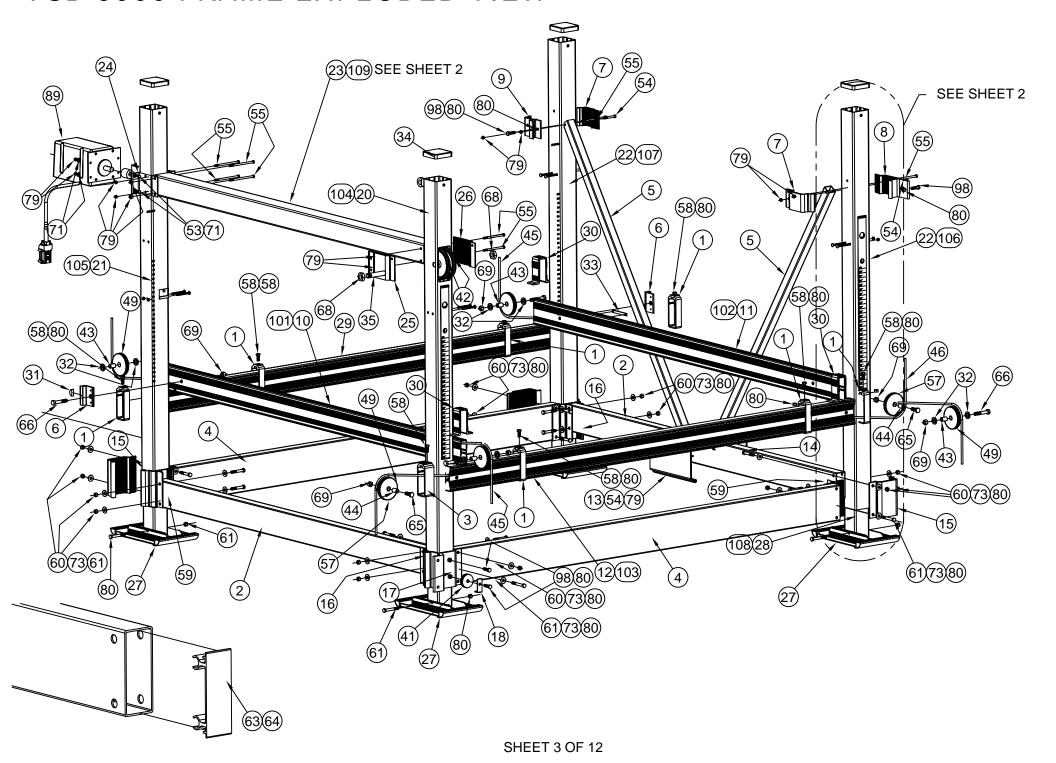
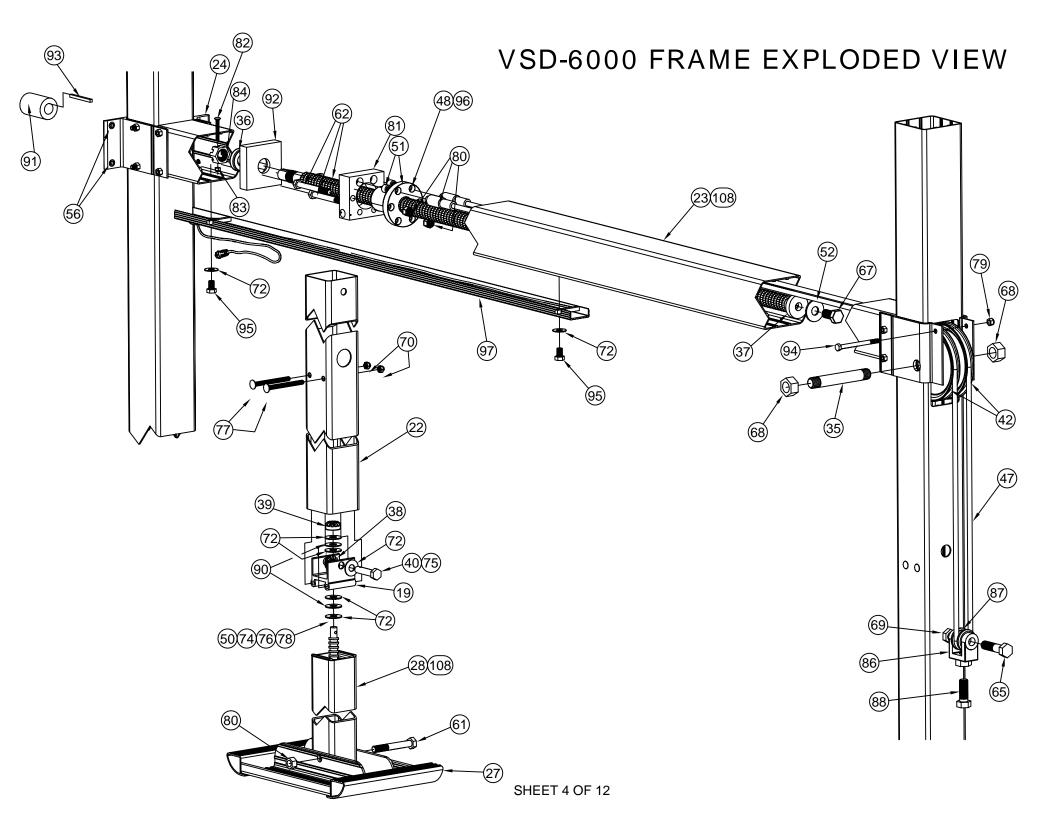
