FLOE SOLAR PANEL MAST CLAMP
V1600 PWC

ASSEMBLY INSTRUCTIONS

KIT P/N 511-01359-00

FLOE
DOCKS & LIFTS
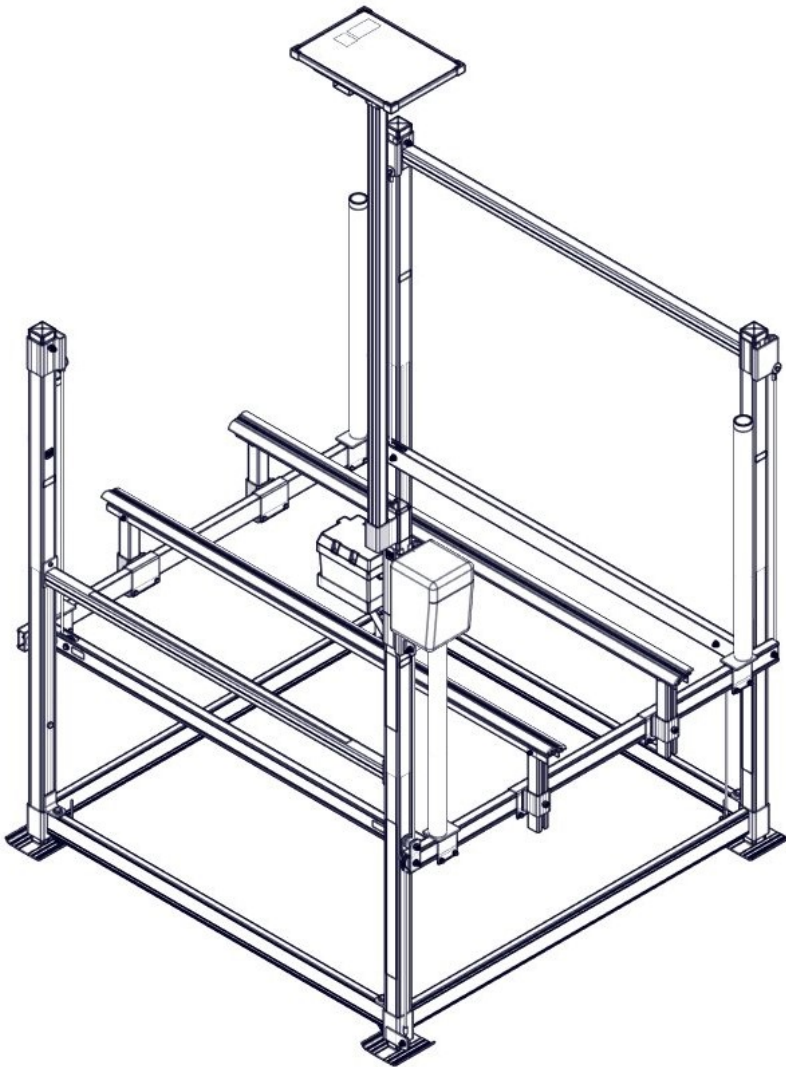
TOOLS REQUIRED
-9/16" SOCKET/WRENCH
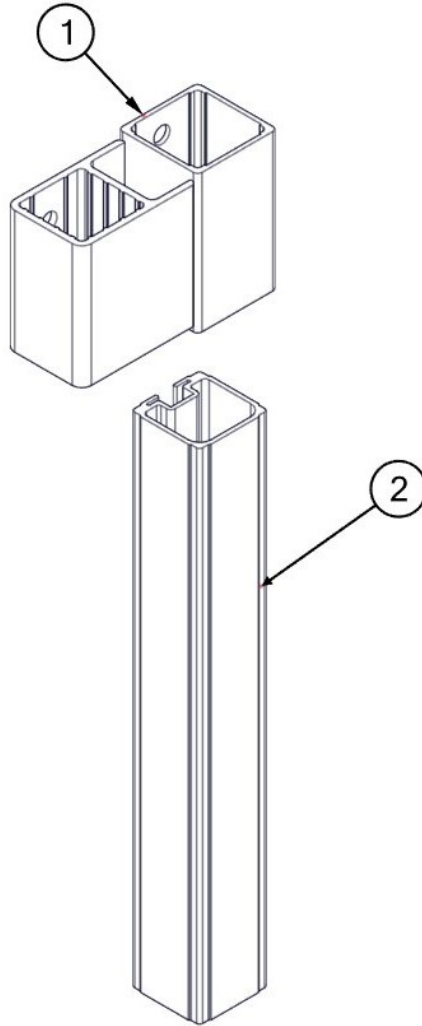-3/4" SOCKET/WRENCH
-TORQUE WRENCH
-TAPE MEASURE

