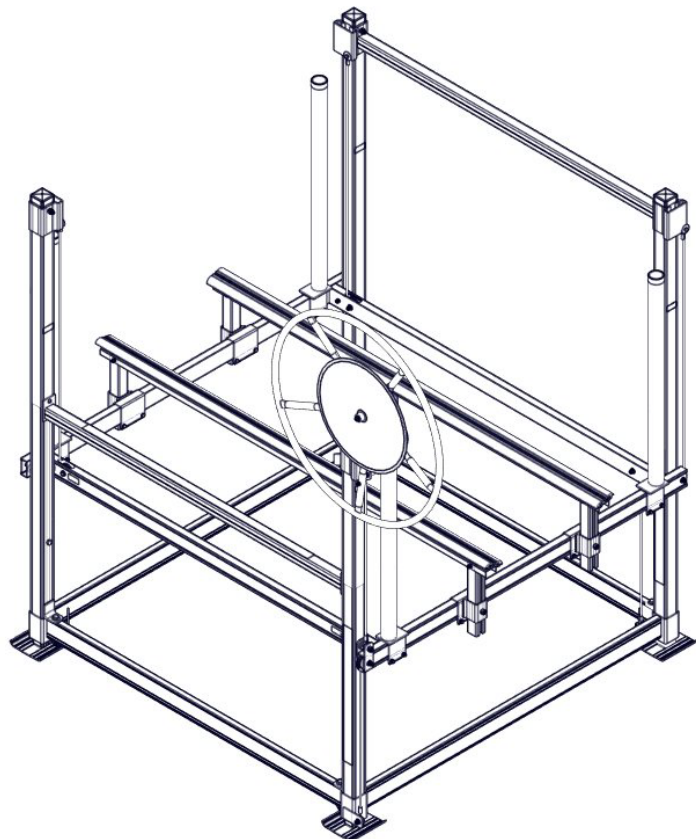


FLOE V1600 PWC WINCHES

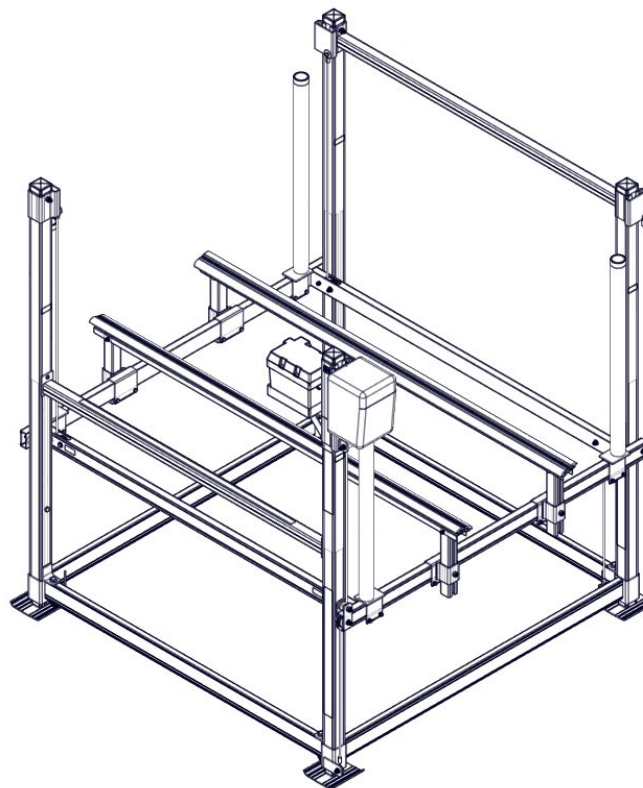
P/N 511-11329-00 MANUAL WINCH

P/N 511-51100-01 DC WINCH

ASSEMBLY INSTRUCTIONS



MANUAL WINCH



DC WINCH

IMPORTANT!

APPLY A HIGH
QUALITY
WATERPROOF
LITHIUM GREASE TO
WINCH CABLE AND
GEARS ANNUALLY.
DO NOT GREASE
BRAKE.

TOOLS REQUIRED

- (2) 9/16" SOCKETS/WRENCHES
- 3/4" SOCKET/WRENCH
- TORQUE WRENCH

RECOMMENDED BATTERIES
ON PAGE 4 (DC WINCH)

