Mounting Instructions
With Parts Listing and Drawings
For

FREDRICKS FAMILY 8

2-POST FOLDING ROLLBAR

Part No.

A-11381

Manufactured by:

CUSTOM PRODUCTS OF LITCHFIELD, INC.

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05-10565
December 9, 2005

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.

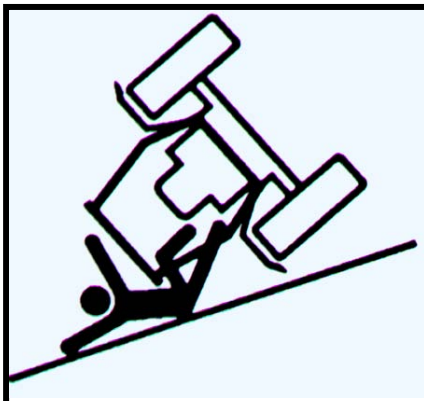
If additional information is needed, contact your authorized equipment dealer or distributor. **Keep this manual with the operator's manual for the machine for future reference.**

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 4,800 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 4,800 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-11381 Family 8

Machine Preparation

1) Park the tractor on a level surface and set the brakes.

Lower ROPS Leg Weldments Installation (Refer to Figure 1 for Steps 2-5)

2) Tighten all mounting hardware later in Step 8.
3) Identify left and right leg weldments.
4) Locate the bolt reliefs on each side of the axle casting. Align right hand leg weldment with right side bolt relief's on axle. Secure using (4) ½-13unc x 6.00 long grade 5 bolts, (8) ½" flat washers and (4) ½-13unc center lock nuts, supplied with the ROPS hardware kit.
5) Repeat step 3 for the left hand leg weldment for the left side.

Upper Hoop Installation (Refer to Figure 2 for Steps 6-9)

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 though the retaining washer and attach the spring pin to the eye in the lanyard. Install the spring pins into the hitch pins.
9) Tighten lower ROPS legs hardware at this time.

Seatbelt Installation (Refer to Figures 3 & 4)

10) Layout and drill (1) ½" diameter hole through each fender as shown in Figure 3.
11) Install the seat belt to each fender 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.