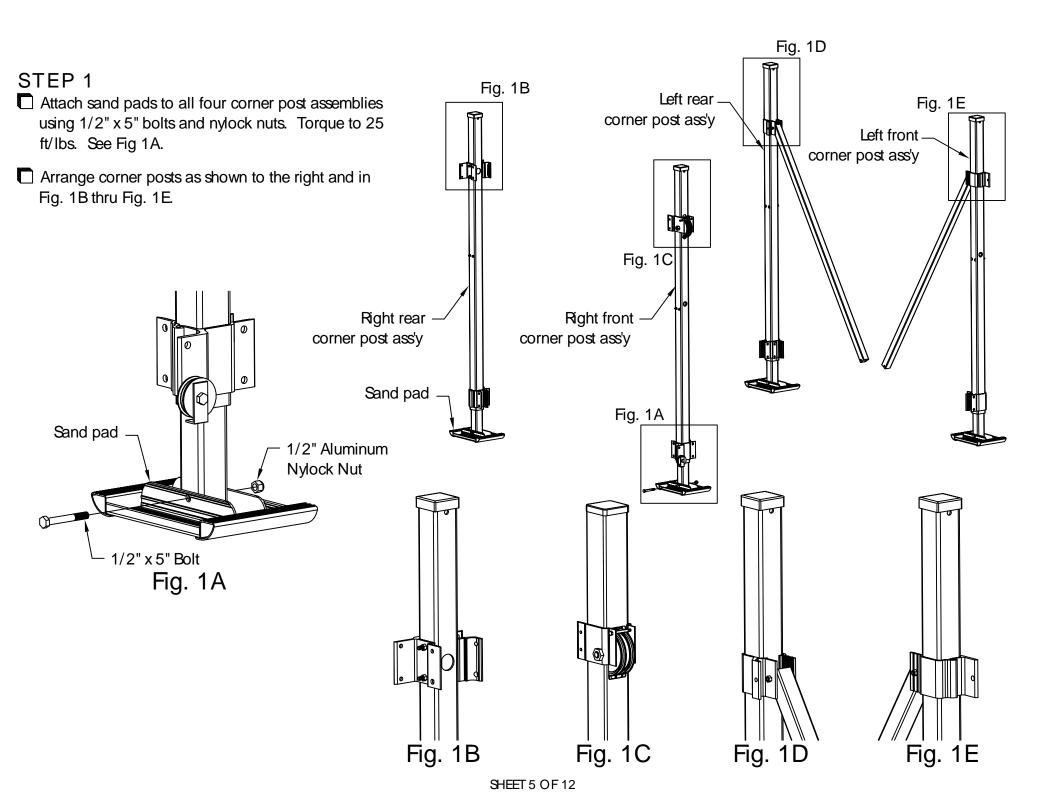


