

HUD-SON

FOREST EQUIPMENT

WWW.HUD-SON.COM • 800-765-SAWS

Oscar 118 Hobby Sawmill



For service or warranty call 315-896-4357.

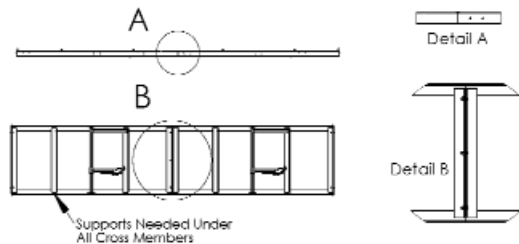


8201 STATE ROUTE 12 • PO BOX 345 • BARNEVELD NEW YORK 13304

Getting Started

1) Setting Up Ground Track

Always wear gloves and eye protection when operating sawmill



Correct Track Set-up

The track is bolted together with bolts and nuts. The mill has 2 bolt/nuts; Put the bolts through the provided holes and tighten them finger tight. Adjust the height of the track so that the two pieces of track meet flush and level. Work one side then the other. Once you achieve this, check to see if the track aligns vertically. If it does not, tap it into position with a hammer. When all is aligned, tighten bolts securely.

Once your track is set, you are now ready to set your sawmill head on the track. Again, be sure that the area is free of obstructions. You are going to want your sawmill head to roll freely down the track.

a) Install head with the operator's side on the opposite side as the movable dog.

Raise your head 3" and roll from one end to the other. The head should roll smoothly along the track. If you feel the head 'thump' when it passes over joint of where the 2 tracks join. Check the joint, the tracks are not level to each other. Re-level & roll head down track again. Also watch track as you roll the head. If track moves, you need to support the track in that area.

Tensioning Blade

Never tension your blade with the engine running. Your mill is shipped to you without any tension on the blade. The reason being is that tension applied to the blade for long

With gloves on, pull up on blade at the center guard. Allow for no more than a 1/4" movement up or down on the blade.

A tensioned blade should come off the bottom of the band wheel and run straight across to the other, so there is no sag in the blade between the two wheels.

Once your blade is tracking properly, replace the guards.

Never force a dull blade; this will result in the blade overheating.

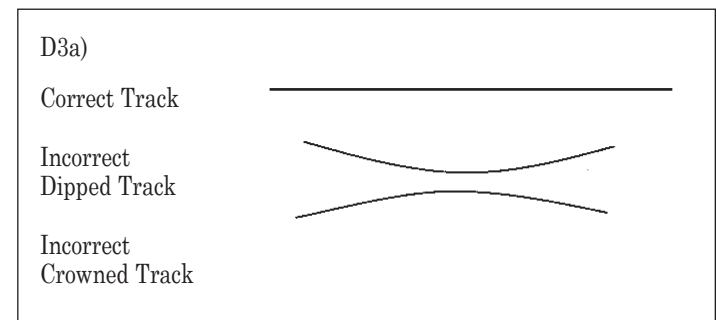
Pick the location for your mill. It should be level and free of obstructions.

Decide how you will support your track sections. A cement pad works best, but square timbers also work well. It is very important to support the track at the joint and under each cross-member. It is also important that your mill is level from front to back and side to side. The better you support your track, the better your mill will work.

Your track has to be put together so that the log dogs are facing the same direction. The moveable dogs have to be on the same side of the track. There are extra holes in the track so that you can move your dogs to different positions along the track.

e) Your track comes with 4 track stops. They are placed at the 4 corners of the track so that the mill will not run off the ends of the track. They are placed on the inside of the track and bolted with a single bolt and nut. They are run at an angle over the track, thus blocking any further travel of the mill head.

For sawing boards accurately, your track needs to be straight or flat. To obtain this, use a string tied from end to end or a level. If your track has a crown or a dip in it, you will not saw straight boards. (see diagram 3a)



periods of time can cause flat spots in the belts. This will cause your blade to fall off the wheel. Always remember to de-tension your blade when you are done sawing for the day.

Turn the adjusting bolt or stud clockwise until 30-35 pounds of torque is achieved. The recommended tool for this procedure would be a torque wrench. By hand rotate blade 3 or 4 full revolutions. This centers the blade on the wheels.

Overuse of the blade jeopardizes the ability of the saw blade to be re-sharpened.

