

Operator Seat

Safety, Operation, Maintenance, & Parts Manual

OS96

rev. A.00 - H.00



Safety is our #1 concern! Read and understand all safety information and instructions before operating, setting up or maintaining this machine.

April 1997

Form #902

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SECTION 1 OPERATION

1.1 Overview

The operator seat is compatible with all '92 through '96 model LT30, LT40, LT30HD, LT40HD, LT60HD and LT70HD standard and super mills. The seat allows the operator to be seated while traveling with the saw head. **NOTE:** The seat reduces maximum cutting length by 25". The seat can be easily removed for full-size logs.



CAUTION! Seat capacity: 300 lb (136 kg). Overloading will damage the feed system.



WARNING! Remove seat when not using with sawmill. Unused seat creates possible pinch point with moving saw carriage.

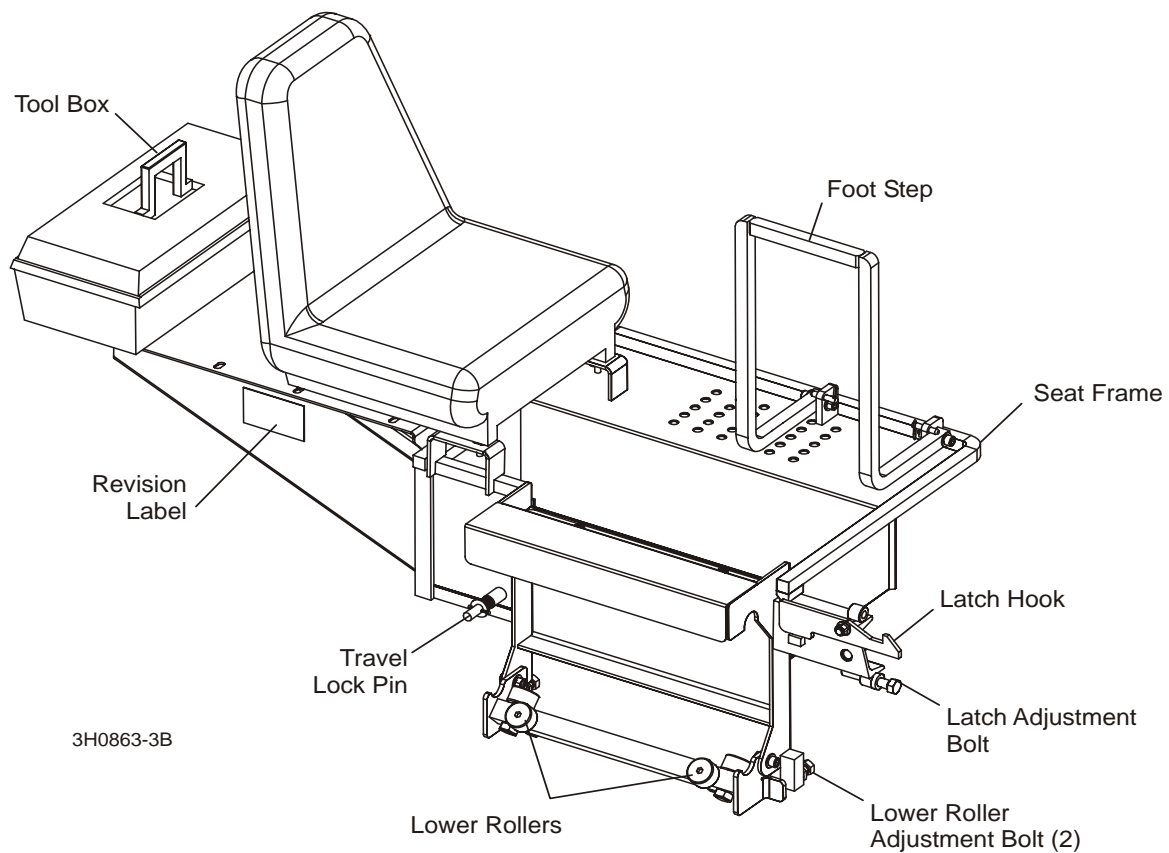


FIG. 1-1

1.2 Installation



CAUTION! (Hydraulic Models Only). Move the saw carriage forward until the power supply contact button is disengaged from the hydraulic power strip. Disconnect the negative (-) battery cable before performing service near the hydraulic power supply. Failure to disconnect the cable could cause damage to the electrical system.

1. Bolt the seat to the frame using the four flat washers and lock nuts provided. Use the front set of holes.

See Figure 1-2.

