

Debarker Option

Safety, Installation, Operation, Maintenance & Parts Manual

**MKIII for LT60/70AC Sawmills rev. B.00
(Except LT70 Super Sawmills*)**

**See Operator's and Parts Manuals for Debarker Information*

Safety is our #1 concern!

Form #2089

Models Effected:

LT60/70 non-Remote

LT60/70 Remote Sawmills

LT60/70 AC Wireless Sawmills



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

California
Proposition 65 Warning



WARNING: Breathing gas/diesel engine exhaust exposes you to chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

- Always start and operate the engine in a well-ventilated area.
- If in an enclosed area, vent the exhaust to the outside.
- Do not modify or tamper with the exhaust system.
- Do not idle the engine except as necessary.

For more information go to **www.P65warnings.ca.gov**.



WARNING: Drilling, sawing, sanding or machining wood products can expose you to wood dust, a substance known to the State of California to cause cancer. Avoid inhaling wood dust or use a dust mask or other safeguards for personal protection.

For more information go to **www.P65Warnings.ca.gov/wood**.

Active Patents assigned to Wood-Mizer, LLC

Wood-Mizer, LLC has received patents that protect our inventions which are a result of a dedication to research, innovation, development, and design. Learn more at: woodmizer.com/patents

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SECTION 1 SAFETY

1.1 Safety Symbols

The following symbols and signal words call your attention to instructions concerning your personal safety. Be sure to observe and follow these instructions.

 **DANGER!** indicates an imminently hazardous situation which, if not avoided, will result in serious injury or death.

 **WARNING!** suggests a potentially hazardous situation which, if not avoided, could result in serious injury or death.

 **CAUTION!** refers to potentially hazardous situations which, if not avoided, may result in minor or moderate injury or damage to equipment.

NOTICE indicates vital information.

1.2 Safety Instructions

OWNER/OPERATOR'S RESPONSIBILITY

The procedures listed in this manual may not include all ANSI, OSHA, or locally required safety procedures. **It is the owner/operator's responsibility and not Wood-Mizer LLC to ensure all operators are properly trained and informed of all safety protocols.** Owner/Operators are responsible for following all safety procedures when operating and performing maintenance to the equipment.

Observe ALL Safety Instructions

NOTICE Read the entire Operator's Manual before operating this equipment.

Note all safety warnings throughout this manual and those posted on the machine.

Be able to access this manual at all times while operating this equipment.

Read additional manufacturer's manuals and observe their applicable safety instructions.


Only persons who have read and understood the entire operator's manual should operate this equipment.

This equipment is not intended for use by or around children.


It is the owner/operator's responsibility to comply with all applicable federal, state, and local laws, rules, and regulations regarding the ownership, operation, and transporting your equipment.



Operators should become thoroughly familiar with and comply with these applicable laws for operating and transporting equipment.


 **WARNING!** Clean sawdust from all guards, vents, control boxes, or any area where sawdust may gather **after every shift**. Failure to do so may result in fire, causing death or serious injury.

1.3 Installation and Maintenance

 **DANGER!** On electric mills, hazardous voltage inside the disconnect box, starter box, and at the electric motor can cause shock, burns, or death. Disconnect and lock out power supply before performing debarker installation! Follow all applicable electrical codes.

DANGER! Make sure all electrical installation, service and/or maintenance work is performed by a qualified electrician and is in accordance with applicable electrical codes.

DANGER! Before performing any service to this equipment, turn the key to the OFF position, remove the key, and disconnect the sawmill battery ground terminal.

 **WARNING!** Before replacing the debarker blade, move the sawmill blade guide arm in front of the sawmill blade to cover the blade teeth.

1.4 Operation and Towing



DANGER! Make sure all guards and covers are in place and secured before operating the debarker option. Failure to do so may result in serious injury.

DANGER! Keep all persons out of the path of moving equipment when operating the debarker. Failure to do so will result in serious injury.

DANGER! Always remove the key from the control panel before preparing the debarker for towing. Failure to do so may result in serious injury.



WARNING! Debarker is ON when warning light is on. DO NOT disconnect the warning light. Doing so may result in serious injury.

WARNING! If the debarker continues to run with the key switch in the OFF position, remove the negative battery terminal from the battery post.

DO NOT continue to operate the mill if the main key switch does not control debarker operation. Doing so could result in serious injury. Call Wood-Mizer customer service for more information.

SECTION 2 DEBARKER INSTALLATION



DANGER! On electric mills, hazardous voltage inside the disconnect box, starter box, and at the electric motor can cause shock, burns, or death. Disconnect and lock out power supply before performing debarker installation! Follow all applicable electrical codes.

DANGER! Before performing any service to this equipment, turn the key to the OFF (0) position, remove the key, and disconnect the sawmill battery ground terminal. Failure to do so will result in serious injury or death.



CAUTION! Due to various design changes and past retrofits and options, you should very carefully look your mill over to determine Debarker compatibility before beginning Debarker installation.

2.1 Debarker Installation



DANGER! Always disengage the blade and shut off the sawmill engine before installing the debarker. Failure to do so will result in serious injury.

IMPORTANT! Sawmills are equipped with pre-drilled Debarker mounting holes. **Verify hole locations before beginning Debarker installation. Proper hole location is imperative for safe and effective Debarker operation.**

See Figure 2-1. The debarker wiring is pre-routed and secured at the debarker mounting location with a guard. Remove the guard and route the wiring through the grommet in the saw head. Note the location of the two debarker mounting holes.

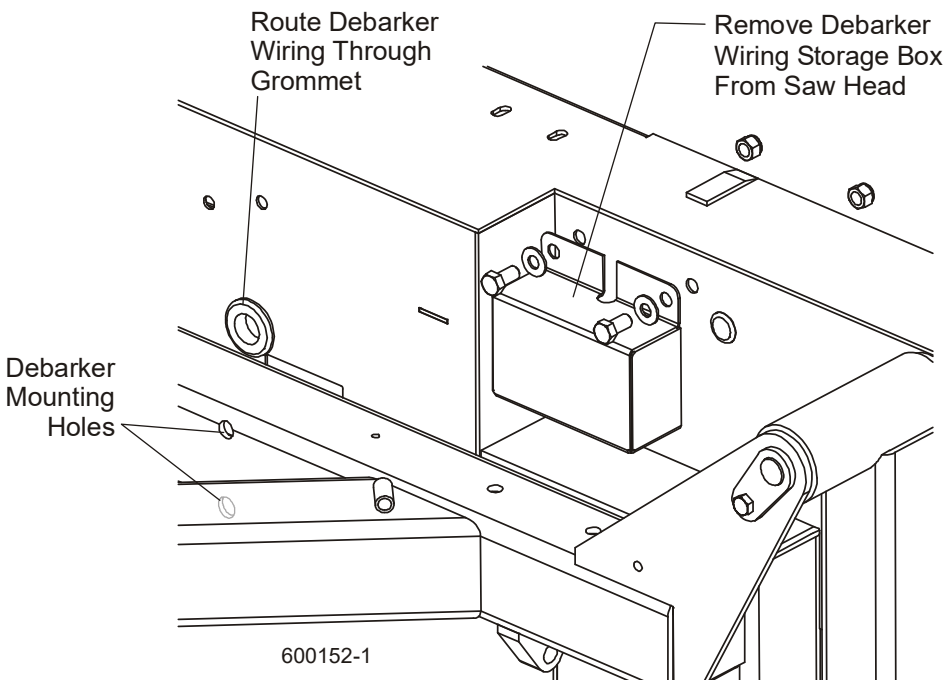


FIG. 2-1

1. Assemble the debarker to the sawmill saw head. Align the mounting block holes and the two debarker mounting holes in the saw head. Use the provided 1/2-13 x 4" hex head bolts and 1/2" split lock washers to secure in place. Make sure the debarker is square to the saw head before tightening.
2. Assemble the debarker cutting head to the mount plate on the frame.

Use the four provided 5/16-18 x 3/4" bolts and 5/16" split lock washers to mount the cutting head to the debarker frame. Use the lower set of four holes in the head mounting plate. The upper set of holes are provided in the event the cutting head needs to be adjusted further down than the slotted motor mount holes will allow.

See Figure 2-2.

2

Debarker Installation

Debarker Installation

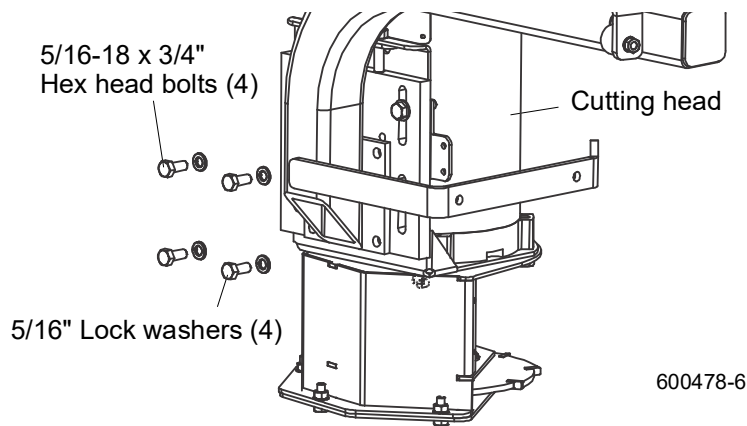


FIG. 2-2 DC DEBARKER

3. Install the blade guard bracket and flexible debris guard to the debarker head with two 1/4" flat washers, lock washers, and 1/4-20 x 1" hex head bolts. Be sure the bottom of the debris guard is even with the bottom of the debarker blade.

See Figure 2-3.

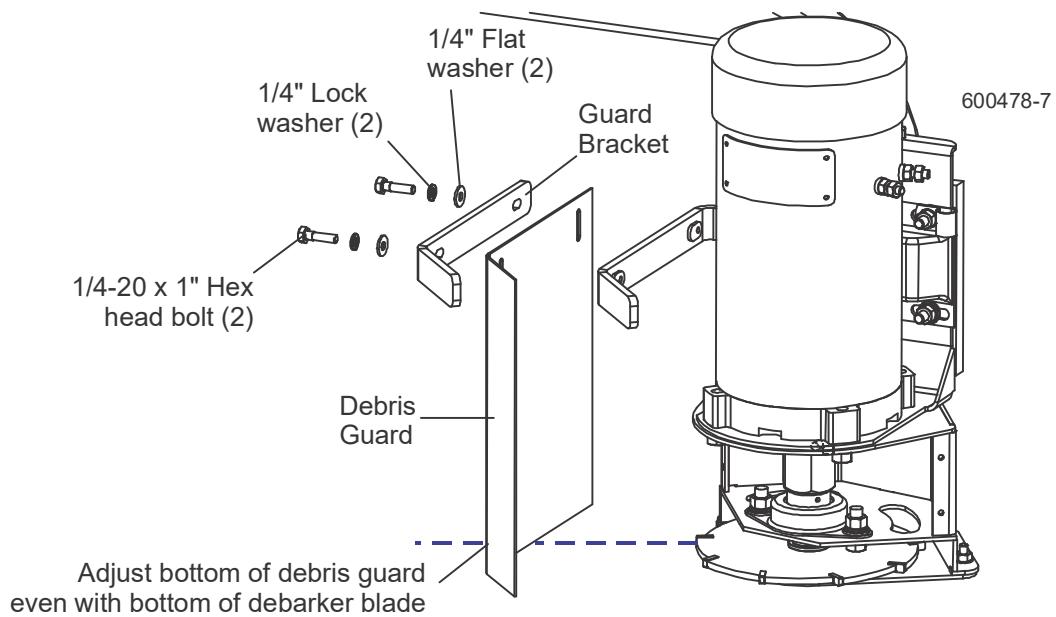


FIG. 2-3 DC DEBARKER

2.2 Harness Installation

DANGER! Before performing any service to this equipment, turn the key to the OFF (0) position, remove the key, and disconnect the sawmill battery ground terminal. Failure to do so will result in serious injury or death.



