SAWMILL ACCESSORY

HM126, HM130, and HM130MAX[®] Sawmills



POWER HEAD 80



WE GO BEYOND.

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TOOLS REQUIRED

Collect the necessary tools prior to starting the assembly. Note that not all tools listed below are required to assemble the Power Head. Substitute tools as necessary based on availability.

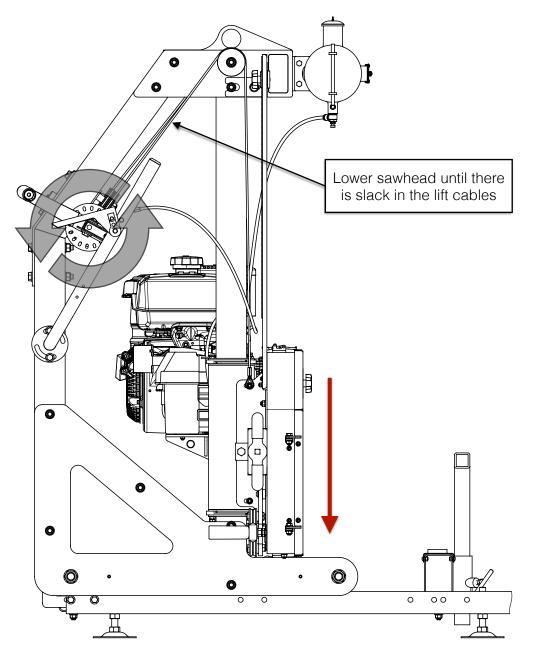
ΤοοΙ	Specification
Hex Key	6 mm
Wrench	17-18 mm (2019 and older sawmills)
Ratchet / Socket	¾ in Drive / 10 mm
Adjustable Wrench	Variable
Screwdriver	Slotted and/or Phillips
Pliers	Slip-Joint or Needle Nose
Pin Punch	5 mm
Hammer	Standard
Angled-Tip Pick or Awl	





DISASSEMBLY LOWER THE SAWHEAD

Begin the disassembly by lowering the sawhead all the way to the bottom. Once the sawhead has reached its lowest point, continue turning the crank handle until there is some slack in the wire rope lift cables—but not so much slack that the cables come off the pulleys.

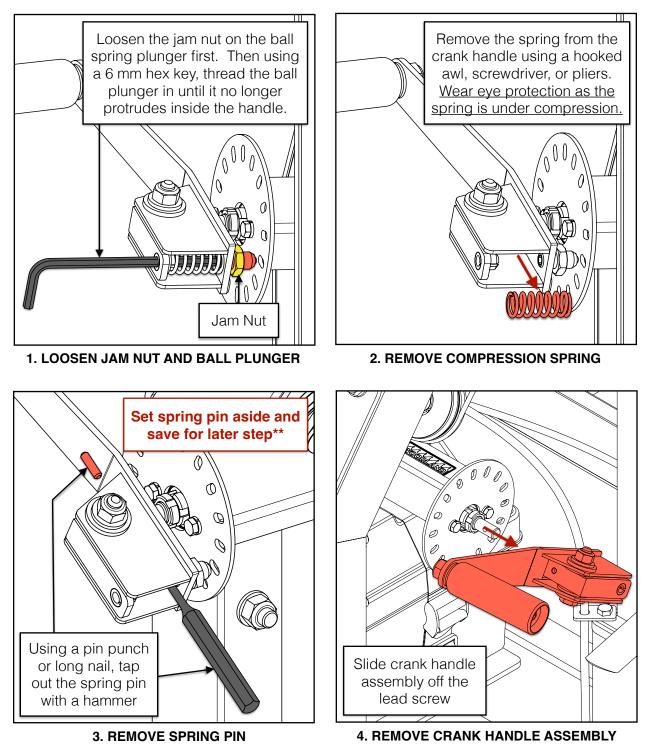


This takes the weight off the lift mechanism lead screw so it can be turned by hand in a later assembly step.



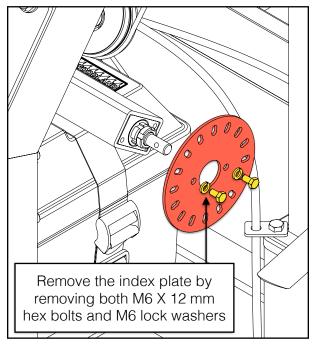
2020 AND NEWER HM126 AND HM130MAX® SAWMILLS

Remove the crank handle from *2020 and newer* HM126 and HM130MAX[®] sawmills following the steps below.