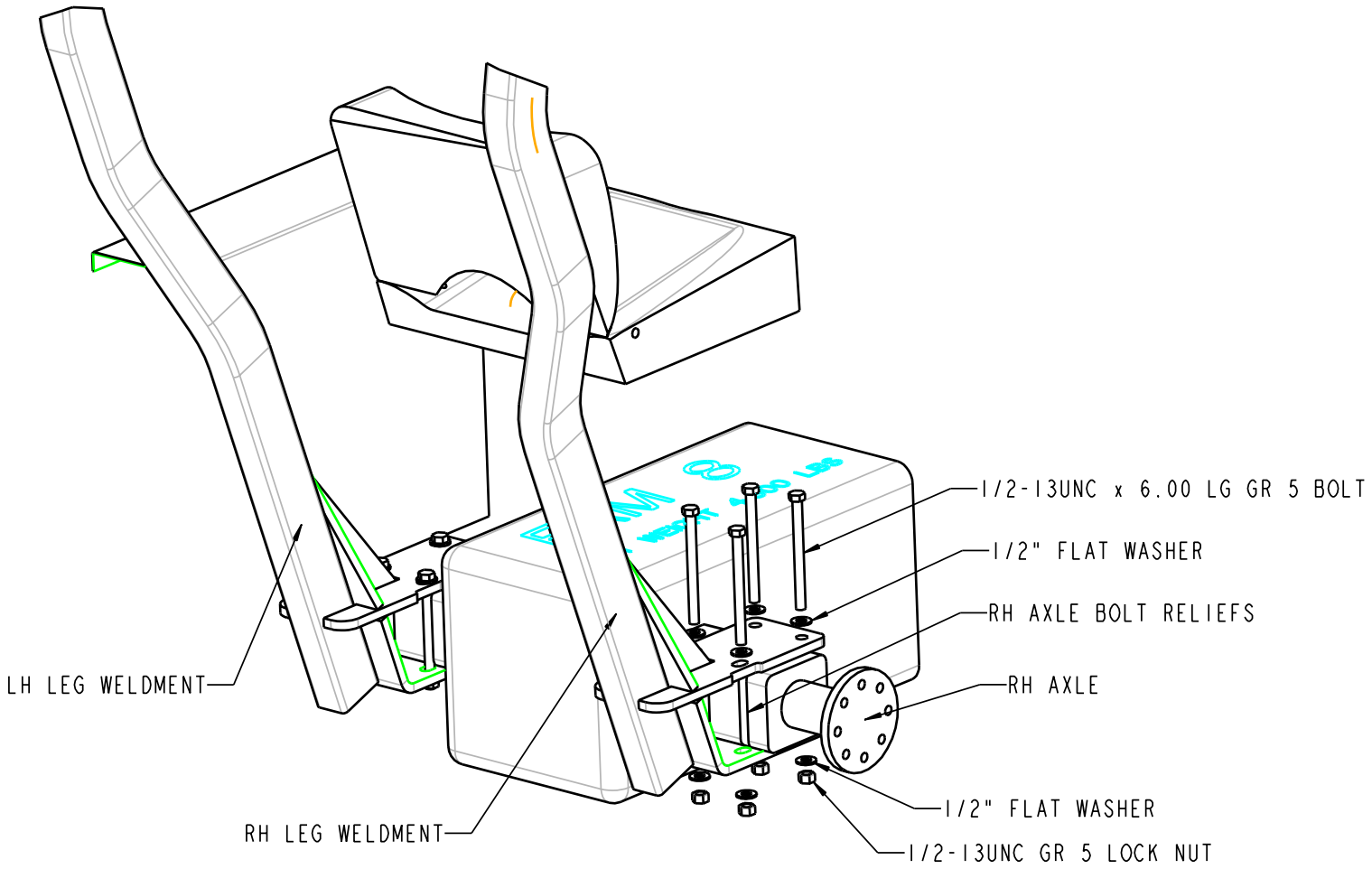

1/2-13UNC x 6.00 LG GR 5 BOLT
1/2" FLAT WASHER
RH AXLE BOLT RELIEFS
RH AXLE
1/2" FLAT WASHER
1/2-13UNC GR 5 LOCK NUT
LH LEG WELDMENT
RH LEG WELDMENT