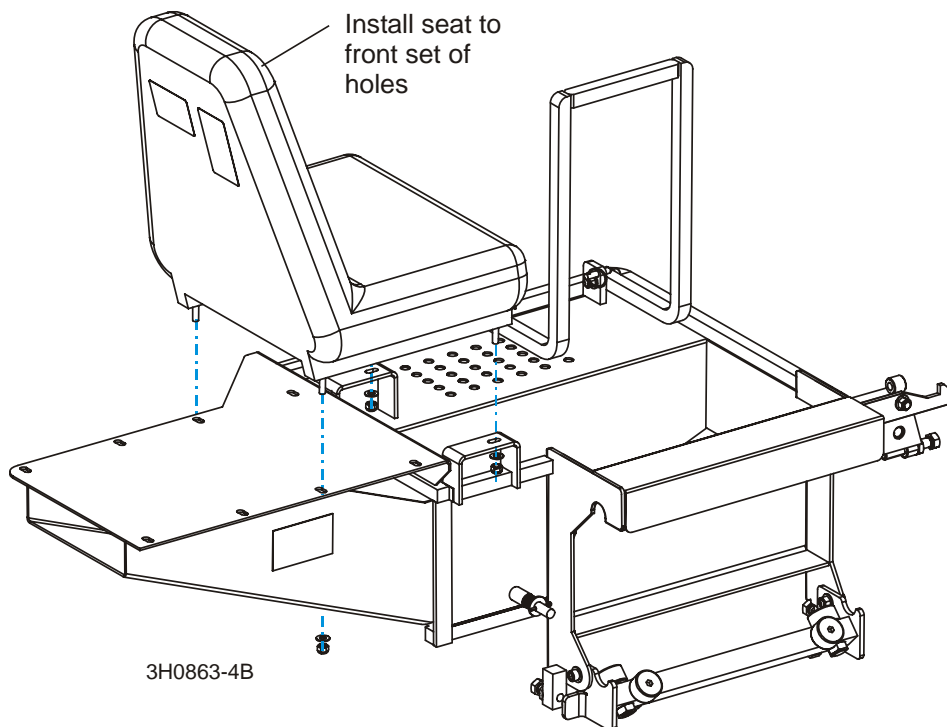


FIG. 1-2

1. Back the two adjustment knobs on the lower bracket of the operator's seat lower roller adjustment bolts all the way out.
2. Position the seat at the front of the mill on the operator's side, facing the saw carriage. Position the top rollers on the top bed rail. Position the lower rollers on each side of the bottom bed rail.

3. Remove the two step retaining pins and lower the foot step. Replace the retaining pins.

See Figure 1-3.

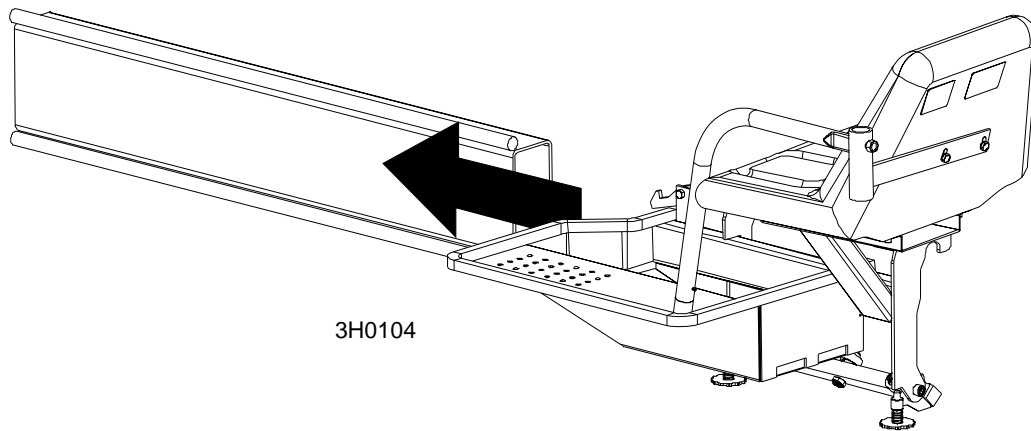


FIG. 1-3

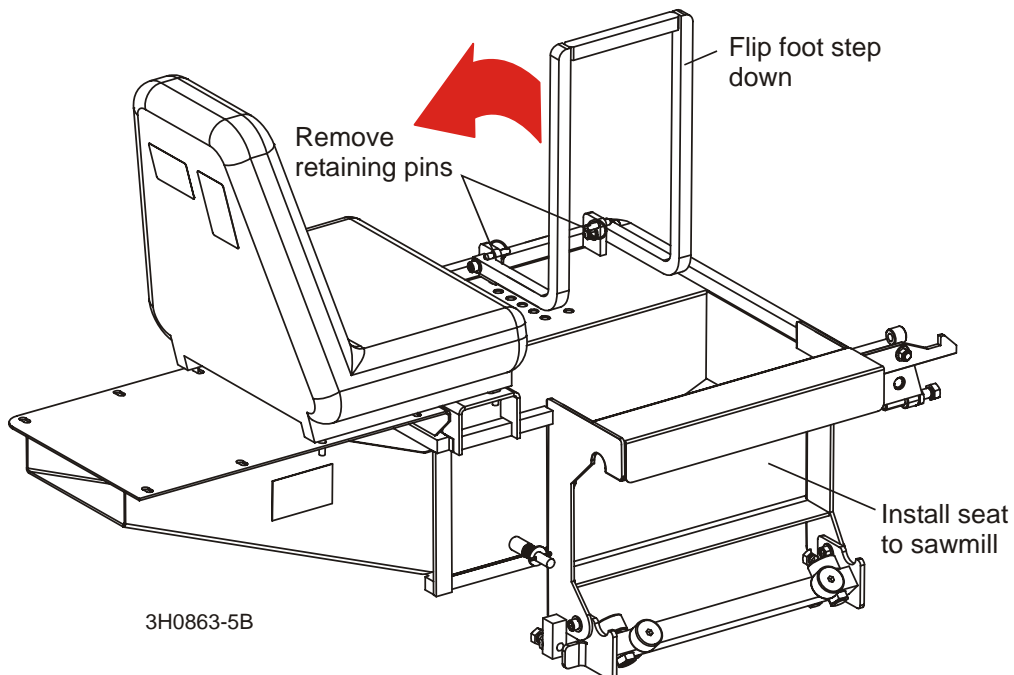


FIG. 1-3

1 Operation

Installation

4. Secure the seat in place by tightening the lower roller adjustment bolts until the lower rollers just touch the bottom bed rail. **DO NOT OVERTIGHTEN!** The seat should roll freely when properly installed.