A new blade may stretch after cutting and may have to be re-tensioned to assure quality lumber.

De-tension the bandblade after each day of use.

Never operate mill with guards off.

Your sawmill comes with a Wood-Mizer DoubleHard bandblade. Wood-Mizer has an excellent re-sharpening program for your bandblade.

Adjusting Sawmill Guides

Purpose Of The Guides

One of the many reasons that our sawmills are leading in the industry is due to their superior guide designs. With support on the top, bottom and back of the blade, where can it go? Our guides limit the chance of blade wander. The lower support holds the blade up and decreases the chance of "diving,"

while most companies use only top support. The closer the guide assembly is to the log, the better support the blade has as it cuts.

All guides are aligned and set at the factory but occasionally they get moved out of adjustment in the shipping process or after being used for a period of time. It is important that they be checked often for proper alignment and adjusted accordingly. (Every 8 hours of use or after the days work.)



CAUTION - BEFORE, DURING AND AFTER OPERATION

Check the engine compartment for sawdust and wood trash build up in and around the engine compartment and the exhaust area to prevent any possible fires from starting due to excessive build up. Always clean the sawdust out from under the machine after shut down and be sure there is no sawdust build up near or around the muffler area.

CAUTION - Be EXTRA careful around these areas, unsafe practices may cause personnel injury or damage.

DANGER - Be careful around any rotating parts, they may cause personnel injury or damage.

DANGER - Be sure to be very cautious and alert, these areas may cause personnel

injury or damage.

CAUTION - Operating equipment without guards may cause personnel injury or damage.

BLADE LUBE TANK - Be sure to use the correct lubrication, if incorrect lube is used it may cause personnel injury or damage.

NOTICE - Please remember to send in warranty card and information.

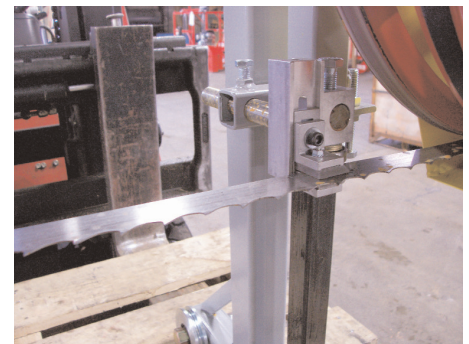
CAUTION - All debris need to be removed from machine before transporting, failure to do so may cause personnel injury or damage.

CAUTION FIRE HAZARD - Keep all sawdust away from motor.



Tools Needed:

- 17mm wrench
- 17mm socket
- 9/16" wrench
- 3/16" Allen wrench



A tensioned blade should come off the bottom of the band wheel and run straight across to the other, so there is no sag in the blade between the two wheels.

Now that the blade is tight, slightly loosen the Allen head that holds the guide shoes so that they slide up and down freely. Now loosen the bolt that fastens the aluminum guide bracket to the guide rod, so that the guide bracket can be moved in and out and it can be rotated in either direction.

Set the guide bracket so that the back bearing is on the same plane as the blade, so that if the blade were to wander back it would hit the back bearing evenly across the middle of the roller. If the bearing needs to be adjusted up or down, loosen the bolt that holds it to the guide bracket and space it in either

direction using the washers that are on either side of the bearing.

Once the bearing is set, position the guide bracket so that the bearing is spaced 1/8" behind the back of the blade. Once the bearing is in position, tighten the bolt on the top of the guide bracket into place. Be sure guide is 90° to the blade.

The guide shoes are to be set using a sheet of paper to gauge the spacing. Place the paper between the shoe and the blade, slide the shoe so that it is pinching the paper, and tighten the bolt so that the shoe is set in place. Do the same on the bottom of the blade. Note that you do not want the shoes to be pinching the blade so hard that they are prohibiting blade travel.

Make sure that all nuts and bolts are tightened firmly.

