

**Mounting Instructions
With Parts Listing and Drawings
For**

FREDRICKS FAMILY 1

2-POST FOLDING ROLLBAR

**Part No.
A-11382**

Manufactured by:



BOX 718 • LITCHFIELD, MINNESOTA 55355

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www.800cabline.com

INSTALLATION INSTRUCTIONS FOR ROLLOVER PROTECTION SYSTEM (ROPS)

This manual contains assembly, operating, maintenance and safety instructions for your ROPS. Before installing the ROPS or operating a machine equipped with a ROPS, carefully read these instructions completely. The ROPS will reduce the risk of serious or fatal injury in the unlikely event of a tip over although the system cannot protect the operator from all possible injuries. By following the operating, maintenance, and safety instructions, you will prolong the life of the machine and the ROPS, maintain its maximum efficiency and promote safe operation.

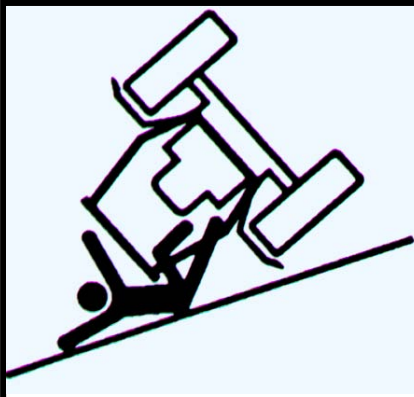
If additional information is needed, contact your authorized equipment dealer or distributor. **Keep this manual with the operator's manual for the machine for future reference.**

IMPORTANT:

1. Do not cut, drill, modify or repair ROPS in any manner.
2. Always replace a damaged ROPS.
3. Always use the seatbelt and ROPS together.
4. Frequently inspect rollbar and seat belts for damage or loose hardware.
5. Use extreme care when working close to fences, ditches, trees and on hills.
6. Check overhead clearances carefully before driving under any objects.
7. Do not leave operator's position while unit is running.
8. Do not carry riders.

WARNING!

This ROPS is certified for use on machines with a maximum gross vehicle weight (GVW) of 2500 LB. The GVW INCLUDES the weight of the base machine, operator, fuel, ROPS, and other attachments and payloads. When attachments are added, causing the GVW of the machine to be more than 2500 LB., the ROPS may not provide adequate protection resulting in serious injury or death. Use caution when installing attachments and **DO NOT EXCEED** the GVW rating of the ROPS.



WARNING!

SERIOUS INJURY OR DEATH MAY RESULT FROM MACHINE ROLLOVER

- DO NOT OPERATE MACHINE ON STEEP SLOPES OR NEAR DROP OFFS
- ALWAYS USE SEAT BELTS
- AVOID SHARP AND/OR QUICK TURNS
- DO NOT EXCEED THE MACHINE WEIGHT RATING OF THE ROPS

WARNING

ROLLOVER MAY CAUSE PERMANENT INJURY OR DEATH.

- ROPS RAISES THE CENTER OF GRAVITY AND REDUCES STABILITY ON SLOPES.
- SUDDEN STARTS OR TURNS ON RAMPS OR SLOPES CAN CAUSE OVERTURN.
- USE GREATER CARE ON RAMPS AND AS THE SLOPE INCREASES.

MOUNTING INSTRUCTIONS

2-Post Folding Rollbar A-11382 Family 1

Machine Preparation

- 1) Park the tractor on a level surface and set the brakes.
- 2) Remove rear PTO guard if present.

Lower ROPS Weldment Installation

- 3) Remove (4) metric M12x1.75Cx70MM studs from the rear frame casing and install (4) new metric M12x1.75Cx70MM grade 8.8 studs, supplied with the ROPS hardware kit. See Figure 1.
- 4) Install lower rollbar weldment onto the tractor and secure using (4) ½ flat washers, (4) ½" lock washers and (4) metric hex nuts M12-1.75C grade 8.8.
- 5) (Re-)Install rear PTO guard.