5. Position the lower rollers on each side of the bottom bed rail. Turn the seat adjustment knobs in as far as they will go, then back them out 1/2 turn to prevent overtightening.

See Figure 1-4.

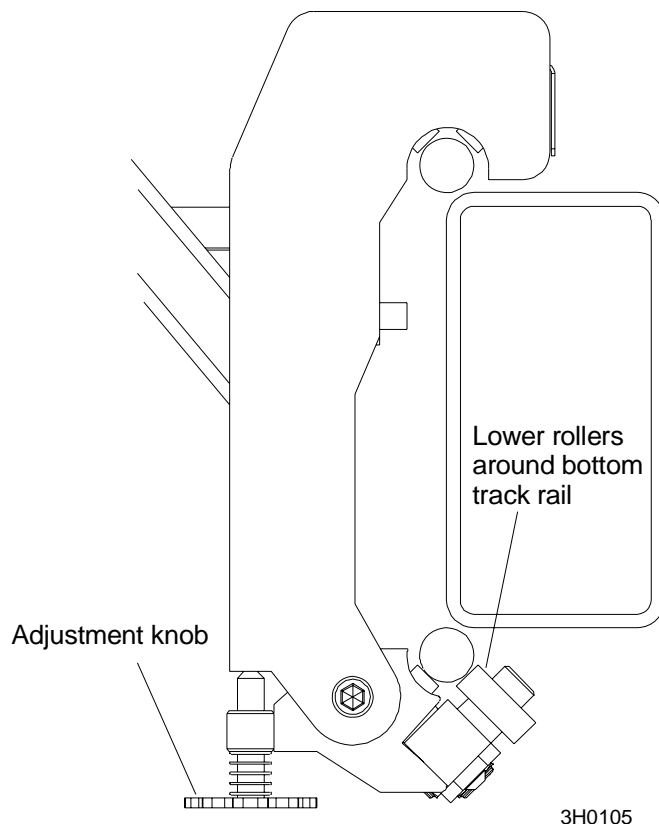


FIG. 1-4

1 Operation

Installation

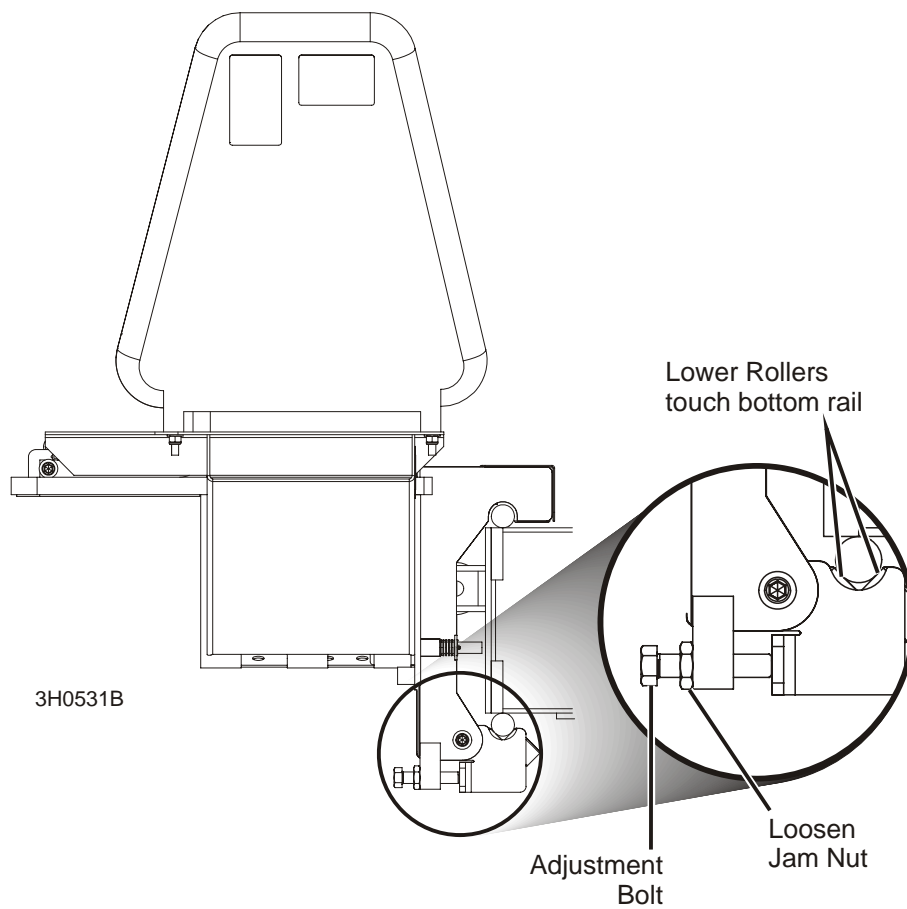


FIG. 1-4

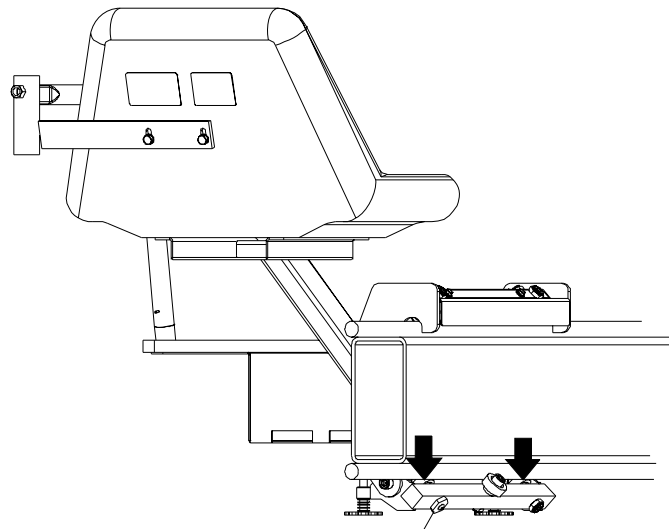
6. Remove the fender on the operator's side of the sawmill.

7. Check that both lower end rollers are touching the track and sharing the weight of the seat evenly.

See Figure 1-5.

8. If one end roller has more pressure than the other, adjust the eccentric roller until both end rollers have equal pressure.
9. Retighten the hand knobs and back off 1/2 turn.

NOTE: After adjustment, the lower center roller may be slightly touching or slightly off the bottom rail.



Adjust eccentric spacer
until both end rollers share load

3H0106

FIG. 1-5

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Operation

Installation