DISPUTES

All disputes, claims and causes of action arising out of the delivery, use, or warranty claims for personal injury and or property damage must:

- 1. Claimant must provide a written notice of the claim or dispute to the company (at the address below) at least 30 days after the claim arose prior to commencement of any action;
- 2. Company has 60 days to make a decision on the claim and will provide a written response to claimant;
- 3. No action may be commenced until after the company has provided its decision on the claim;
- 4. All claims against the company for any cause related to delivery, design defects, repairs, use of the equipment or warranty shall be filed

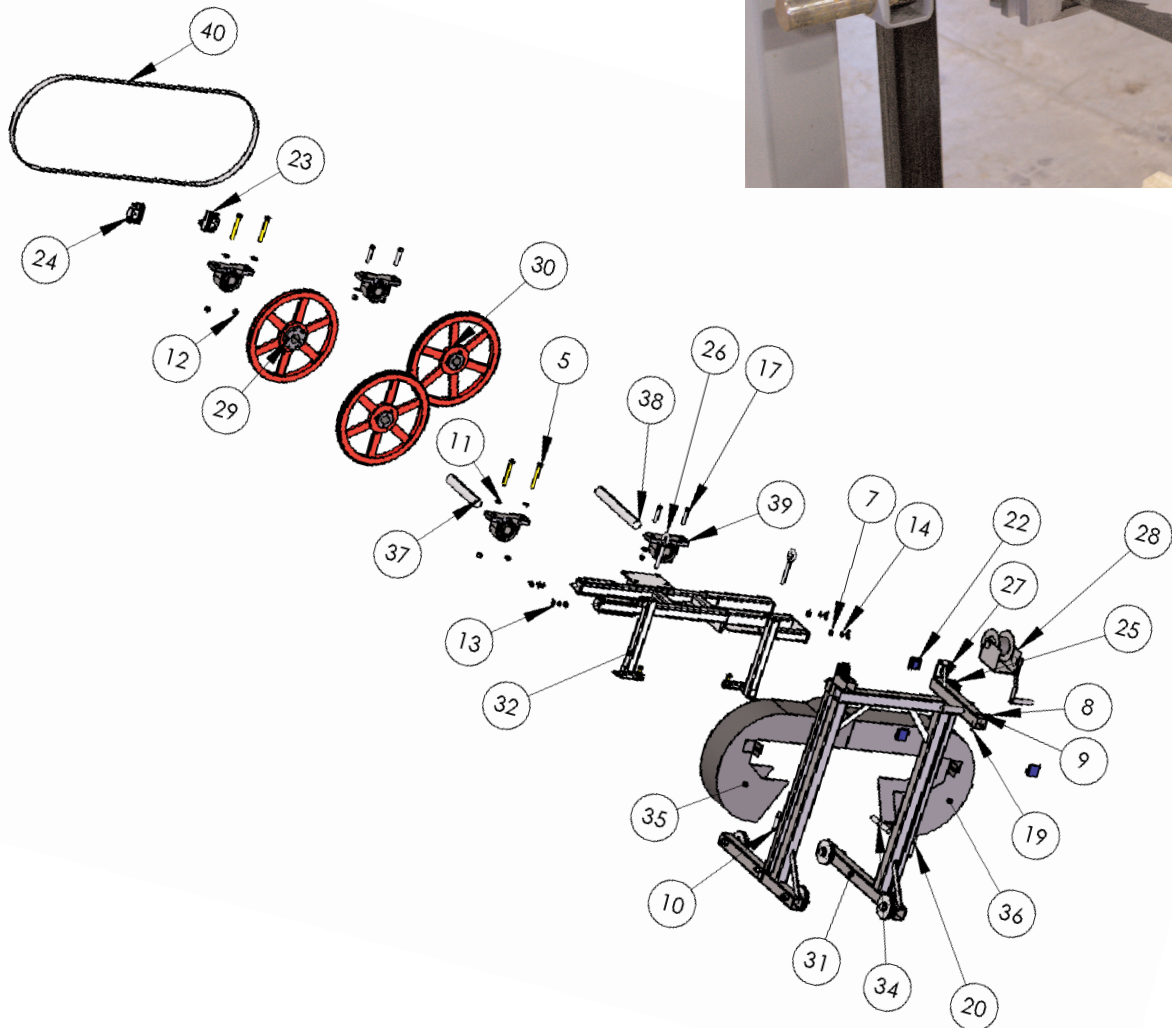
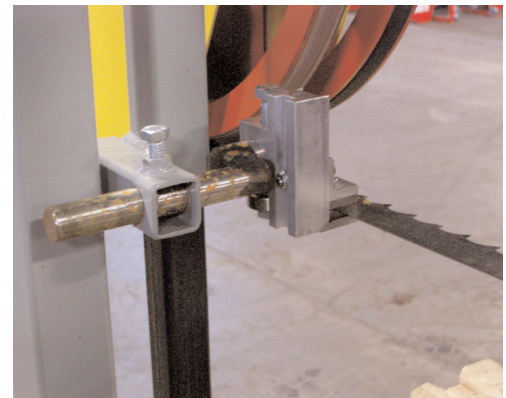
in Supreme Court, Oneida County, State of New York. The parties may file for Arbitration in Oneida County New York after consent by both parties.