FIGURE 1

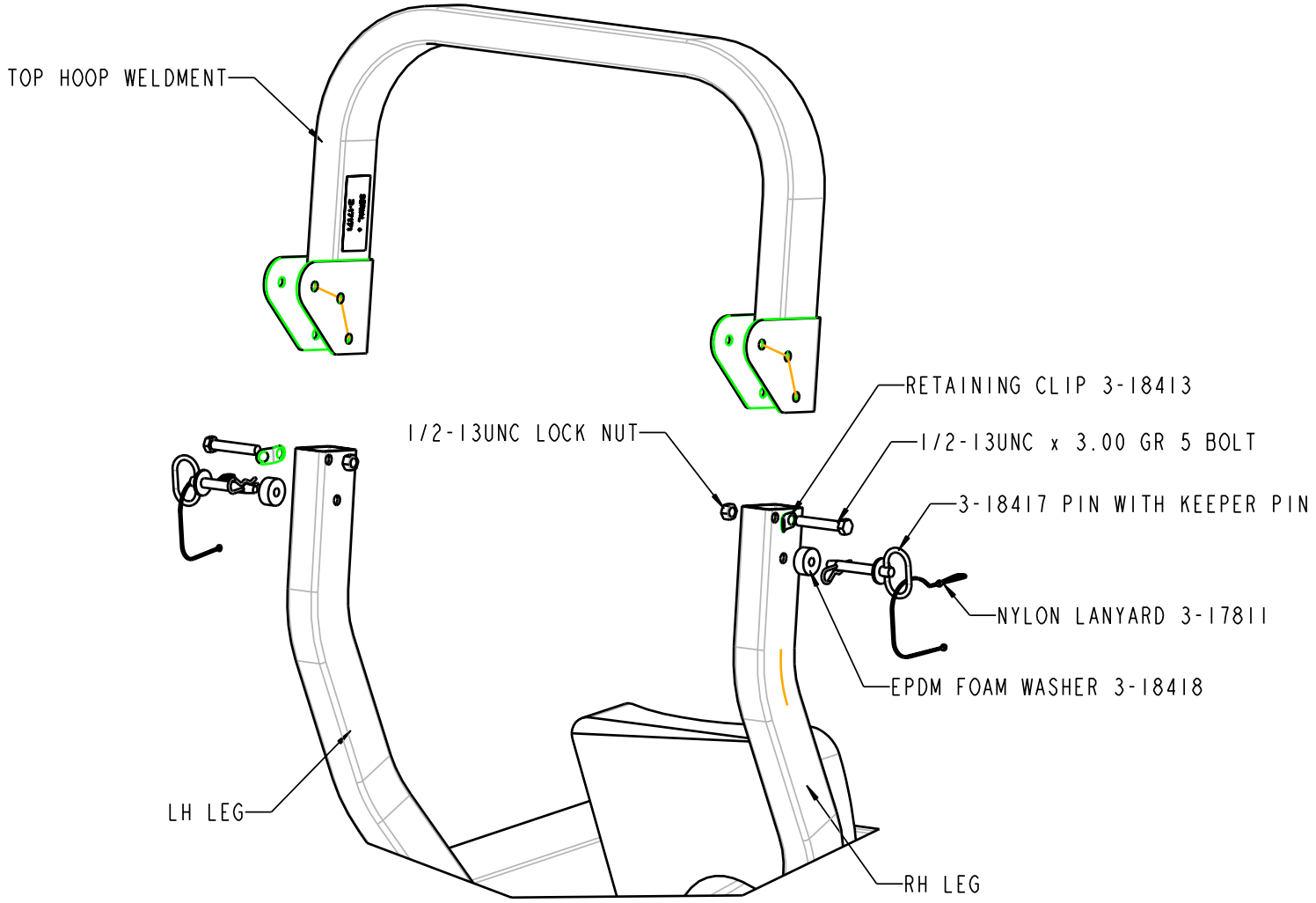

TOP HOOP WELDMENT
RETAINING CLIP 3-18413
1/2-13UNC LOCK NUT
1/2-13UNC x 3.00 GR 5 BOLT
3-18417 PIN WITH KEEPER PIN
NYLON LANYARD 3-17811
EPDM FOAM WASHER 3-18418
LH LEG
RH LEG