IMPORTANT (DC WINCHES)
TURN KEY ON WIRED REMOTE TO "OFF" POSITION
WHEN THE LIFT IS NOT IN USE

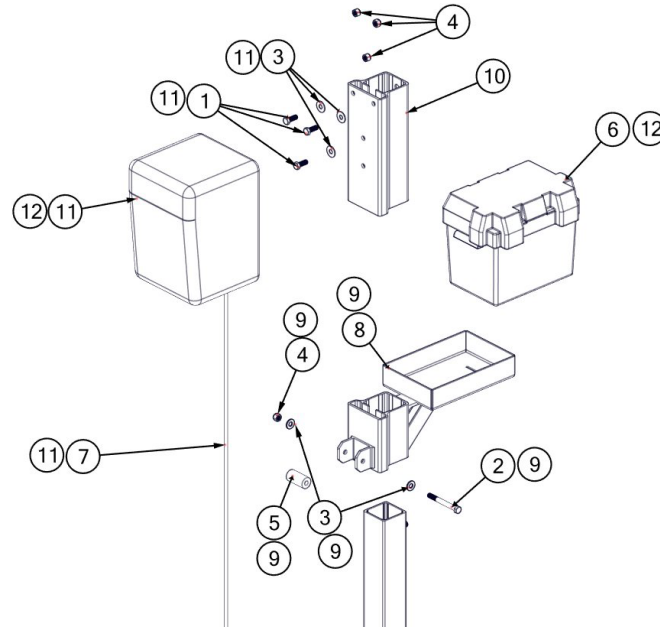
P/N 511-11329-00

V1600 PWC DC WINCH BILL OF MATERIALS/EXPLODED VIEW

P/N 511-51100-01

NO.	PART NUMBER	DESCRIPTION	QTY
1	001-70105-00	HHCS, 3/8-16 X 1" 18-8 SS	3
2	001-70117-00	HHCS, 3/8-16 X 3-1/2" 18-8 SS	1
3	001-71018-00	FLAT WASHER, 3/8" USS SS 18-8	5
4	001-76071-00	NUT, NYLOCK 3/8-16 ALUM.	22
5	007-00031-00	GUIDE, WINCH ROLLER – 2"	1
6	007-05375-00	BOX, BATTERY #9082-1	1
7	007-08705-00	CABLE, DC WINCH V1600 PWC	1
8	111-00459-00	WELD'T, BATTERY TRAY/FAIRLEAD V1600 PWC	1
9	111-11336-00	ASS'Y, BATTERY TRAY/FAIRLEAD V1600 PWC (INCLUDES 2, 3, 5, 6, 9)	1
10	111-11340-00	ASS'Y, DC WINCH MOUNT V1600 PWC	1
11	511-51055-00	WINCH, DC - V1600 PWC (UPDATED HARNESS) (INCLUDES 1, 4, 5, 8, 11)	1
12	511-51100-01	WINCH, DC - V1600 PWC (WINCH ASSEMBLY, BATTERY BOX, AND TRAY) (INCLUDES 7,10, 12)	1
13*	014-02310-00	VELCRO, 1/2" DOUBLE SIDE BLACK	1 YD.
14*	111-70011-00	REMOTE, WIRED 10' W/ KEY SWITCH	1

*NOT SHOWN



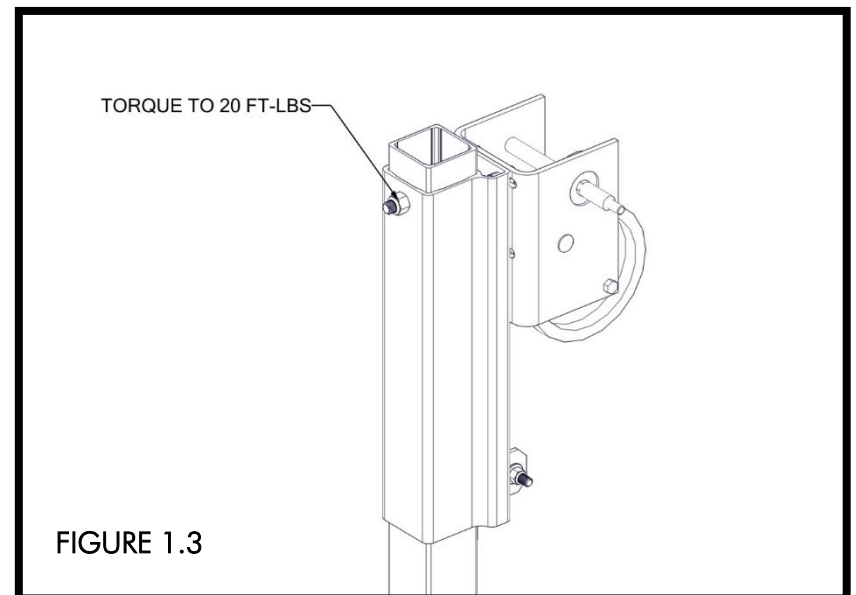
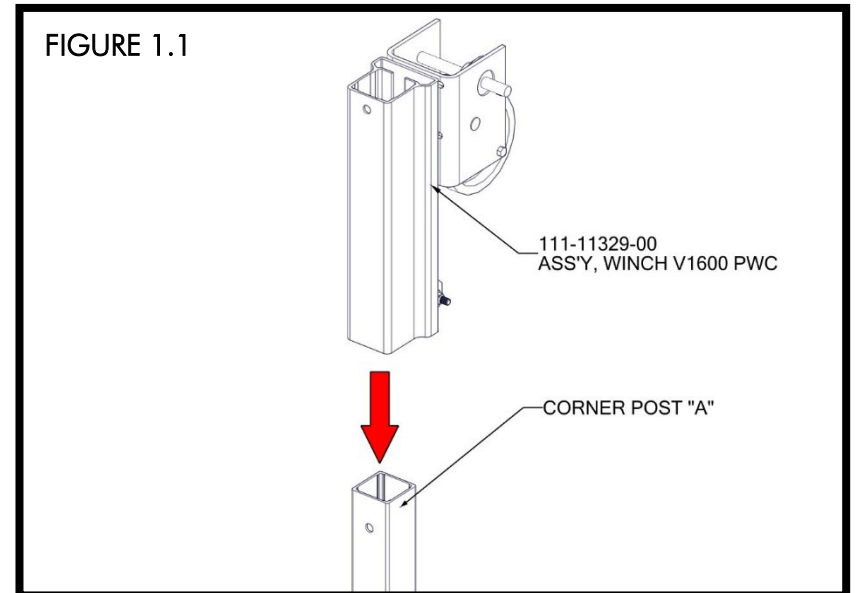
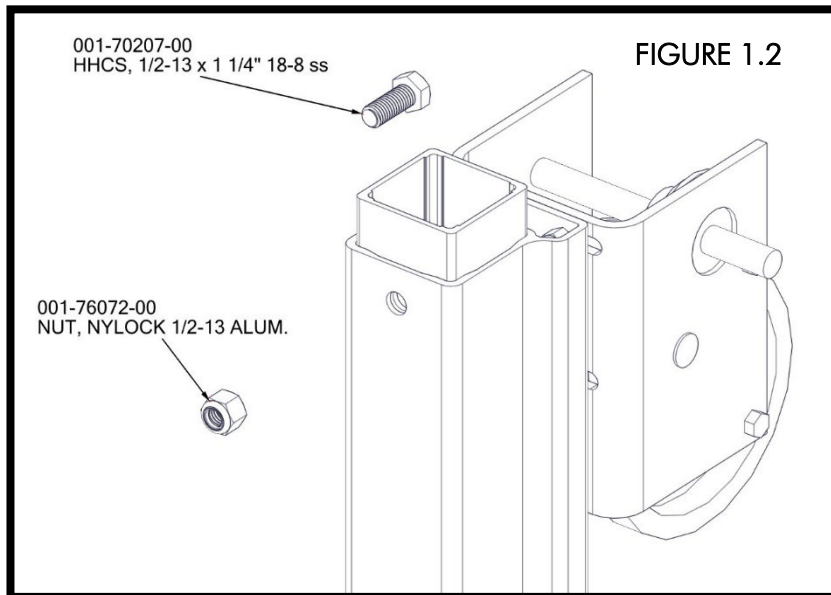
BATTERY RECOMMENDATIONS (DC WINCH)