10. Connect the seat to the sawmill carriage. Lift up on the seat latch, and move the seat in toward the carriage until the latch hook is underneath the track roller housing. Release the latch.

See Figure 1-6. Make sure the seat is securely fastened to the carriage and there is no looseness between the seat and the sawmill carriage. Use the latch adjustment bolt to adjust the latch. Loosen the jam nut on the latch adjustment bolt. Turn the adjustment bolt out as desired. Check the seat for looseness. Repeat as necessary until the seat is securely fastened to the carriage. Retighten the jam nut.

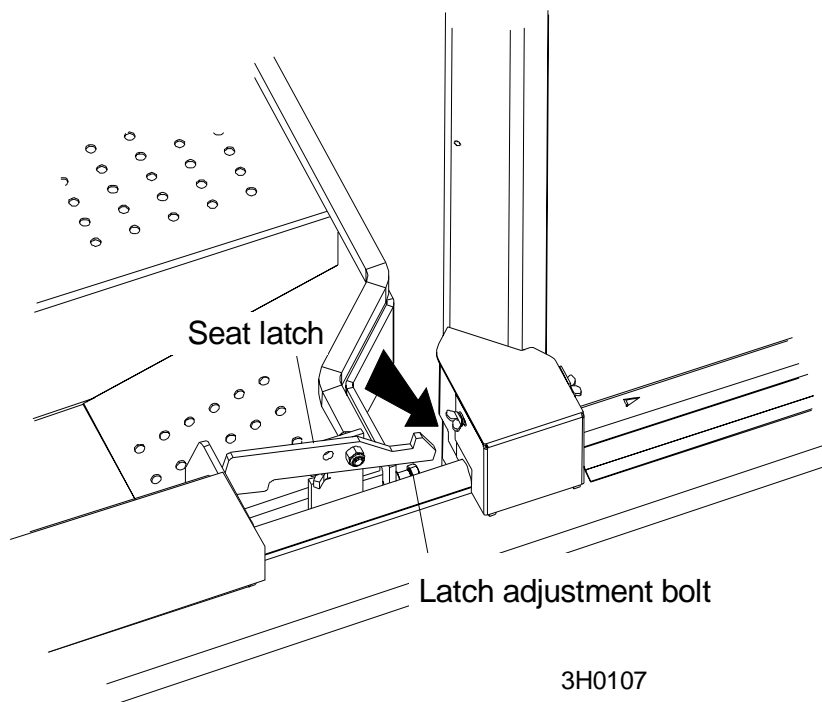


FIG. 1-6

11. An adjustment handle is provided to allow the operator to slide the seat forward or back. Pull the handle to the side and adjust the seat as desired. Release the handle.

12. Install the tool box to the seat frame. Use the hardware supplied in the tool box to mount the box to the holes located directly behind the seat.

See Figure 1-7.