FIGURE 2

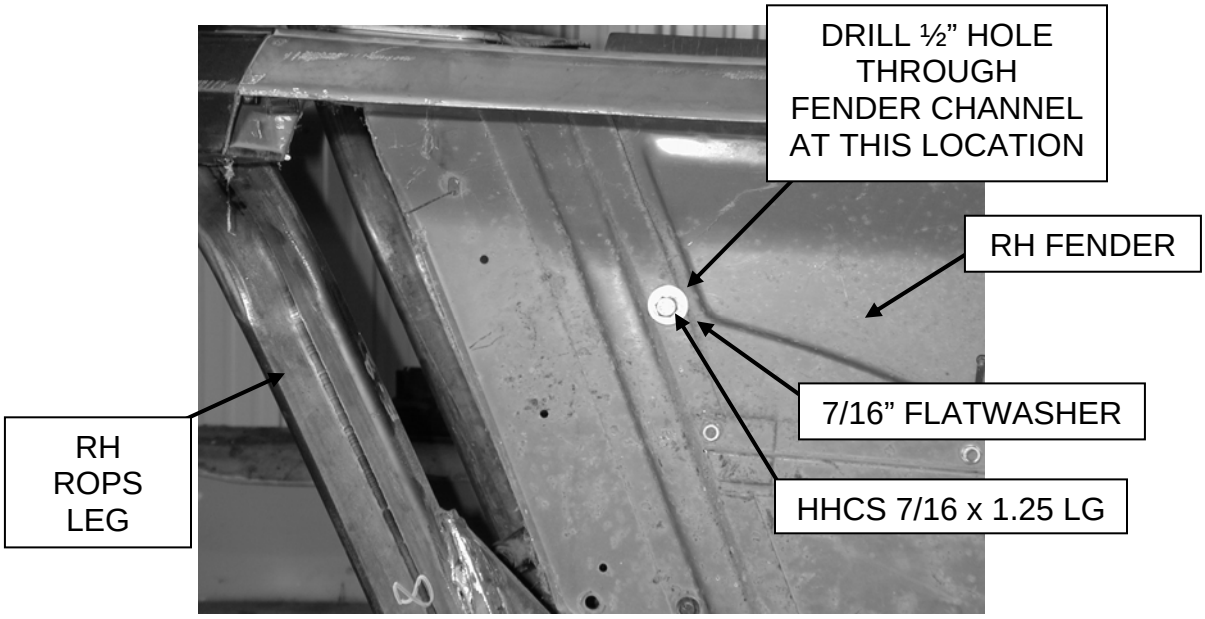


FIGURE 3