IMPORTANT! Avoid pinch and pivot points, unnecessary wire bending and open spaces where the wire could get caught by a log, etc. If you have any questions, call Wood-Mizer customer service.

1. Route the harnesses through the saw head frame hole as shown. Continue routing the long blade motor wire harness (large wires/ring terminals) inside the debarker frame through the three holes with grommets.

See Figure 2-4.

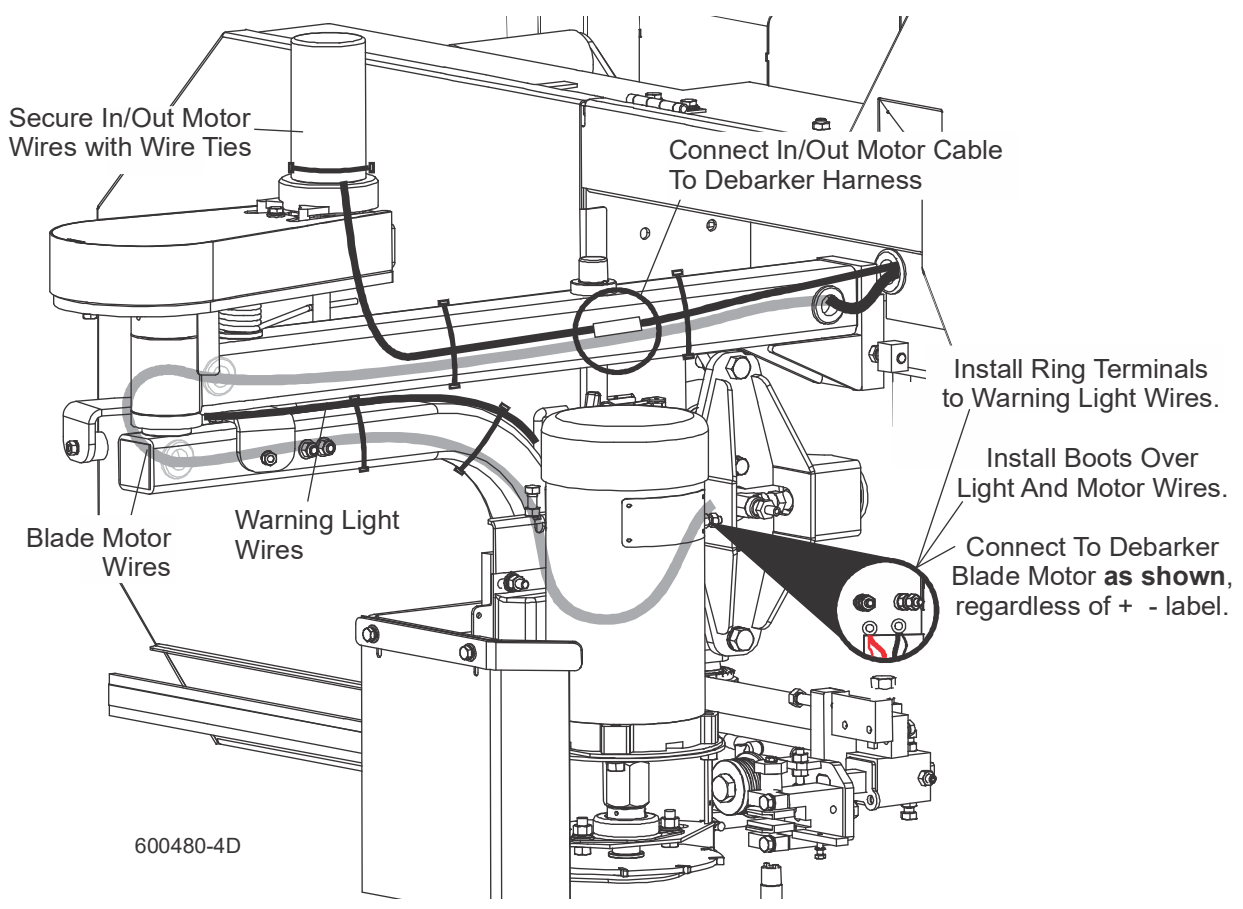


FIG. 2-4

2

Debarker Installation

Harness Installation

2. Cut the conduit of the in/out motor wire harness to expose the quick connect terminals. Remove the rubber cap from the in/out motor and install the removed conduit around the in/out motor wires. Route the wires down the side of the in/out motor to the quick connects. Be sure to leave slack in the harness to avoid kinking and bending as the debarker moves in and out. Replace the motor cap and secure the harness to the in/out motor by connecting two wire ties together and wrapping around the motor.
3. Connect the in/out motor wire harness to the in/out motor saw head harness. Secure the harness to the blade motor frame with wire ties.
4. Route the warning light harness on top of the blade motor pivot arm to the debarker blade motor. Secure the warning light wires to the pivot arm with wire ties as shown above.

See Figure 2-5.

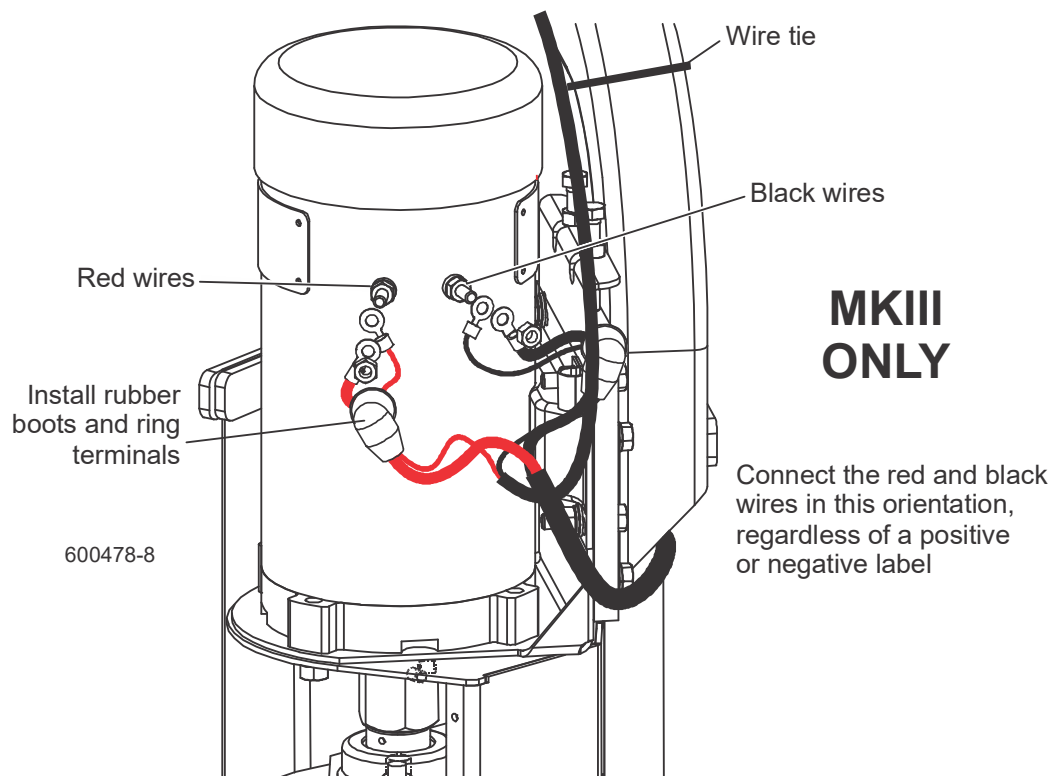


FIG. 2-5 MKIII ONLY

5. Remove the top nuts from each of the motor terminals.
6. Route the black wires from both the motor and warning light harnesses through one of the rubber boots and the red motor and light wires through the other rubber boot.

7. Connect the red motor and light wires to the **left motor terminal** and replace the terminal nut to secure the wires. **Reference figure 2-5.**



IMPORTANT! Make sure that the ring terminals do not touch the motor body.

8. Connect both black wires to the **right motor terminal** and replace the terminal nut to secure the wires. **Reference figure 2-5.**



IMPORTANT! Make sure that the ring terminals do not touch the motor body.

9. Slide the rubber boots over the motor terminal posts to protect the connections.

2.3 Control Component Installation



DANGER! On electric mills, hazardous voltage inside the disconnect box, starter box, and at the electric motor can cause shock, burns, or death. Disconnect and lock out power! Follow all applicable electrical codes.

DANGER! Before performing any service to this equipment, turn the key to the OFF (0) position, remove the key, and disconnect the saw-mill battery ground terminal. Failure to do so will result in serious injury or death.

See SECTION 4 for the appropriate wiring diagram to aid in installation.

1. Remove the side, front and rear panels (leave wire connections) from the control box.
2. Remove the two small bolts and nuts from the back of the control box.
3. Install the provided 15 amp breaker to the two small holes in the back of the control box (position the breaker so the reset tab is near the rear opening of the control box). Use the existing screws and nuts (removed earlier) to secure in place.

See *Figure 2-6*.

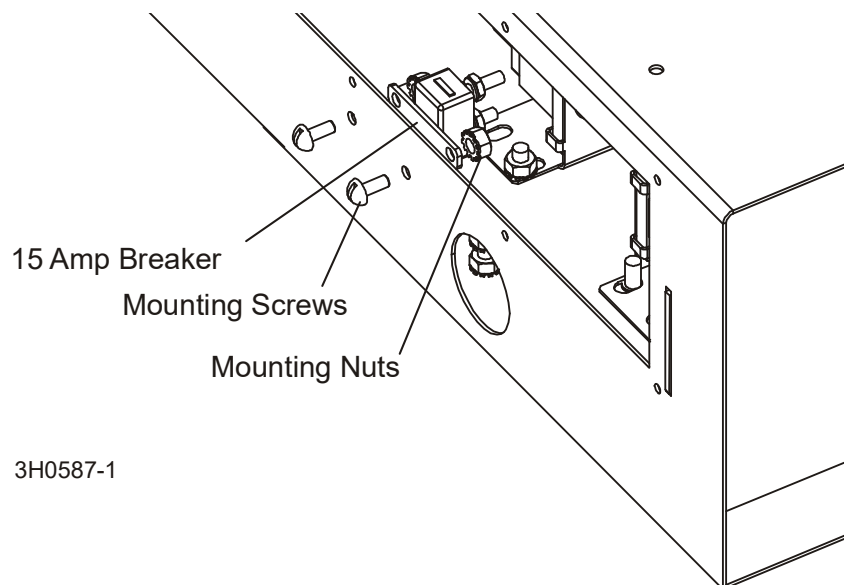


FIG. 2-6

- Using the back side of the front panel for a guideline, cut out holes in the front panel lexan decal for the debarker switches. Install the provided toggle switches, 1/16" nylon washers, and rubber boots in place as shown.

See Figure 2-7.