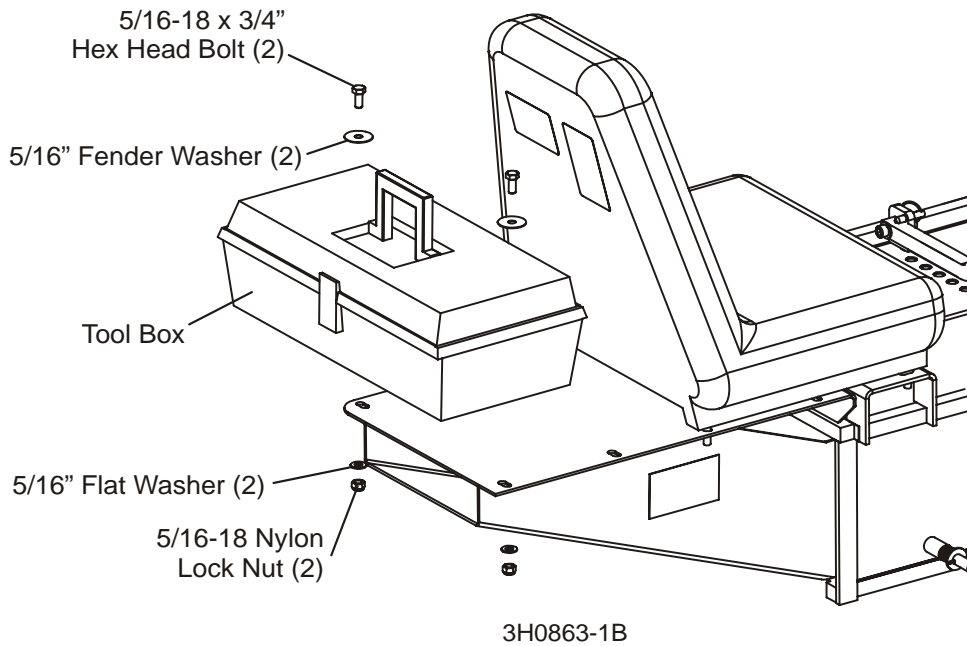


FIG. 1-7

13. Slowly move the saw carriage up and down the entire length of the sawmill and check the seat clears all obstacles. In some situations, you may need to adjust outriggers down so the seat will clear the top of the outrigger tubes.

1.3 Towing The Sawmill With Seat

1. Move the saw head to its towing position.
2. Disconnect the seat from the sawmill carriage by pulling up on the seat latch and pulling back on the seat. Move the seat back past the trailer wheel until the travel lock pin aligns with the hole in sawmill frame tube. [See Step 5](#) if your sawmill does not have a hole in the frame tube that aligns with the seat travel lock pin.
3. Pull the travel lock pin out as far as it will go, rotate 1/2 turn, and release. The spring-loaded pin should engage the hole in the sawmill frame tube.

See Figure 1-8.

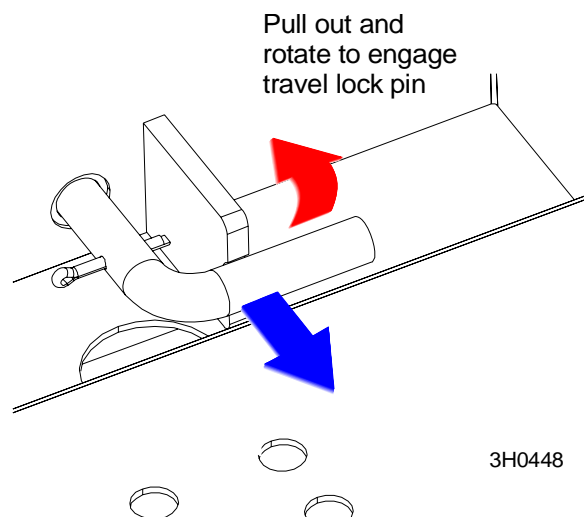


FIG. 1-8

4. Remove the step retaining pins and lift the foot step to its travel position. Replace the retaining pins.

To unlock the seat from the traveling position, pull the travel lock pin out as far as it will go. Rotate 1/2 turn and release into the pin resting bracket. The bracket will keep the pin from returning to the locking pin hole.

5. Slide the seat back until the seat frame clears the sawmill fender by 2 to 3 inches.
6. Pull the travel lock pin out as far as it will go, rotate 1/2 turn, and release. Mark the location where the travel lock pin contacts the sawmill frame tube.

7. After you have marked the location, pull the pin out, rotate the 1/2 turn, and release into the pin resting bracket. Move the seat slightly forward to allow access to the hole location. Start a 5/8" hole at the marked location, drilling until the point of the drill bit is just about to break through the side of the tube. Use a hole punch to complete the hole.



CAUTION! DO NOT drill through to the inside of the tube. Doing so will cause damage to the hydraulic lines or trailer light wiring inside the tube.

1.4 Seat Roller ReplacementMaintenance

When replacing seat roller bearings, be careful not to overtighten the nuts that secure the bearings to the frame.



