

# **Operator Seat '97+**

**Safety, Operation, Maintenance, &  
Parts Manual**

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**OS Operator's Seat**                      **rev. A.00 - J.00**

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**Safety is our #1 concern!**

*April 1997*

*Form #*

**Fits LT30, LT40, LT50, and LT70 models  
(*non-remote*) 1997 and newer. Call to order  
for older model sawmills.**



**WARNING! Read and understand this  
manual before using this machine.**

## **SECTION 1 INSTALLATION AND OPERATION**

1.1	Overview .....	1-1
1.2	Installation.....	1-1
1.3	Installation.....	1-4
1.4	Towing The Sawmill With Seat.....	1-7
1.5	Seat Roller Replacement.....	1-7

## **SECTION 2 REPLACEMENT PARTS**

2.1	Operator Seat .....	2-1
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## SECTION 1 INSTALLATION AND OPERATION

### 1.1 Overview

The operator seat is compatible with all '97 and later model LT30, LT40, LT30HD, LT40HD, 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.

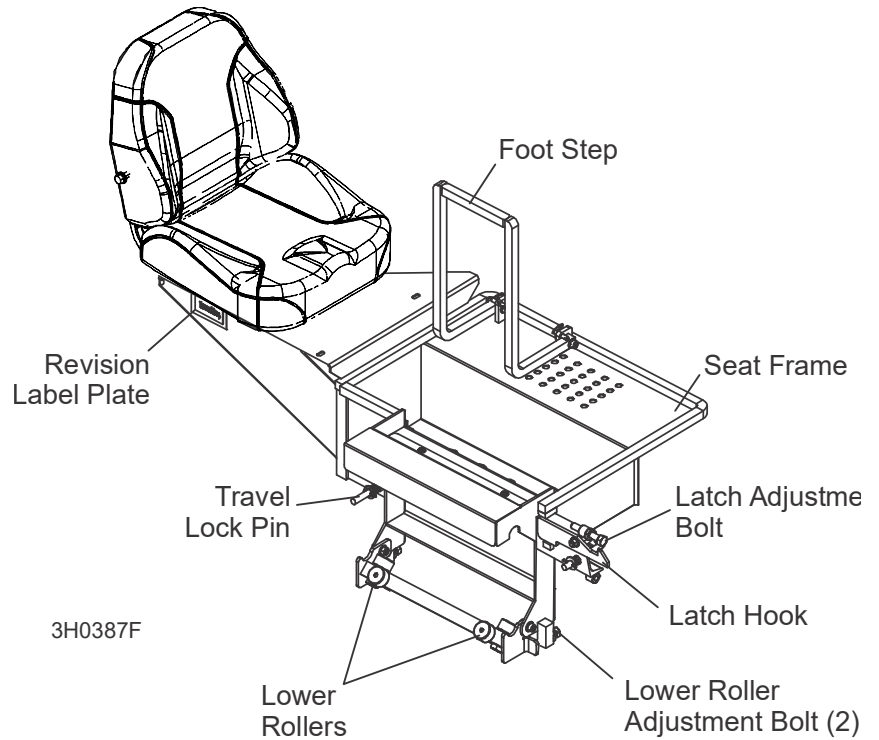


FIG. 1-1

### 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.
2. Use the rear set of holes for LT30/LT40 models and the front set of holes for LT70 models.
1. Back the 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.
3. Position the top rollers on the top bed rail.
4. Position the lower rollers on each side of the bottom bed rail.
5. Remove the two step retaining pins and lower the foot step.
6. Replace the retaining pins.