Upper Hoop Installation

- 6) Install the upper rollbar hoop. Secure each side of hoop with a ½-13unc x 3.00 grade 5 bolt, a pin retainer washer and a ½-13unc grade 5 center-lock nut into the upper mount hole. Tighten only until the nut contacts the bracket. Do not over tighten. Hoop should pivot freely, up and down. See Figure 2.
- 7) Install (1) EPDM washer onto each of the hitch pins. Position the top hoop into the up-right location and install the hitch pins. See Figure 2.
- 8) Attach (1) plastic lanyard to the handle of each hitch pin. Insert one end of the lanyard through the retaining washer and attach the spring pin to the eye in the lanyard. Install the spring pins into the hitch pins.

Seatbelt Installation

- 9) Install the seat belt to each side of the rollbar using (2) 7/16-14unc x 1.25 grade 5 bolts, (4) 7/16" flat washers and (2) 7/16-14unc grade 5 nylock nuts. See Figure 3.

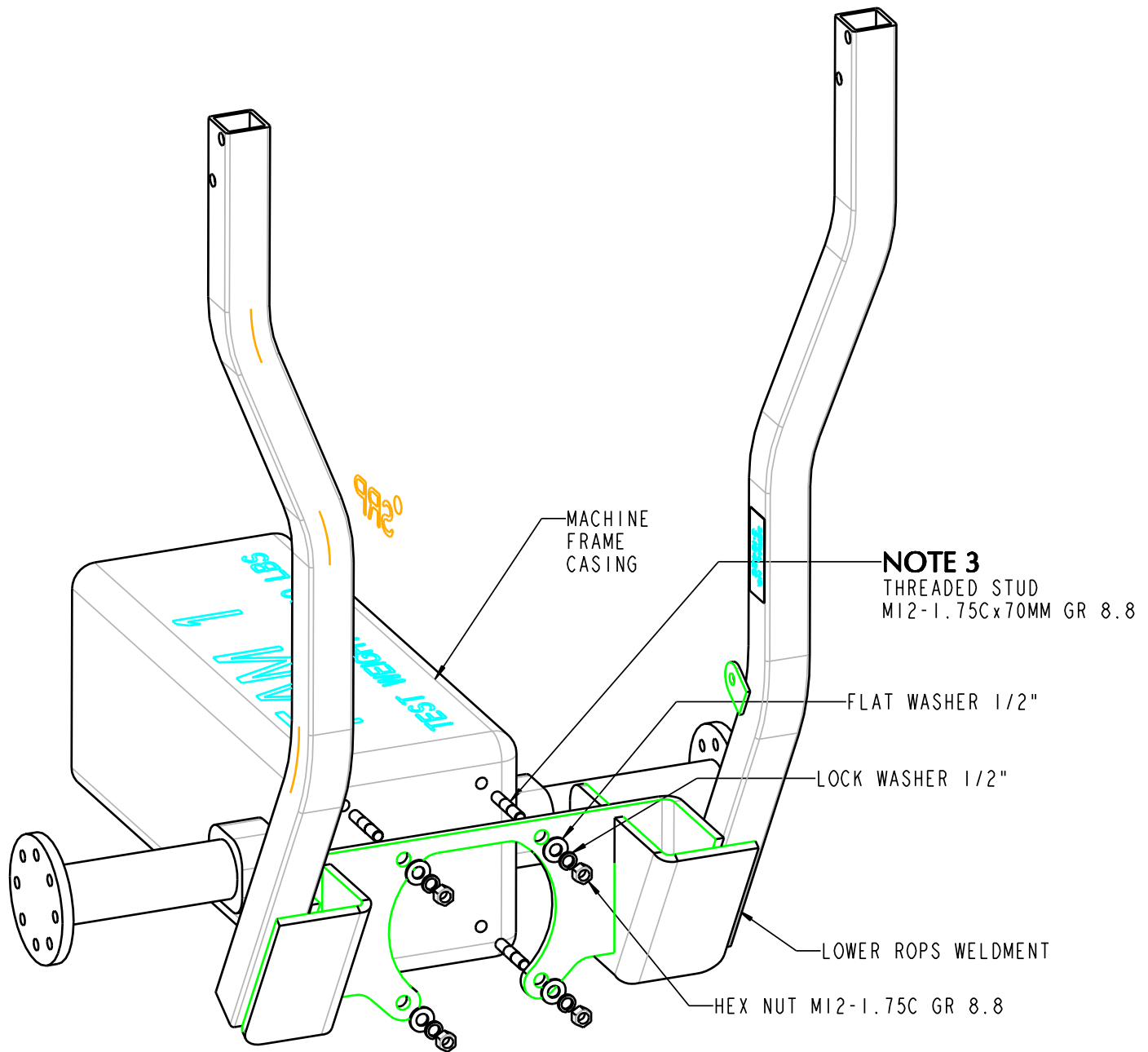
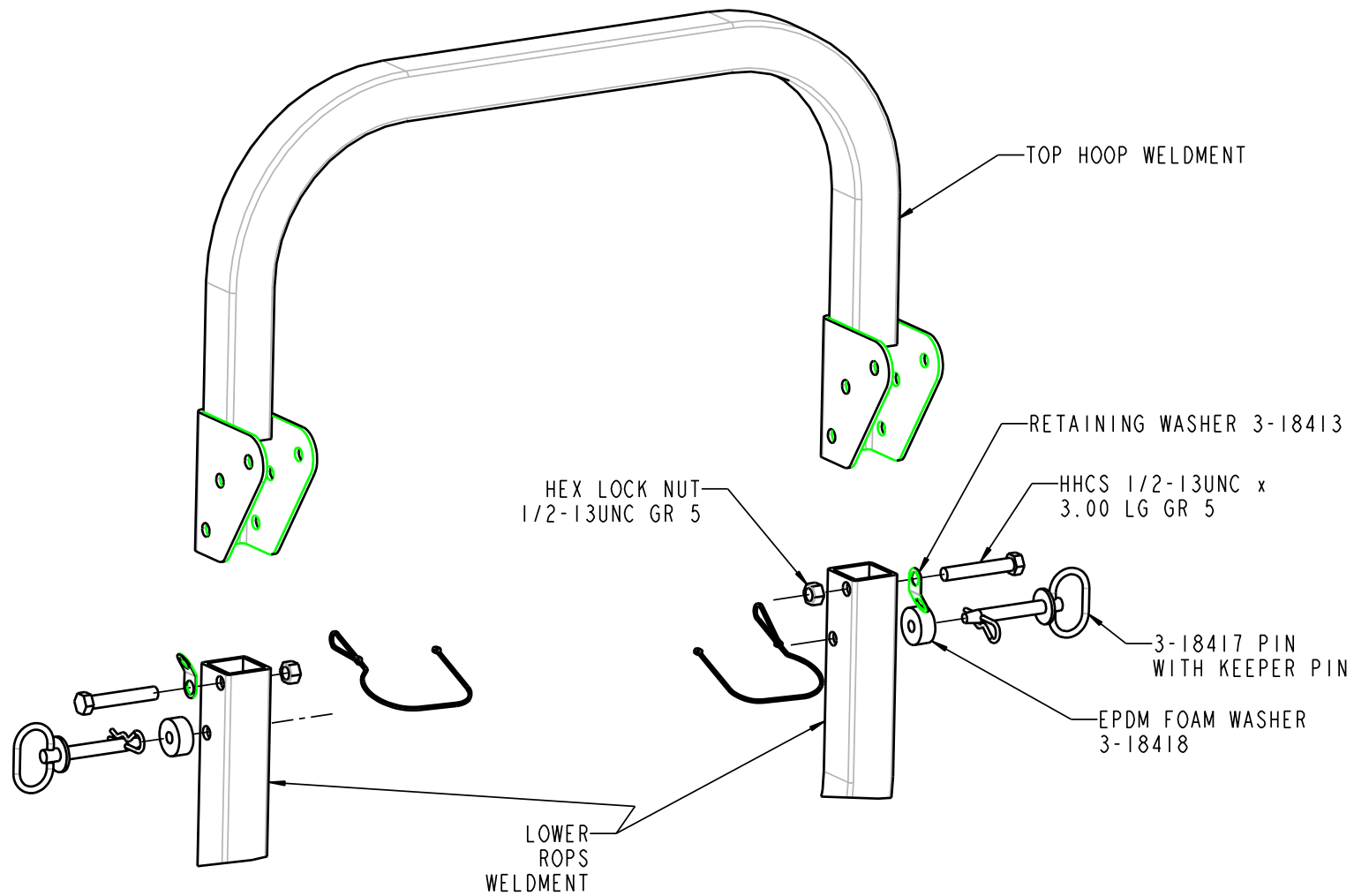
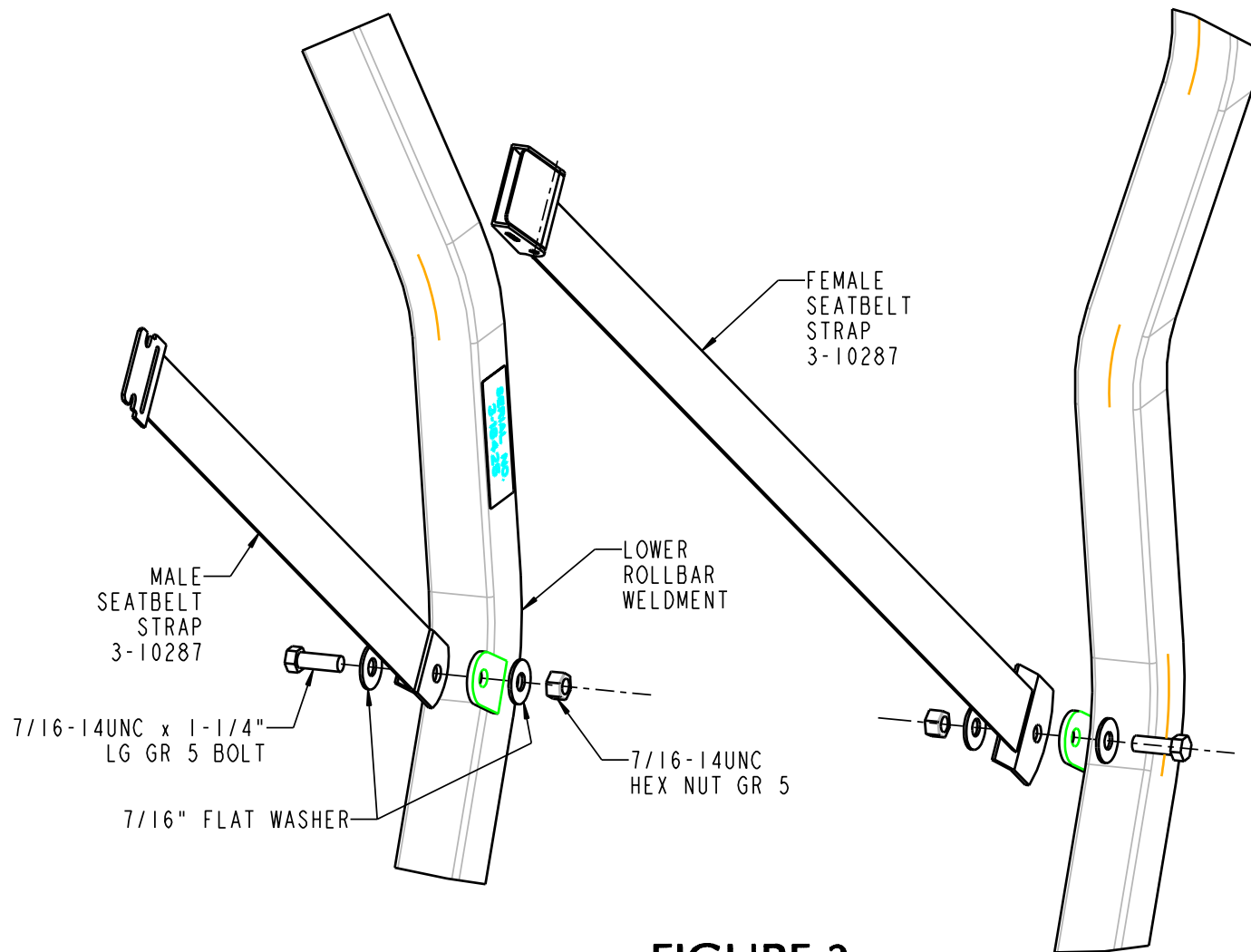


