



Rollover Protection System Kit

500 Series Z Master with Diesel Engine

Part No. 106-7437

Form No. 3351-467

Installation Instructions

Note: This kit is used for replacing an existing ROPS on a machine.

Loose Parts

Note: Use the chart below to identify parts for assembly.

Step	Description	Qty.	Use
1	Roll bar, right section	1	Installing the rollover protection system (ROPS)
	Roll bar, left section	1	
	Roll bar, center section	1	
	Bolts, 3/8 x 1 inch	4	
	Bolts, 3/8 x 1-1/2 inch	2	
	Curved washers, 3/8 inch	6	
	Flange nuts, 3/8 inch	6	
	Locknuts, 3/8 inch	2	
	Internal lock washers	2	
	Bolts, 1/2 x 3-1/4 inches	2	
	Flange nuts, 1/2 inch	2	
Lanyards	2		
2	No parts needed	–	Removing the existing seat frame
3	Seat frame	1	Installing the new seat frame
4	Seat belt	1	Replacing the seat belt
	Bolts, 7/16 x 1 inch	2	
	Washers, 7/16 inch	2	

Step

1

Installing the Rollover Protection System (ROPS)

Note: When installing the ROPS with a previously installed bagger, contact an Authorized Service Dealer for the correct procedure.

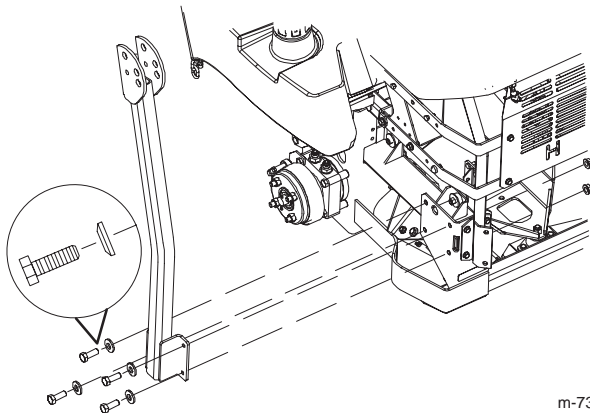
Parts Needed for This Step

Qty.	Part
1	Roll bar, right section
1	Roll bar, left section
1	Roll bar, center section
8	Bolt, 3/8 x 1 inch
8	Curved washer
8	Flange nut, 3/8 inch
2	Bolt, 1/2 x 3-1/4 inches
2	Flange nut, 1/2 inch

Procedure

1. **Loosely** install the right and left roll bar sections to the frame, with 8 bolts (3/8 x 1 inch), 8 curved washers, and 8 flange nuts (3/8 inch).

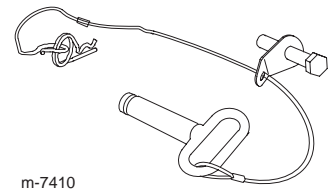
Note: You must install the spring disk cone toward the bolt head.



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2. Install the lanyard clips onto the 2 bolts (1/2 x 3-1/4 inches).

Note: Ensure that the bent tab on each lanyard clip points toward the bolt head.



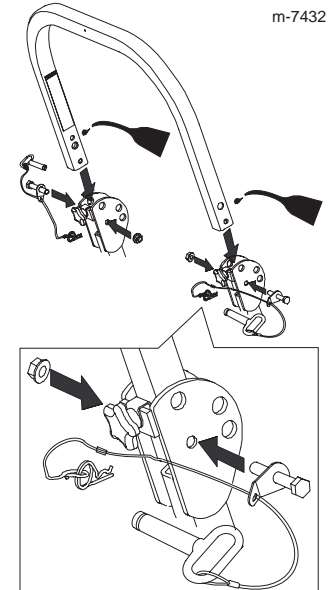
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3. Lightly oil the ends of the center roll bar section.