DEEP CYCLE, GROUP U1

1. INTERSTATE DCM0035 (AGM)
12V, 35 AMP-HR
2. DURACELL ULTRA SLADC12-35J (AGM)
12V, 35 AMP-HR
3. UNIVERSAL BATTERY UB12350-D5722 (SLA)
12V 35 AMP-HR
4. MIGHTY MAX BATTERY ML35-12 (SLA)
12V, 35 AMP-HR
5. LIFELINE BATTERY GPL-U1T (AGM)
12V, 33 AMP-HR
6. UNIVERSAL POWER GROUP U1GEL-D5870 (GEL)
12V, 31.6 AMP-HR
7. MK BATTERY 8GU1 (GEL)
12V, 31 AMP-HR

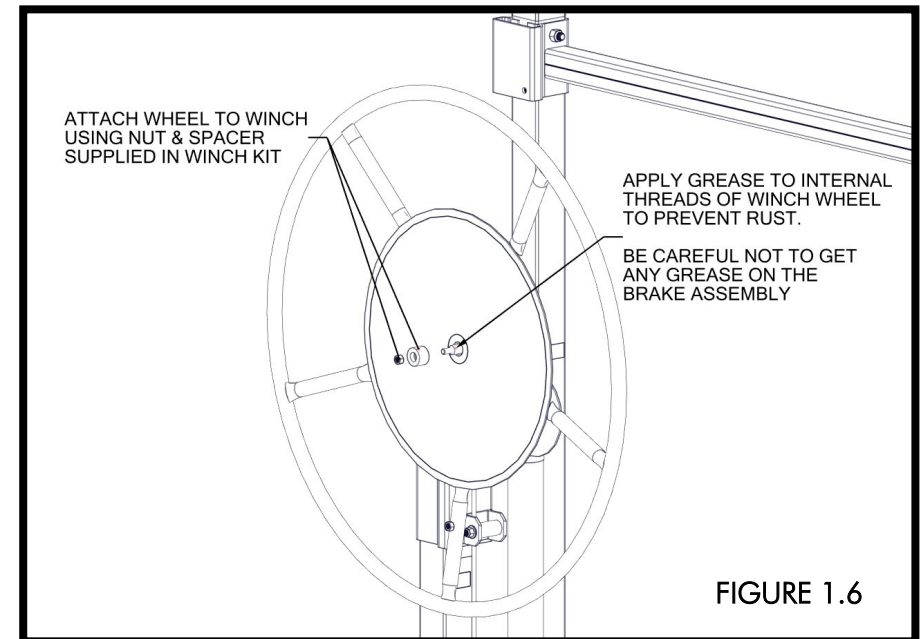
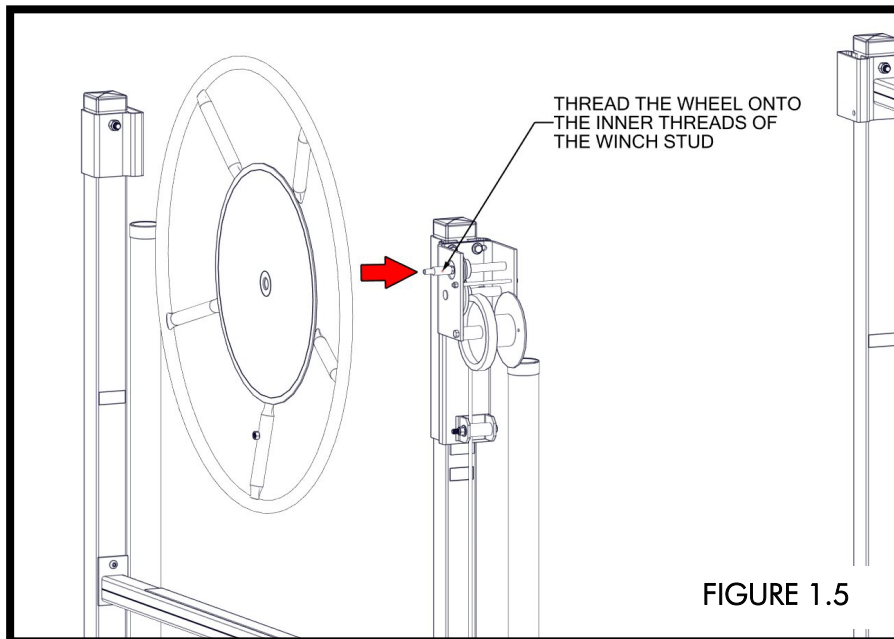
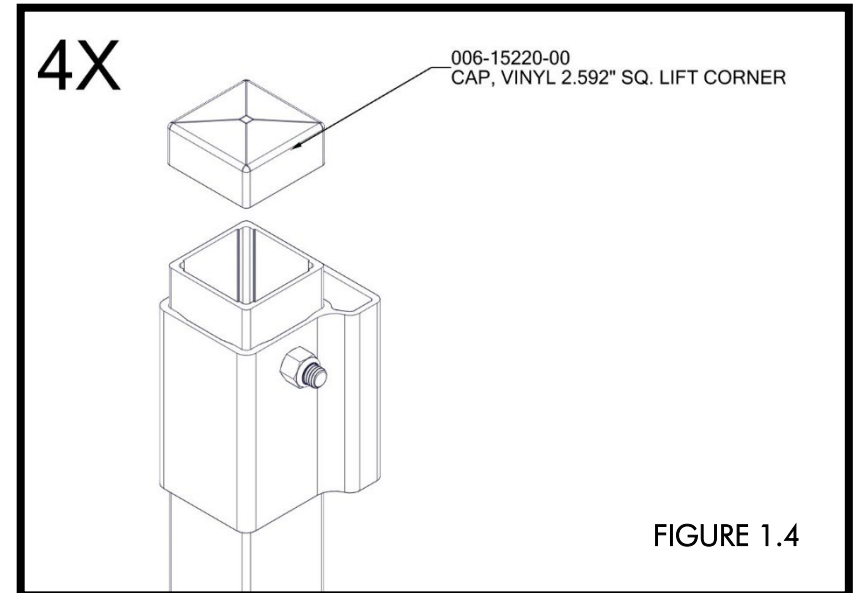
MANUAL WINCH INSTALLATION

- SLIDE WINCH ASSEMBLY ONTO CORNER POST "A" (FIGURE 1.1).
- ATTACH WINCH ASSEMBLY TO CORNER POST WITH 1/2" x 1-1/4" BOLT AND 1/2" NYLOCK NUT (INCLUDED WITH LIFT FRAME HARDWARE) (FIGURE 1.2).



