Form No. 3351-684 Rev A

Roll-Over Protection System (ROPS)

for Multi-Pro 5000 Series Turf Sprayer

Model No. 41566

Installation Instructions

Safety

Note: The Roll-Over Protection System (ROPS) will reduce the risk of serious or fatal injury in the event of a tip over, although the system cannot protect the operator from all possible injuries.

When used alone, the roll bar cannot provide complete protection against personal injury.

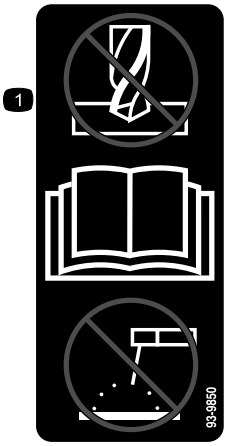
Always use the seat belt and roll bar together.

Altering the ROPS in any manner may affect its durability and use, which may result in injury or death.

Replace a damaged ROPS. Do not repair or modify it. Any alteration of the ROPS must be approved by the manufacturer.

Safety and Instructional Decals

Safety decals and instructions are easily visible to the operator and are located near any area of potential danger. Replace any decal that is damaged or lost.



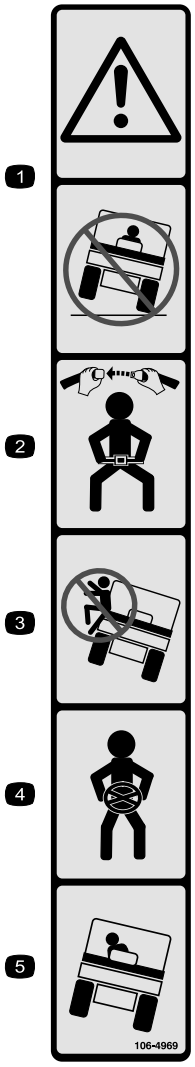
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1. Do not repair or revise—read the *Operator's Manual.*

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1. Warning—avoid tipping the machine.
2. Wear the seat belt.
3. Do not jump from a tipping machine.
4. Hold tight and brace your feet.
5. Lean away from the direction the machine is tipping.

Installation

Loose Parts

Use the chart below to verify that all parts have been shipped.

Procedure	Description	Qty.	Use
1	No parts required	–	Prepare the machine.
2	Seat belt assembly	2	Install the seat belts.
	Outside belt support, Left-hand	1	
	Outside belt support, Right-hand	1	
	Inside belt support, Left-hand	1	
	Inside belt support, Right-hand	1	
	Seat belt support strap	2	
	Support, Right-hand	1	
	Support, Left-hand	1	
	Support (5700), Right-hand	1	
	Support (5700), Left-hand	1	
	Carriage bolt (5/16 x 3/4 inch)	8	
	Washer (1/2 inch)	4	
	Flange locknut (5/16 inch)	6	
	Carriage bolt (5/16 x 1 inch)	2	
	Bolt (7/16 x 1-1/4 inch)	6	
	Locknut (7/16 inch)	4	
	Carriage bolt (7/16 x 1-1/4 inch)	2	
3	ROPS bar	1	Install the ROPS bar.
	Bolt (5/8 x 1-1/2 inch)	8	
	Lockwasher (5/8 inch)	8	
	Nut (5/8 inch)	8	

1

Preparing the Machine

No Parts Required

Procedure

If you leave the key in the ignition switch, someone could accidently start the engine and seriously injure you or other bystanders.

Remove the key from the ignition switch before you do any maintenance.

1. Position the machine on a level surface. Set the parking brake, turn the ignition off, and remove the key.
2. Tip the seats forward.

2

Installing the Seat Belts

Parts needed for this procedure:

2	Seat belt assembly
1	Outside belt support, Left-hand
1	Outside belt support, Right-hand
1	Inside belt support, Left-hand
1	Inside belt support, Right-hand
2	Seat belt support strap
1	Support, Right-hand
1	Support, Left-hand
1	Support (5700), Right-hand
1	Support (5700), Left-hand
8	Carriage bolt (5/16 x 3/4 inch)
4	Washer (1/2 inch)
6	Flange locknut (5/16 inch)
2	Carriage bolt (5/16 x 1 inch)
6	Bolt (7/16 x 1-1/4 inch)
4	Locknut (7/16 inch)
2	Carriage bolt (7/16 x 1-1/4 inch)

Procedure

Note: Install the seat belts on the driver's side first.