FIGURE 1
ROPS INSTALLATION

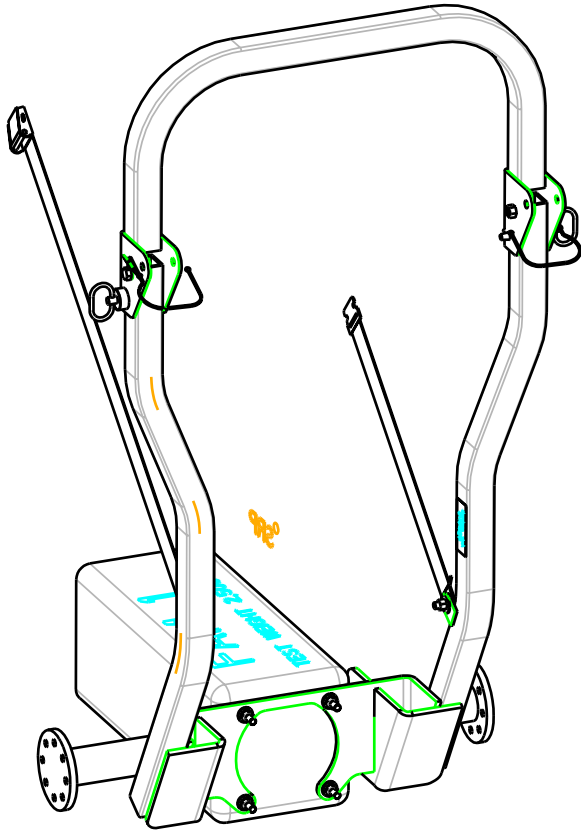


**FIGURE 2
UPPER HOOP INSTALLATION**

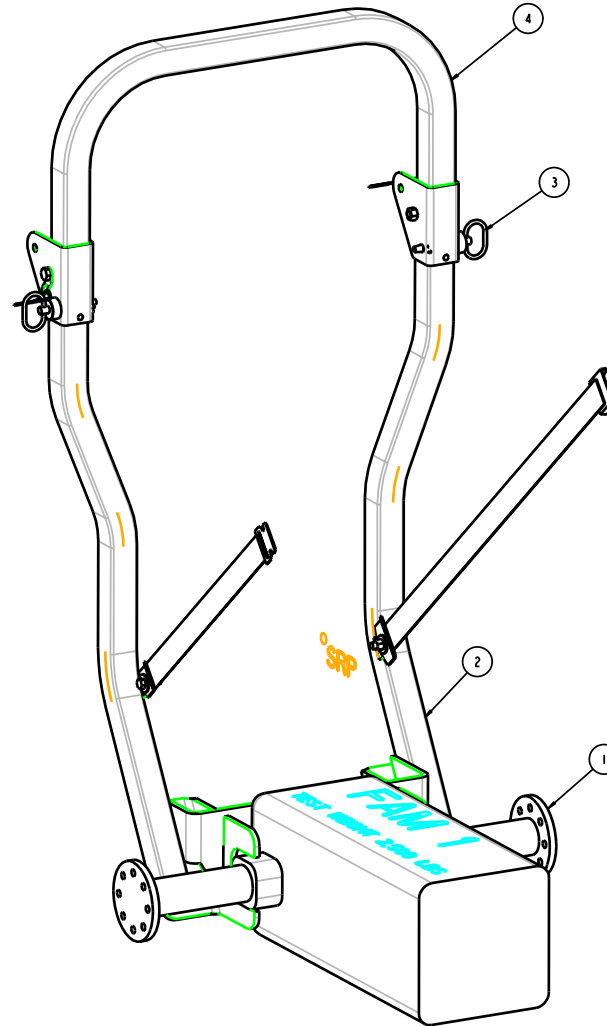


**FIGURE 3
SEATBELT INSTALLATION**

REV.	DCR NO.	DESCRIPTION	DRAFTSMAN	DATE



SCALE 0.250

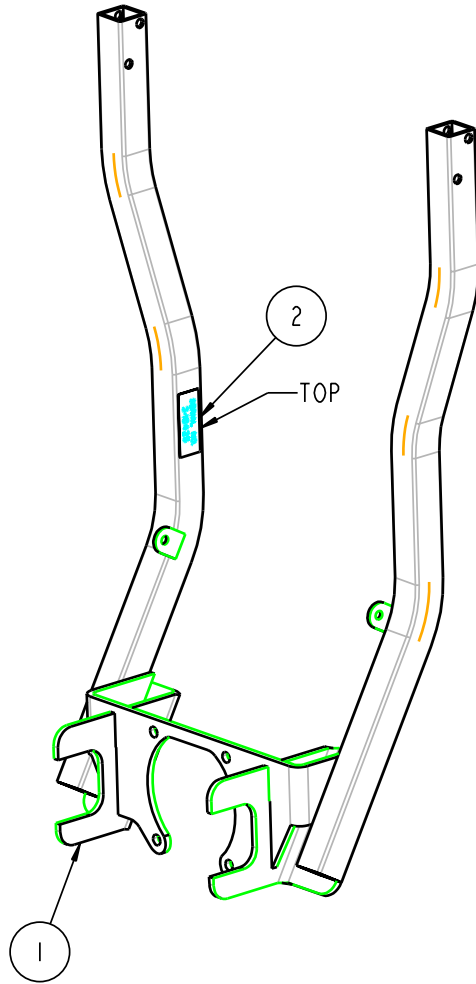


SCALE 0.250

ITEM #	DESCRIPTION	QTY
1	REF_FRAME_FAM_1	1
2	4-15005_LOWER_MOUNT_ASM	1
3	4-15006_HARDWARE_KIT_FAM_1	1
4	4-15013_UPPER_HOOP_ASM	1
5	MALE95	1
6	3-17913_BLACK_POWDER_PAINT_SAT	SEE BOM
7	LOAD_REC_YANMAR	2
8	VERTICAL_LOAD_DIST	1

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<small>TOLERANCES UNLESS NOTED OTHERWISE</small>	CUSTOMER NAME & ADDR:	FREDRICKS FAMILY 1	WIR. SPEC:
<small>3 ± .00 XX ± .00 XXX ± .00 HOLE SIZE HOLE ANGLE ± .5°</small>	CUSTOM PRODUCTS	176 SOUTH SIBLEY AVE LITCHFIELD, MN 55355	
REV:	REV. SEE:	REV. NO.:	REV. LEVEL:
2-POST FOLDING ROLL BAR	D	A-11382 1 of 1	
OWNER: CAD	DATE:	10-12-05	