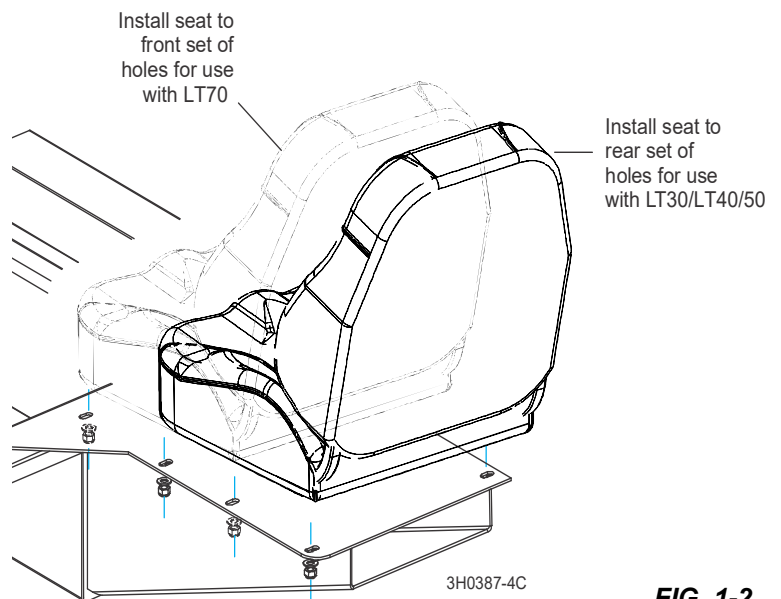


FIG. 1-2

7. Secure the seat in place by tightening the lower roller adjustment bolts until the lower rollers just touch the bottom bed rail.



**CAUTION! DO NOT OVERTIGHTEN!**

The seat should roll freely when properly installed.

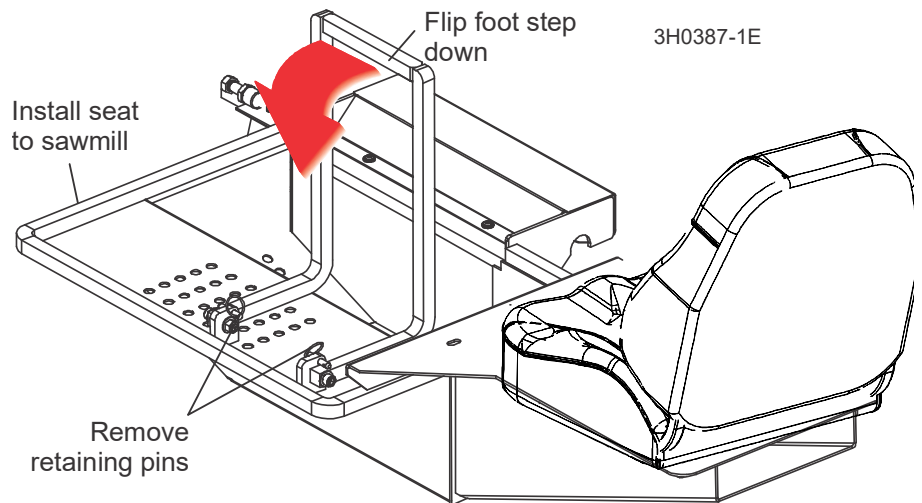


FIG. 1-3

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

9. Install the travel locking pin.

Two different L-shaped travel pins and hardware are provided. The long travel pin should be used if the seat is installed on an LT30/40/50 model sawmill.

#### LT30/40/50 MODELS

- Install one of the provided cotter pins to the travel pin in the hole nearest the bend and spread the cotter pin.
- Insert the travel pin in the hole in the seat frame.
- Install the spring and flat washer on the other side of the frame.
- Secure with the remaining cotter pin.

#### LT70 MODELS

- Install the short travel pin at the location near the seat latch.