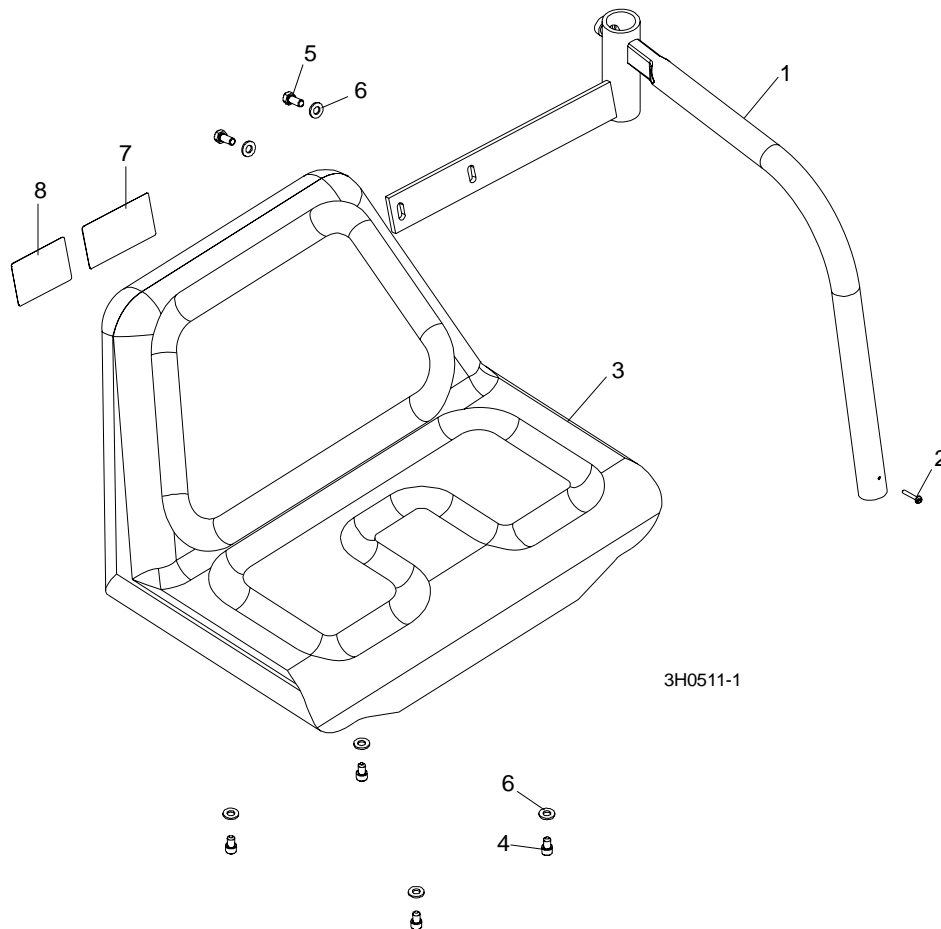
CAUTION! Overtightening the seat roller nuts may damage the threads on the bearing stud and/or the nut.

Maximum torque used to tighten the nuts is 65 ft.-lbs. (dry threads) or 32 ft.-lbs. (oiled threads).

Clean and repack the roller bearings every 250 hours of operation. Remove the bearing tires, retainer rings, and grease seals. Clean the bearings with mineral spirits. Repack the bearing with NLGI No. 2 grade lithium grease.

SECTION 2 REPLACEMENT PARTS

2.1 Seat/Arm Rest



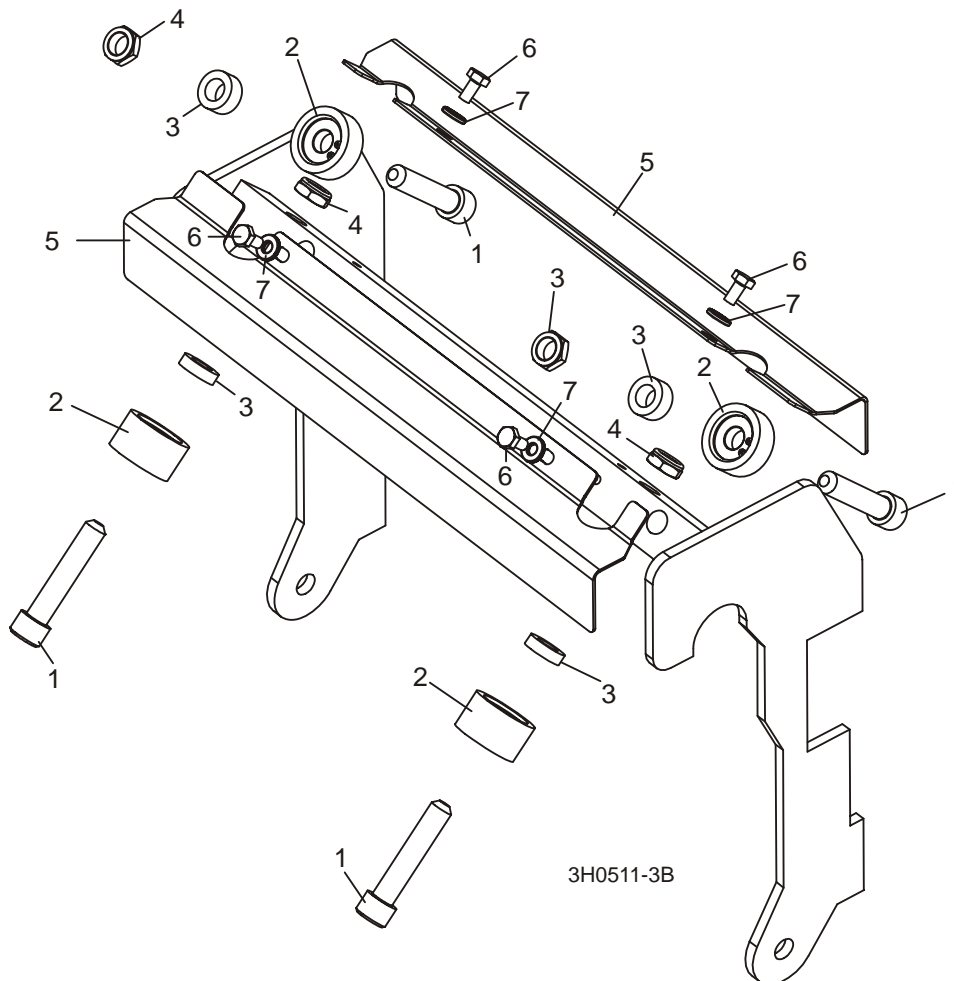
REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.
	OPERATOR SEAT OPTION, COMPLETE (Includes all parts in Sections 2.1 - 2.4)	OS96	1
1	Arm Rest, Operator Seat	W11340	1
2	Screw, #10 x 1" Hex Washer Head Self-Tapping	F05015-21 ¹	1
3	Seat, Operator	P11334	1
4	Bolt, 5/16-18 X 1/2" Socket Head	F05006-39	4
5	Bolt, 5/16-18 X 3/4" Hex Head Grade 2	F05006-5	2
6	Washer, 5/16" SAE Flat	F05011-17	6
7	Decal, Remove Operator Seat Warning	S12000	1
8	Decal, 300 Lb. Capacity Caution	S11999	1

