INTRODUCTION: This instruction sheet covers the installation of the Folding ROPS kit (970357).

This instruction sheet contains assembly, operating, maintenance and safety instructions for your ROPS. Before installing the ROPS or operating a machine equipped with a ROPS, read and understand these instructions completely. The ROPS reduces 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. It is not designed, made or intended to provide protection for a machine that is driven off an embankment, retaining wall or similar situation. A ROPS does not replace the need to exercise care when operating on slopes. See the operator manual for more Safety and Operation instructions. 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.

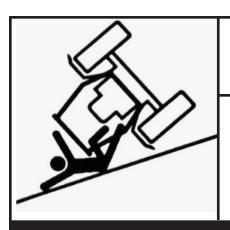
If additional information is needed, contact your authorized equipment dealer or distributor. Keep this instruction sheet with the operator's manual for the machine for future reference.

IMPORTANT:

- 1. Do not cut, drill, modify or repair a ROPS structure in any manner.
- 2. Always replace a damaged ROPS.
- 3. Keep Roll Bar in the raised position and use the seat belt.
- 4. There is NO roll over protection when the roll bar is lowered. Lower the roll bar only when necessary. DO NOT remove it. DO NOT use the seat belt when the roll bar is down. Raise the roll bar as soon as clearance permits.
- 5. Inspect roll bar and seatbelts for damage or loose hardware before use. Tighten/replace any loose/damaged hardware. Replace worn or damaged seat belts.
- 6. Use extreme care when working close to fences, ditches, trees and on hills.
- 7. Check overhead clearances carefully before driving under any objects.
- 8. DO NOT leave operator's position while unit is running.
- 9. DO NOT carry passengers.

AWARNING

This ROPS is certified for use on machines with a maximum gross vehicle weight (GVW) of 1500 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 1500 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.



A 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

AWARNING

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.



NOTE: Refer to Page 4 for parts list and Illustration. Refer to Pages 6-9 for placement template and templates.

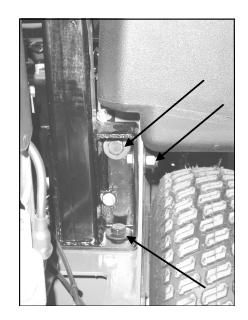
- Use the templates provided to mark the hole locations with a center punch. Tape the template on so it does not shift when marking the holes. Cut out the template to fit around any welds that interfere with bumping against an edge. After locating the holes hold the ROPS legs to the machine to ensure the holes are correctly located.
- 2. Drill (3) 17/32 holes at the marked locations on each side.

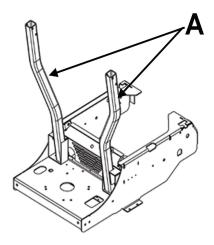
NOTE: Later production has holes pre-drilled.

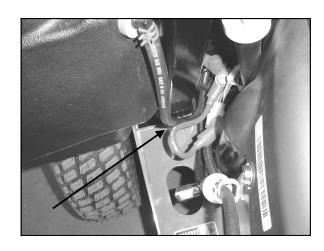
3. Install each ROPS leg to the machine with (3)1/2 -13 x 1 1/4 bolts, (6) washers, and (3) 1/2-13 nylon insert locknuts. Leave the mounting hardware loose.

NOTE: Each leg needs to flare to the outside.

Route wires and fuel lines so the ROPs does not interfere with or rub on them.



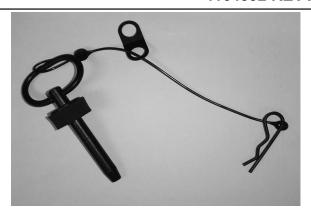


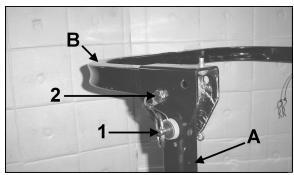


4. Assemble the foam washers onto the hitch pins. Route the lanyards through the formed retainer washers and then attach the ends to the hitch pins and hairpin cotters.

Assemble the Upper Hoop **B** to the legs **A** as shown. The pins **1** may be used for alignment to aid in assembly. Secure the Upper Hoop **B** with (2) 1/2-13 X 3 bolts **2** and (2) 1/2-13 locknuts (not shown). Tighten the nuts to just snug so the Upper Hoop can be moved between the raised and lowered positions.