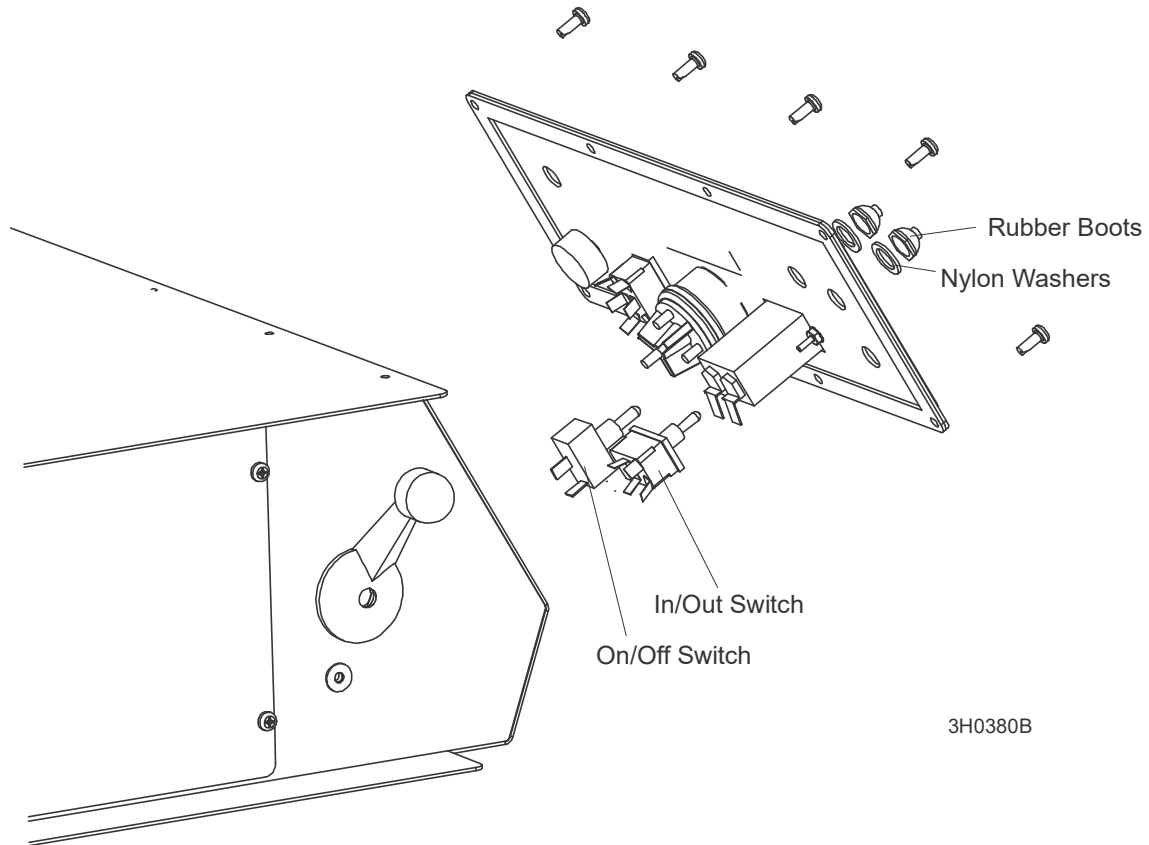


FIG. 2-7

9. Connect the black #207 wire from the debarker in/out switch to the rear ground stud.
10. Locate the bundle of wires on the floor of the sawmill control box. Make sure the debarker in/out switch is oriented horizontally as shown.
11. Connect the small red #21 wire to the debarker in/out switch bottom left terminal.
12. Connect the small black #22 wire to the debarker in/out switch top left terminal.
13. Connect wire #33 (blue on non-remotes, red on remotes) to the bottom debarker on/off switch terminal.

See Figure 2-9. Box housing removed for clarity. Only wires referred to above are shown.

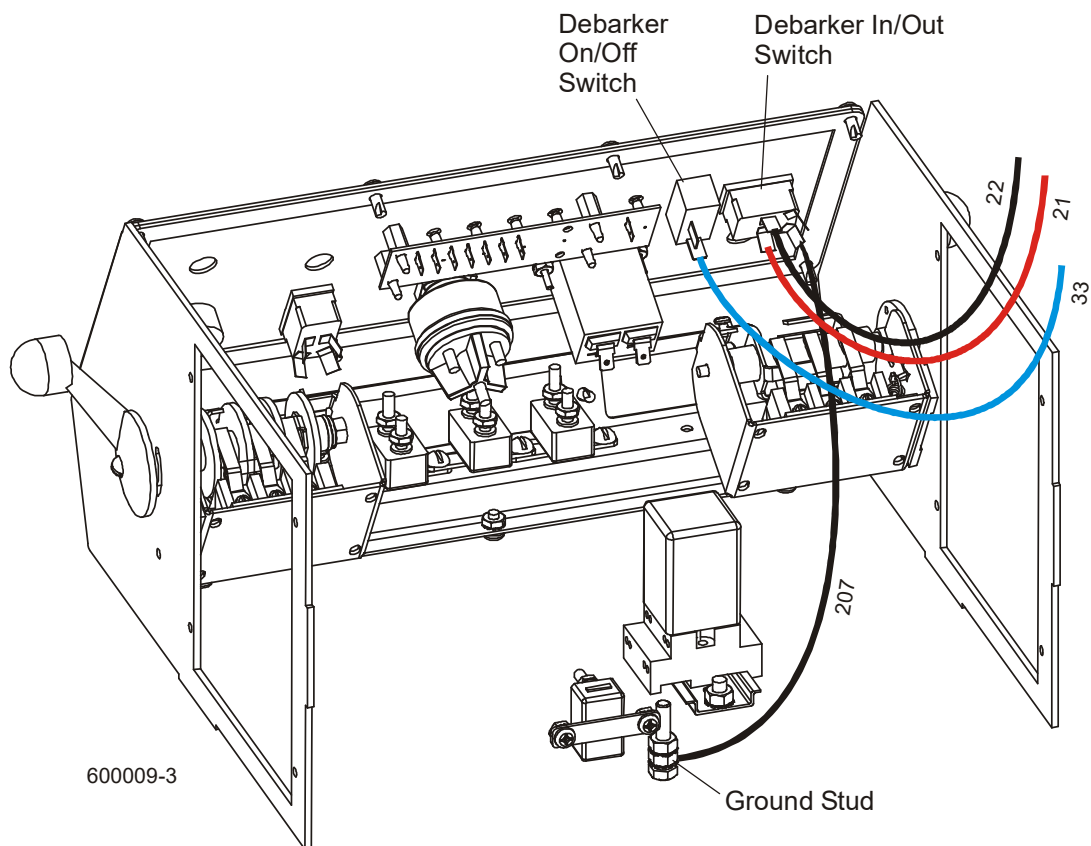


FIG. 2-9

14. Reinstall the front and rear panels, side panel, and control box top cover to the control box.

SECTION 3 ALIGNMENT



DANGER! Before performing any service to this equipment, turn the key to the OFF (0) position and remove the key. Failure to do so will result in serious injury or death.

The debarker blade should be aligned to the sawmill blade to insure proper operation. The debarker blade should be parallel with and aligned vertically with the sawmill blade.

1. Turn the key to ACC (3) and use the debarker in/out switch to move the debarker all the way in. Turn the key to OFF (0) and remove the key. This will prevent the debarker from being turned on while performing alignment procedures.
2. Check the squareness of the debarker with the sawmill blade. Adjust the debarker mounts if necessary until the debarker is square with the sawmill blade.

Loosen the bottom debarker mounting bolt and loosen the jam nuts on the adjustment bolts. Turn the adjustment bolts as necessary until the debarker is square with the sawmill blade. Retighten the jam nuts and bottom debarker mounting bolt.

See Figure 3-1.

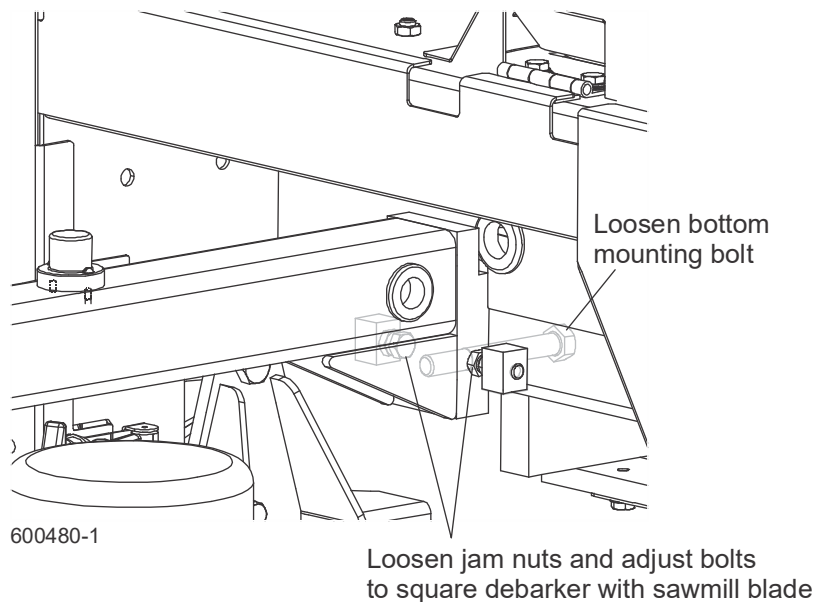


FIG. 3-1

- Clip the blade guide alignment tool to the sawmill blade. Make sure the tool lies flat on the blade and does not contact a tooth that could cause it to angle.

See Figure 3-2.

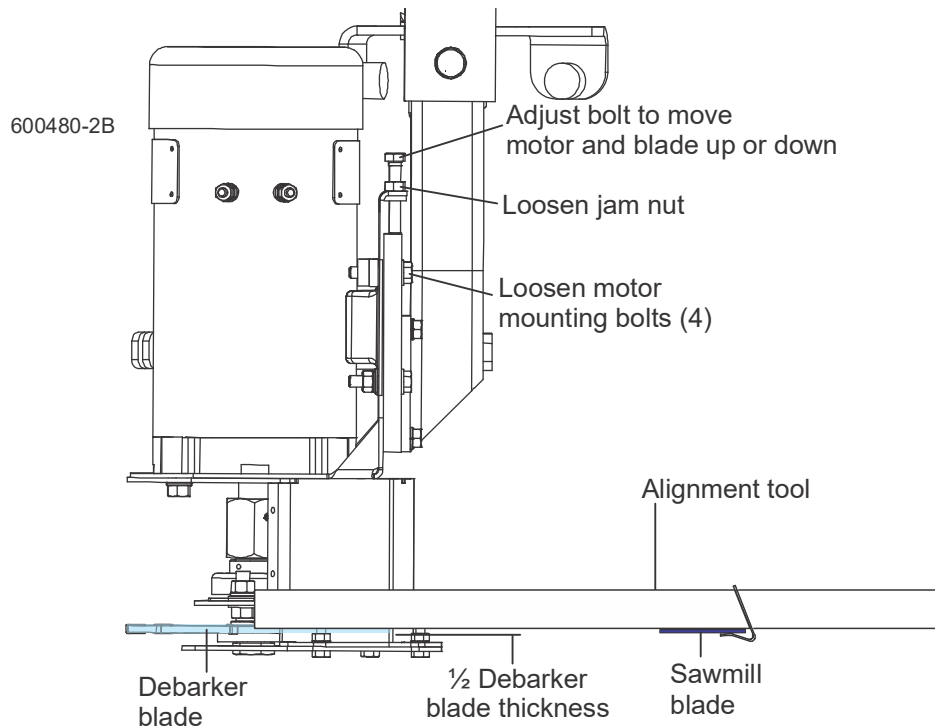


FIG. 3-2

- Check the height of the debarker blade against the alignment tool. The bottom edge of the tool should align with the center of the debarker blade.

To adjust the blade up or down, loosen the four blade motor mount bolts. Loosen the jam nut on the adjustment bolt. Turn the adjustment bolt clockwise to push the motor and blade down. Turn the adjustment bolt counterclockwise and slide the motor up to raise the motor and blade. Retighten the adjustment bolt jam nut and four motor mount bolts.