*LIFT & SOLAR PANEL KIT NOT INCLUDED

NOTE:
REQUIRES 511-01356-00 (SOLD SEPARATELY)

BILL OF MATERIALS/EXPLODED VIEW

P/N 511-01359-00	MOUNT, LOWER SP MAST CLAMP, V1600		
NUMBER	PART NUMBER	QTY.	DESCRIPTION
1	111-00490-00	1	WELD'T, V1600 SOLAR PANEL LOWER CLAMP
2	910-16102-00	1	TUBE, INNER LIFT/DOCK 16.25"

STEP 1

IF INSTALLED, REMOVE VINYL CAP FROM TOP OF CORNER POST "A" (FIGURE 1.1). LOOSEN ½" NYLOCK NUT ON DC WINCH MOUNT, BUT DO NOT REMOVE (FIGURE 1.2).

FIGURE 1.1

REMOVE VINLY CAP
FROM TOP OF CORNER POST "A"

FIGURE 1.2

LOOSEN 1/2" NUT ON WINCH MOUNT

DO NOT REMOVE
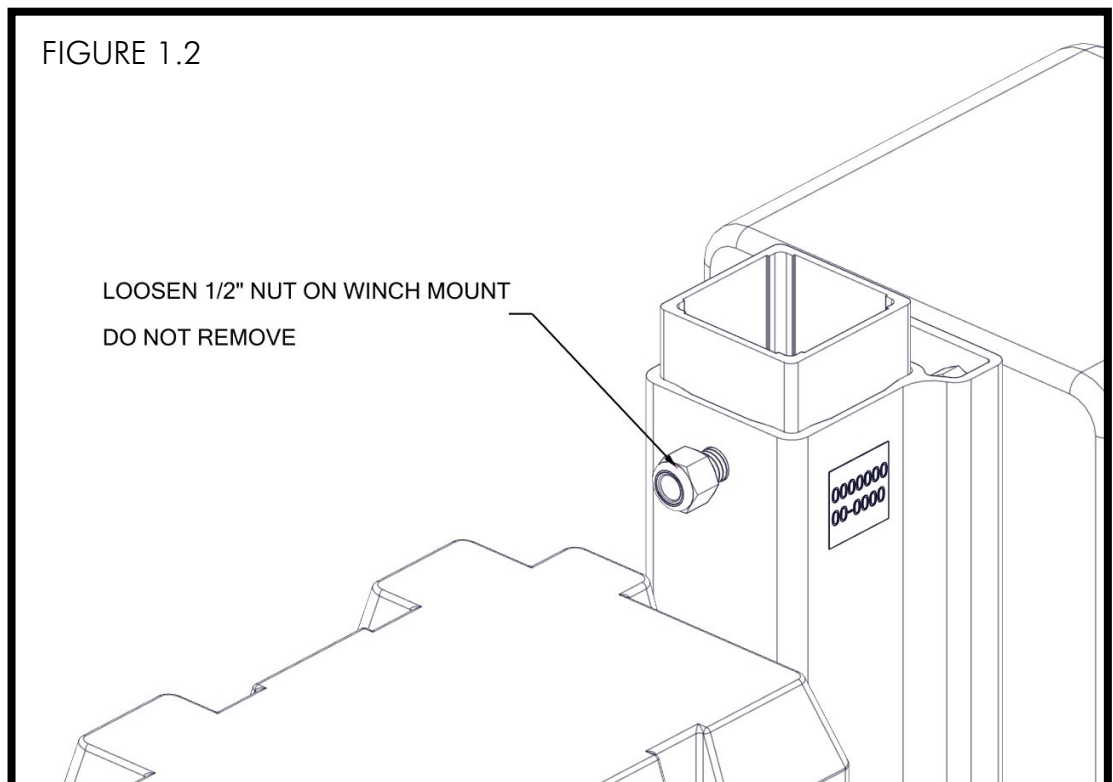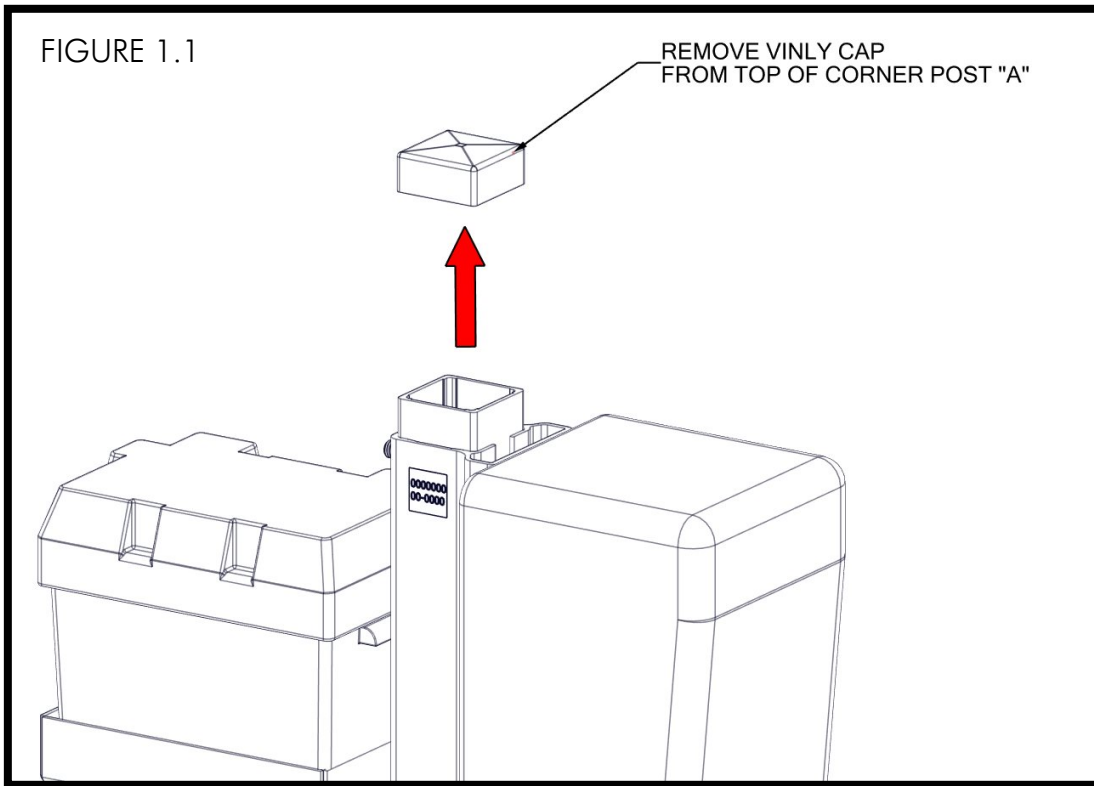
INSTALL INSERT INTO CORNER POST WHILE LEAVING 5 INCHES EXPOSED FROM TOP OF CORNER POST (FIGURE 1.3 & 1.4). TORQUE ½" NUT TO 60 FT-LBS (FIGURE 1.4).