MANUAL WINCH INSTALLATION

- PLACE VINYL CAPS ON EACH CORNER POST (FIGURE 1.4).
- THREAD WHEEL ONTO THE INNER THREADS OF THE WINCH STUD (FIGURE 1.5)
- APPLY GREASE TO THE INTERNAL THREADS TO PREVENT RUST. BE CAREFUL NOT TO GET ANY GREASE ON THE BRAKE ASSEMBLY. ATTACH WHEEL TO WINCH USING NUT AND SPACER SUPPLIED IN WINCH KIT (FIGURE 1.6).

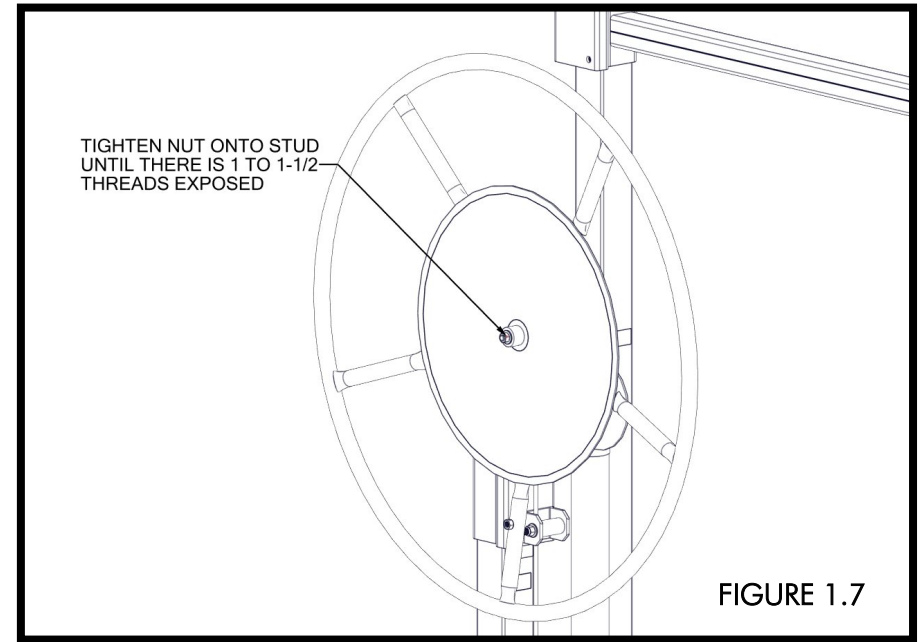


MANUAL WINCH INSTALLATION

- TIGHTEN NUT ONTO STUD UNTIL THERE IS 1 TO 1-1/2 THREADS EXPOSED (FIGURE 1.7).
- REFER TO STEP 6 OF FRAME INSTRUCTIONS FOR ATTACHING CABLE TO CRADLE.

IMPORTANT!

APPLY A HIGH QUALITY WATERPROOF LITHIUM GREASE TO WINCH CABLE AND GEARS ANNUALLY.
DO NOT GREASE BRAKE.



CAUTION

WHEN GREASING CABLE, BE WARY OF POSSIBLE PROTRUDING WIRES THAT MAY BE STICKING OUT OF WIRE ROPE. THIS MAY OCCUR WITH OLDER WORN CABLES.

MANUAL WINCH INSTALLATION

- PUSH UP ON CRADLE ON SIDE OPPOSITE OF THE LIFTING POST TO ALLOW FOR BOLTS, WASHERS, AND LIFTING CABLE TO BE INSERTED BETWEEN TABS (FIGURE 1.8).
- ATTACH LIFTING CABLE TO TABS ON CRADLE BEAM USING (1) 1/2" x 2 1/2" BOLT, (1) 1/2" NYLON WASHERS, AND (1) 1/2" NYLOCK NUT (INCLUDED WITH LIFT FRAME HARDWARE).. NOTE ORIENTATION (FIGURE 1.9).
- TORQUE NUT TO 25 FT-LBS (FIGURE 1.10).