- Insert the key and use the debarker in/out switch to move the debarker all the way out. Turn the key to OFF (0) and remove the key.
- Move the blade guide alignment tool on the sawmill blade and check the position of the debarker blade against the tool. If the debarker blade is not centered with the tool, readjust the debarker mounting bolts to adjust the debarker assembly parallel to the blade.

SECTION 4 OPERATION AND MAINTENANCE

4.1 Travel Lock Pin (Rev. A.04+)

See *Figure 4-1*. The debarker is equipped with a travel lock pin. Insert the lock pin to lock the debarker in place when towing the sawmill. Remove the lock pin to unlock the debarker while the debarking is required during sawing.

Before operating the debarker, make sure the lock pin is secured in its travel position. Turn the key switch to OFF (0) and remove the key. Pull the debarker out to relieve pressure on the lock pin. Remove the lock pin.

Before towing the sawmill, lock the debarker in the travel position. Turn the key switch to ACC (3) and use the debarker in/out switch to move the debarker all the way in. Turn the key to OFF (0) and remove the key. Push the debarker in until the travel position holes align. Insert the lock pin.

To move the debarker out of the way during sawing, turn the key switch to ACC (3) and use the debarker in/out switch to move the debarker all the way out.

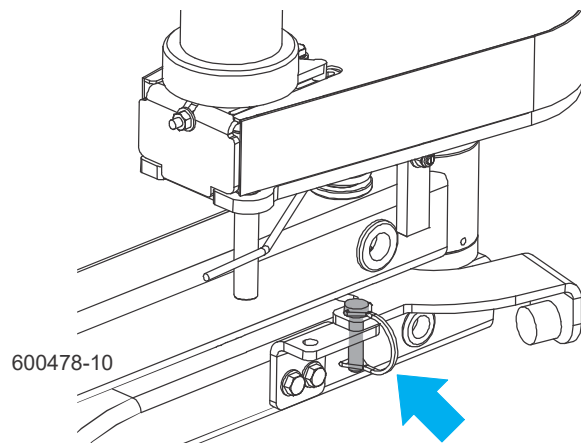


FIG. 4-1

4.2 Travel Lock Pin Operation (Prior to Rev. A.04)

See Figure 4-2. The debarker is equipped with a locking pin located where the debarker frame pivots in the mounting blocks. One hole location is provided for the locking pin. Turn the locking pin to the left to lock the debarker in place when towing the sawmill. Turn the locking pin to the right to unlock the debarker while the debarking is required during sawing.

Before operating the debarker, make sure the locking pin is secured in its travel position. Turn the key switch to OFF (0) and remove the key. Pull the debarker out to relieve pressure on the locking pin. Pull the pin up and rotate so the small roll pin is aligned with the disengaged position. Release the locking pin.

Before towing the sawmill, lock the debarker in the travel position. Turn the key switch to ACC (3) and use the debarker in/out switch to move the debarker all the way in. Turn the key to OFF (0) and remove the key. Push the debarker in until the travel position hole aligns with the locking pin. Pull the pin up and rotate until the small roll pin is aligned with the travel position slot. Release the locking pin.

To move the debarker out of the way during sawing, turn the key switch to ACC (3) and use the debarker in/out switch to move the debarker all the way out.

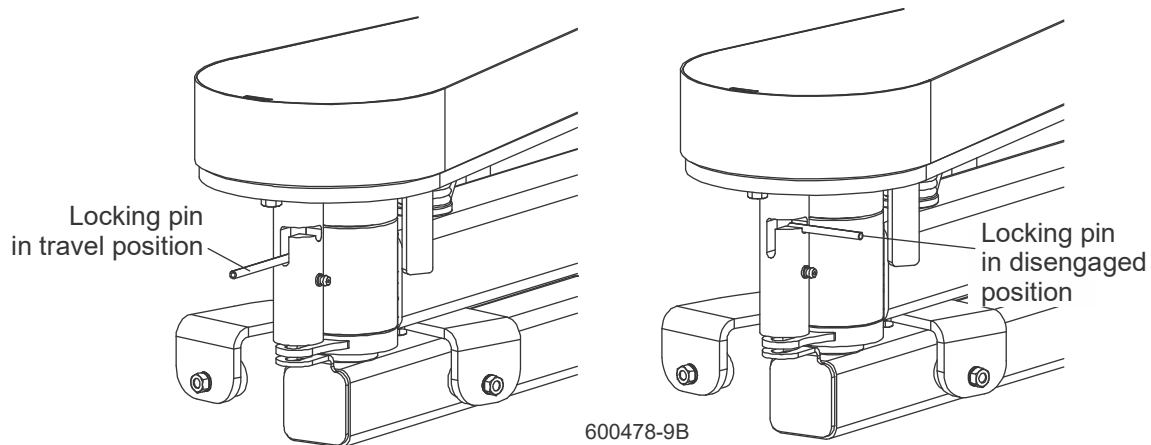


FIG. 4-2

4.3 Control Overview

The Debarker Option allows you to remove bark from logs ahead of the bandsaw blade. This prevents the bandsaw blade from contacting dirt, sand, or other debris in the bark that can dull the blade.

See Figure 4-3. The debarker control includes two toggle switches, an indicator light, and circuit breakers with manual reset.

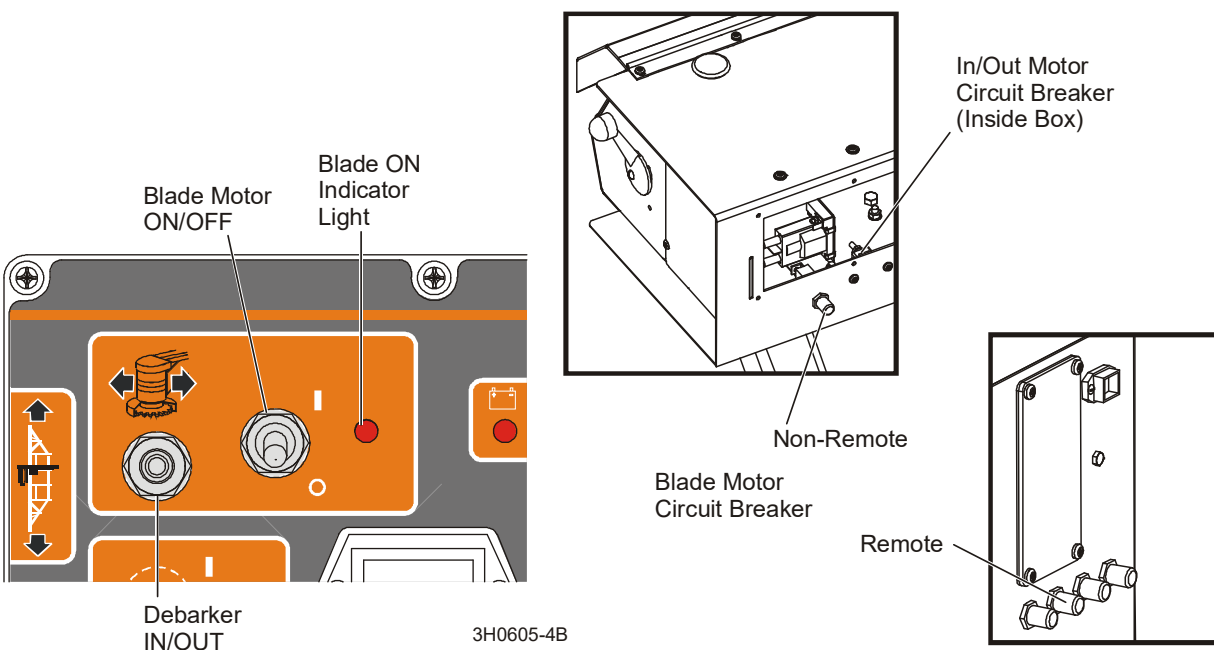


FIG. 4-3

- The Debarker IN/OUT toggle switch controls the debarker in/out motor to move the debarker cutting head toward or away from the log. The sawmill key switch must be on before the in/out function can be performed. **NOTE:** The distance between the debarker blade and the side support with the cutting head all the way in is 6" (150mm) for the sawmill equipped with the standard head and 12" (300mm) for the sawmill equipped with the wide head.
- The Blade Motor ON/OFF toggle switch turns the blade motor on to start the debarker blade. The sawmill key switch must be on and the sawmill power feed drum switch must be activated in the forward direction before the blade motor can be turned on.
- The Blade ON indicator light comes on whenever the debarker blade motor is on.

- **Non-Remote Sawmills:** The blade motor circuit breaker can be reset by pushing the boot-covered tab on the back of the control box.
- **Remote Sawmills:** The blade motor circuit breaker can be reset by pushing the boot-covered tab on the side of the remote power box.

4.4 Operation



DANGER! Make sure all guards and covers are in place and secured before operating the debarker option. Failure to do so may result in serious injury.

DANGER! Keep all persons out of the path of moving equipment when operating the debarker. Failure to do so will result in serious injury.

1. Remove the blade motor cover before operating the debarker.
2. Make sure the warning light is on when the debarker is turned on.



WARNING! Debarker is ON when warning light is on. DO NOT disconnect the warning light. Doing so may result in serious injury.

3. Use the in/out switch on the control box to pivot the debarker all the way out.



4. Move the sawmill carriage forward and pivot the debarker in until the front fence engages with the end/side of the log.
5. Turn the debarker on/off switch to ON (1).



6. Proceed with cutting. The actuator will keep the debarker against the side of the log. Depending on log shape, you may have to pivot the debarker in and out for smooth cutting.



NOTE: The debarker can continuously remove up to approximately 1” of material from the log; no motor cool down time is required. Slower feed rates may be required for optimal debarker operation.

7. Once the carriage is past the end of the log, pivot the debarker away from the log. Return the carriage.



IMPORTANT! Should the carriage be returned before the debarker has been pivoted out of the way of the log, the debarker is designed to pivot upwards. If this happens, continue to **SLOWLY** return the carriage; or stop, pivot the debarker out and then return the carriage. **DO NOT** move the carriage forward while the debarker is contacting the log without the blade spinning.

8. When done sawing and ready to store or transport the sawmill, replace the debarker blade motor cover. Place the debarker in its travel position before towing the sawmill ([See Section 4.1](#)).

4.5 Maintenance



DANGER! Before performing any service to this equipment, turn the key to the OFF (0) position and remove the key. Failure to do so will result in serious injury or death.

1. Lubricate the pivot joint with a NLGI #2 grade lithium grease every 40 hours of operation.

See *Figure 4-4*.

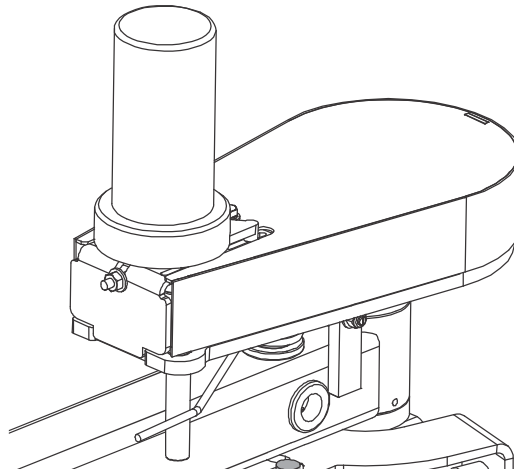


FIG. 4-4

2. Periodically check the flexible guard. Adjust the guard up or down so the bottom is even with the bottom of the debarker blade. Replace the guard as needed.
3. Periodically check the debarker blade. Align or replace as needed.



WARNING! Before replacing the debarker blade, move the sawmill blade guide arm in front of the sawmill blade to cover the blade teeth. Failure to do so may result in serious injury or death.