FIGURE 1.3

910-16102-00
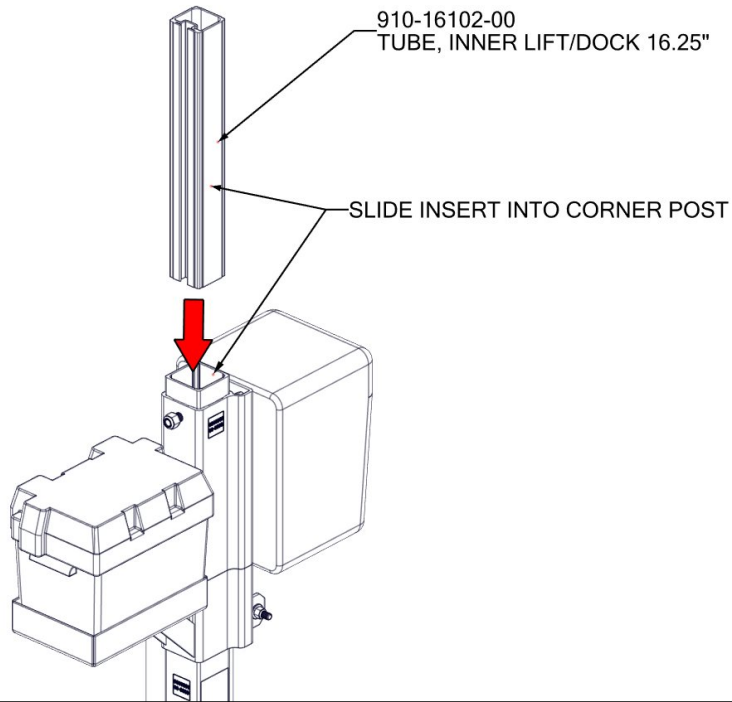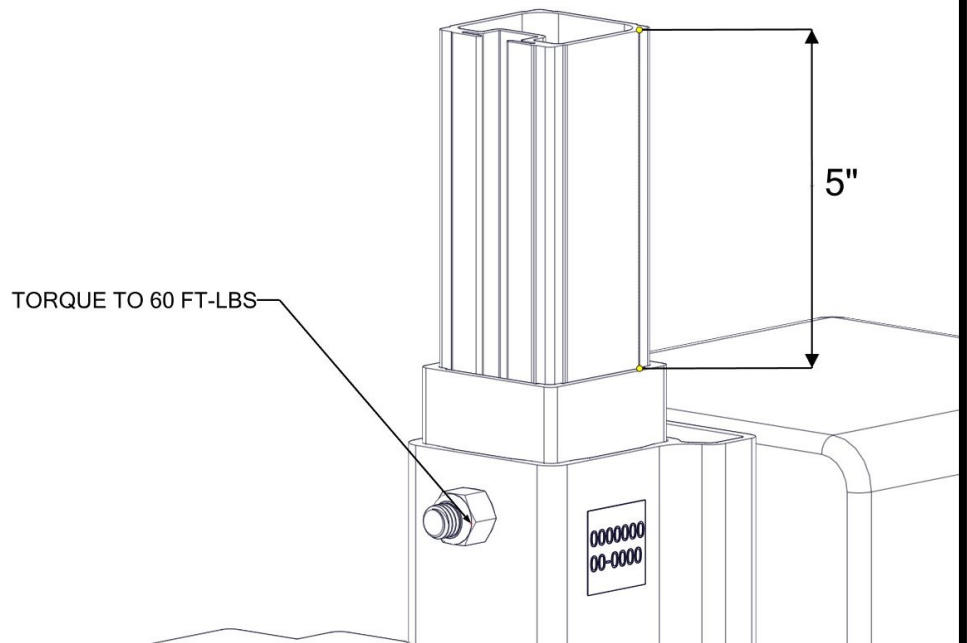