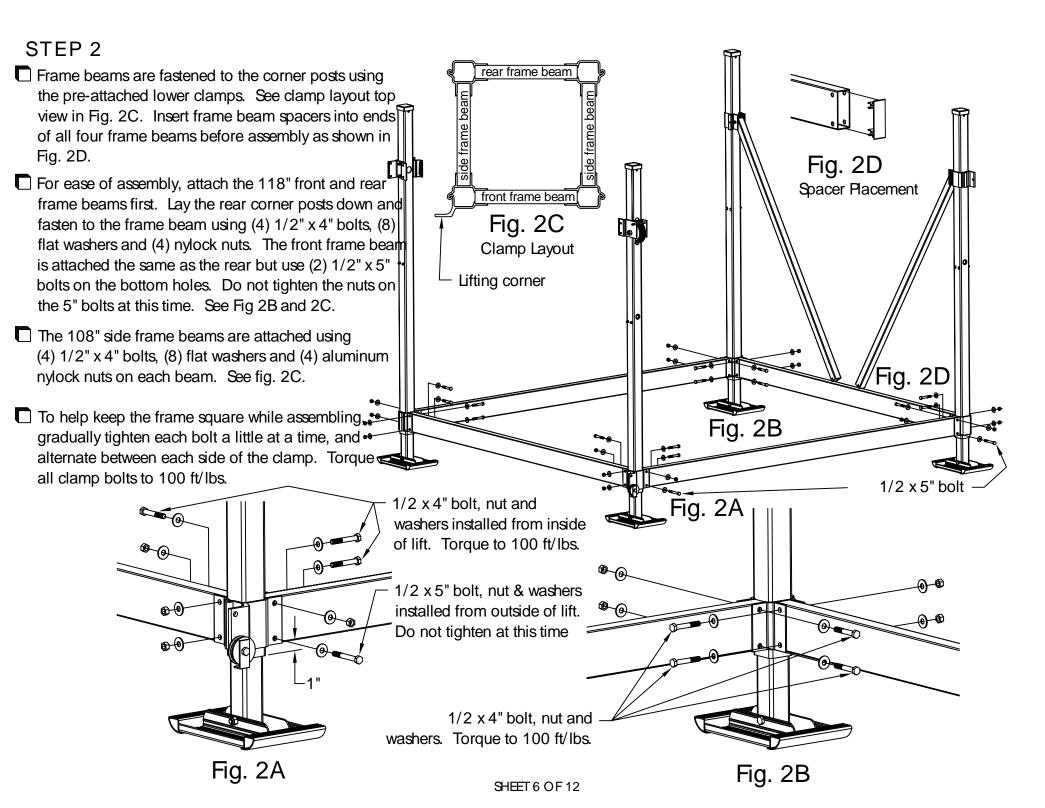
VSD-6000 FRAN	ME EXPLODED \	√IEW		NO.	PART NO.	<u>QTY.</u>	DESCRIPTION -HHCS, 1/2-13 x 3" ss 18-8	
NO. PART NO. QTY.	DESCRIPTION	DRIVE TYPE C					-6" FRAME BEAM SPACER	
1 · · · 002-04204-00 · · · 7 · · · · CR/	ADLE CLAMP 1.75"			64	911-10601-00	4	·8" FRAME BEAM SPACER	
2 002-04351-00 2 6" S	SIDE FRAME BEAM 108"			65 ·	001-70365-00	3	HHCS, 3/4-10 x 3" ss 18-8	
3 002-04205-00 1 CR/	ADLE LIFT CLAMP 3.875"			66	001-70363-00	4	HHCS, 3/4-10 x 2 1/2" ss 18-8	
4 · · · 002-04202-00 · · · 2 · · · · 8"F/	/R FRAME BEAM 118"			69.	. 001-23933-00	7	SHCS, 3/4"-16 X 1 3/4" NUT, JAM 1"-8 ss 18-8	
5 002-04355-00 2 V-B 6 002-04226-00 4 CR	ADLE CUIDE			69	001-70819-00	7	NUT, JAM 1-0 ss 10-0 NUT, JAM 3/4-10 ss 18-8	
6 · · · 002-04226-00 · · · 4 · · · · CR/ 7 · · · 002-04210-00 · · · 2 · · · · UPF	PER CLAMP (LINIVERSAL)			70 ·	001-70861-00	8	NUT, 5/16-18 ALUMINUM NYLOCK	
8 · · · 002-04211-00 · · · 1 · · · · UPI	PER CLAMP (FRONT)			71 ·	001-71017-00	8	· 3/8" SAE FLAT WASHER	
9 · · · 002-04212-00 · · · 1 · · · · UPF	PER CLAMP (REAR)						1/2" FLAT WASHER SAE ss 18-8	
10 002-04357-00 1 SID	DE CRADLE (RIGHT) 126.5"						1/2" FLAT WASHER USS ss 18-8	
11 002-04356-00 1 SID	DE CRADLE (LEFT) 126.5"						· 3/16" x 1 3/4" ss SPRING PIN · 5/32" x 15/16" GROOVE PIN	
12 · 002-04215-00 · · 1 · · · FRO 13 · 002-04217-00 · · 1 · · · V-B	ONT CRADLE BEAM 127 (.188)						3/16" x 7/8" DOWEL PIN	
14 002-04217-00 1 V-B	BRACE CLAMP (MALE)						CARRIAGE BOLT, 5/16-18 x 5" ss 18-8	
15 002-04208-00 3 FRA	AME BEAM CLAMP (OUTER)			78 ·	001-75123-00	4	NUT, 1"-5 ACME - BRASS	
16 002-04209-00 2 FRA	AME BEAM CLAMP (RF LR)			79	001-76071-00	· · 17 · ·	NUT, 3/8-16 ALUMINUM NYLOCK	
17 002-04207-00 1 FR/	AME BEAM LIFTING CLAMP			80 ·	001-76072-00	32	NUT, 1/2-13 ALUMINUM NYLOCK	