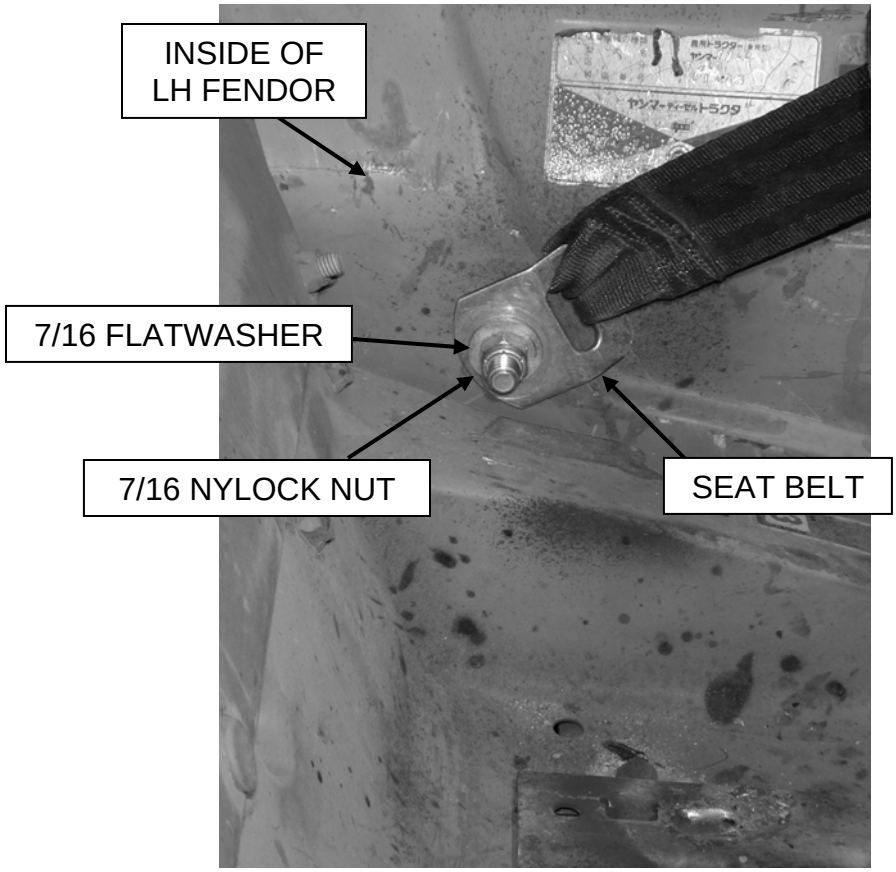
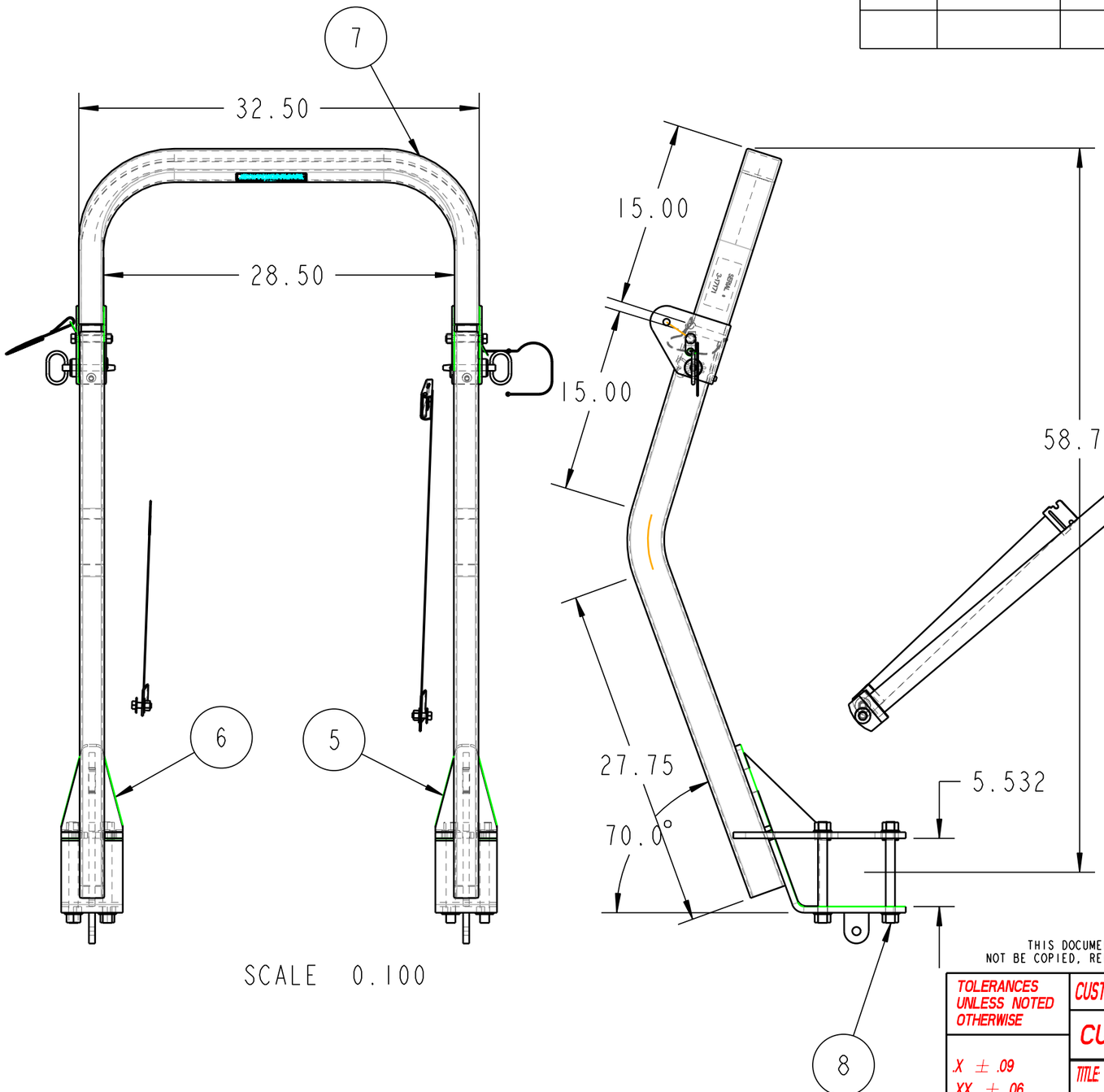