REV.	DCR NO.	DESCRIPTION	DRAFTSMAN	DATE
				9-21-05



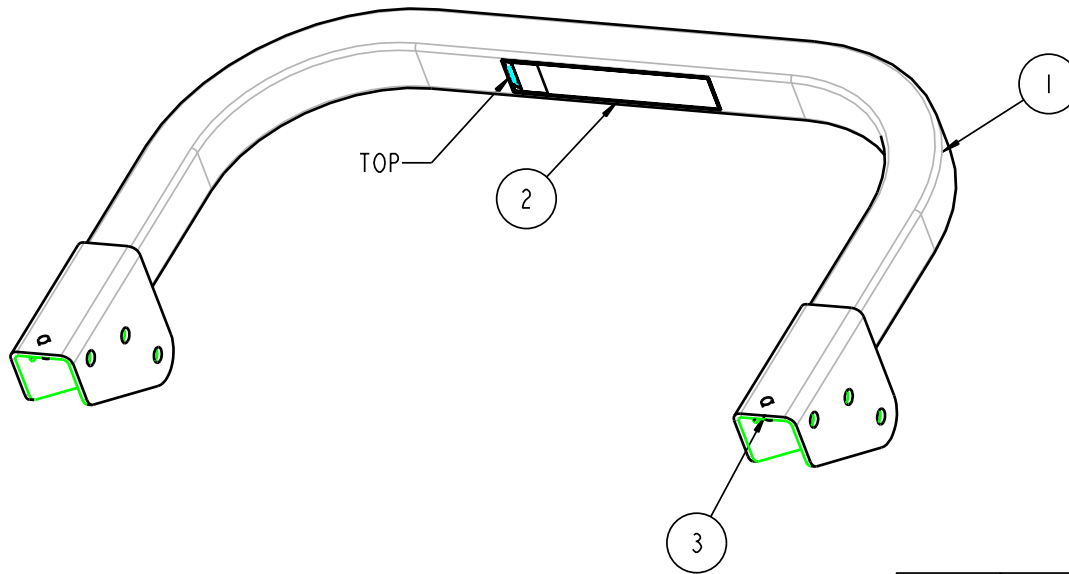
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ITEM #	DESCRIPTION	QTY
1	2-16078_WELDMENT_LOWER	1
2	3-18425_SERIAL_NUMBER_DECAL	1

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TOLERANCES UNLESS NOTED OTHERWISE	CUSTOMER NAME & MOD NO.:	A-11382 FREDRICKS FAM 1		MATERIAL SPEC:
	CUSTOM PRODUCTS 1715 SOUTH SIBLEY AVE. LITCHFIELD, MN 55355			