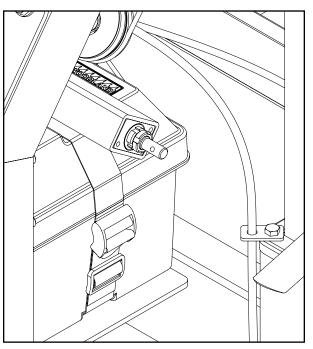


^{**}Note: An extra spring pin is also included with the Power Head





5. REMOVE INDEX PLATE



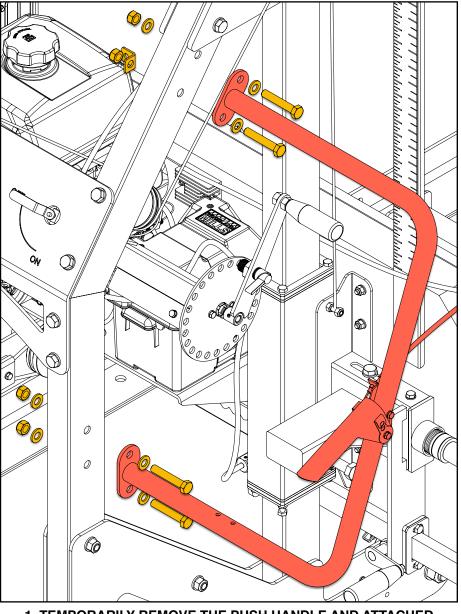
CRANK HANDLE REMOVAL COMPLETE



2019 AND OLDER HM126 AND HM130 SAWMILLS

These steps only apply to 2019 and older HM126 & HM130 sawmills.

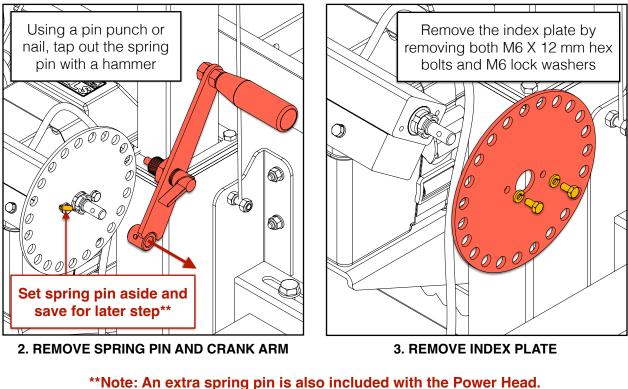
Remove the push handle and crank handle from *2019 and older* HM126 and HM130 sawmills by following the steps below. The final two steps where the lift mechanism cover is removed apply to the *HM130* sawmill only.



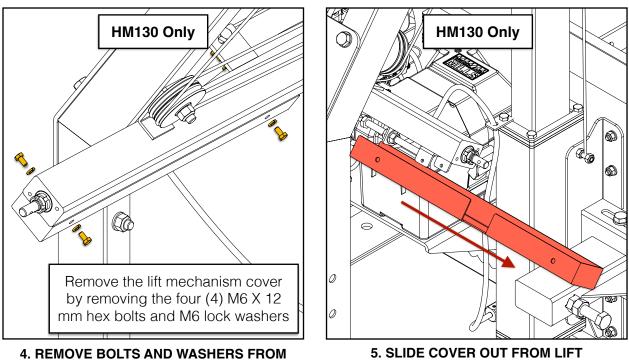
1. TEMPORARILY REMOVE THE PUSH HANDLE AND ATTACHED THROTTLE HANDLE.

Note: It is not necessary to disconnect the throttle cable from the engine. Simply set the push handle with attached throttle handle aside until the Power Head is installed.





The final two steps only apply HM130 sawmills.



LIFT MECHANISM COVER

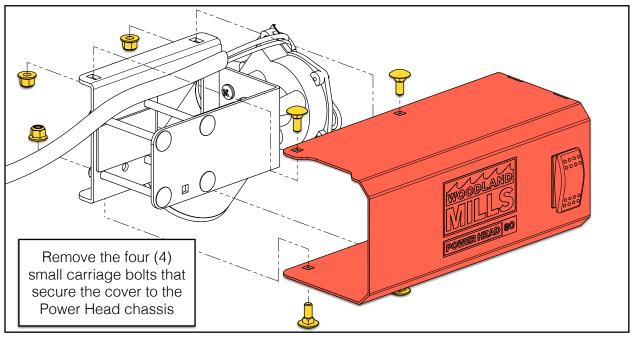
MECHANISM



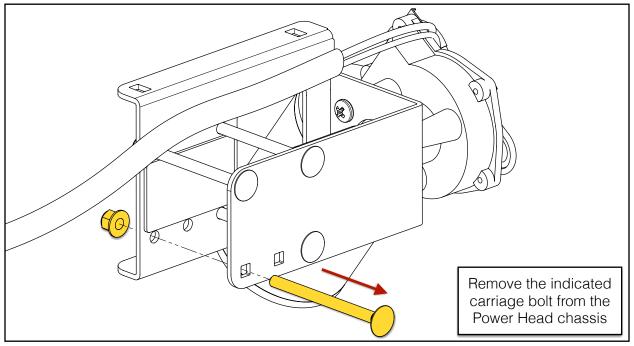
2019 AND OLDER HM130 SAWMILLS

This step only applies to 2019 and older HM130 (non-MAX) sawmills.