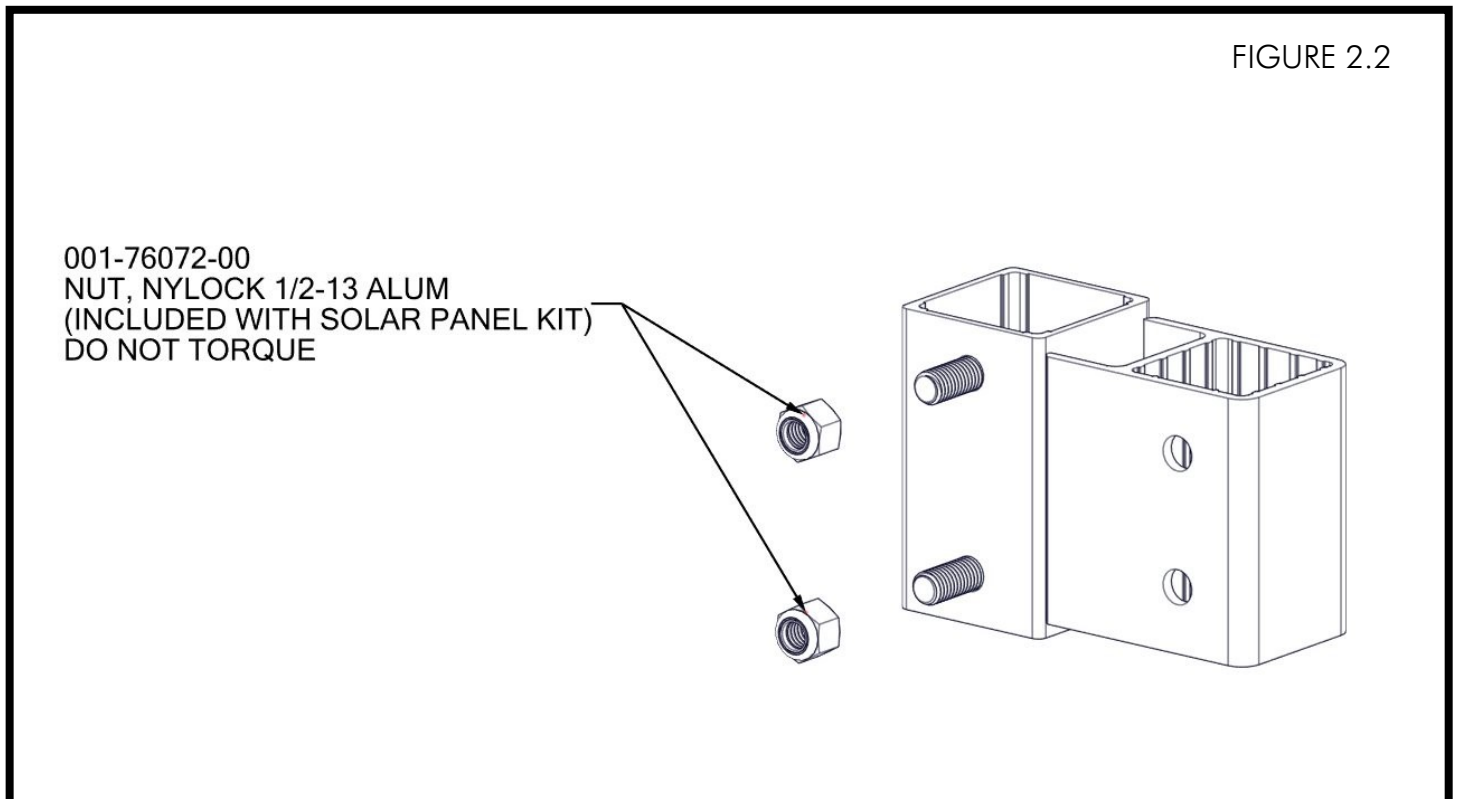TUBE, INNER LIFT/DOCK 16.25"