FIGURE 4

REV.	DCR NO.	DESCRIPTION	DRAFTSMAN	DATE
				12-7-05



ITEM #	DESCRIPTION	QTY
1	REF_FRAME_FAM_9	1
2	YANMAR_T	1
3	REF_SEAT_YANMAR_	1
4	MALE95	1
5	2-16088_LEG_WELDMENT	1
6	2-16094_LEG_WELDMENT_LH	1
7	4-15012_UPPER_HOOP_ASM_REF	1
8	4-15034_HARDWARE_KIT	1
9	3-17913_PAINT_BLK_POWDER_24	SEE BOM
10	05-10570_LABEL_SHIPPING	SEE BOM

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TOLERANCES UNLESS NOTED OTHERWISE

.X ± .09
.XX ± .06
.XXX ± .03
HOLE SIZE ±.015/-.010
ANGLE ± .5°

CUSTOMER NAME & MOD NO.: FREDRICKS YANMAR FAM 9

MATL SPEC:

CUSTOM PRODUCTS
1715 SOUTH SIBLEY AVE.
LITCHFIELD, MN 55355

TITLE: 2-POST FOLDING ROPS

DRWG SIZE: B

DRWG NO.: A-11383

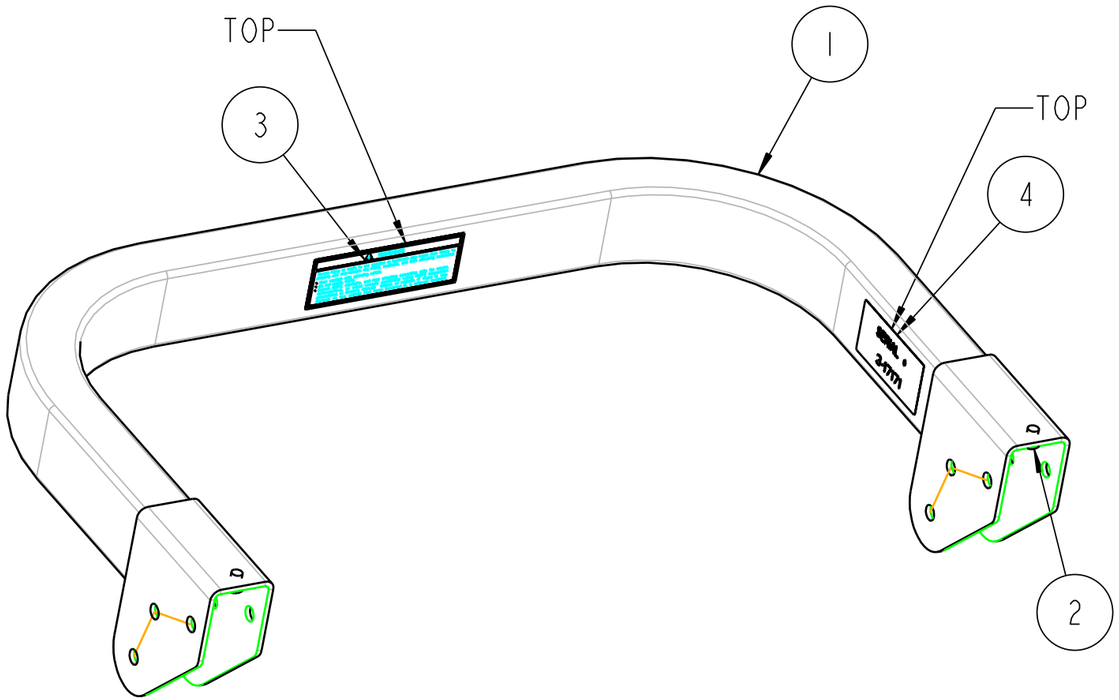
REV LEVEL: -

DRAWN: CAD

DATE: 12-7-05

NAME:CAD2 OBJECT:A-11383 DATE:09-Dec-05 09:55:33

REV.	DCR NO.	DESCRIPTION	DRAFTSMAN	DATE
				12-7-05



SCALE 0.200

ITEM #	DESCRIPTION	QTY
1	2-16049_UPPER_HOOP_WELDMENT	1
2	3-14595_RUBBER_BUMPER	2
3	3-17891_WARNING_DECAL	1
4	3-17171_DECAL_CP_SERIAL_NUMBER	1

ID NUMBER	CUSTOMER-MODEL	QTY REQ'D
A-11381	FREDRICKS FAM 8	1
A-11383	FREDRICKS FAM 9	1

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TOLERANCES UNLESS NOTED OTHERWISE

.X ± .09
.XX ± .06
.XXX ± .03
HOLE SIZE ±.015/-.010
ANGLE ± 5°

CUSTOMER NAME & MOD NO.: A-11381 & A-11383

MATL SPEC:

CUSTOM PRODUCTS 1715 SOUTH SIBLEY AVE. LITCHFIELD, MN 55355

TITLE: TOP HOOP ASM

DRWG SIZE: B

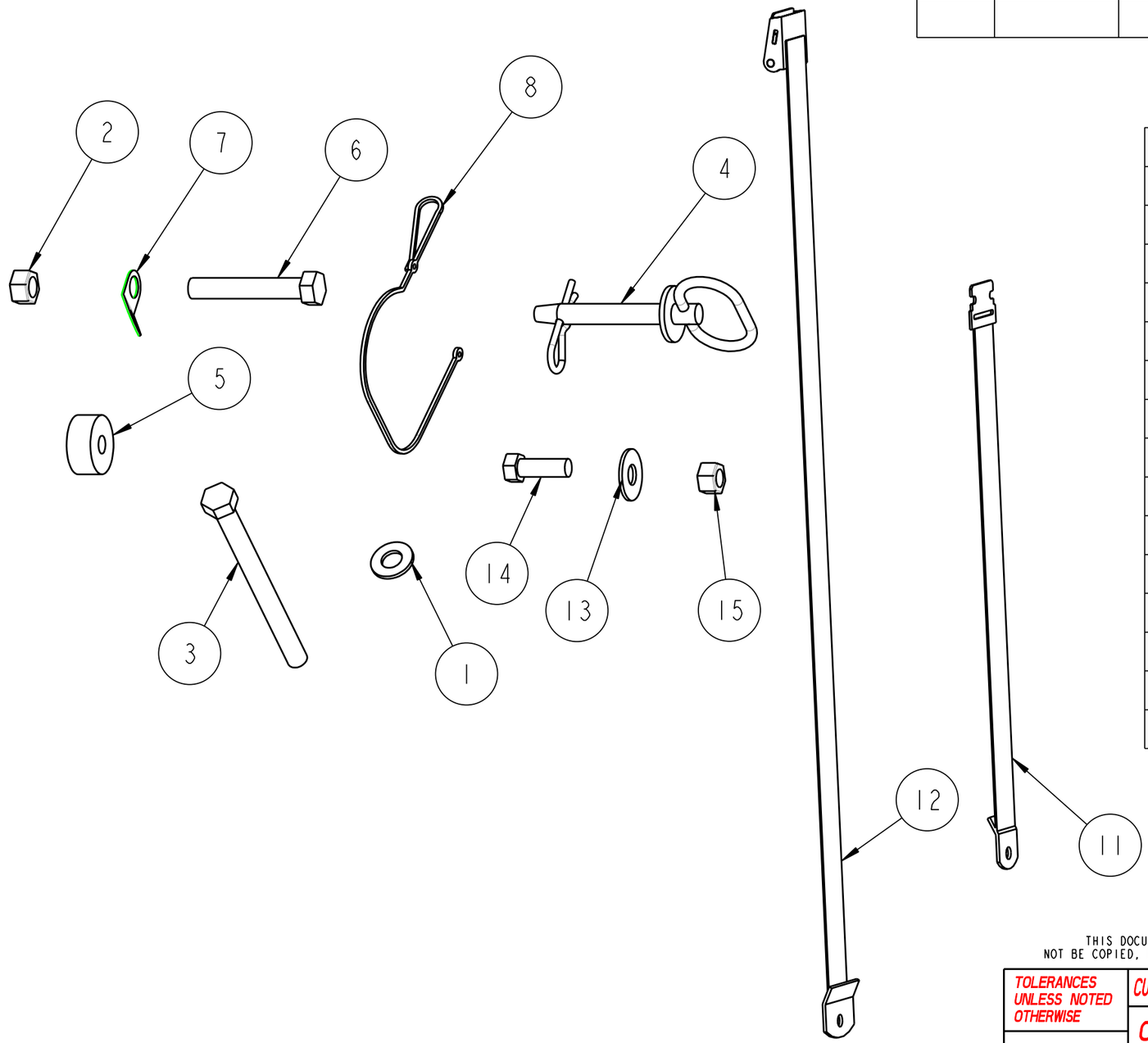
DRWG NO.: 4-15012

REV LEVEL: -

DRAWN: CAD

DATE: 8-24-05

REV.	DCR NO.	DESCRIPTION	DRAFTSMAN	DATE
				11-30-05



SCALE 0.333

ITEM #	DESCRIPTION	QTY
1	3-12466_WASHER_50_TYPE_A_N	16
2	3-10485_50_NUT_HEX_CNTRLOCK	10
3	3-11739_50_HHCS_X600	8
4	3-18417_HITCH_PIN_500	2
5	3-18418_WASHER_EPDM_500	2
6	3-10131_50_HHCS_X300	2
7	3-18413_WASHER_FORMED_RETAIN_50	2
8	3-17811_LANYARD_NYLON_180_LOOP	2
9	3-18439_ZIPLOC_BAG_9X12	SEE BOM
10	05-10565_INSTR_MANUAL_	SEE BOM
11	3-10287_SEAT_BELT_1	1
12	3-10287_SEAT_BELT_2	1
13	3-10166_4375_WASHER	4
14	3-10026_44_HHCS_X125	2
15	3-10472_4375_NYLOCK	2

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TOLERANCES UNLESS NOTED OTHERWISE

.X ± .09
.XX ± .06
.XXX ± .03
HOLE SIZE +.015/-.010
ANGLE ± .5°

CUSTOMER NAME & MOD NO.: A-11381 YANMAR FAMILY 8

MATL SPEC:

CUSTOM PRODUCTS 1715 SOUTH SIBLEY AVE. LITCHFIELD, MN 55355

TITLE: HARDWARE KIT

DRWG SIZE: B

DRWG NO.: 4-15010

REV LEVEL: -

DRAWN: CAD

DATE: 8-24-05

NAME:CAD2 OBJECT:4-15010 DATE:09-Dec-05 10:00:12