5. Tighten the (6) leg mounting fasteners.

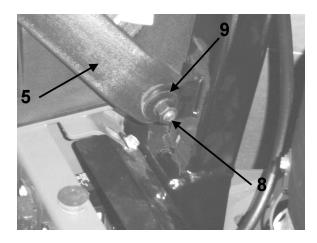


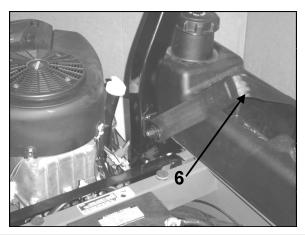


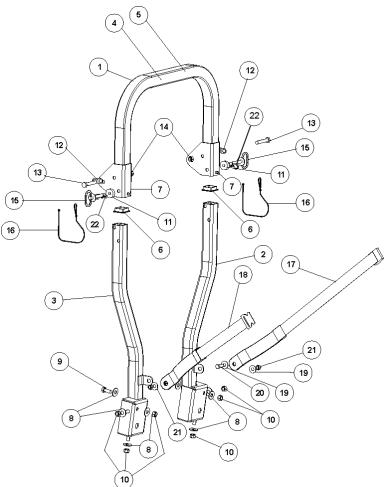
NOTE: When installing the seat belt to the ROPS, position the buckle **6** to open from the side you prefer.

6. Assemble the seat belt **5/6** to the ROPS as shown, using (2) 7/16 X 1-1/4 bolts **8**, (4) 7/16 washers **9**, and (2) 7/16 nylon locknuts **10**, not shown. Tighten all fasteners at this time.

NOTE: When leaving the operator position, drape seat belt over fuel tank to keep it from getting entangled in the transaxle belt drive and fan.