5. Construction and interpretation of this agreement and any and all claims shall be subject to the Laws of the State of New York.

6: The address for submission of claims is:
Hud-Son Forest Equipment
PO Box 345
8201 State Route 12
Barneveld, NY 13304

7. Notices under this agreement must be in writing and sent by certified or registered mail;

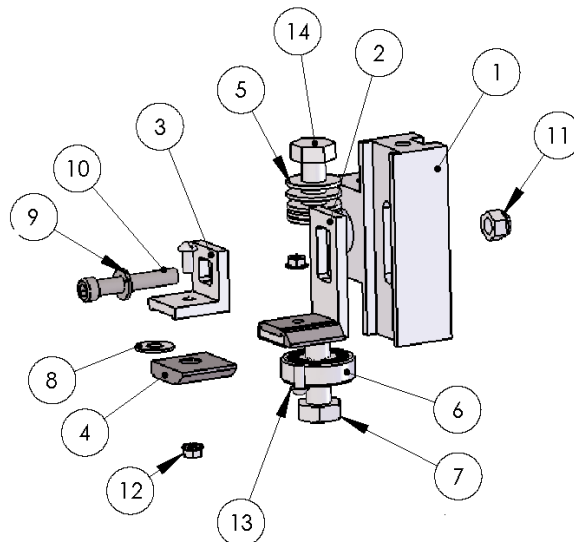
Pictured is a close-up of the guide
It shows all the bolts and bearings that can possibly be adjusted. Note how the teeth are outside of the guide.



Oscar 118 Hobby Assembly

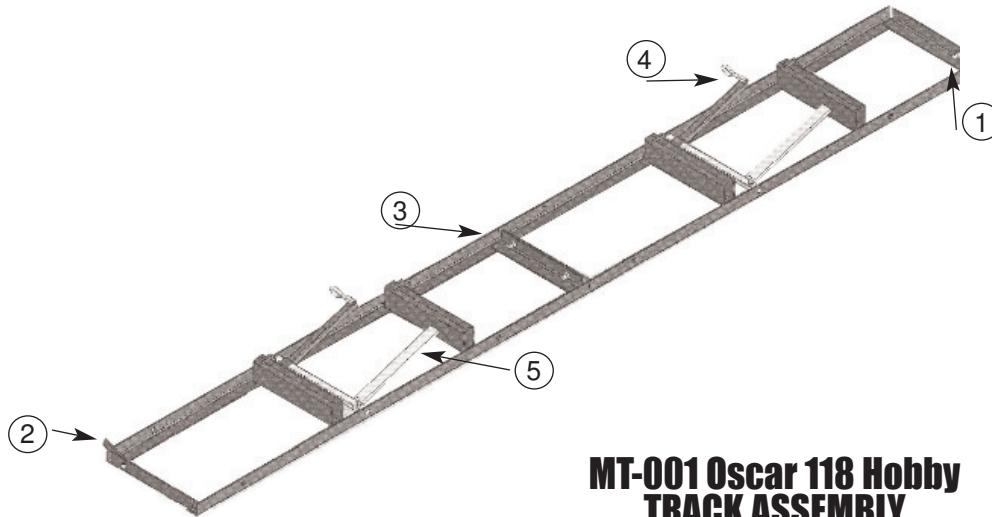
ITEM NO	PART NO.	DESCRIPTION	QTY
1	1133080	SAE 5/16 F/W Z	8
2	1133620	SPLIT 5/16 L/W Z	4
3	1137121	NYLOCK NE 5/16 - 24 Z	4
4	110120328	HCS 5/16- 18X1 3/4 Z5	4
5	110120390 FASTNAL	HCS 1/2 - 13X4 Z5	4
6	11343-00518	1"X3/8"X1/4" NYLON WASHER	1
7	11343-00561	1"X3/8"X.0625" NYLON WASHER	3
8	13005	HCS 1/4 -20X1 Z5	1
9	13015	HCS 1/4-20X3 Z5	2
10	13115	HCS 3/8-16X3 Z5	2
11	33086	SAE F/W 1/2" Z	8
12	36310	FHN 1/2"-13 Z5	8
13	37749	WING CE 3/8 -16Z	4
14	1133008	USS F/W 3/8" Z	7
15	1133078	SAE 1/2 F/W Z	6
16	1133618	SPLIT 1/4 L/W Z	3
17	110120384	HCS 1/2 - 13X2 1/2 Z5	4
18	11343-00644	NY 1/2 X1 1/4 X0.62	7
19	1136302	FHN 1/4-20 Z5	3
20	1136306	3/8 -16 FHN Z5	2
21	1137024	NYLOCK 3/8-16Z	3
22	608567AB	END CAP	3
23	976-00L	GUIDE ASSEMBLY	1
24	976-001-R	GUIDE ASSEMBLY	1
25	976-004	CABLE PULLEY - 00158	4
26	976-006	EYE BOLT - L3	2
27	976-009	SHOULDER BOLT FOR 00158 PULLEY	3
28	DBL800A	WINCH	1
29	DH-1099	SHEAVE W/RED PAINT	1
30	DH-1099A	SHEAVE ASSEMBLY W/BELTING	2
31	MM-001	MINI-MILL FRAME ASSEMBLY	1
32	MM-002	MINI-MILL HEAD ASSEMBLY	1
33	MM-002-19	GUIDE PIN ASSEMBLY	1
34	MM-002-20	MILL-GUIDE PIN ASSEMBLY	1
35	MM-003	MINI-MILL GUARD	1
36	MM-004	MINI-MILL GUARD	1
37	MM-005-01	SMALL MILL KEYED SHAFTING -PILLOW	1
38	MM-005-02	BLOCKS	1
39	UCP20B-24-Q	SM. MILL KEY SHAFT-PILLOW BLOCK	4
40	WM-132	PILLOW BLOCK BAND BLADE	1