FIGURE 1.8

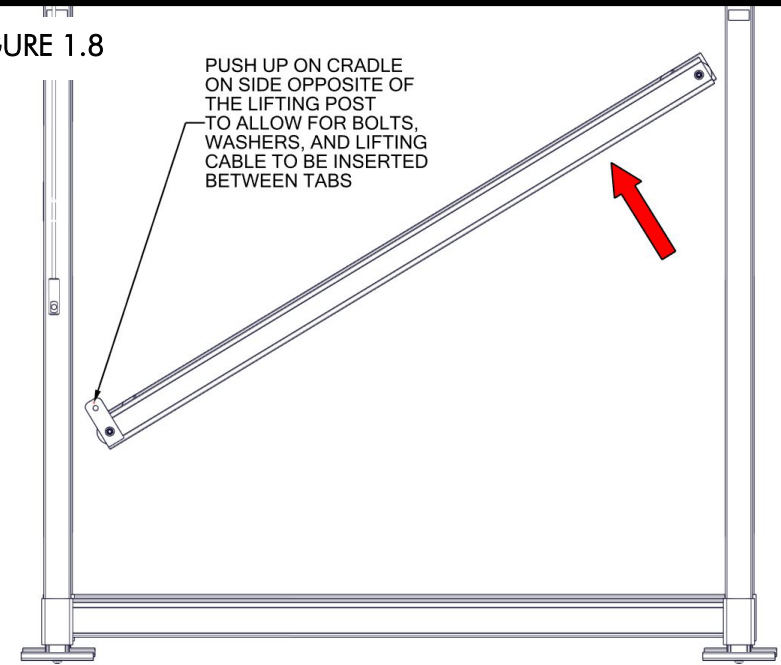


FIGURE 1.9

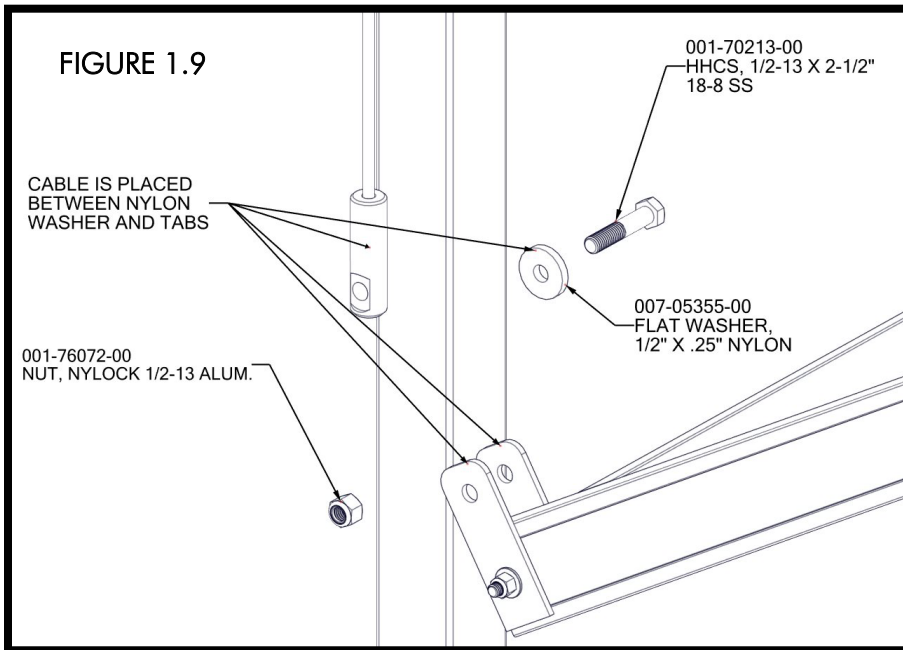
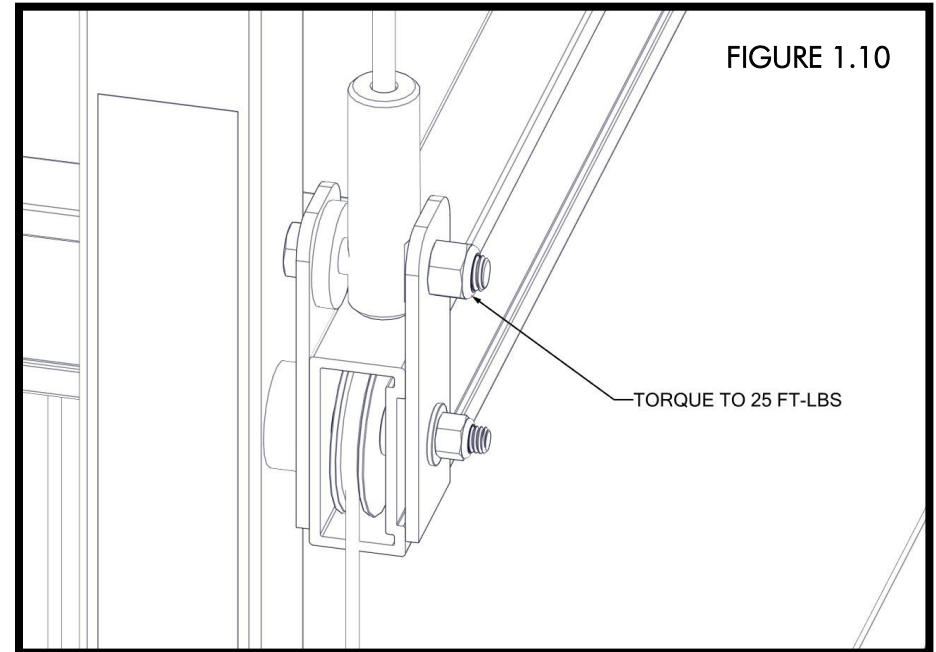
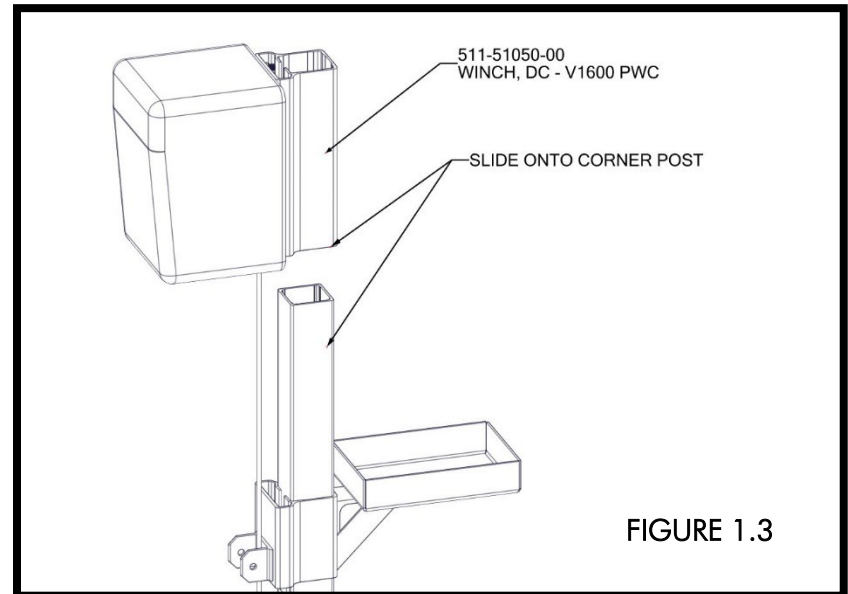
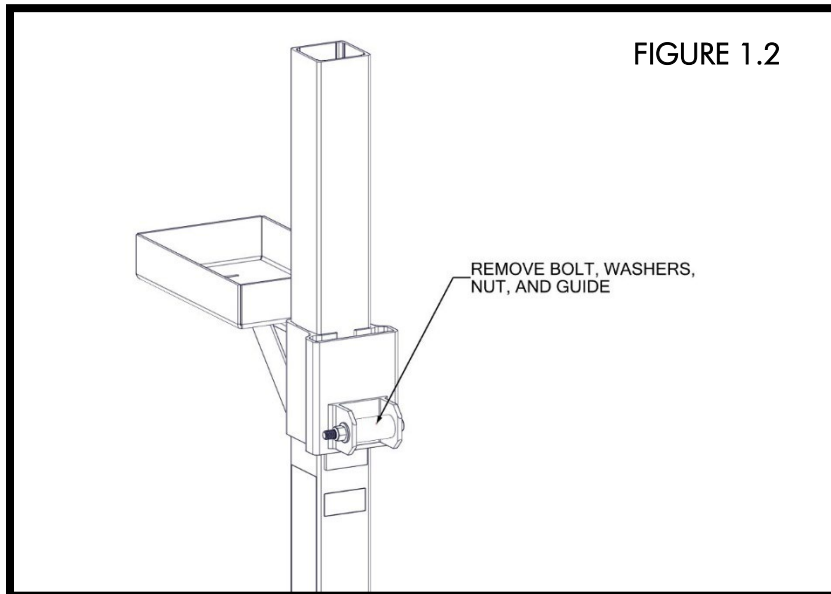
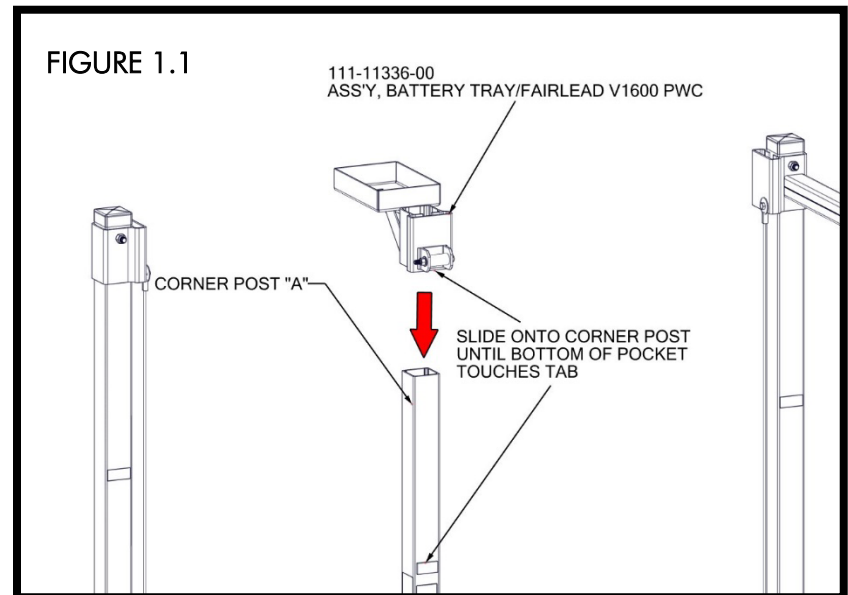