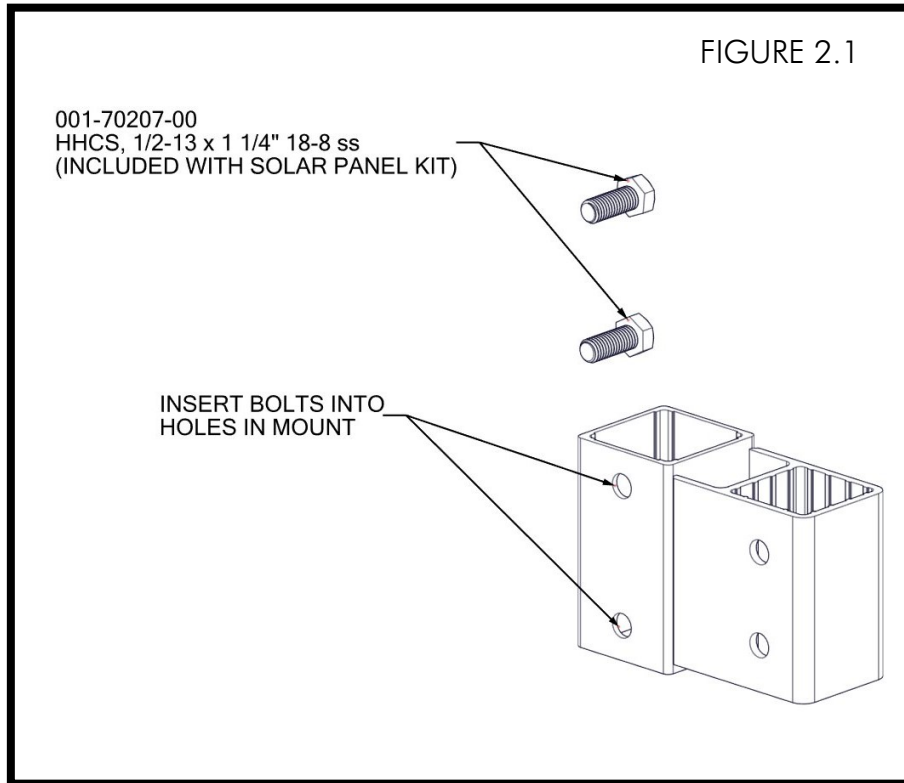SLIDE INSERT INTO CORNER POST

FIGURE 1.4

5"

TORQUE TO 60 FT-LBS

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00-0000

STEP 2

INSTALL (2) ½" X 1 1/4" BOLTS (INCLUDED IN SOLAR PANEL KIT) INTO CLAMP WELDMENT (FIGURE 2.1). PLACE (2) ½" NYLOCK NUTS ON BOLTS (INCLUDED WITH SOLAR PANEL KIT). DO NOT TORQUE (FIGURE 2.2).

