMS 101-104)

NO.	PART NUMBER	<u>DESCRIPTION</u>	QTY.
104**	111-00431-02	Ass'y, Corner Post "A" Lifting	1
28	001-70817-00	Nut, 3/4-10 Jam ss	2
29	001-70861-00	Nut, Nylock 5/16-18 - Alum	2
36	001-74402-00	CB, 5/16-18 x 3 1/2 ss 18-8	2
48	002-00067-00	Post, Corner "A" Lifting VSD5000	1
61	002-04307-00	Clamp, Pulley (Outer) 3" Post	1
62	002-04308-00	Clamp, Pulley (Inner) 3" Post	1
69	006-15200-00	Cap, Vinyl 3" Sq. Lift Corner	1
71	007-04154-00	Pin, Sheave, 3/4" VSD3200/5000	1
81	007-07707-01	Spacer, Lifting Pulley VSD 3.8-5K	2
93	111-00201-00	Assy,6"Lifting Sheave 38/5000#	1
95*	111-00234-01	Ass'y, Easy-Level Inner Leg V2000-VSD5K (Pont)	1

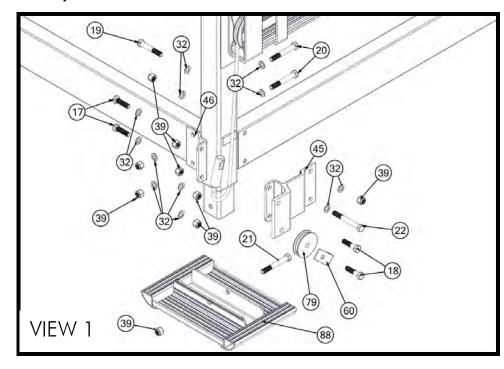
NO.	PART NUMBER	<u>DESCRIPTION</u>	QTY.
105*	111-00470-00	Ass'y, End Cradle 126.375" (.145")	1
25	001-70310-00	HHCS, 5/8-11 x 1 3/4 ss 18-8	2
27	001-70816-00	Nut, Jam 5/8-11 ss 18-8	2
52	002-00206-00	Beam, End Cradle 126.375" (.145")	1
80	007-07701-00	Spacer, 1.055" (.090" Front)	2
84	007-09511-00	Cable, Front Leveling 205.688"	1
91	111-00107-00	Ass'y, Sheave 5" - 5/16" Cable	2

^{**}REPLACEMENT CORNER POST FULL ASSEMBLIES ARE AVAILABLE (ITEMS 101-104)



VSD 5000 Frame Exploded Views 1 & 2

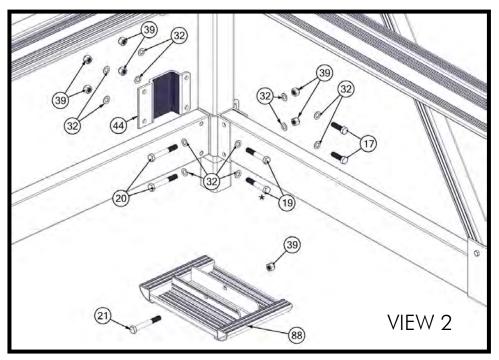
LIFT P/N 511-50080-00



NOTE (VIEW 2):

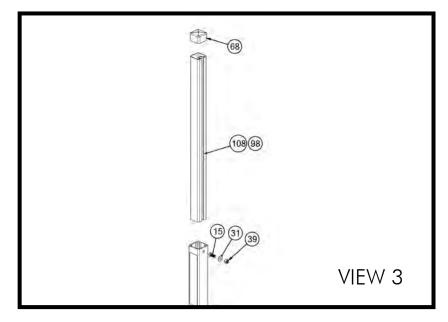
CORNER "C" IS SHOWN. BOTTOM BOLT (MARKED) IS REPLACED WITH ITEM 22 AT CORNER "D".

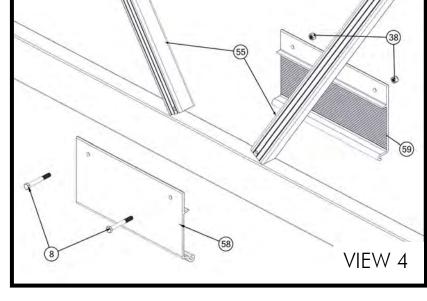
FOR CORNER "B", SAME ITEMS ARE USED AS SHOWN IN VIEW 2.