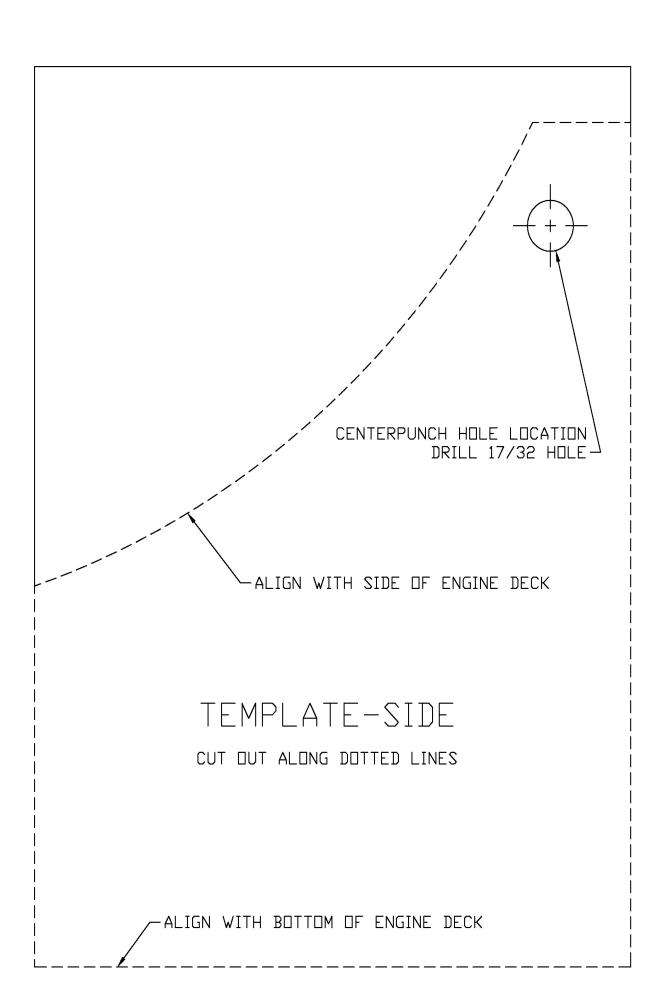


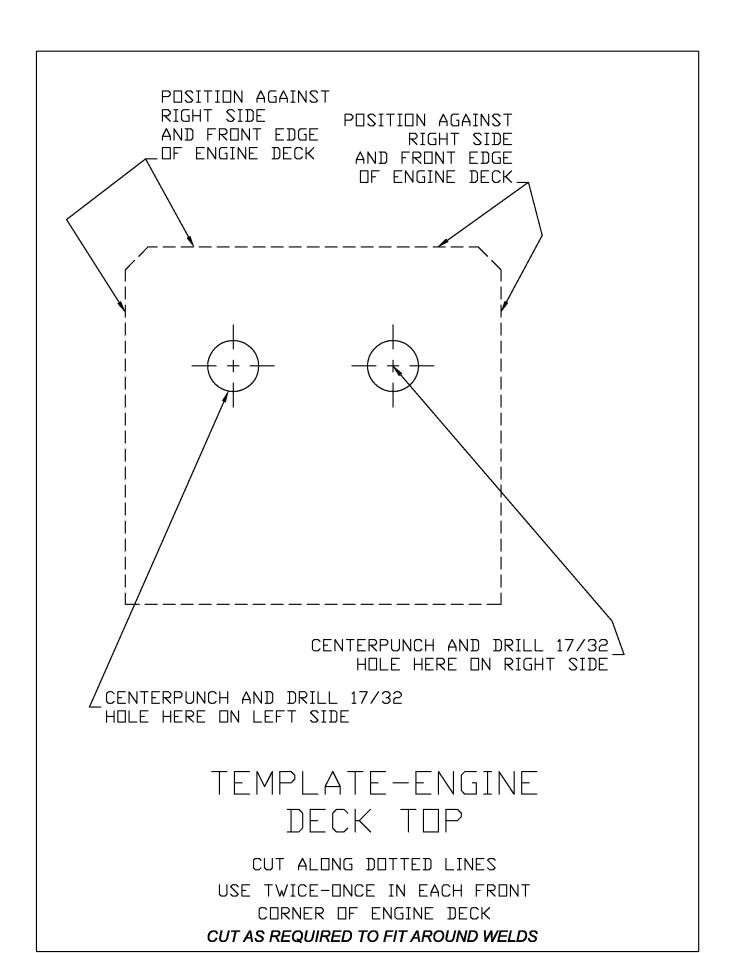


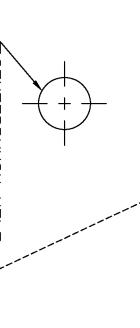
SERVICE PARTS LIST

ITEM	PART NO.	DESCRIPTION	QTY
1		UPPER HOOP	1
2		ROPS-LEG LEFT	1
3		ROPS-LEG RIGHT	1
4		DECAL SERIAL NUMBER	1
5	4160347	LABEL-WARNING FOLDING ROPS	1
6	4160344	PLUG-2 X 1/8 SQ. TUBE	2
7	4160343	BUMPER-RUBBER	2
8	64163-19	WASHER516X1X12GA	12
9	64123-39	BOLT-HEX 1/2-13 X 1 1/4	6
10	64229-05	LOCKNUT-1/2X13 NYLON	6
11	4162878	WASHER-1/2 EDPM FOAM	2
12	4160348	WASHER-FORMED RETAINER	2
13	64123-31	BOLT-HEX 1/2-13X3 HEX	2
14	64151-7	LOCKNUT-1/2-13 HEX	2
15	4162879	PIN-HITCH 1/2	2
16	4162880	LANYARD-NYLON	2
17&1	8 4162882	SEATBELT-NONRETRACT	1
19	64139-19	WASHER-33/64X1-1/4X12GA	4
20	64123-28	BOLT-HEX 7/16-14X1-1/4	2
21	64229-04	LOCKNUT-7/16-14 NYLON	2
22	64168-1	PIN-HAIRPIN COTTER (W/HITCH PIN)	2

TEMPLATE LOCATIONS







CENTERPUNCH HOLE LOCATION
DRILL 17/32 HOLE

TEMPLATE-LEFT FRONT

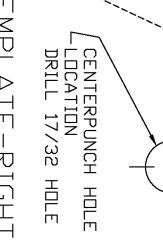
CUT ALONG DOTTED LINES

CUT AS REQUIRED TO FIT

AROUND WELDS

VERTICAL SIDE OF ENGINE DECK

-LOCATE THIS EDGE AGAINST ENGINE DECK TOP



TEMPLATE-RIGHT FRONT

CUT ALONG DOTTED LINES

CUT AS REQUIRED TO FIT

AROUND WELDS

OCATE THIS EDGE AGAINST RIGHT-

-LOCATE THIS EDGE AGAINST ENGINE DECK TOP