Remove the Power Head 80 from its packaging and follow these steps prior to assembling the power head to the sawmill in the next section.

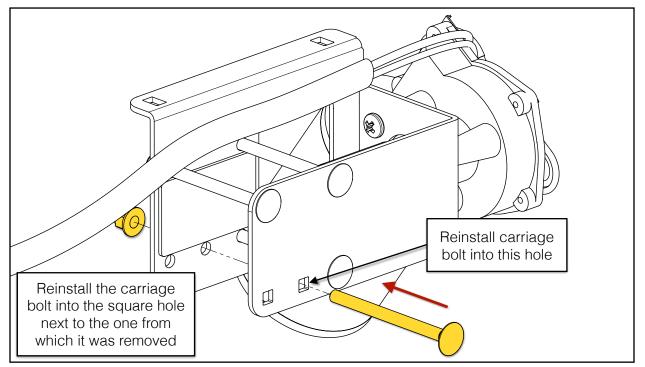


1. REMOVE COVER FROM POWER HEAD CHASSIS

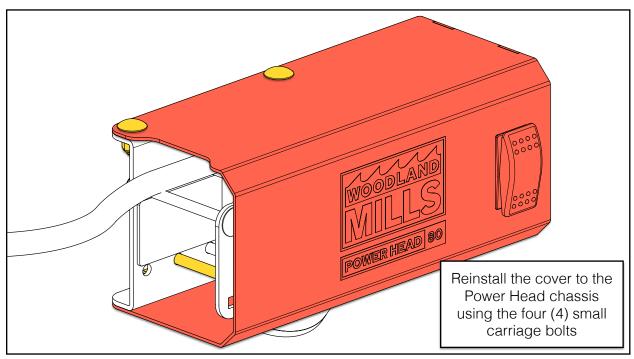


2. REMOVE INDICATED CARRIAGE BOLT FROM CHASSIS





3. REINSTALL CARRIAGE BOLT IN NEW LOCATION

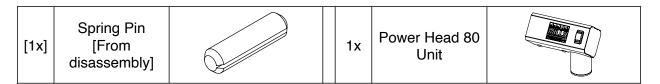


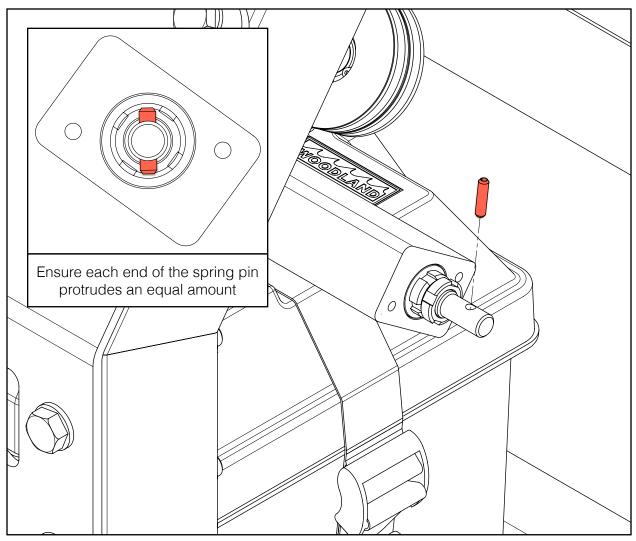
4. REINSTALL COVER ON POWER HEAD CHASSIS



ASSEMBLY 1. POWER HEAD UNIT TO SAWMILL

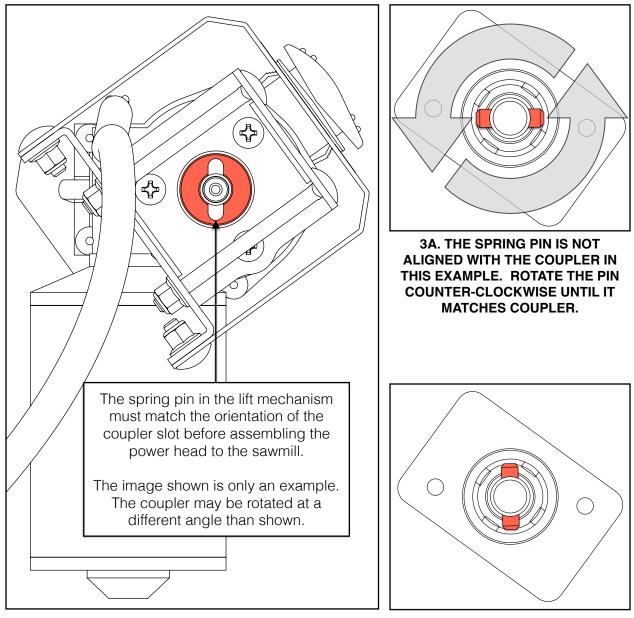
Assemble the power head unit to the sawmill's lift mechanism housing using the components listed below.