18 002-04241-00 1 CAI	BLE HOLDER			82.	. 007-05000-00	1	BALL SCREW NUT BLOCK - UHMW CARRIAGE BOLT, 1/4-20 x 2" ss 18-8	
19 002-04245-00 4 LEV 20 002-04352-00 1 CO	RNER POST 89.5" LIFTING (.125)						NUT, 1/4-20 ALUMINUM NYLOCK	
21 002-04352-00 1 CO	RNER POST 89.5" MOTOR (.125)						NUT, SLOTTED 1 1/8-12	
22 002-04354-00 2 CO	RNER POST 89.5" (.125)			85 ·	006-10208-00	4	FRONT CRADLE SHEAVE SPACER	
23 111-00239-01 1 BAL	LL SCREW TUBE - 109"			86	007-05068-00	1	LIFTING CABLE PULLEY CLEVIS	
24 002-04223-01 1 4.5	BALL SCREW CLAMP			87	007-07626-00	1	· 2" CLEAVIS SHEAVE	
25 002-04224-00 1 4.5	" PULLEY CLAMP (OUTER)	DDIVE TVDE O	DTION	88	511 75002 00	1	· HHCS, 3/4-16 x 2" ss 18-8 · 120 VAC VSD DRIVE TRAIN	
26 · 002-04230-00 · 1 · · · 4.5" 27 · 111-00140-00 · · 4 · · · SAN	" PULLEY CLAMP (INNER)	DRIVETIFE	FIION	09			24 VDC VSD DRIVE TRAIN	
27 · 111-00140-00 · · · 4 · · · · SAN 28 · · 111-00197-00 · · · 4 · · · · INN	IER SCREW LEG WEI DMENT			90 ·	001-75210-00	8	1/2" FLAT WASHER - BRASS	
29 911-08501-00 1 REA	AR CRADLE BEAM 127"			91 ·	007-05224-00	1	· 1" ID RIGID COUPLER	
30 911-10301-00 4 CR	ADLE U-CLAMP 2.875"			92 ·			BEARING BLOCK	
31 · · · 006-10202-00 · · · · 4 · · · · · CR/	ADLE GUIDE WEAR PAD			93	007-05222-00	1	1/4" SQ. x 3" KEY	
32 006-10207-00 8 SID	DE CRADLE SHEAVE SPACER			94	. 001-70121-00	7	· HHCS, 3/8-16 x 4 1/2" ss 18-8 · HHCS, 1/2-13 x 3/4" ss 18-8	
33 · 006-11002-00 · · · 4 · · · · UHI 34 · 006-15500-00 · · · 4 · · · · 4.5"	MW WEAR PAD- 1/4" x 1/2" x 6 1/2" LG.			96			• M8 x 1 GREASE ZERK (FLUSH)	
35 007-05500-00 1 4 1 4 1 4.5	CORNER FOST CAP			97 ·			6000# LIMIT SWITCH ASS'Y	
36 007-05010-00 1 1 1/	ND PAD IER SCREW LEG WELDMENT AR CRADLE BEAM 127" ADLE U-CLAMP 2.875" ADLE GUIDE WEAR PAD DE CRADLE SHEAVE SPACER MW WEAR PAD- 1/4" x 1/2" x 6 1/2" LG. "CORNER POST CAP SHEAVE PIN /8" THRUST BEARING			98 ·			·HHCS, 1/2-13 X 2 1/4" 18-8 ss	