FIGURE 1.10



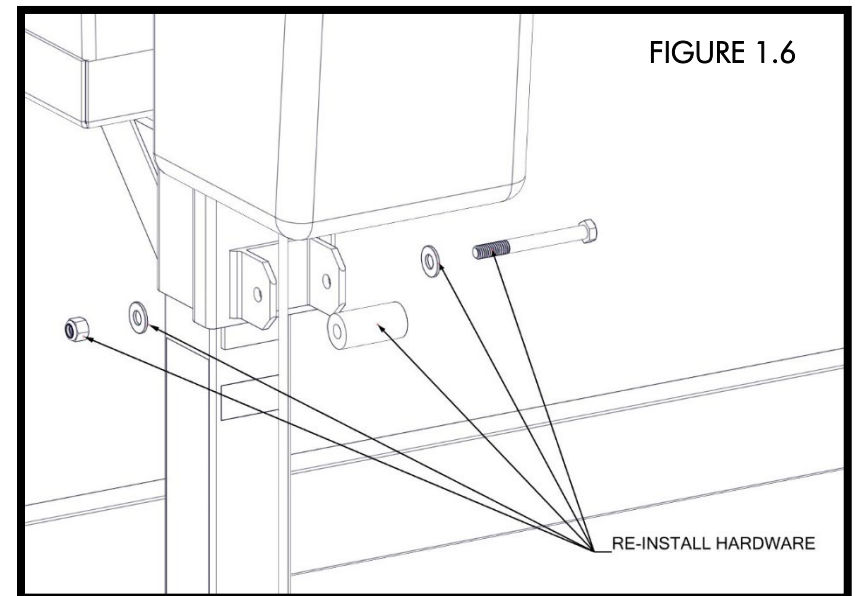
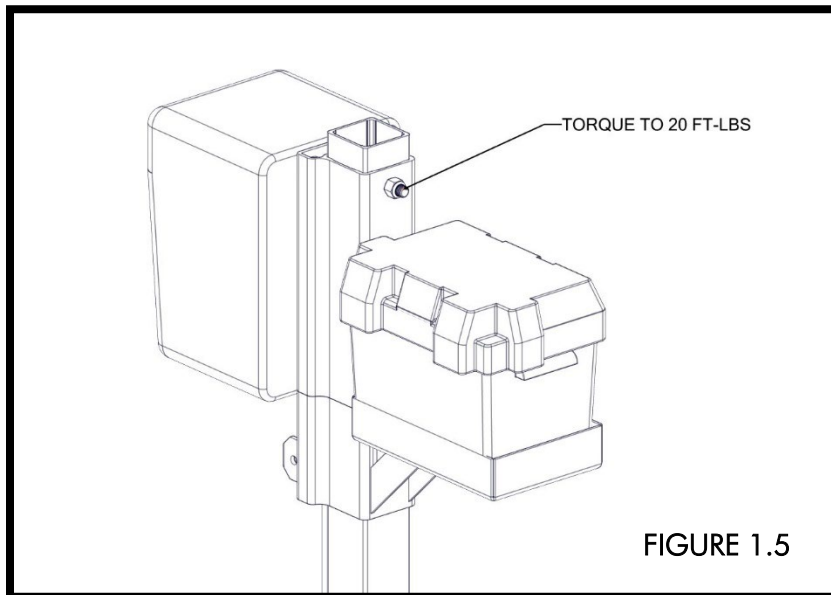
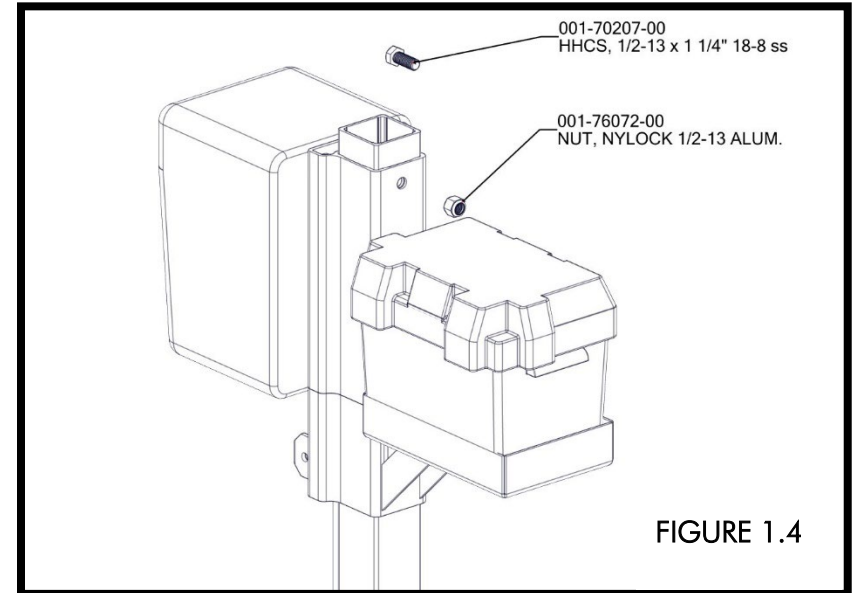
DC WINCH INSTALLATION

- SLIDE BATTERY TRAY ONTO CORNER POST "A" UNTIL BOTTOM OF POCKET TOUCHES TAB (FIGURE 1.1).
- REMOVE BOLT, WASHERS, NUT, AND GUIDE (FIGURE 1.2). THIS IS TO PLACE LIFTING CABLE BEHIND GUIDE.
- SLIDE DC WINCH ASSEMBLY ONTO CORNER POST "A" (FIGURE 1.3).