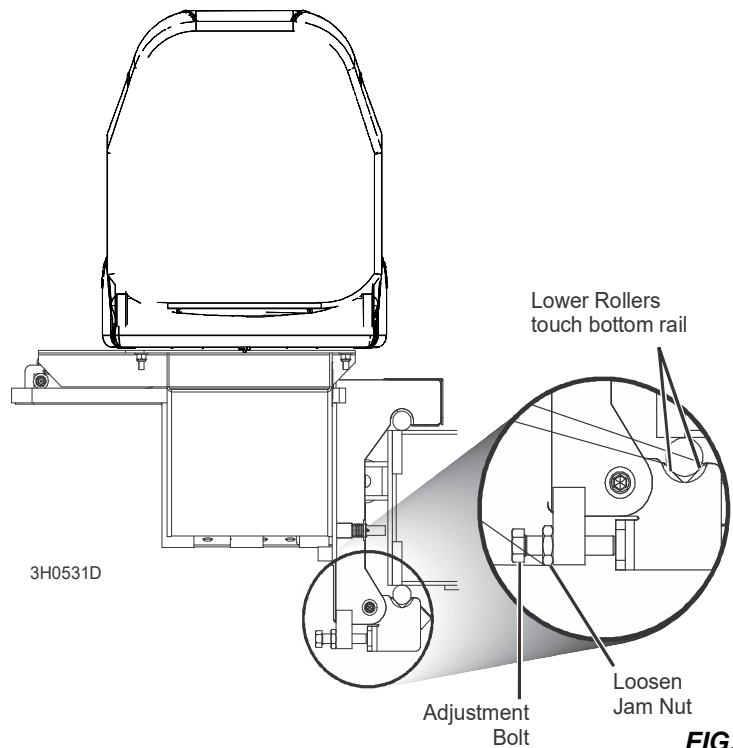


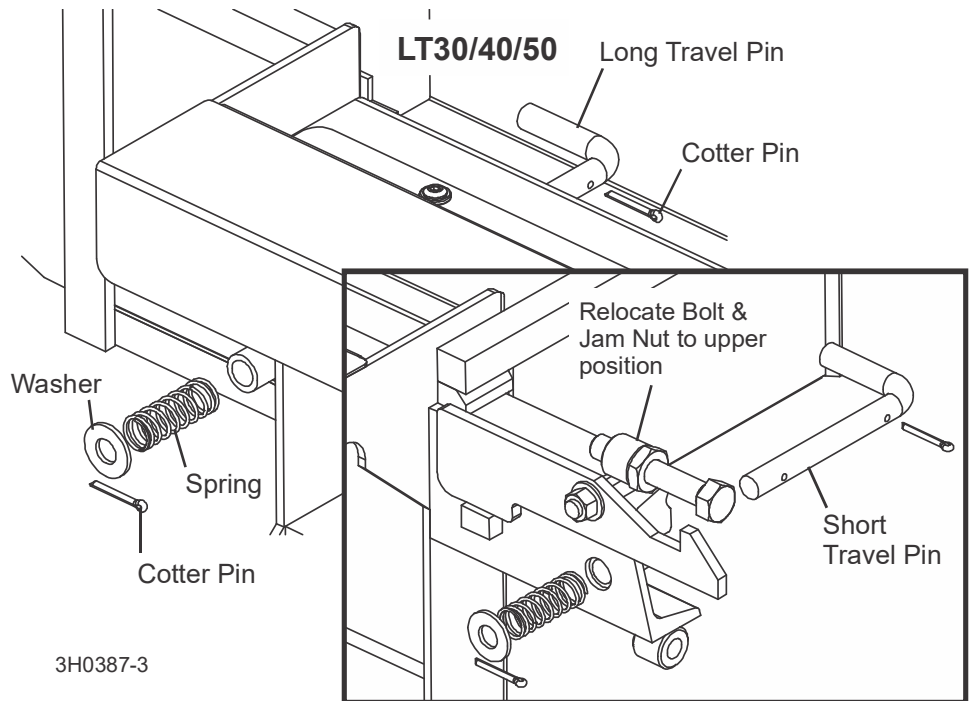
FIG. 1-4

b. Use the same assembly procedure described above.

c. Relocate the latch adjustment bolt and jam nut to the upper position as shown in FIG. 1-5.

10. Connect the seat to the sawmill carriage.

11. Lift up on the seat latch, and move the seat in toward the carriage until the latch hook is underneath the track roller housing.



Alternate Assembly For LT70 Models

FIG. 1-5

12. Release the latch.

13. Make sure the seat is securely fastened to the carriage and there is no looseness between the seat and the sawmill carriage.

14. Use the latch adjustment bolt to adjust the latch.

15. Loosen the jam nut on the latch adjustment bolt.

16. Turn the adjustment bolt out as desired.

17. Check the seat for looseness.

18. Repeat as necessary until the seat is securely fastened to the carriage.

19. Retighten the jam nut.

An adjustment handle is provided to allow the operator to slide the seat forward or back.

20. Pull the handle to the side and adjust the seat as desired.

21. Release the handle.

22. Slowly move the saw carriage up and down the entire length of the sawmill and check the seat clears all obstacles.

**NOTE:** In some situations, you may need to adjust outriggers down so the seat will clear the top of the outrigger tubes.