37 007-05013-00 1 BAL	LL SCREW END STOP PLATE							
38 007-05023-00 4 TOP		SUB-ASSEMBLIES						
39 007-05024-00 4 BO	TTOM BEVEL GEAR - 1:1	101 · · 111-00188	8-00 · ·	V600	0 SIDE CRADLE	ASSEMB	LY (RIGHT)	
	VEL GEAR ADJUSTMENT SCREW			INCL	UDES ITEMS 6,1	0,31,32,3	3,43,45,49,66,69	
41 · · · 007-07625-00 · · · · 1 · · · · 4" (42 · · · 111-00198-00 · · · · 2 · · · · 7" L		102 111-00189						
43 007-07705-00 4 SPA					UDES ITEMS 6,1			
	ACER TUBE - FRONT CRADLE	103 111-00240						
	DE LEVELING CABLE - 190 1/2"	100 111 0024	0 00		UDES ITEMS 12,		,	
	ONT LEVELING CABLE - 213 3/8"	104 111 0010	4.00		,			
47 · 007-09161-00 · 1 · · · LIF 48 · 011-15000-00 · · 1 · · · 65"	BALL SCREW 40-10mm w/NUT	104 111-0018	4-00					
	SHEAVE W/BUSHING						25,26,34,35,41,42,68,70,77,79,94	
	5 ACME THREADED ROD - 41"	105 111-0018	5-01					
	CS, 1/2-20 x 1 1/4" BLACK			INCL	UDES ITEMS 15,	21,24,34,	36,55,56,59,79,108	
	" USS FLAT WASHER ZINC	106 111-00186	6-00 · ·	V600	0 CORNER POS	T ASSY (I	LF)	
	CS, 3/8-16 x 1 3/4" ss 18-8			INCL	UDES ITEMS 5,7	,8,15,16,2	22,34,54,55,79,108	
54 001-70118-00 4 HH0 55 001-70125-00 8 HH0	CS, 3/8-16 x 3 3/4" ss 18-8 CS, 3/8-16 x 6" ss 18-8	107 111-0018	7-00	V600	0 CORNER POS	T ASSY (I	IR)	
	BBER BUSHING	101 111 0010	. 00			•	34,54,55,59,79,108	
	/4" SHEAVE ASSY	108 111-0013	8-00					
58 · · · 001-70211-00 · · · · 8 · · · · · HH(CS, 1/2-13 x 2" ss 18-8	100 111-00130	0-00					
59 002-04227-00 2 FRA	AME BEAM CLAMP (LF RR)	400 444 0515	0.04		UDES ITEMS 19,			
60 001-70219-00 14 HH	CS, 1/2-13 x 4" ss 18-8	109 111-0019	U-01 · ·		# BALL SCREW			
61 · · · 001-70223-00 · · · · 6 · · · · · HH0	US, 1/2-13 X 5" SS 18-8 SHFF1	Γ 2 OF 12		INCL	UDES ITEMS 23,	36,37,47,	48,51,52,62,67,72,80,81,84,91,92,93,95,96,9),
	SHEET	201 12						