.X ± .09 .XX ± .06 .XXX ± .03 HOLE SIZE +0.05/-0.00 ANGLE ± .5°	TITLE	DRWG SIZE	DRWG NO.	REV LEVEL
	LOWER MOUNT ASM	B	4-15005	-
	DRAWN: CAD	DATE:	9-21-05	

REV.	DCR NO.	DESCRIPTION	DRAFTSMAN	DATE
				9-22-05



SCALE 0.250

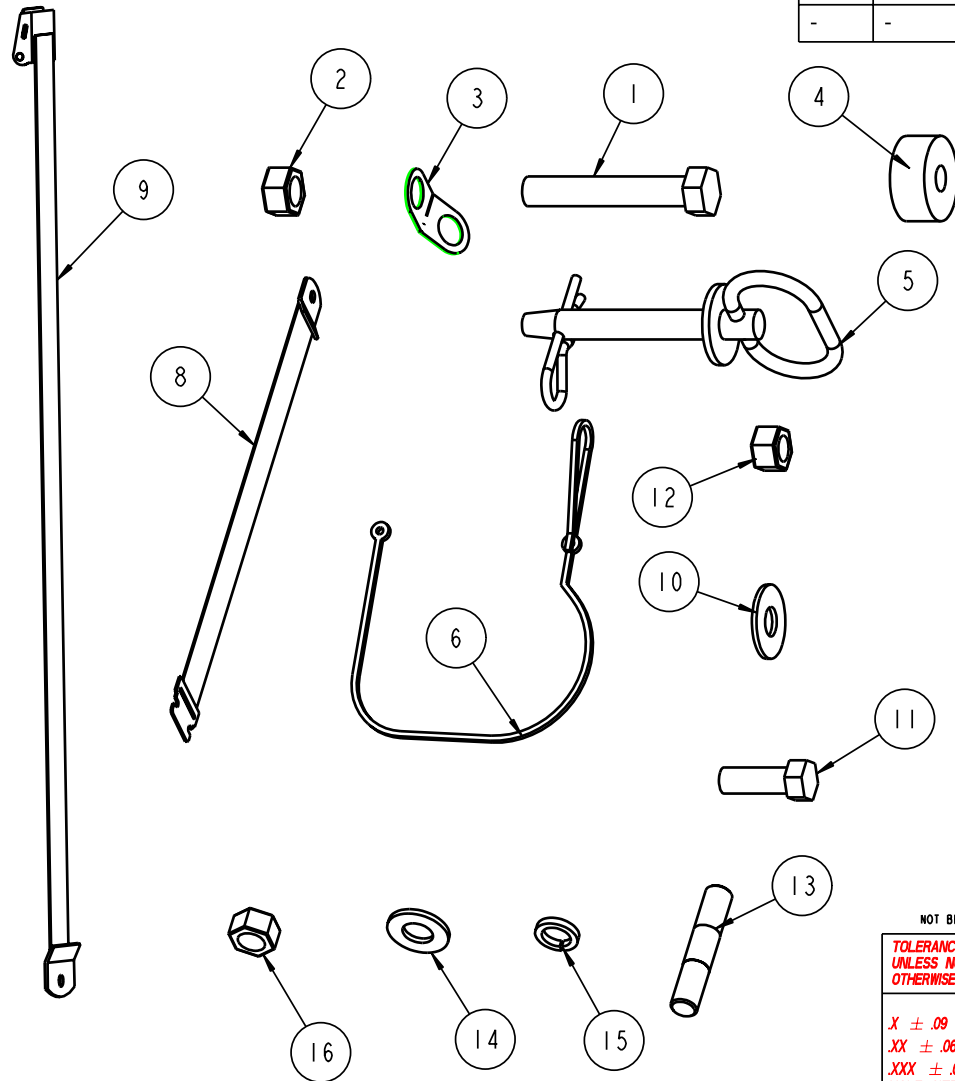
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1	2-16048_WELDMENT_UPPER_HOOP	1
2	3-18401_FOLDING_ROPS_DECAL	1
3	3-14595_RUBBER BUMPER	2