4. Loosely install the center roll bar section, using 2 bolts (1/2 x 3-1/4 inches) and 2 flange nuts (1/2 inch).

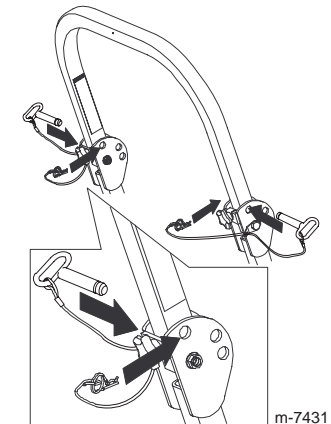
Note: Ensure that the bolts are installed on the outside of the roll bar.

Note: Ensure that the bent tab on the lanyard clip is installed as shown (pointing forward).



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5. Raise the roll bar into the upright position and secure it with the pins and hairpin cotter pins fastened to the lanyards.

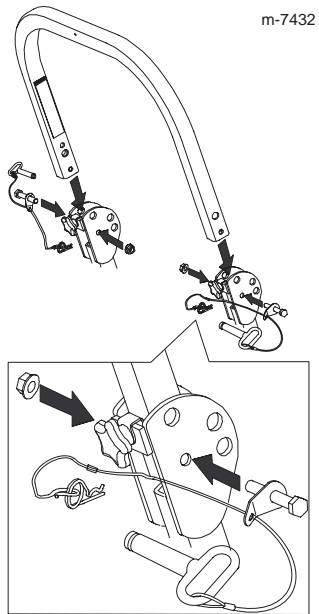


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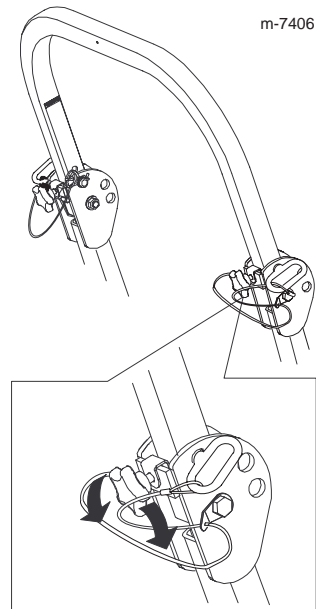
6. Tighten the center roll bar bolts (1/2 x 3-1/4 inches) so that it rotates freely with some resistance.

Note: No more than one thread should be exposed outside the nut.

7. Torque all lower fasteners, attached to the machine frame, to 30 ft-lb.



8. Tighten the front handles against the center roll bar ends.



Step

2

Removing the Existing Seat Frame

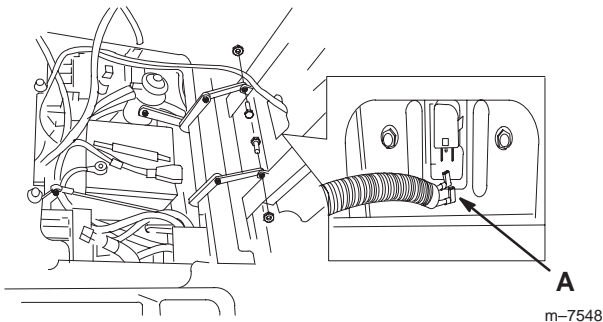
Parts Needed for This Step

Qty.	Part
1	Seat
4	Flange nuts (installed on the seat)

Procedure

1. Tip the seat forward.
2. Remove the 2 connectors (A) from the seat switch.
3. Remove the nuts and bolts that hold the seat to the seat hinges.

Note: Save the hardware.