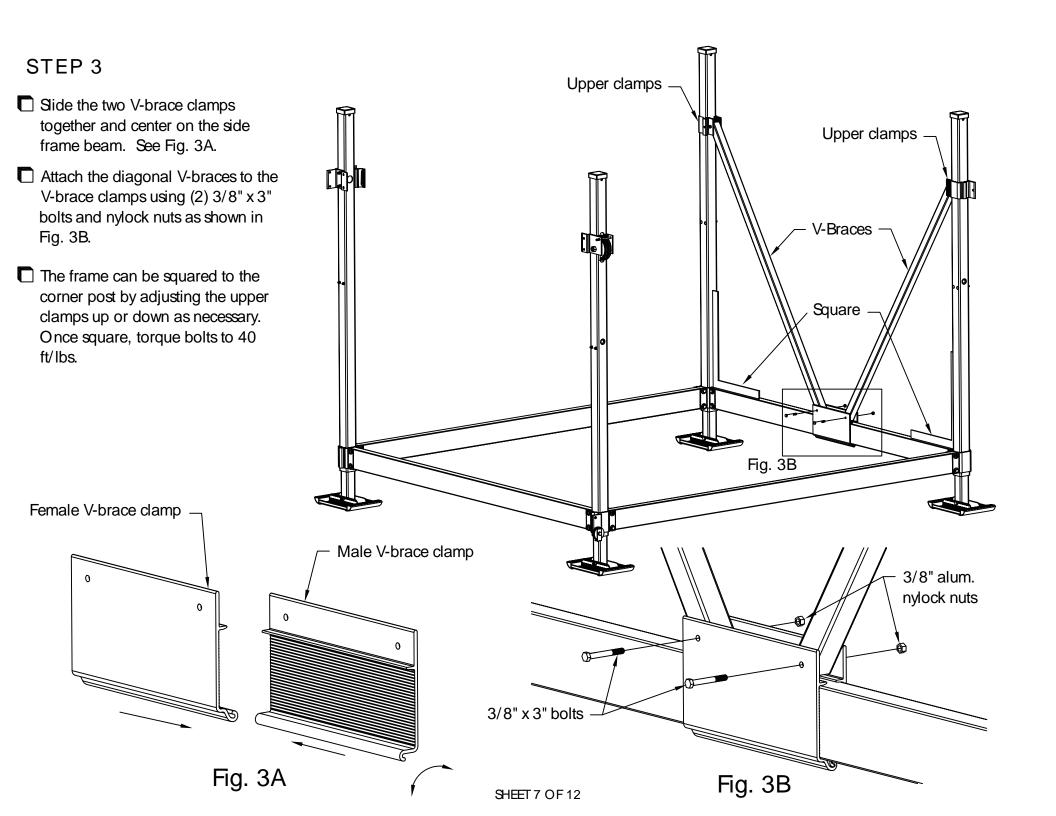
VSD-6000 FRAME EXPLODED VIEW









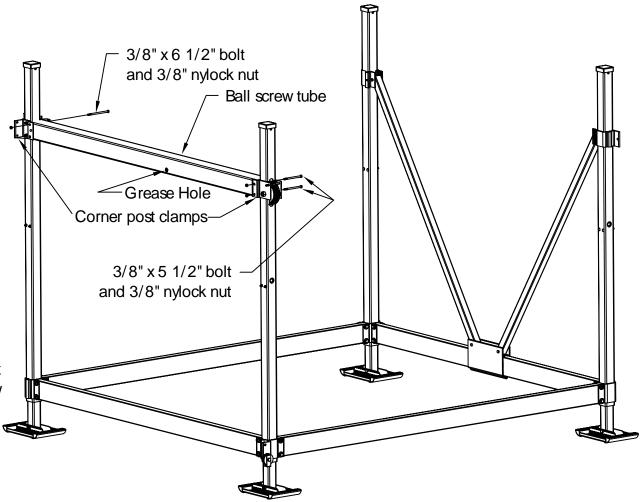


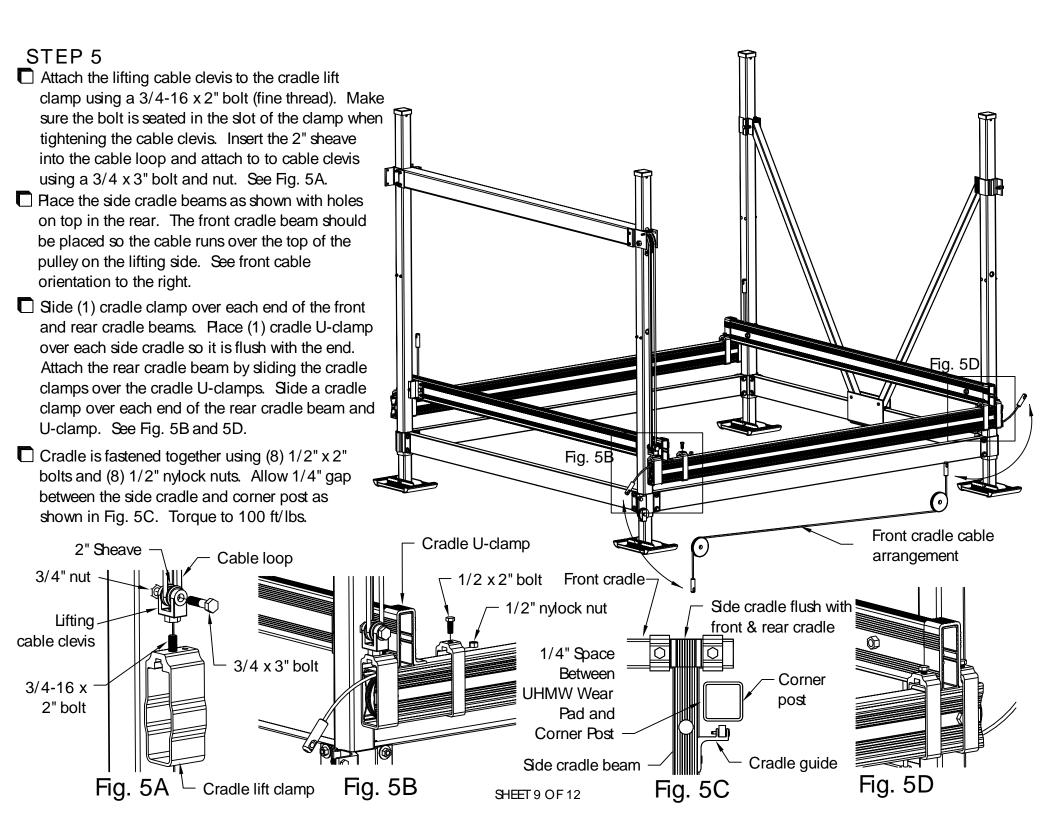
STEP 4

The 109" ball screw tube is attached using the pre-installed clamps on the corner posts. Orient the tube so the large grease hole is on the side facing out. Pull the cable out the other end so there are no kinks in the cable.

Hoist the tube up and insert the end of the ball screw into the hole in corner post. Insert the cable from the other end in the corner post slot and over the pulley.

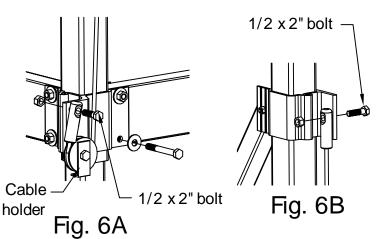
Attach the cable end of the tube using (2) 3/8" x 6" bolts and (2) 3/8" nylock nuts. The ball screw end is attached using a 3/8" x 6" bolt and 3/8" nylock nut in the top hole. Do not fasten a bolt in the bottom hole at this time.