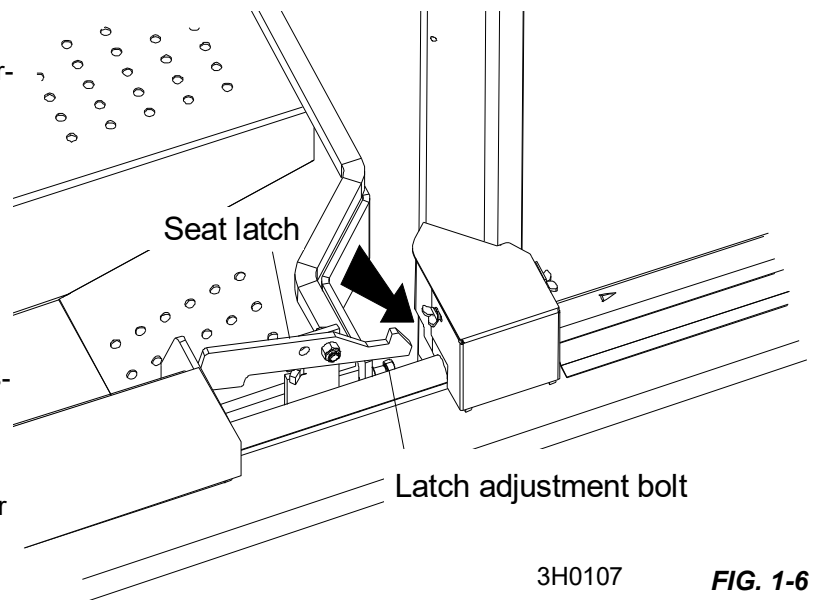


FIG. 1-6

### 1.3 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.
2. Use the rear set of holes for LT30/LT40 models and the front set of holes for LT70 models.
3. Back the lower roller adjustment bolts all the way out.
4. 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.
5. Remove the two step retaining pins and lower the foot step. Replace the retaining pins.

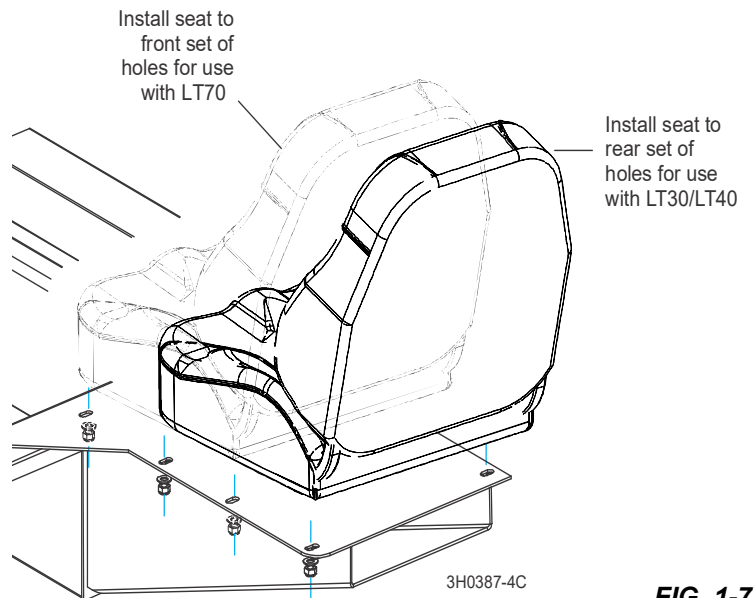


FIG. 1-7

6. Secure the seat in place by tightening the lower roller adjustment bolts until the lower rollers just touch the bottom bed rail.



**CAUTION! DO NOT OVERTIGHTEN!**

The seat should roll freely when properly installed.