FIGURE 2.1

001-70207-00
HHCS, 1/2-13 x 1 1/4" 18-8 ss
(INCLUDED WITH SOLAR PANEL KIT)

INSERT BOLTS INTO
HOLES IN MOUNT

FIGURE 2.2

001-76072-00
NUT, NYLOCK 1/2-13 ALUM
(INCLUDED WITH SOLAR PANEL KIT)
DO NOT TORQUE
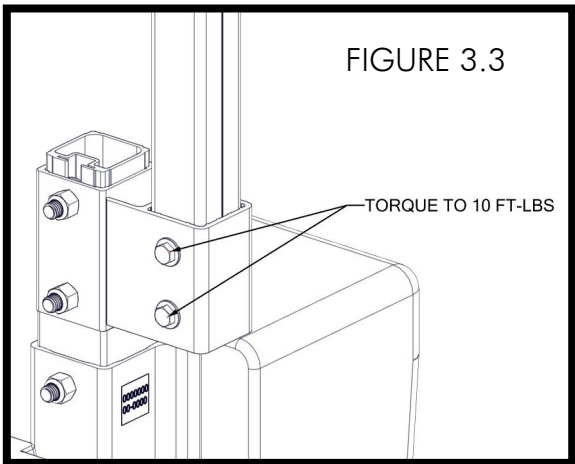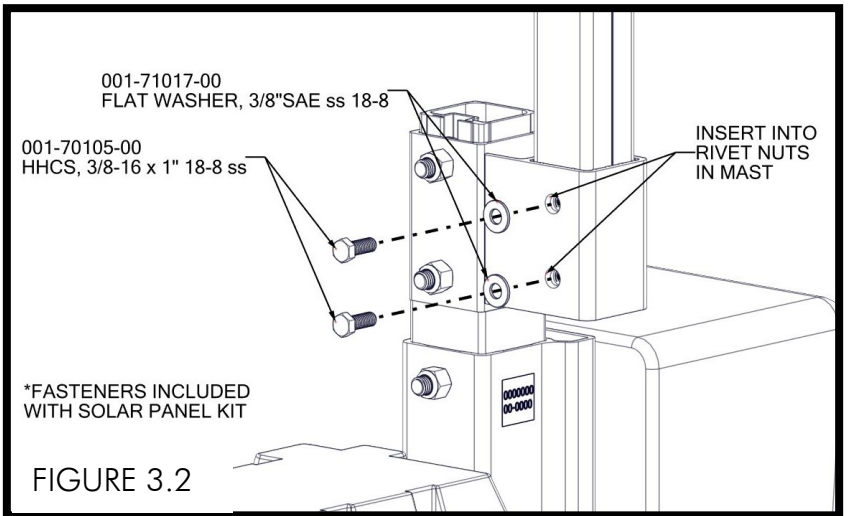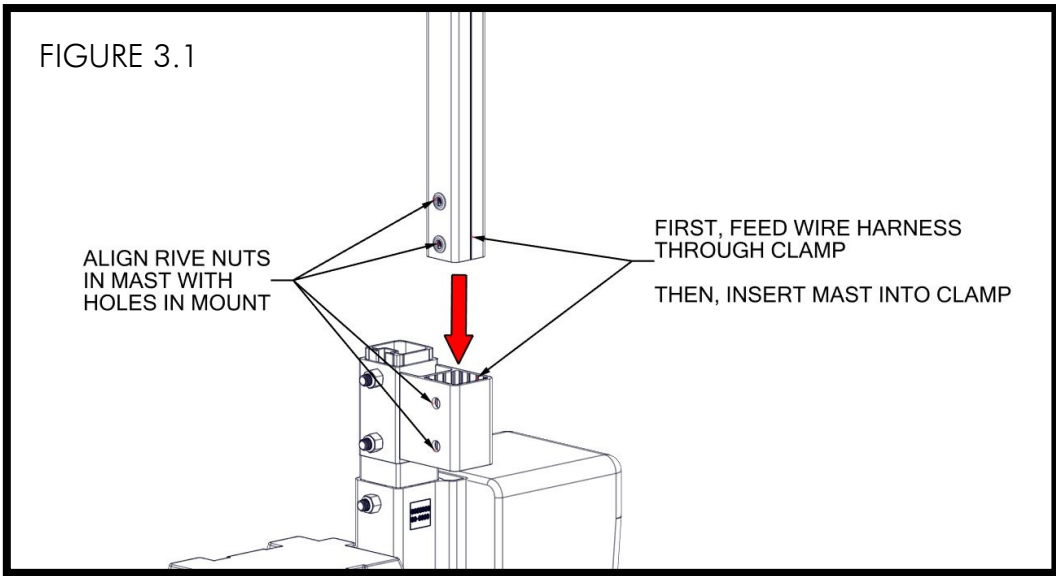
SLIDE CLAMP WITH BOLTS ONTO INSERT UNTIL CLAMP BOTTOMS OUT ON TOP OF CORNER POST (FIGURE 2.3). TORQUE 60 FT-LBS (FIGURE 2.4).