¹ Screw replaces 1/8" x 5/8" roll pin F05012-14 originally supplied.

2 Replacement Parts

Upper Roller Bearings

2.2 Upper Roller Bearings

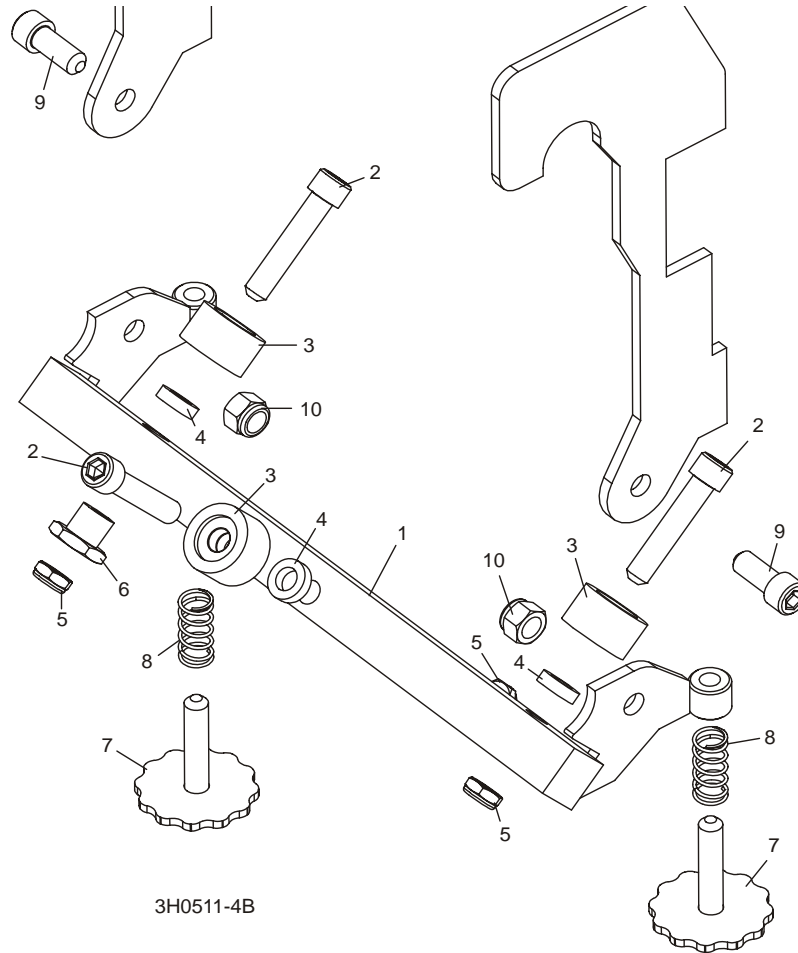


REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.
	ROLLER KIT, OS96 DOUBLE BEARING REPLACEMENT	071237 ¹	4
1	Bolt, 7/16-14 X 2 1/2" Hex Head	F05007-140	1
2	Bearing, 1-1/2 Cam	071238 ²	1
3	Spacer, Operator Seat Roller	011924	1
4	Nut, 7/16-14 Hex Nylon Lock	F05010-135	1
5	COVER, OPERATOR SEAT ROLLER	S11331	2
6	BOLT, 1/4-20 X 1/2" HEX HEAD GRADE 2	F05005-15	4
7	WASHER, 1/4" SPLIT LOCK	F05011-14	4

¹ Use heavy-duty roller 071237 to service 015976 and A11912 previously supplied.

² Bearing 071238 replaces Bearing 015975 and Bearing P11719 previously supplied.