To replace the debarker blade, remove the lower blade guard plate. Place one wrench on the blade arbor, above the blade bearing. Place the other wrench on the lower bolt and rotate clockwise (bolt has left-hand threads). Remove the bolt and washer. Remove the blade and spacer.

Reinstall the spacer with the new blade. Reinstall the bolt and washer and turn counter-clockwise to tighten to 35 foot-pounds (± 5). Reinstall the blade guard plate.



CAUTION! Tighten the blade bolt manually. Using power-assisted tools may result in over-torquing and damage to the bolt.

4.6 Troubleshooting



DANGER! Before performing any service to this equipment, turn the key to the OFF (0) position, remove the key, and disconnect the sawmill battery ground terminal. Failure to do so will result in serious injury or death.

PROBLEM	CAUSE	SOLUTION
70 amp circuit breaker tripping	Wood or bark jammed in blade guard	Turn key to OFF position, remove key. Remove wood or bark from blade guard
	Pivot pin is binding.	Inspect for bind by moving debarker head to full in position. Turn key to OFF position, remove key. Pull arm to full out position by hand. If available, use a weight scale to pull arm to full out position. Should not have more than 12 pounds of resistance to pull out. Ensure pivot pin has been greased properly. Check pivot clamps for correct installation. Loosen pivot clamp bolts slightly, check for reduced binding
	Ring terminal of red wire touching debarker motor housing at motor	Move terminal away from motor housing. Reset circuit breaker and retest.
Light comes on, but debarker motor and warning light do not operate	Circuit breaker weak from repeated tripping.	Replace circuit breaker
	Circuit breaker tripped	Reset circuit breaker.
Debarker shuts off, but the circuit breaker is not tripped.	Bad ignition wire connection	Check ignition wire connection outside and inside of debarker control box.
	Intermittent key switch	Replace key switch
	Other loose wiring connection	Check wiring connections inside control box.
Debarker will not shut off.	Solenoid is stuck closed.	Replace solenoid.
IN/OUT Motor does not move IN or OUT	Drive belt too loose	Tighten enough to allow movement. DO NOT OVER-TIGHTEN.
	Switch not working properly	Check wiring to switch for loose connections. If wiring looks OK, replace switch.

SECTION 5 ELECTRICAL INFORMATION

5.1 Electrical Symbol Diagram (Non-Remote)

LT60/70: Fwd/Rev Drum Switch Term. 2 (pre-SoftStart PF before 9/04 and Dual-Axis Accuset 2 1/09+)
 LT60/70: Fwd/Rev Drum Switch Term. 3 (SoftStart PF 9/04 - 12/08)
 All Super: Fwd/Rev Drum Switch Term. 3 (SoftStart PF 9/04 - 7/10)
 All Super: Fwd/Rev Drum Switch Term. 2 (pre-SoftStart PF before 9/04 and Dual-Axis Accuset 2 8/10+)
 Std. LT30/40: Fwd/Rev Drum Switch Term. 2
 LT40HD-H Hydro: Relay L13 Term. 87

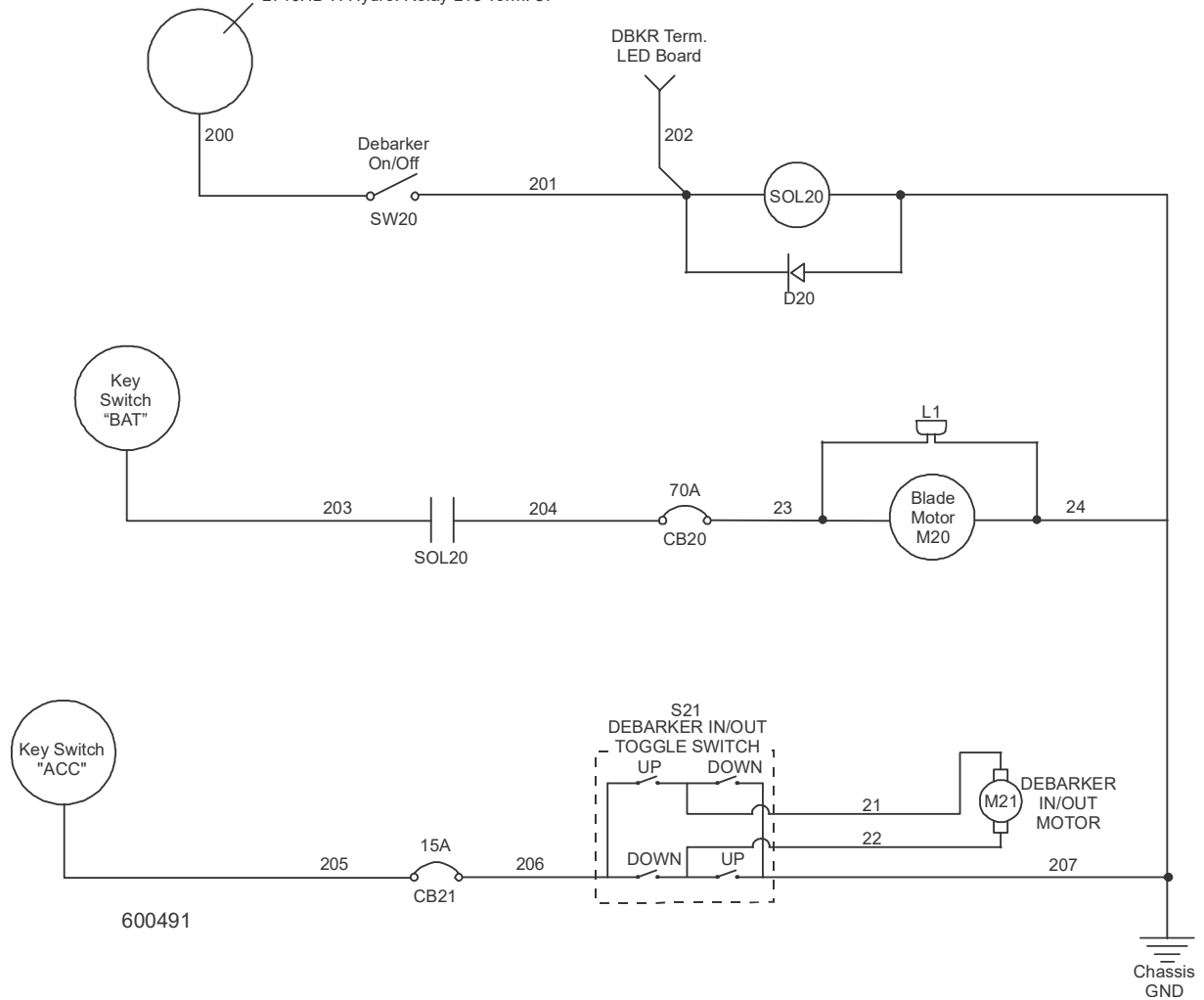


FIG. 5-1 NON-REMOTE SAWMILL

5.2 Electrical Symbol Diagram (Remote)

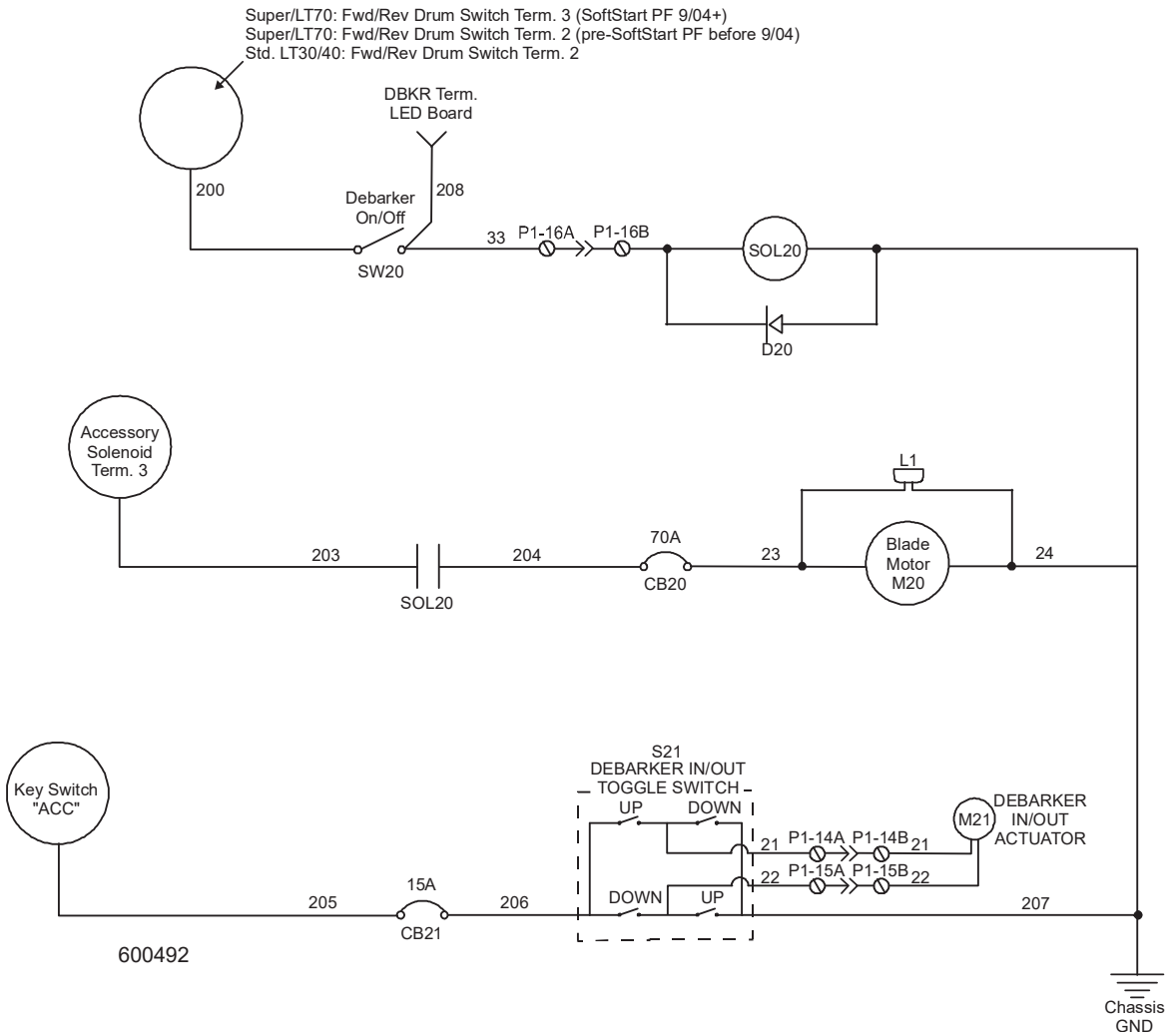


FIG. 5-2 REMOTE SAWMILL

5.3 Electrical Component List

ID	Wood-Mizer Part No.	Description
CB20	015527	Breaker, 70 A Manual Reset Panel Mount Circuit
CB21	E20430	Breaker, 15 Amp
D20	015426	Diode Assembly, Solenoid Coil Chassis
L1	073555	Light Assembly, Debarker ON Warning Strobe
M20	023688	Motor, 12 V DC 3/4HP TEFC W/Base 7/8" Dia. Shaft
M21	074826	Gearmotor Assembly, LT70 Debarker In/Out
SOL20	016372	Solenoid, 12V 100A Cont Duty GND Coil
S20	P03027	Switch, Toggle
S21	024200	Switch, DPDT Toggle

5.4 Electrical Wiring Diagram (non-Remote Sawmills)

LT70HD

Rev. B6.07+

This diagram applies to non-Remote LT60HD/70HD model sawmills built after 1/09 with dual-axis Accuset 2 system.