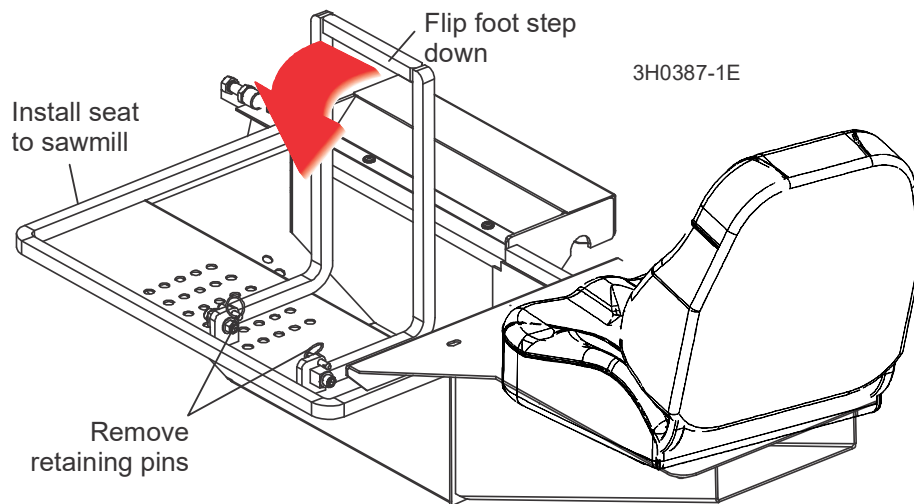


FIG. 1-8

7. Remove the fender on the operator's side of the sawmill.
8. Install the travel locking pin.

Two different travel pins and hardware are provided. The long travel pin should be used if the seat is installed on an LT30/40 model sawmill.

**LT30/40/50 MODELS**

- a. Install one of the provided cotter pins to the travel pin in the hole nearest the bend and spread the cotter pin.
- b. Insert the travel pin in the hole in the seat frame.
- c. Install the spring and flat washer on the other side of the frame.
- d. Secure with the remaining cotter pin.

**LT70 MODELS**

- a. Install the short travel pin at the location near the seat latch.
- b. Use the same assembly procedure described above.
- c. Relocate the latch adjustment bolt and jam nut to the upper position as shown in FIG. 1-10.

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

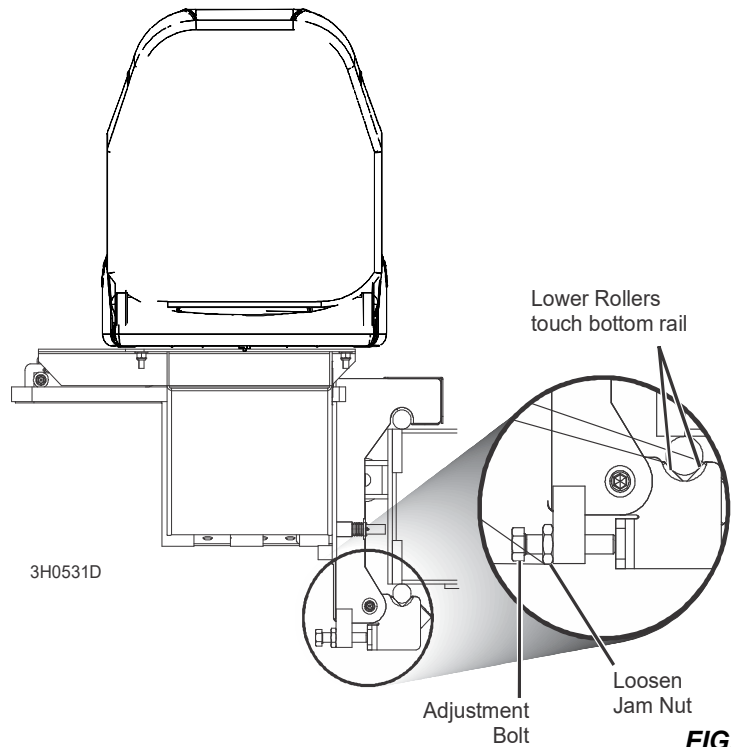
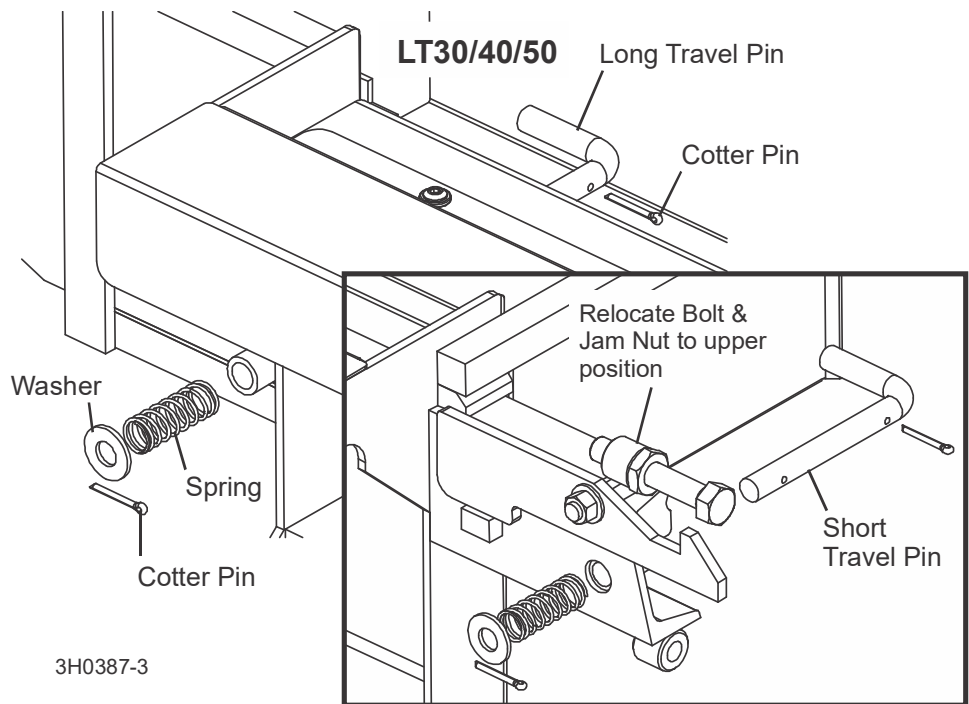