1. Remove the rear carriage bolt, washer and nut securing the driver's hip restraint. Save the nut and washer and discard the bolt.
2. Install the left-hand, outside belt support on top of the seat box panel flange and the seat belt support strap under it (Figure 1) using 2 carriage bolts (5/16 x 3/4 inch) and 2 flange locknuts (5/16 inch).
3. Secure the driver's hip restraint and the end of the support strap (Figure 1) using a new carriage bolt (5/16 x 1 inch)and the flat washer and nut removed previously.

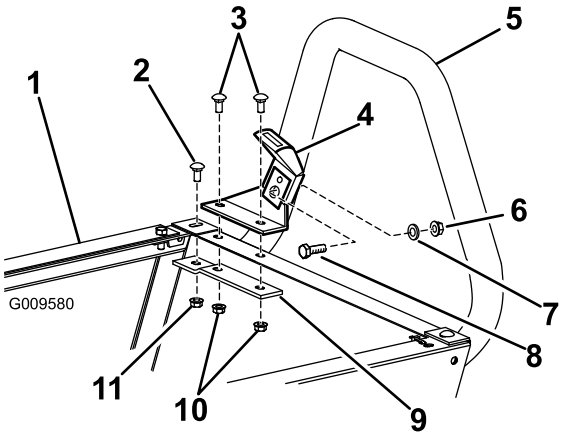


Figure 1

1. Seat box
2. Carriage bolt (5/16 x 1 inch)
3. Carriage bolt (5/16 x 3/4 inch)
4. Seat belt buckle assembly and left-hand, outside belt support
5. Hip restraint
6. Locknut (7/16 inch)
7. Washer (1/2 inch)
8. Bolt (7/16 x 1-1/4 inch)
9. Seat belt support strap
10. Flange locknut (5/16 inch)
11. Nut removed previously

4. Install the seat belt buckle assembly to the inside of the belt support Figure 1) using a bolt (7/16 x 1-1/4 inch) and lzocknut (7/16 inch).