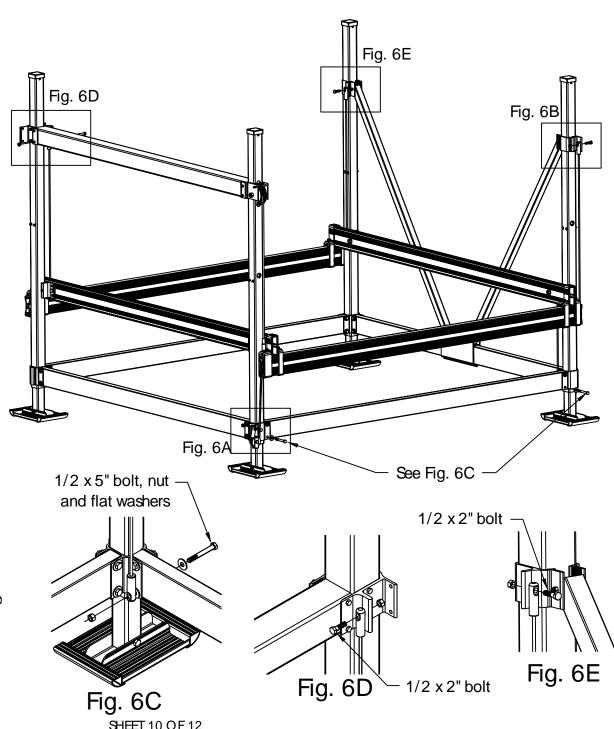


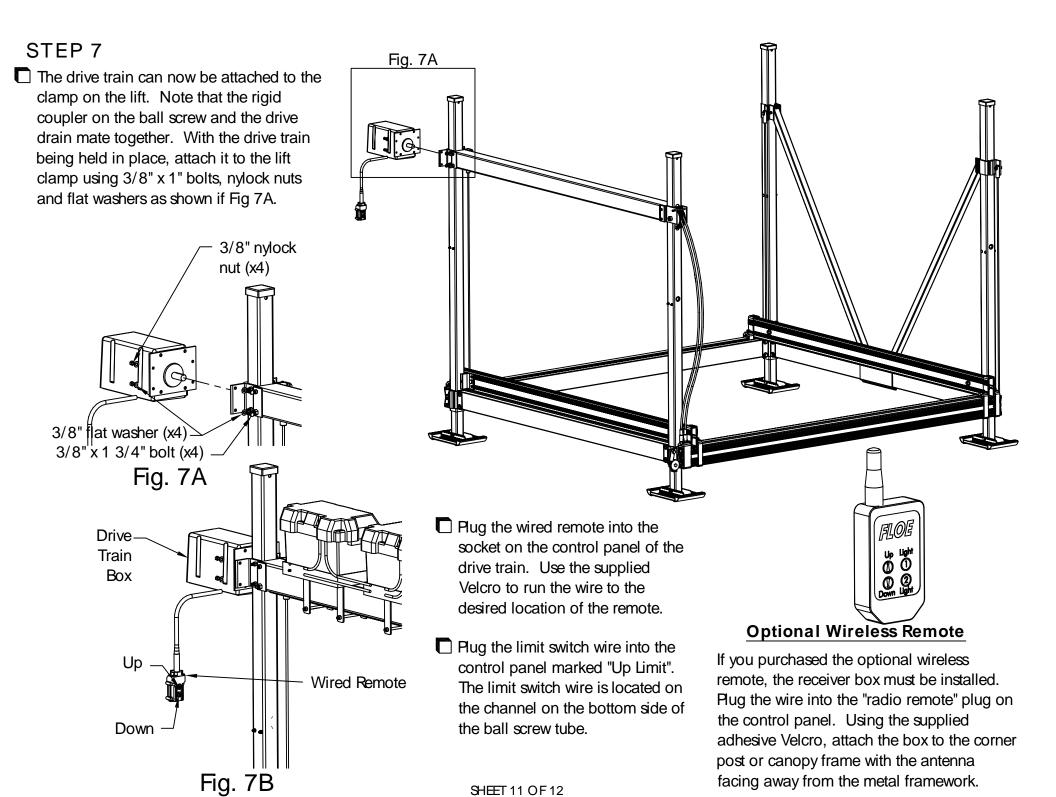


STEP 6

- Remove the cable holder and insert the front cable into groove on the sheave. Re-attach the cable holder and sheave to clamp. Wrap the cable around sheave and attach to the clamp with a 1/2" x 2" bolt and nylock nut. See Fig. 6A. Torque to 60 ft/lbs.
- Attach the other end of the cable by lifting the opposite side of the front cradle and fastening with a 1/2" x 2" bolt and nylock nut as shown in Fig. 6B. Torque to 60 ft/lbs.
- Fasten the side cables to the lower frame clamps using 1/2" x 5" bolts and nylock nuts as shown in Fig. 6C. Check front corner posts for square and torque to 100 ft/lbs.
- The ball screw side cable is attached to the upper clamp using a 1/2" x 2" bolt and nylock nut. See Fig. 6D. The other side cable is attached to the upper clamp using a 1/2" x 2" bolt and nylock nut as shown in Fig. 6E. Torque both bolts to 60 ft/lbs.







SHEET 11 OF 12

facing away from the metal framework.

6000# VSD Boat Lift 24 Volt Battery Connection Diagram

- Connect the red wire from the drive train to the positive post of one battery. Connect the black wire from the drive train to the negative post of the other battery.
- 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. Place the covers on the battery boxes and
 strap it through the slots on the battery tray.