FIG. 1-9



Alternate Assembly For LT70 Models

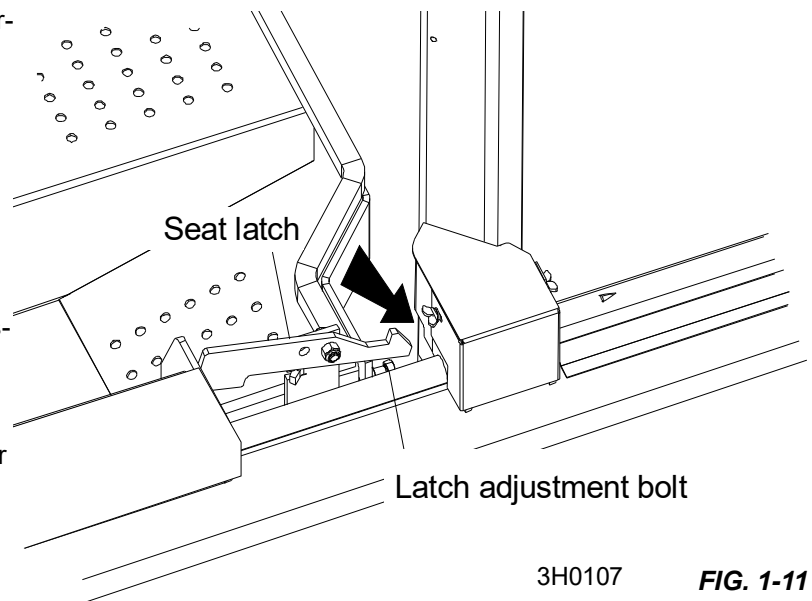
FIG. 1-10

12. Make sure the seat is securely fastened to the carriage and there is no looseness between the seat and the sawmill carriage.
13. Use the latch adjustment bolt to adjust the latch.
14. Loosen the jam nut on the latch adjustment bolt.
15. Turn the adjustment bolt out as desired.
16. Check the seat for looseness.
17. Repeat as necessary until the seat is securely fastened to the carriage.
18. Retighten the jam nut.

An adjustment handle is provided to allow the operator to slide the seat forward or back.

19. Pull the handle to the side and adjust the seat as desired.
20. Release the handle.
21. Slowly move the saw carriage up and down the entire length of the sawmill and check the seat clears all obstacles.

**NOTE:** In some situations, you may need to adjust outriggers down so the seat will clear the top of the outrigger tubes.





## 1.4 Towing The Sawmill With Seat

### LOCKING THE 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.
3. 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.
4. 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.