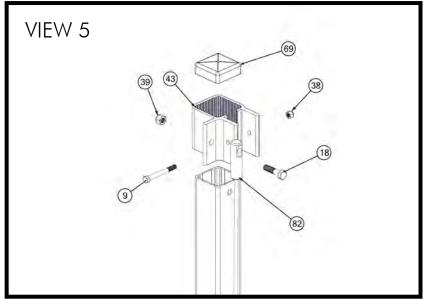


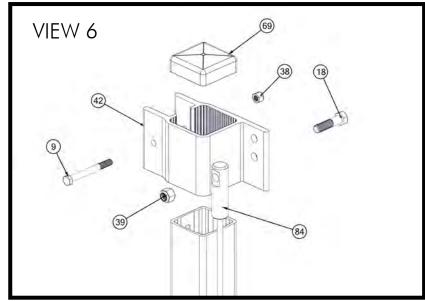
VSD 5000 Frame Exploded Views 3-6

LIFT P/N 511-50080-00



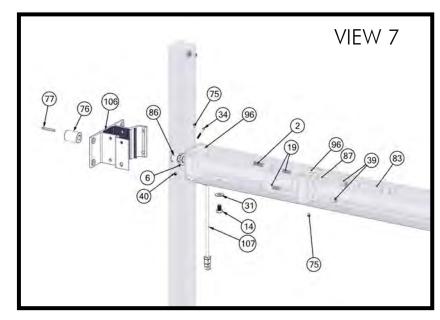


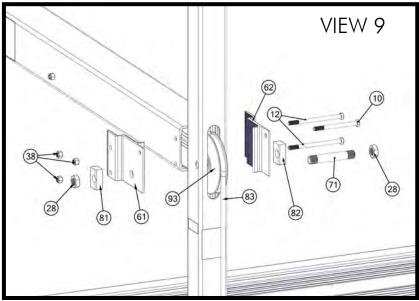


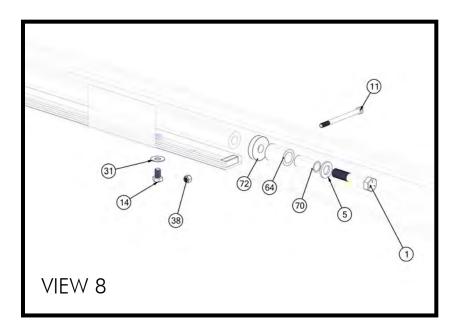


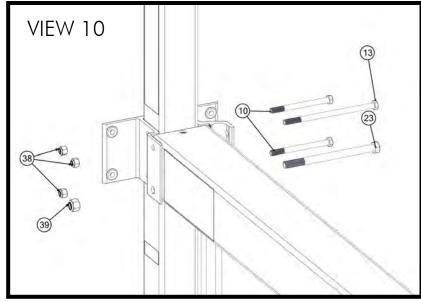
VSD 5000 Frame Exploded Views 7-10

LIFT P/N 511-50080-00



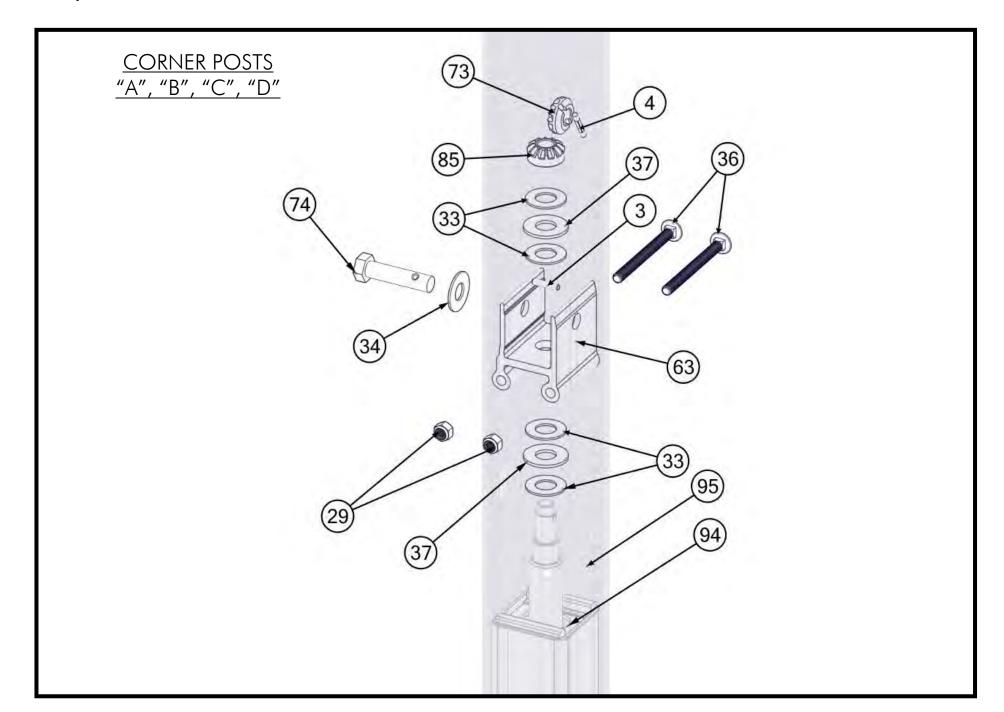






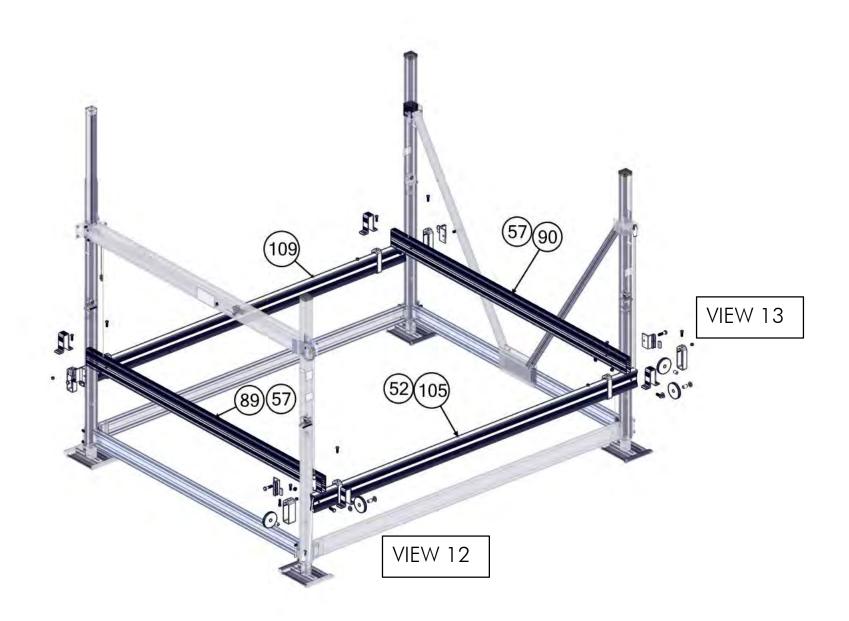
VSD 5000 Frame Exploded View 11