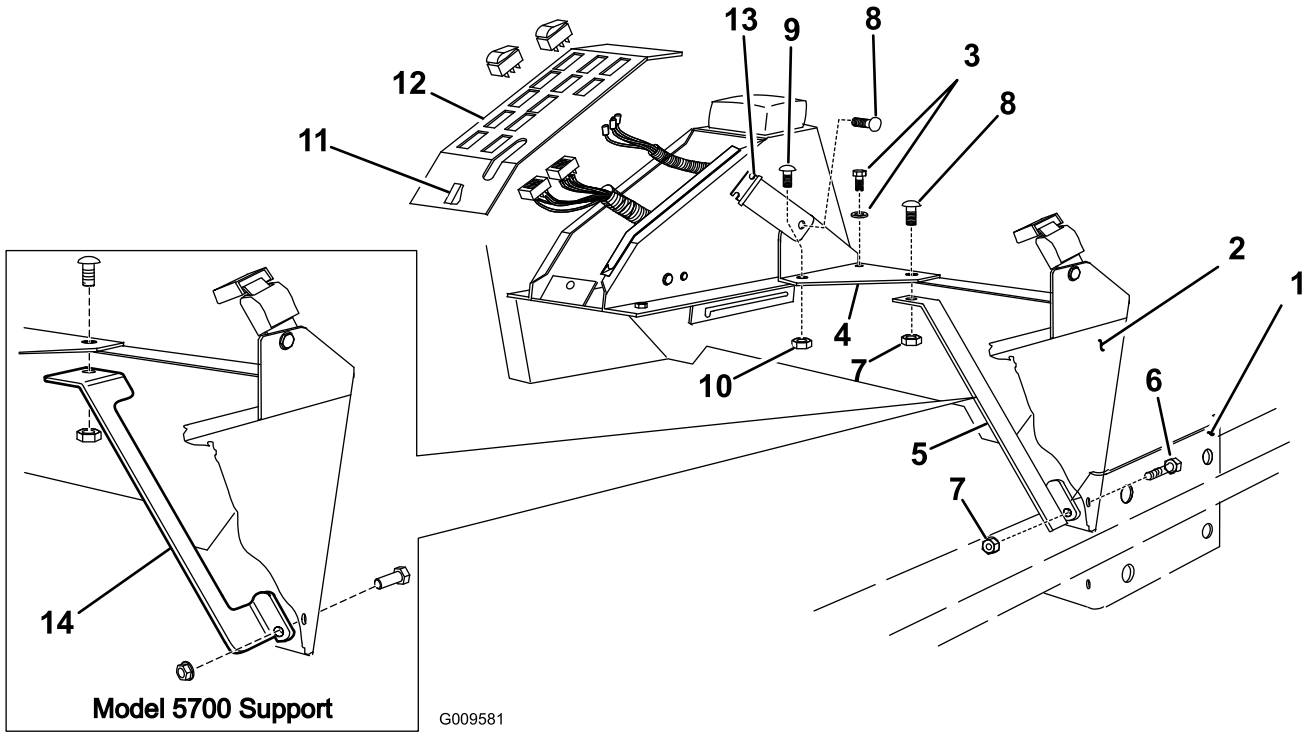


Figure 2

1. ROPS mounting bracket	5. Left-hand seat box support	9. Carriage bolt (5/16 x 3/4 inch)	13. Seat belt assembly
2. Seat box	6. Bolt (7/16 x 1-1/4 inch)	10. Flange locknut (5/16 inch)	14. Left-hand seat box support, 5700 Models
3. Driver's side, rear console mounting bolt and flat washer	7. Flange locknut (7/16 inch)	11. Latch	
4. Left-hand, inside belt support	8. Carriage bolt (7/16 x 1-1/4 inch)	12. Switch cover	

5. Remove the driver's side, lower rear seat box bolt (which secures the seat box to the ROPS mounting bracket) and nut (Figure 2) and discard them.
6. Remove the driver's side, rear console mounting bolt and flat washer and save them for future use (Figure 2).
7. Place the left-hand, inside belt support over the three holes in the seat box flange near the console (Figure 2).
8. Secure the corner of the belt support using the fasteners you removed previously.
9. Install the left-hand seat box support to the seat box as illustrated in Figure 2. 5700 models require the larger seat box support in loose parts and shown in the pull out box in Figure 2.
10. Secure the seat box support to the vehicle using a bolt (7/16 x 1-1/4 inch) and flange locknut (7/16 inch) through the lower rear seat box hole and a carriage bolt (7/16 x 1-1/4 inch) and flange locknut (7/16 inch) through the seat box flange and left hole of the inside seat belt support.
11. Secure the front hole of the inside seat belt support (Figure 2) using a carriage bolt (5/16 x 3/4 inch) and flange locknut (5/16 inch).
12. Release the latch on the switch cover of the center console and remove the cover (Figure 2).
13. Install the seat belt assembly to the inside seat belt support (Figure 2) using a carriage bolt (7/16 x 1-1/4 inch) passed though the support and console wall and a flange locknut (7/16 inch).
14. Tighten all fasteners securely.
15. Repeat this procedure for the passenger side seat belts.
16. Replace and secure the console switch cover.

3

Installing the ROPS Bar

Parts needed for this procedure:

1	ROPS bar
8	Bolt (5/8 x 1-1/2 inch)
8	Lockwasher (5/8 inch)
8	Nut (5/8 inch)

Procedure

1. Position the ROPS bar over the ROPS mounting brackets on each side of the sprayer frame behind and below the seats (Figure 3).

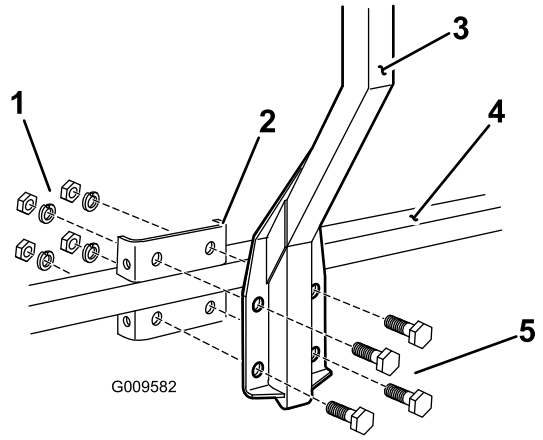


Figure 3

1. Lockwashers and nuts (5/8 inch)
2. ROPS mounting brackets
3. ROPS bar
4. Sprayer frame
5. Bolts (5/8 x 1-1/2 inch)

2. Secure the ROPS bar to the frame (Figure 3) using 8 bolts (5/8 x 1-1/2 inches), lockwashers, and nuts (5/8 inch).
3. Torque the nuts to 150 ft-lb (203 N-m).

Notes:



Count on it.