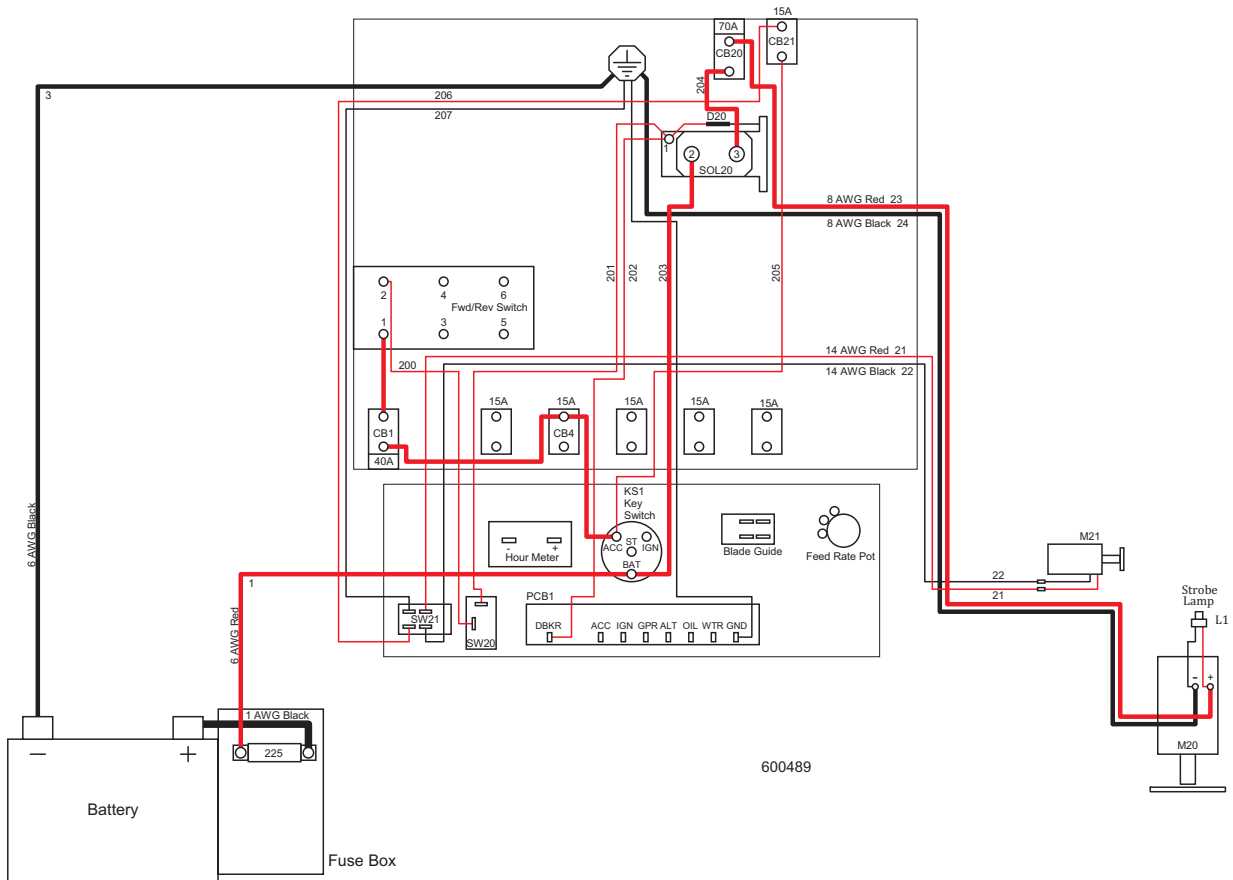


FIG. 5-3

5.5 Electrical Wiring Diagram (Remote Sawmills)

LT70HD Remote

Rev. B6.07+

This diagram applies to Remote LT70HD model sawmills built after 1/09 with dual-axis Accuset 2 system.

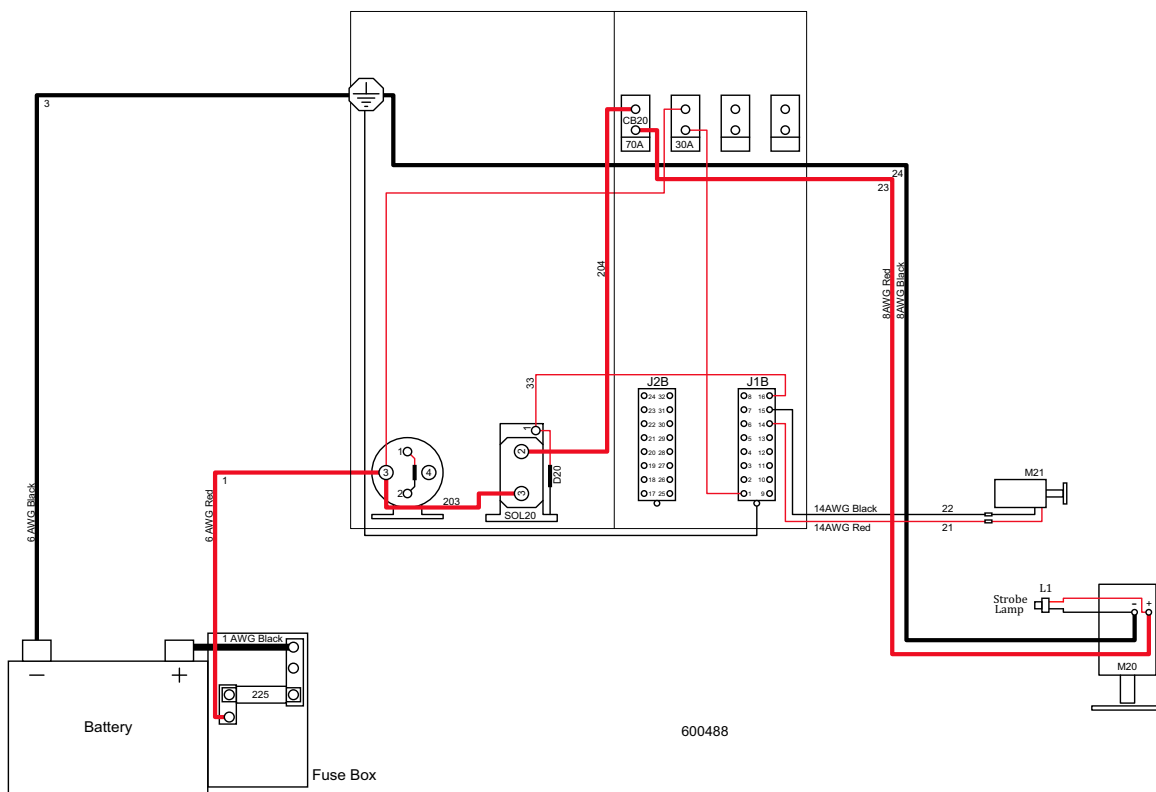


FIG. 5-4 (PAGE 1 OF 2)

5 Electrical Information
Electrical Wiring Diagram (DC Wireless Sawmills)

5.6 Electrical Wiring Diagram (DC Wireless Sawmills)

LT70HD DC Wireless Rev. B6.07+

This diagram applies to Wireless LT70HD DC model sawmills.

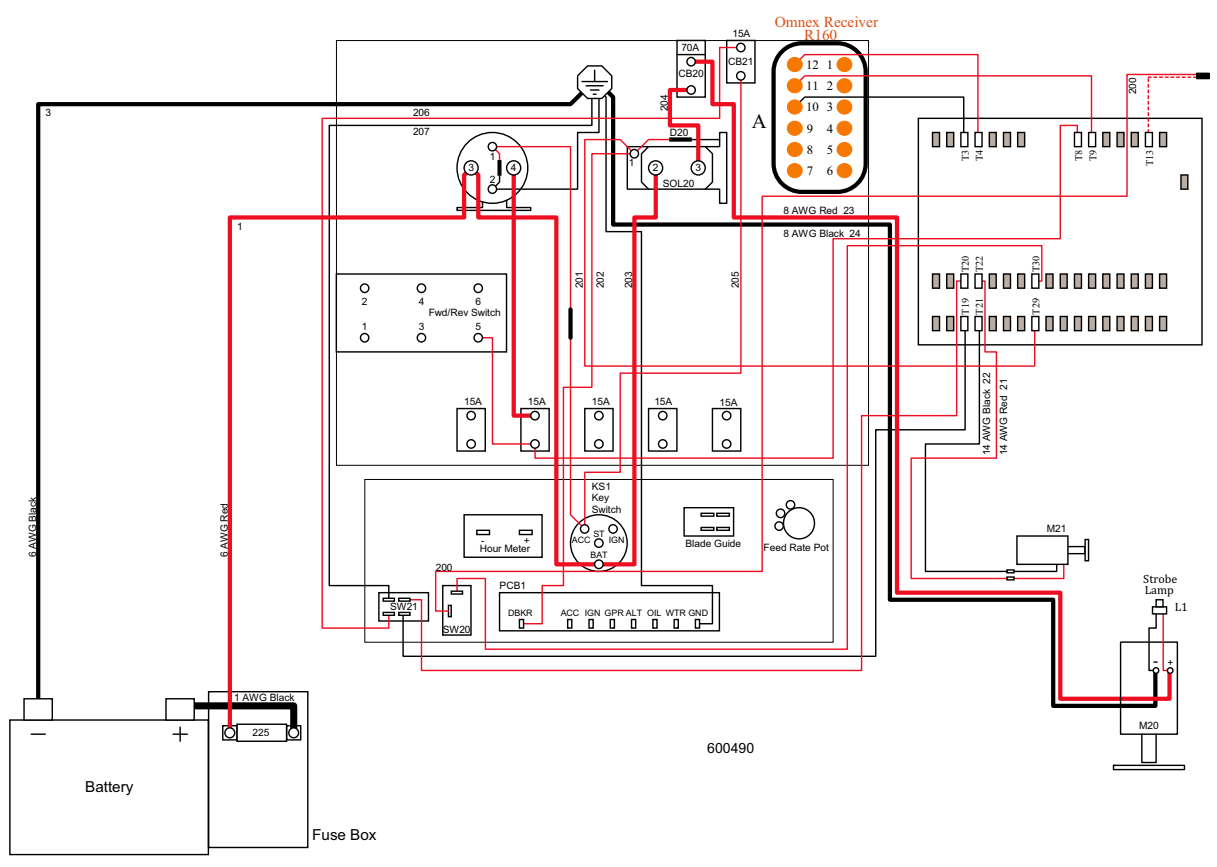
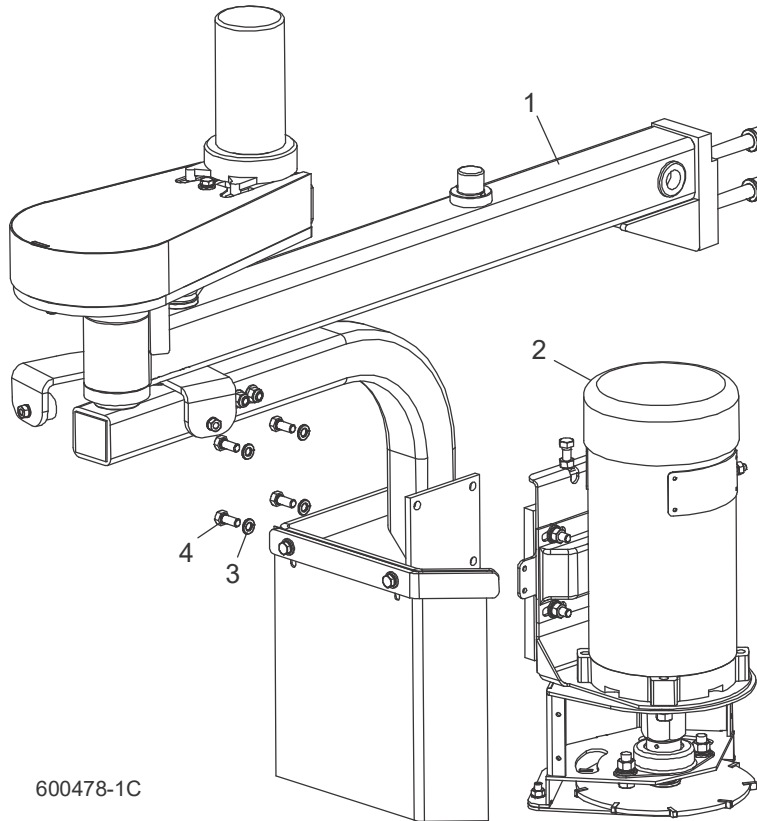