FIGURE 2.3

SLIDE CLAMP WITH HARDWARE ONTO INSERT

CLAMP BOTTOMS OUT ON TOP OF CORNER POST

FIGURE 2.4

TORQUE TO 60 FT-LBS
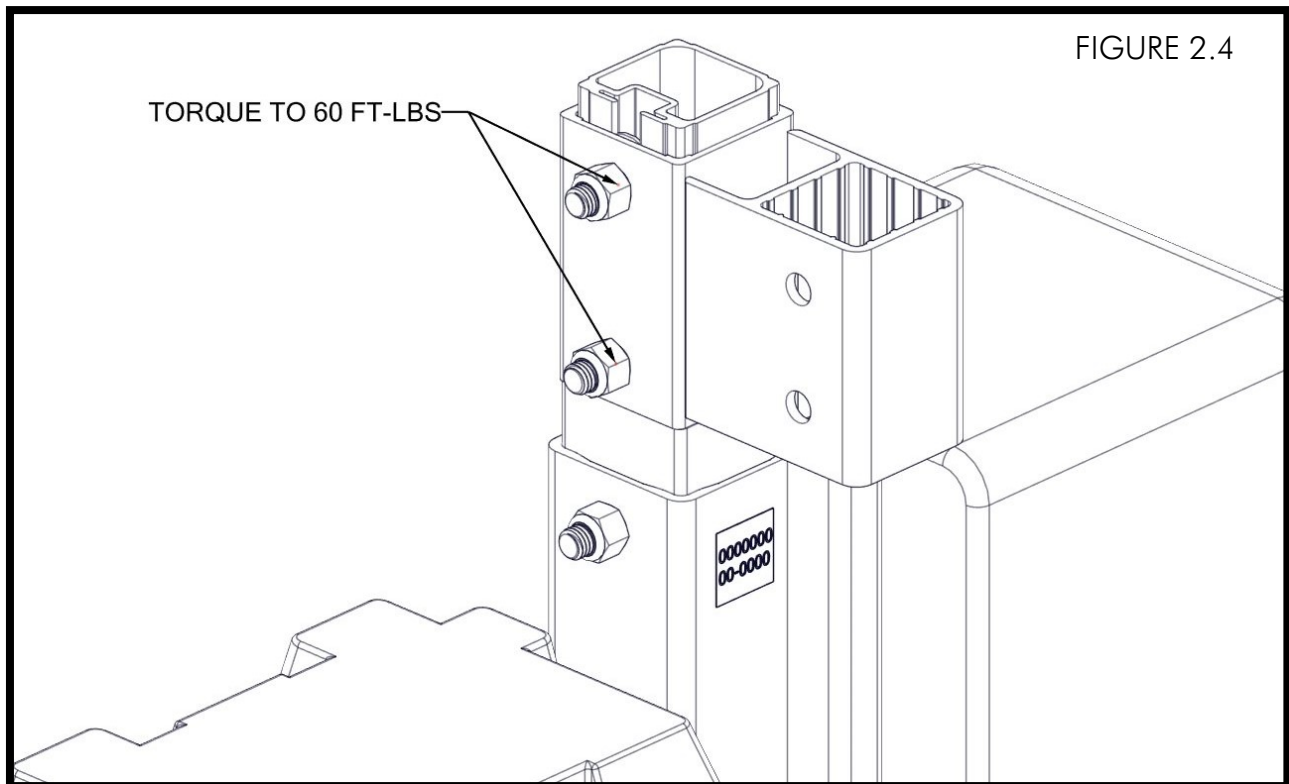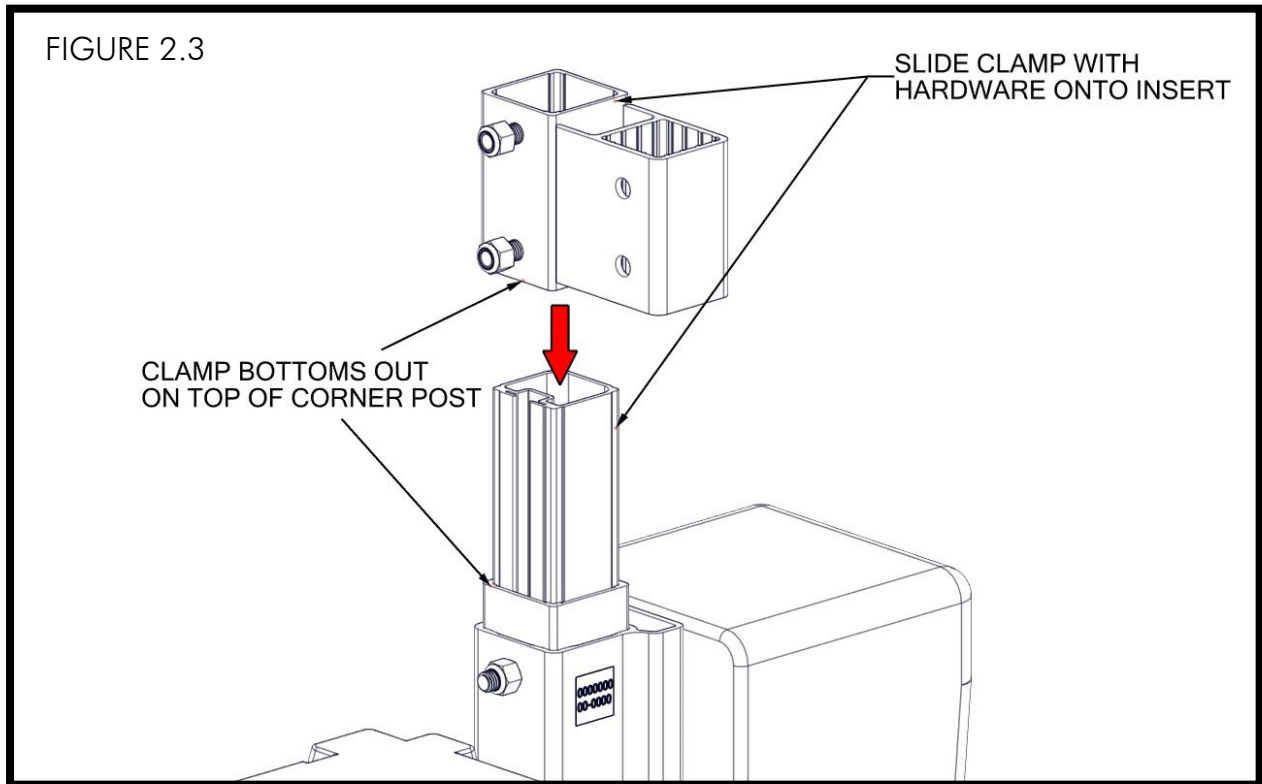
STEP 3