LIFT P/N 511-50080-00



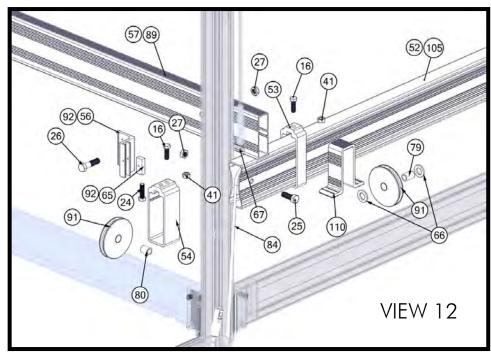
VSD 5000 Frame Exploded View B LIFT P/N 511-50080-00

NOTE: ADDITIONAL VIEWS ON FOLLOWING PAGES

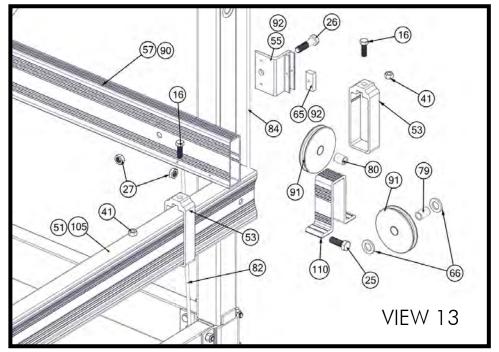


VSD 5000 Frame Exploded Views 12 & 13

LIFT P/N 511-50080-00



NOTE (VIEW 13):
CORNER "D" IS SHOWN. FOR
CORNERS "B" & "C", ITEMS
25, 27, 80, & 91 ARE EXEMPT
(QUANTITY OF 1 PER
CORNER). ITEM 51/105 IS
REPLACED WITH ITEM 109.



NOTES

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