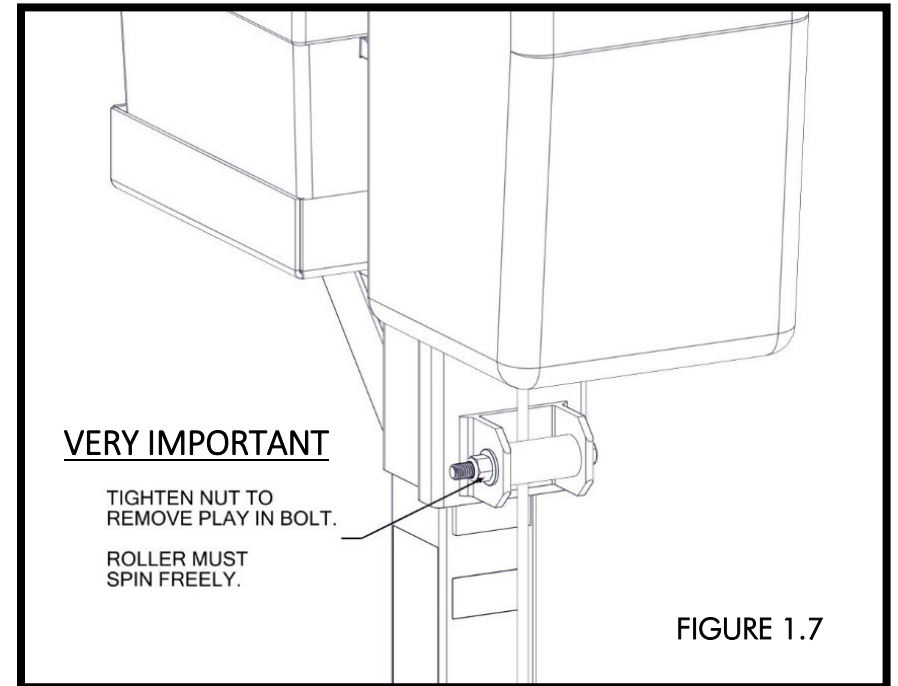
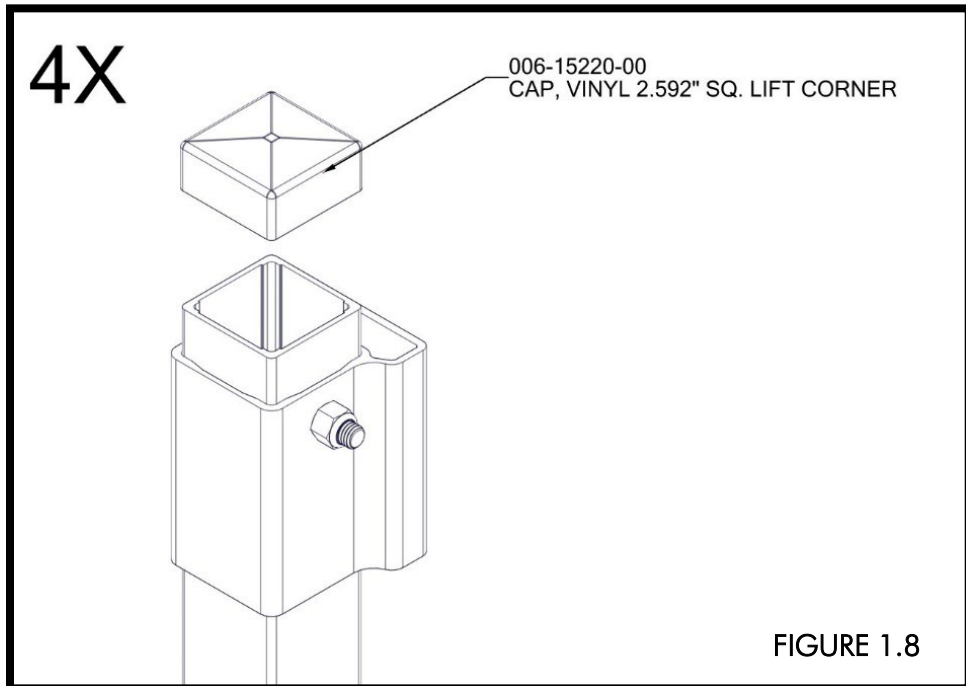
DC WINCH INSTALLATION

- ATTACH DC WINCH ASSEMBLY TO CORNER POST WITH 1/2" x 1-1/4" BOLT AND 1/2" NYLOCK NUT (INCLUDED WITH LIFT FRAME HARDWARE) (FIGURE 1.4).
- TORQUE NUT TO 20 FT-LBS (FIGURE 1.5).
- RE-INSTALL BOLT, WASHERS, NUT, AND ROLLER INTO BRACKET WITH WINCH CABLE BETWEEN ROLLER AND BRACKET (FIGURE 1.6).



DC WINCH INSTALLATION

- VERY IMPORTANT! TIGHTEN NUT TO REMOVE PLAY IN BOLT. ROLLER MUST SPIN FREELY (FIGURE 1.7).
- PLACE VINYL CAPS ON EACH CORNER POST (FIGURE 1.8).
- REFER TO STEP 6 OF FRAME INSTRUCTIONS FOR ATTACHING CABLE TO CRADLE.



DC WINCH INSTALLATION

- PUSH UP ON CRADLE ON SIDE OPPOSITE OF THE LIFTING POST TO ALLOW FOR BOLTS, WASHERS, AND LIFTING CABLE TO BE INSERTED BETWEEN TABS (FIGURE 1.8).
- ATTACH LIFTING CABLE TO TABS ON CRADLE BEAM USING (1) 1/2" x 2 1/2" BOLT, (1) 1/2" NYLON WASHERS, AND (1) 1/2" NYLOCK NUT (INCLUDED WITH LIFT FRAME HARDWARE). NOTE ORIENTATION (FIGURE 1.9).
- TORQUE NUT TO 25 FT-LBS (FIGURE 1.10).