976-001 (L/R) GUIDE ASSEMBLY



GUIDE Assembly P/N 976-001

ITEM NO	PART NO.	DESCRIPTION	DFLT QTY
1	976-001-01	018-001-01	1
2	976-001-02	GUIDE BRACKET	1
3	976-001-03	SHORT GUIDE BRACKET	1
4	976-001-05	018-001-05	2
5	976-001-06	GUIDE WASHER	5
6	6200-2RS	6200-2RS BEARING	1
7	976-001-B	GUIDE BOLT	1
8	976-001-SW976-001-SPW	GUIDE WASHER -SW	1
9		018-001-10	1
10	976-001-AB	GUIDE -ALAN BOLT	1
11	976-001-RB	GUIDE-LOCK WASHER	1
12	976-001-LN	GUIDE-LOCK WASHER	2
13	976-001--SCREW	GUIDE-SCREW	2
14	976-001--BOLT	GUIDE-BOLT	1

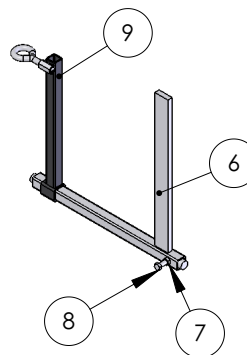


**MT-001 Oscar 118 Hobby
TRACK ASSEMBLY**

MINI-TRACK Assembly P/N MT-001

ITEM NO	PART NO.	DESCRIPTION	QTY
1	MT-001-01-1	MINI-MILL TRACK WELDMENT	2
2	110120380	HCS 1/2 -13X1 1/2 Z5	4
3	1136310	FHN 1/2-13	4
4	DH-0939	TRACK STOP BRACKET	2
5	MM-006	J-BAR & LOG DOG ASSY	2

**MT-006 J-BAR
ASSEMBLY**



J-BAR ASSEMBLY - P/N MM-006

ITEM NO	PART NO.	DESCRIPTION	QTY
6	MM-006-001	MM-J-BAR	1
7	1136306	3/8-16FHN Z5	1
8	110120344	HCS 3/8-16X1 Z5	1
9	MM-006-00-3	MM LOG DOG ASSEMBLY	1
	MM-006-00-2	MM LOG DOG BODY WELDMENT	1
	1137823	COUPLING NUT: 1/2 -13XL1 1/4XA 11/16Z	1
	MM-006-05	MM LOG DOG SPIKE	1