2.3 Lower Roller Bearings



REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.
	BRACKET ASSEMBLY, OPERATOR SEAT LOWER ROLLER MOUNT	W11325	1
1	Bracket Weldment, Operator Seat Lower Roller Mount	W11324	1
	Roller Kit, OS96 Heavy Duty Bearing Replacement	071237 ¹	3
2	Bolt, 7/16-14 X 2 1/2" Hex Head	F05007-140	1
3	Bearing, 1-1/2 Cam	071238 ²	1
4	Spacer, Operator Seat Roller	011924	1
5	Nut, 7/16-14 Hex Nylon Lock	F05010-135	1
6	SPACER, ECCENTRIC OPERATOR SEAT	S12517	1
7	KNOB, OPERATOR SEAT ROLLER ADJUSTMENT	W11329	2
8	SPRING, OPERATOR SEAT ROLLER ADJUSTMENT	P04282	2
9	BOLT, 1/2-13 X 1 1/4" SOCKET HEAD	F05008-38	2
10	NUT, 1/2-13 HEX NYLON LOCK	F05010-8	2

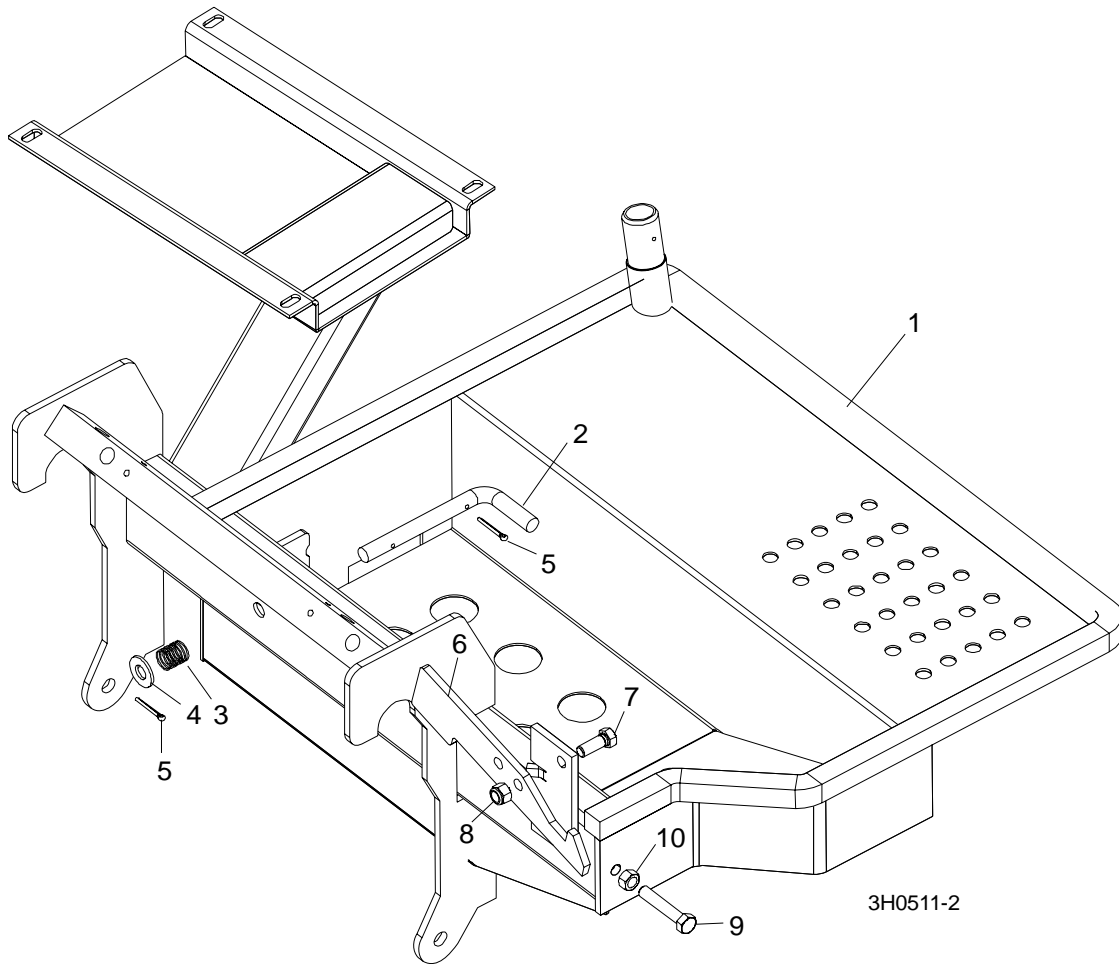
¹ Use heavy-duty roller 071237 to service 015976 and A11912 previously supplied.

² Bearing 071238 replaces Bearing 015975 and Bearing P11719 previously supplied.

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Replacement Parts Seat Frame/Latch/Travel Pin

2.4 Seat Frame/Latch/Travel Pin



REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.	
1	FRAME WELDMENT, OPERATOR SEAT	W11319	1	◆
2	PIN, OPERATOR SEAT TRAVEL LOCK	S11335	1	
3	SPRING, OPERATOR SEAT TRAVEL PIN	P04282	1	
4	WASHER, 1/2" SAE FLAT	F05011-2	1	
5	PIN, 1/8" X 1" COTTER	F05012-1	2	
6	LATCH, OPERATOR SEAT	S11337	1	
7	BOLT, 3/8-16 X 1" HEX HEAD GRADE 5	F05007-87	1	
8	NUT, 3/8-16 HEX NYLON LOCK	F05010-10	1	
9	BOLT, 3/8-16 X 2" HEX HEAD FULL THREAD	F05007-16	1	
10	NUT, 3/8-16 HEX	F05010-1	1	

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