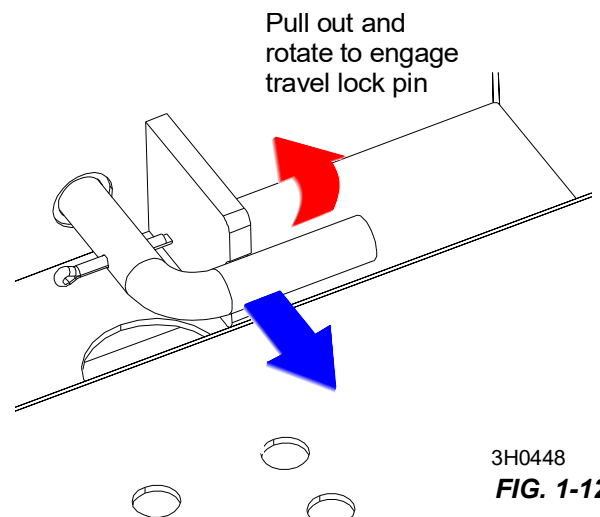
5. Remove the step retaining pins and lift the foot step to its travel position.
6. Replace the retaining pins.

### UNLOCK THE SEAT

1. Pull the travel lock pin out as far as it will go.
2. Rotate 1/2 turn and release into the pin resting bracket.

The bracket will keep the pin from returning to the locking pin hole.

**NOTE: If you have a mill manufactured prior to March 14 1997, you will need to drill a hole in the sawmill frame tube for the travel lock pin.**



3. Slide the seat back until the seat frame clears the sawmill fender by 2 to 3 inches.
4. Pull the travel lock pin out as far as it will go, rotate 1/2 turn, and release.
5. Mark the location where the travel lock pin contacts the sawmill frame tube.
6. After you have marked the location, pull the pin out, rotate the 1/2 turn, and release into the pin resting bracket.
7. Move the seat slightly forward to allow access to the hole location.
8. 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.
9. 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.

## 1.5 Seat Roller Replacement

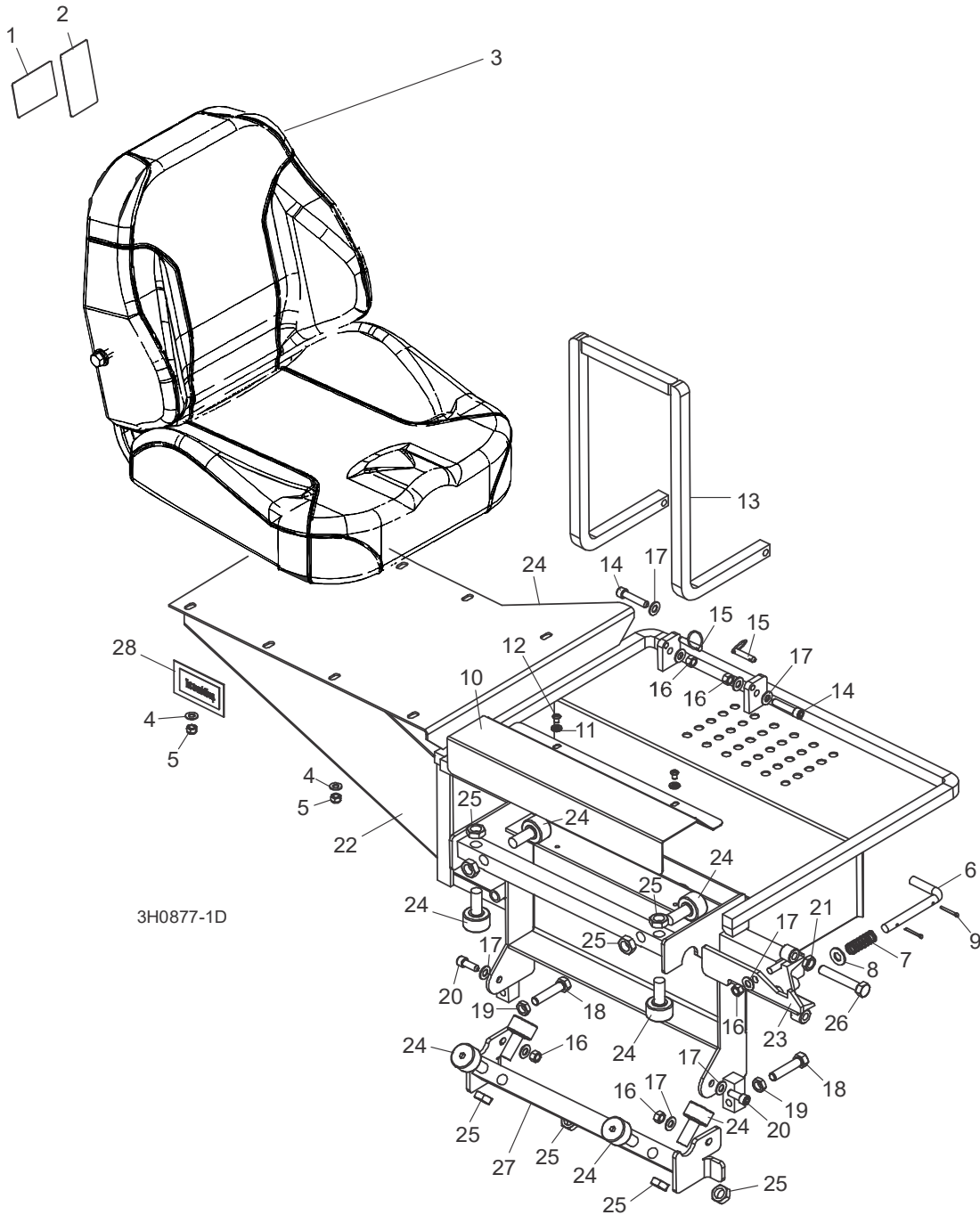
When replacing seat roller bearings, be careful not to overtighten the nuts that secure the bearings to the frame.