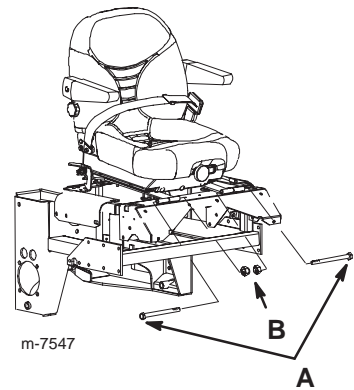


4. Tip the seat back to the upright position.

5. Remove the 2 bolts (A) and 2 locknuts (B) at the front of the seat frame where it is hinged.

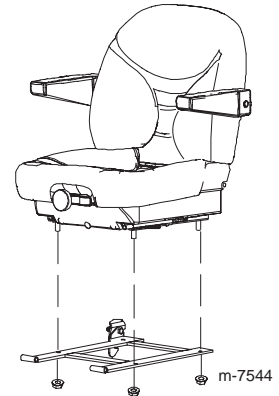
Note: Save the hardware.

6. Remove the seat assembly from the machine.



7. Remove the seat frame from the existing seat by removing the 4 locknuts.

Note: Discard the seat frame, but save the hardware.



Step

3

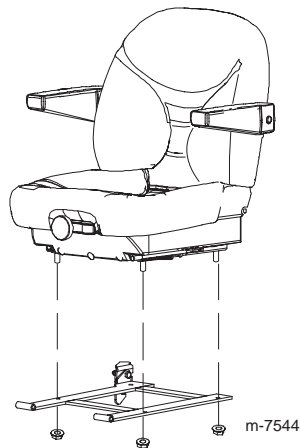
Installing the New Seat Frame

Parts Needed for This Step

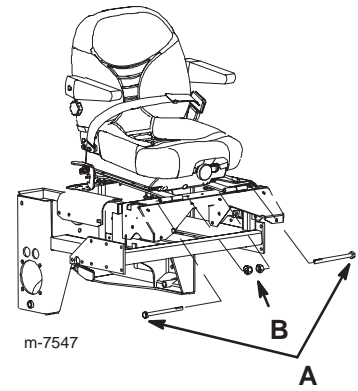
Qty.	Part
1	Seat frame

Procedure

1. Install the seat to the new seat frame with the 4 locknuts that you previously removed.



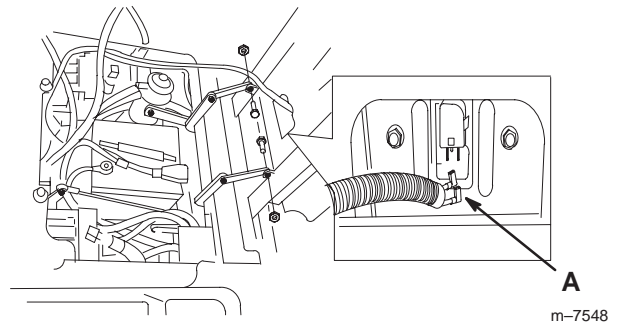
2. Install the seat frame onto the hinges with the 2 bolts (A) and 2 locknuts (B) that you previously removed.



3. Tip the seat forward.

4. Install the seat to the seat hinges with the bolts and nuts that you previously removed.

5. Attach the 2 connectors (A) to the seat switch.



6. Tip the seat back to the upright position.

Step

4

Replacing the Seat Belt

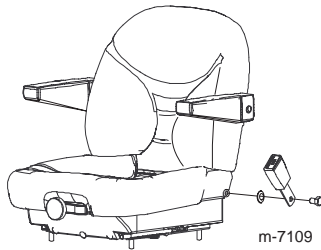
Parts Needed for This Step

Qty.	Part
1	Seat belt
2	Bolt, 7/16 x 1 inch
2	Washer, 7/16 inch

Procedure

1. Remove the 2 bolts and 2 washers that hold both parts of the existing seat belt to the metal seat frame.

2. Install the receiver part of the seat belt to the outside of the metal seat frame with 1 bolt (7/16 x 1 inch) and 1 washer (7/16 inch).



3. Install the long seat belt strap to the outside of the metal seat frame with 1 bolt (7/16 x 1 inch) and 1 washer (7/16 inch).