REFER TO INSTRUCTIONS P/N 611-01345-00 FOR INFORMATION ON HOW TO ASSEMBLE SOLAR PANEL MAST (SOLD SEPARATELY).

FEED WIRE HARNESS THROUGH LOWER MOUNT, THEN INSERT MAST INTO CLAMP. ALIGN HOLES IN MAST WITH HOLES IN CLAMP (FIGURE 3.1). ATTACH SOLAR PANEL MAST TO CLAMP USING (2) 3/8" X 1" BOLTS AND (2) 3/8" WASHERS (INCLUDED WITH SOLAR PANEL KIT) (FIGURE 3.2). TORQUE BOLTS TO 10 FT-LBS (FIGURE 3.3)

FIGURE 3.1

ALIGN RIVE NUTS IN MAST WITH HOLES IN MOUNT

FIRST, FEED WIRE HARNESS THROUGH CLAMP

THEN, INSERT MAST INTO CLAMP

001-71017-00
FLAT WASHER, 3/8"SAE ss 18-8

001-70105-00
HHCS, 3/8-16 x 1" 18-8 ss

INSERT INTO RIVET NUTS IN MAST

*FASTENERS INCLUDED WITH SOLAR PANEL KIT

FIGURE 3.2

FIGURE 3.3

TORQUE TO 10 FT-LBS

STEP 4

CONNECT THE RED LEAD TO THE POSITIVE TERMINAL AND THE BLACK LEAD TO THE NEGATIVE TERMINAL OF THE BATTERY. KEEP WIRES AWAY FROM ALL MOVING COMPONENTS.

CONNECT RED LEAD TO POSITIVE TERMINAL AND BLACK LEAD TO NEGATIVE TERMINAL OF THE BATTERY

IMPORTANT: KEEP WIRING AWAY FROM ALL MOVING COMPONENTS