FIG. 5-6

SECTION 6 DEBARKER PARTS

6.1 Mechanical Assembly (DC)



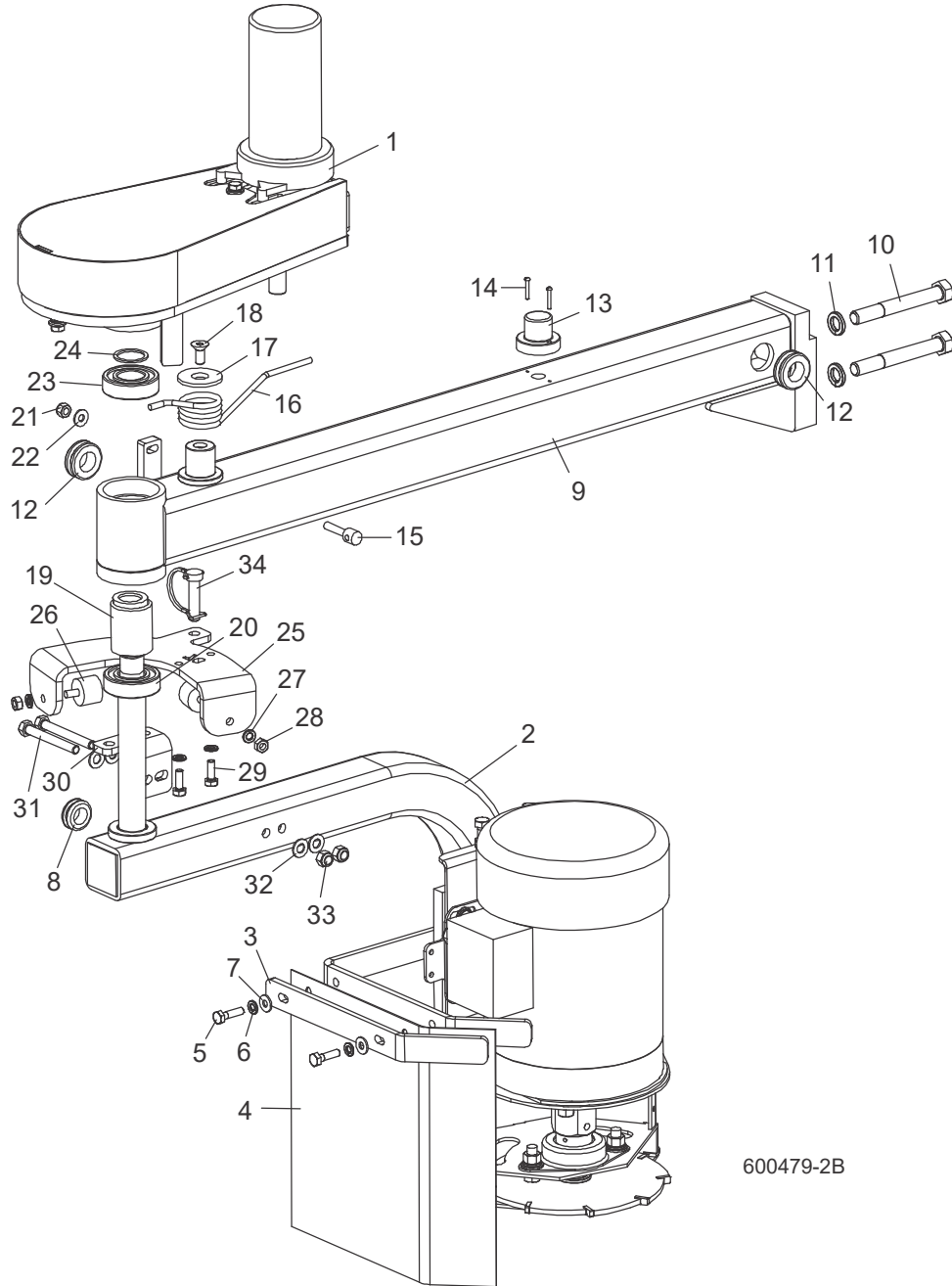
REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.	
	NOTE: For field installation of existing sawmills, order the mechanical assembly below plus the appropriate control kit (See Section 6.6):			
	MECHANICAL ASSEMBLY, LT60HD/70HD DC DEBARKER (BOXED)	074882	1	
	Debarker Assembly, LT70 Mechanical	110687 ¹	1	
	Debarker Assembly, LT70 Mechanical	076678	1	
	Assy, LT70 Wide Mechanical Debarker	110687W	1	
	Debarker Assembly, LT70 Wide Mechanical (Wide Head Only)	076678W	1	
1	Frame Parts (See Section 6.2)			
2	Cutter Head Parts (See Section 6.4)			
3	Washer, 5/16" Split Lock	F05011-13	4	
4	Bolt, 5/16-18 x 3/4" Hex Head	F05006-5	4	
	Plate, LT70 Wide Debarker Pivot Stop	076683	1	
	Cover, 3/4HP Leeson Motor	015761	1	

¹ 110687 replaced 076678 and 110687W replaced 076678W after 5/23/2019 per ECN 35897.

6 Debarker Parts

Frame Assembly (AC)

6.2 Frame Assembly (AC)



600479-2B

REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.
1	DEBARKER IN/OUT MOTOR PARTS (See Section 6.3)		
	PIVOT ARM ASSEMBLY, LT70 AC DEBARKER	110689 1	1
	PIVOT ARM ASSEMBLY, LT70 AC DEBARKER	110640	1

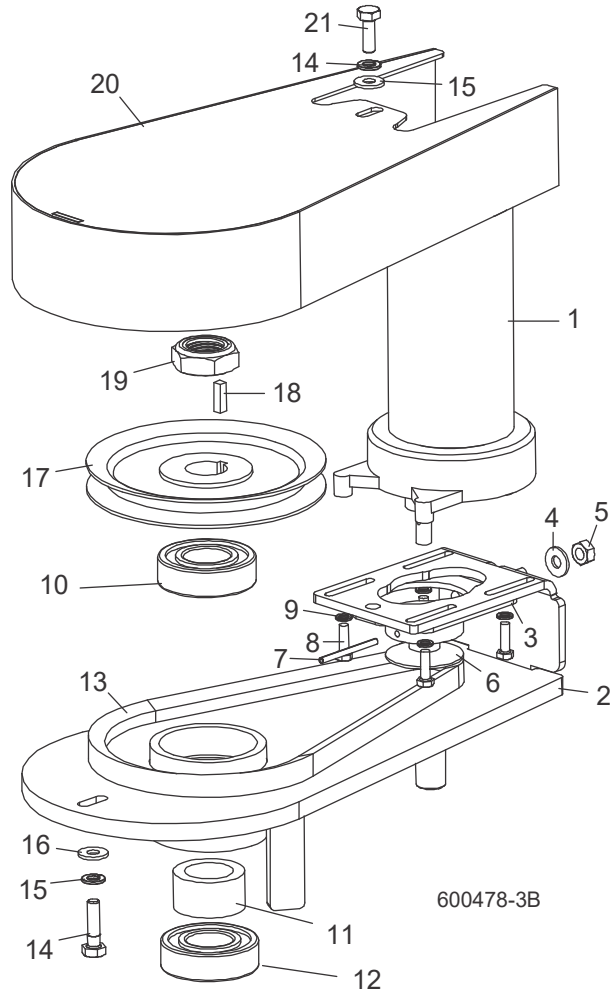
2	Arm Weldment, LT70 Debarker Pivot	110685 ²	1	
	Arm Weldment, LT70 Debarker Pivot	110638	1	
3	Plate, Debarker Flex Guard Retaining	076749	1	
4	Guard, Debarker Flex	021232	1	
5	Bolt, 1/4-20 x 1" Hex Head	F05005-38	2	
6	Washer, 1/4" Split Lock	F05011-14	2	
7	Washer, 1/4" SAE Flat	F05011-11	2	
8	Grommet, 5/8" ID 3/16" GW Rubber	033475	1	
	AC Cutter Head Parts (See Section 6.4)			
	MOUNT ARM ASSEMBLY, LT70 DEBARKER	110684 ³	1	
	MOUNT ARM ASSEMBLY, LT70 DEBARKER	110648	1	
9	Mount Arm Weldment, LT70 Debarker	110613 ⁴	1	
	Mount Arm Weldment, LT70 Debarker	110647	1	
10	Bolt, 1/2-13 x 4" Hex Head Grade 5	F05008-78	2	
11	Washer, 1/2" Split Lock	F05011-9	2	
12	Grommet, Rubber 3/4 ID	025247	2	
13	Lamp Assembly, 180 Degree Amber Strobe	073555	1	
14	Bolt, 4-40 x 3/4 SI	F05004-13	2	
15	Bushing, Debarker Spring Retaining	076139	1	
16	Spring, Debarker Tension	098605	1	
17	Washer, LT35 Torsion Spring	076039	1	
18	Bolt, 5/16-18 x 3/4" FHS	F05006-95	1	
19	Tube, Long Bearing Spacer	110588 ⁵	1	
	Tube, Long Bearing Spacer	076739	1	
20	Bearing, R20-2RS	036007 ⁶	1	
	Bearing, SKF 6205 2RS Roller	087353	1	
21	Nut, 1/4-20 Nylock	F05010-69	1	
22	Washer, 1/4" SAE Flat	F05011-11	1	
23	Bearing, SKF 6205 2RS Roller	087353	1	
24	SHIM, 1 ID 1-1/4" OD	076037	1	
	STOP ASSEMBLY, LT70 DEBARKER PIVOT	074878	1	
	STOP ASSEMBLY, LT70 WIDE DEBARKER PIVOT (WIDE HEAD ONLY)	074879	1	
25	Plate, LT70 Debarker Pivot Stop	076682	1	
	Plate, LT70 Wide Debarker Pivot Stop (Wide Head Only)	076683	1	
26	Bumper, 1 x 3/4" Hard Silicone Rubber	065717	2	
27	Washer, 1/4" Split Lock	F05011-14	2	
28	Nut, 1/4-20 Free	F05010-63	2	
29	Bolt, 1/4-20 x 3/4" Hex Head Grade 5	F05005-123	2	
30	LOCK BRACKET, DEBARKER TRAVEL	110616	1	
31	BOLT, 5/16-18X2 3/4 FT HH GR5	F05006-136	2	
32	WASHER, 5/16 SAE FLAT	F05011-17	4	
33	NUT, 5/16-18 NYLOK HEX	F05010-58	2	

6**Debarker Parts***Frame Assembly (AC)*

34	PIN, 3/8X1 3/8 ROUND WIRE LOCK	046412	1	
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- ¹ 110689 replaced 110640 after 5/23/2019 per ECN 35897.
- ² 110685 replaced 110638 after 5/23/2019 per ECN 35897.
- ³ 110684 replaced 110648 after 5/23/2019 per ECN 35897.
- ⁴ 110613 replaced 110647 after 5/23/2019 per ECN 35897.
- ⁵ 110588 replaced 076739 after 5/23/2019 per ECN 35897.
- ⁶ 036007 replaced (1) 087353 after 5/23/2019 per ECN 35897.