**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).

## SECTION 2 REPLACEMENT PARTS

### 2.1 Operator Seat



3H0877-1D

REF	PART #	DESCRIPTION	COMMENTS	QTY.
	OS	<b>OPERATOR SEAT OPTION, LT30/40/50/70 COM-LETE '97</b>		1
1	S12000	Decal, Remove Operator Seat Warning		1
2	S11999	Decal, 300 Lb. Capacity Caution		1
3	133392	Seat, WM Logo w/o Arm Rest		1
4	F05011-17	Washer, 5/16" SAE Flat		4
5	F05010-58	Nut, 5/16-18 Nylon Lock		4

REF	PART #	DESCRIPTION	COMMENTS	QTY.
	038406	Bag Assembly, Travel Lock Pin		
6	038403	Pin, Operator Seat Travel Lock (Long LT30/40/50)		1
	038404	Pin, Operator Seat Travel Lock (Short LT70)		1
7	038405	Spring, Operator Seat Travel Pin		1
8	F05011-2	Washer, 1/2" SAE Flat		1
9	F05012-1	Pin, 1/8" X 1" Cotter		2
10	015782	Guard, OS Bearing		1
11	F05011-14	Washer, 1/4" Split Lock		2
12	F05005-62	Screw, 1/4-20 x 3/8" Socket Button Head		2
13	014736	Step Weldment, OS		1
14	F05007-53	Screw, 3/8-16 x 1 3/4" Socket Head Cap		2
15	F05012-45	Pin, 5/16 x 1" Detaining		2
16	F05010-25	Nut, 3/8-16 Hex Lock		5
17	F05011-3	Washer, 3/8" SAE Flat		9
18	F05008-27	Bolt, 1/2-13 x 2 1/4" Hex Head Full Thread		2
19	F05010-31	Nut, 1/2-13 Jam		2
20	F05007-52	Screw, 3/8-16 x 1" Socket Head		2
21	F05010-31	Nut, 1/2-13 Jam		1
22	015751	Frame Weldment, LT30/40/50/70 97+ Opera-tor Seat	Available in assemblies only.	1
23	018010	Latch, Operator Seat (Short)		1
24	012797	Bearing, Seat Roller		8
25	F05010-11	Nut, 5/8-18 Hex Jam		8
26	F05008-7	Bolt, 1/2-13 x 3" Hex Head Full Thread		1
27	015942	Bar Weldment, Lower Bearing		1
28	016187-OS	Decal, Operator Seat Revision		1
	M613	Manual, 1997 Operator's Seat Option		1