FIGURE 1.8

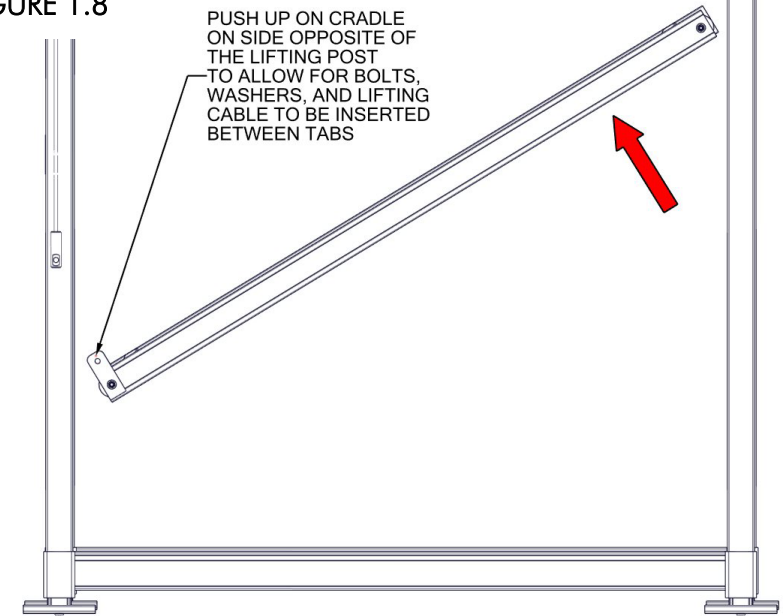


FIGURE 1.9

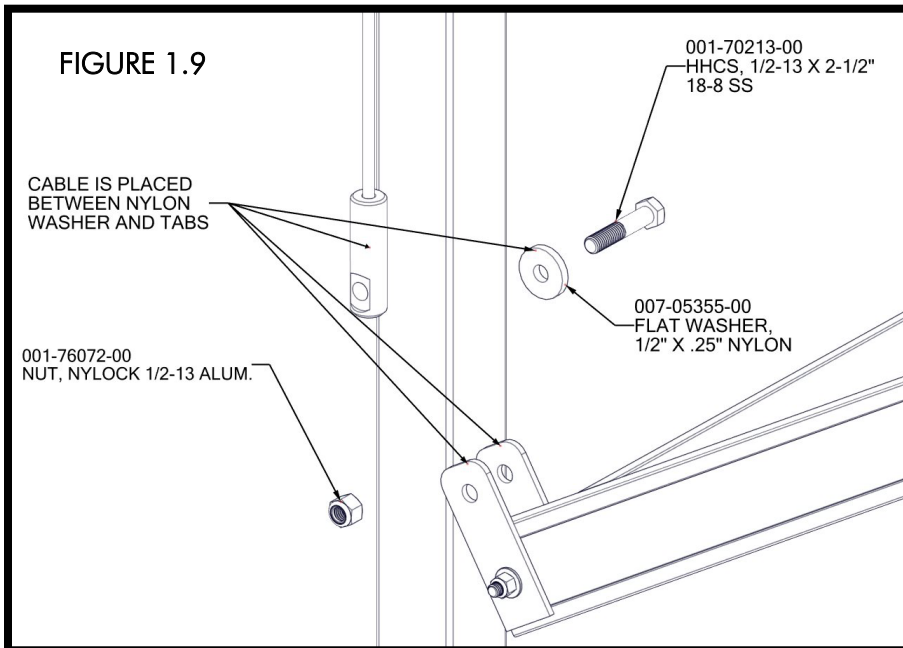
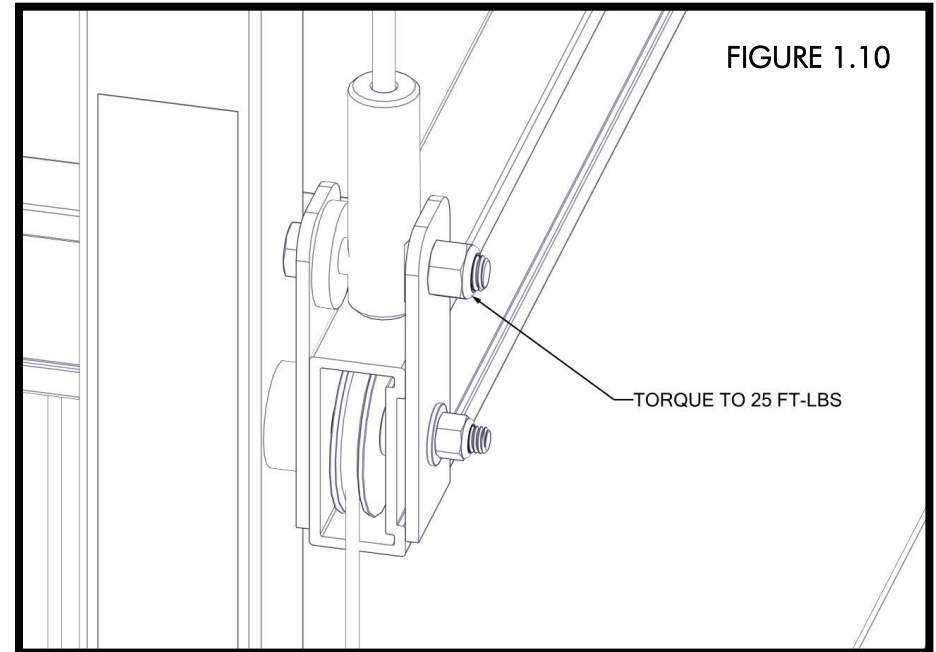


FIGURE 1.10



DC WINCH INSTALLATION



CAUTION

WHEN GREASING CABLE, BE WARY OF POSSIBLE PROTRUDING WIRES THAT MAY BE STICKING OUT OF WIRE ROPE. THIS MAY OCCUR WITH OLDER WORN CABLES.

IMPORTANT!

APPLY A HIGH QUALITY WATERPROOF LITHIUM GREASE TO WINCH CABLE AND GEARS ANNUALLY.
DO NOT GREASE BRAKE.

IMPORTANT (DC WINCHES)

TURN KEY ON WIRED REMOTE TO "OFF" POSITION WHEN THE LIFT IS NOT IN USE

NOTES

NOTES