6.3 In/Out Motor Drive Assembly



REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.
	PIVOT ASSEMBLY, LT70 DEBARKER UPPER	110634	1
1	Gearmotor Assembly, LT70 Debarker In/Out	074826	1
	Gear Kit, Motor	061228	1
	Shaft Kit, Motor	061229	1
	Brush Kit, Motor	061230	1
2	Pivot Weldment, LT70 Debarker Upper	110635	1
3	Tensioner Weldment, Gear Motor	023637	1
4	Washer, 1/4" SAE Flat	F05011-11	1
5	Nut, 1/4-20 Swaged	F05010-21	1
6	Sheave, LT70 Debarker Gearmotor	076666	1
7	Pin, 1/8 x 1 5/8 Roll	F05012-102	1
8	Screw, 10-32 x 5/8 HH Machine	F05004-152	4

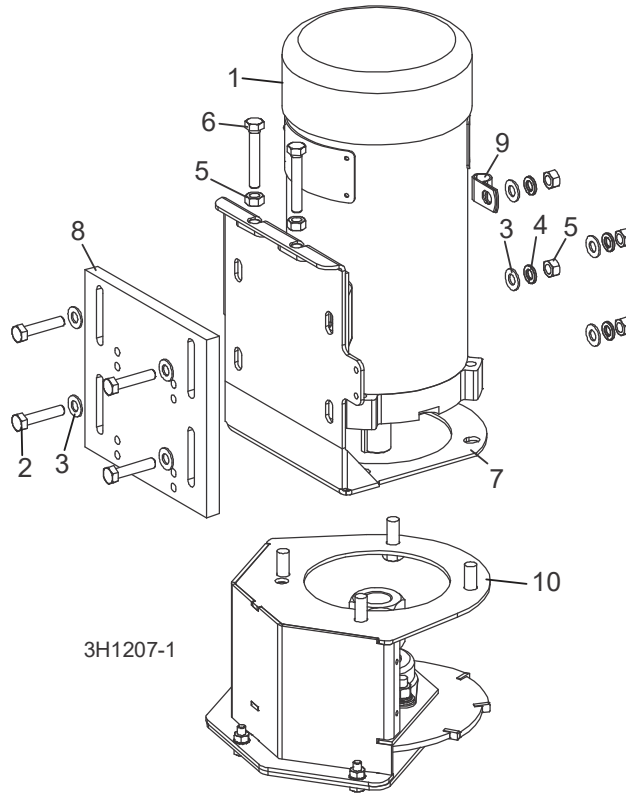
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Debarker Parts*In/Out Motor Drive Assembly*

9	Washer, #10 Split Lock	F05011-20	4	
10	Bearing, SKF 6205 2RS Roller	087353	1	
11	Tube, Short Bearing Spacer	076741	1	
12	Bearing, R20-2RS	036007 ¹	1	
13	BELT, AX22	076689	1	
14	BOLT, 1/4-20 X 1" HEX HEAD GRADE 5	F05005-101	1	
15	WASHER, 1/4" SPLIT LOCK	F05011-14	2	
16	WASHER, 1/4" SAE FLAT	F05011-11	2	
17	PULLEY, 5X7/8 A GROOVE	076798	1	
18	KEY, 3/16" SQ X 5/8"	065214	1	
19	NUT, 7/8-14 HALF NYLOCK	F05010-238	1	
20	GUARD WELDMENT, LT70 DEBARKER BELT	076713	1	
21	BOLT, 1/4-20 X 3/4" FULL THREAD HHC	F05005-1	1	

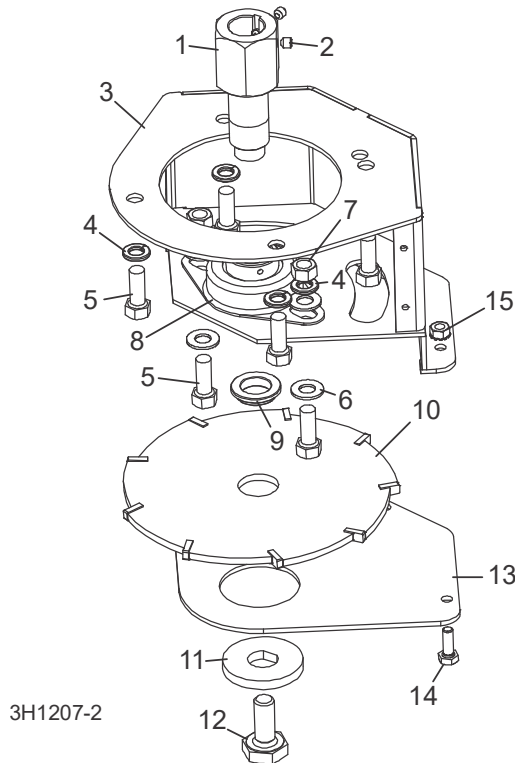
¹ 036007 replaced (1) 087353 after 5/23/2019 per ECN 35897.

6.4 Blade Motor Assembly (DC)



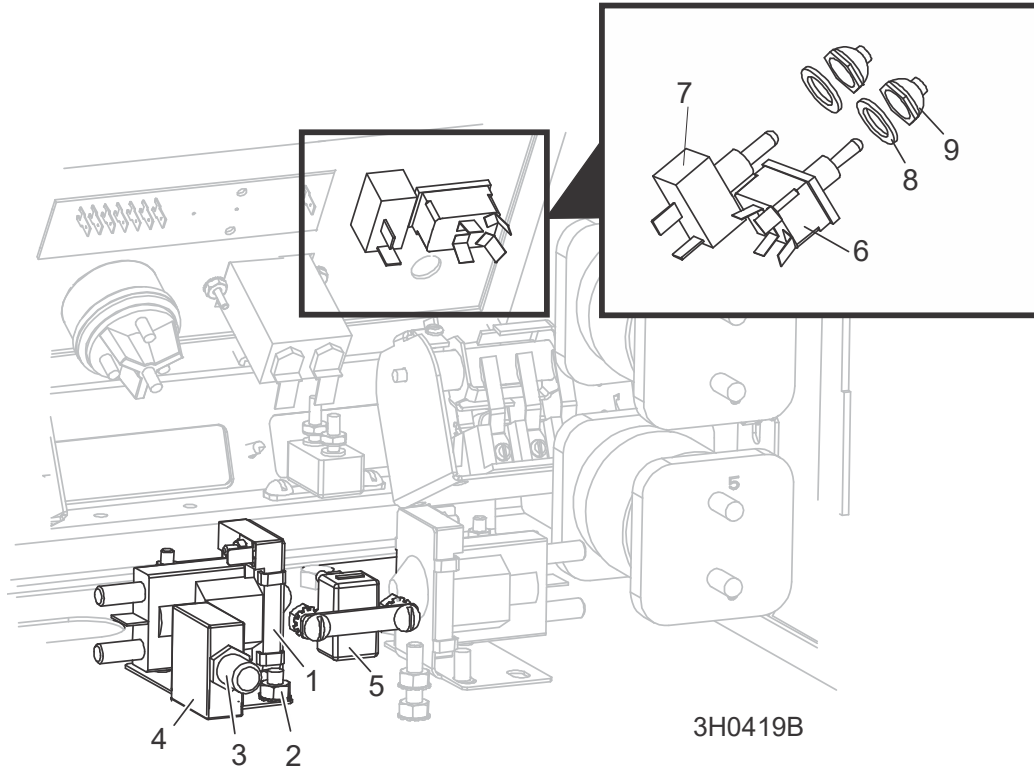
REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.
	HEAD ASSEMBLY, LT70 DEBARKER CUTTING	076677	1
1	Motor, 3/4HP 12VDC TEFC Electric (7/8" Dia. Shaft)	023688	1
	Brush Kit, Leeson 3/4HP Motor (Includes 2 Brushes and 2 Springs)	024167	1
	Fan, 3/4 HP Leeson Motor Replacement	016087	1
	Guard, Motor Fan	047998	1
	Key, 3/16" Square x 1 3/8" Long	016108	1
2	Bolt, 5/16-18 x 1 1/2" Hex Head Full Thread	F05006-2	4
3	Washer, 5/16" SAE Flat	F05011-17	8
4	Washer, 5/16" Split Lock	F05011-13	4
5	Nut, 5/16-18 Hex	F05010-17	6
6	Bolt, 5/16-18 x 2" Hex Head Full Thread	F05006-13	2
7	Bracket Weldment, Debarker Blade Motor Adjustable	023622	1
8	Plate, Debarker Blade Motor Mount	023620	1
9	Clamp, 1/2EMT Coated	P07584	1
	Decal, Disconnect Motor Leads Warning	024431	1
10	Blade/Mandrel Parts (See Section 6.5)		

6.5 Blade Housing Assembly



REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.
1	MANDREL, DEBARKER BLADE	074832	1
2	SCREW, 1/4-28 X 1/4" CUP POINT SOCKET SET	F05005-105	2
3	HEAD WELDMENT, LT70 DEBARKER CUTTER	076686	1
4	WASHER, 3/8" SPLIT LOCK	F05011-4	6
5	BOLT, 3/8-16 X 1" HEX HEAD	F05007-7	6
6	WASHER, 3/8" SAE FLAT	F05011-3	4
7	NUT, 3/8-16 HEX	F05010-1	2
8	BEARING, 1" FLANGED MOUNT	023541	1
9	BUSHING, DEBARKER BLADE SPACER	023632	1
10	BLADE, DEBARKER 7" DIA.	021236	1
	BLADE, DEBARKER 7" DIA. W/1/2" INSERTS (OPTIONAL - SOLD SEPARATELY)	065852	1
11	WASHER, DEBARKER BLADE LOCK	023737	1
12	BOLT, 1/2-20 X 1 1/4" HEX HEAD SPECIAL	074833	1
13	PLATE, DEBARKER BLADE HOUSING BOTTOM	023629	1
14	BOLT, 1/4-20 X 3/4" HEX HEAD FULL THREAD	F05005-1	3
15	NUT, 1/4-20 SELF-LOCKING HEX	F05010-9	3
	DECAL, DEBARKER LIGHT WARNING	076799	1

6.6 Debarker Control Assembly



REF	DESCRIPTION (◆ Indicates Parts Available In Assemblies Only)	PART #	QTY.	
	CONTROL ASSEMBLY, DEBARKER (NON-REMOTE)	023676	1	
	CONTROL ASSEMBLY, DEBARKER (REMOTE)	023677	1	
1	Solenoid Kit, Accessory	016372 ¹	1	
	Solenoid, 100A 12V Cont. Duty GND	P10449	1	◆
	Diode Assembly, Solenoid Coil Chassis GND	015426	1	
2	Nut, 1/4-20 Self Locking	F05010-9	2	
3	Boot, Circuit Breaker	021253	1	
4	Breaker, 70 Amp Manual Reset Panel Mount	015527	1	
5	Breaker, 15 Amp Manual Reset	E20430	1	
6	Switch, DPDT Toggle Return Center Screw Terminal	024200	1	
7	Switch, SPST Toggle Quick Connect	P03027	1	
8	Washer, 1/2 x 3/4 x 1/16" Nylon	P05251-1	2	
9	Boot, Toggle Switch	P02575	2	

¹ Solenoid Kit 016372 replaces Solenoid P10449. Kit includes solenoid and replacement instructions. Diode Wire Assembly 015426 added to Solenoid Kit 016372 (8/04).

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