ID NUMBER	CUSTOMER-MODEL	QTY REQ'D
A-11371	FAMILY 3	1
A-11382	FAMILY 1	1

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	CUSTOM PRODUCTS 1715 SOUTH SIBLEY AVE. LITCHFIELD, MN 55355			
X ± .09 .XX ± .06 .XXX ± .03 HOLE SIZE .065/-00 ANGLE ± .5°	TITLE	UPPER HOOP ASM	DRWG SIZE	DRWG NO.
			B	4-15013
			REV LEVEL	-
	DRAWN	CAD	DATE	9-21-05

REV.	DCR NO.	DESCRIPTION	DRAFTSMAN	DATE
-	-	ADDED ITEMS 13-17	CAD	10-12-05



ITEM #	DESCRIPTION	QTY
1	3-10131_50_HHCS_X300	2
2	3-10485_50_NUT_HEX_CNTRLOCK	2
3	3-18413_WASHER_FORMED_RETAIN_50	2
4	3-18418_WASHER_EPDM_500	2
5	3-18417_HITCH_PIN_500	2
6	3-17811_LANYARD_NYLON_180_LOOP	2
7	3-18439_BAG	SEE BOM
8	3-10287_SEAT_BELT_1	1
9	3-10287_SEAT_BELT_2	1
10	3-10166_4375_WASHER	4
11	3-10026_44_HHCS_X125	2
12	3-10472_4375_NYLOCK	2
13	3-18491_METRIC_STUD_M12X70MM	4
14	3-12466_WASHER_50_TYPE_A_N	4
15	3-10079_50_LOCK_WASHER	4
16	3-10180_M12_NUT_HEX	4
17	05-10564_MOUNT_INST_FAM_3	SEE BOM

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TOLERANCES UNLESS NOTED OTHERWISE	CUSTOMER NAME & MOD NO.:	A-11382 FREDRICKS YANMAR FAM 1	MATERIAL SPEC:	
	CUSTOM PRODUCTS 1715 SOUTH SIBLEY AVE. LITCHFIELD, MN 55355			
X ± .09 .XX ± .06 .XXX ± .03 HOLE SIZE .06/-00 ANGLE ± 5°	TITLE:	HARDWARE KIT	DRWG SIZE:	DRWG NO.:
			B	4-15006
		DATE:	9-21-05	REV LEVEL:
		CAD		-