1. REINSTALL THE SPRING PIN THAT WAS REMOVED DURING THE DISASSEMBLY BACK INTO THE LEAD SCREW SHAFT. USE A HAMMER TO GENTLY TAP IT THROUGH UNTIL EACH END PROTRUDES AN EQUAL AMOUNT.

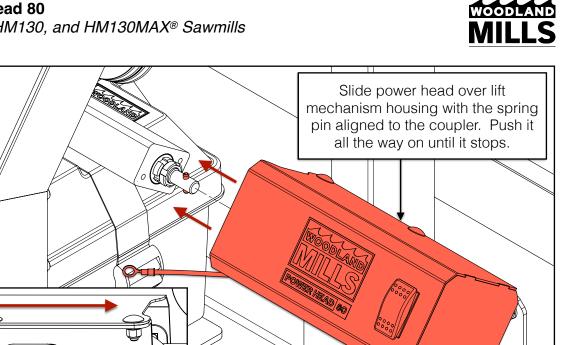




2. NOTE THE ORIENTATION OF THE SLOT IN THE COUPLER ON THE POWER HEAD. THE SPRING PIN ON THE SAWMILL LIFT MECHANISM SHAFT NEEDS TO BE ALIGNED TO MATCH THE COUPLER SLOT BEFORE THE POWER HEAD CAN SLIDE ONTO THE SAWMILL. 3B. THE SPRING PIN IS NOW ALIGNED WITH THE COUPLER AND THE ASSEMBLY PROCESS CAN RESUME. 6

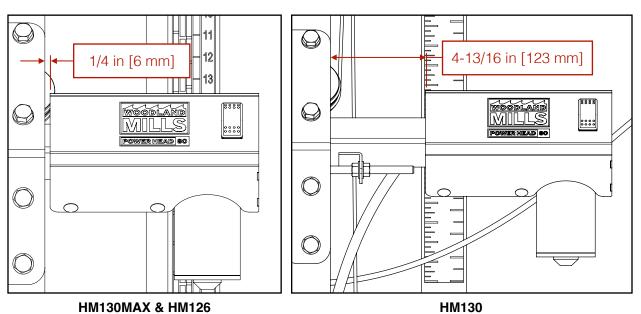
6

6



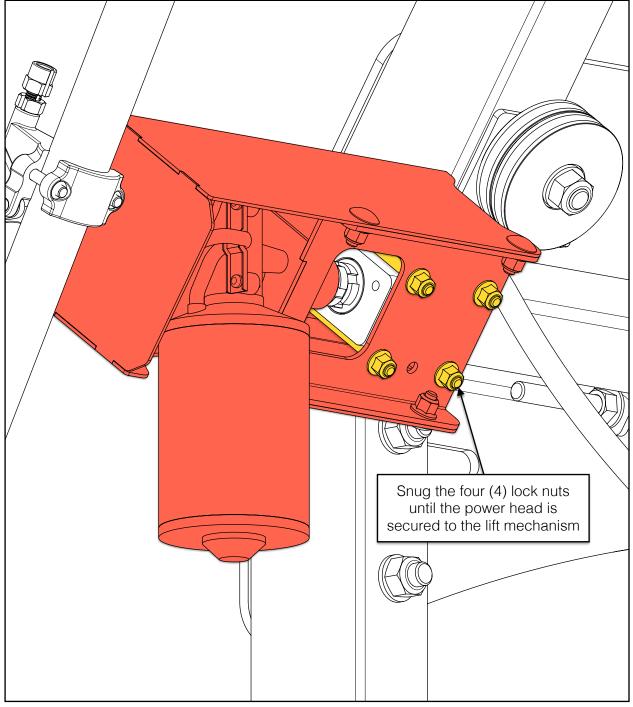
Look thru the sight window on the back side to verify the pin is aligned as the power head slides on

4. SLIDE THE POWER HEAD OVER THE LIFT MECHANISM, ENSURING THE SPRING PIN ALIGNS WITH THE COUPLER. PUSH IT ALL THE WAY ON UNTIL IT STOPS. TO ENSURE THE COUPLER IS FULLY ENGAGED, MEASURE THE DISTANCE FROM THE POWER HEAD TO THE CARRIAGE POST AND VERIFY IT CONFORMS TO THE GRAPHICS BELOW.



6





5. SNUG THE FOUR (4) LOCK NUTS ON THE BACK SIDE OF THE POWER HEAD UNTIL IT IS SECURE AND WILL NOT SEPARATE FROM THE LIFT MECHANISM.

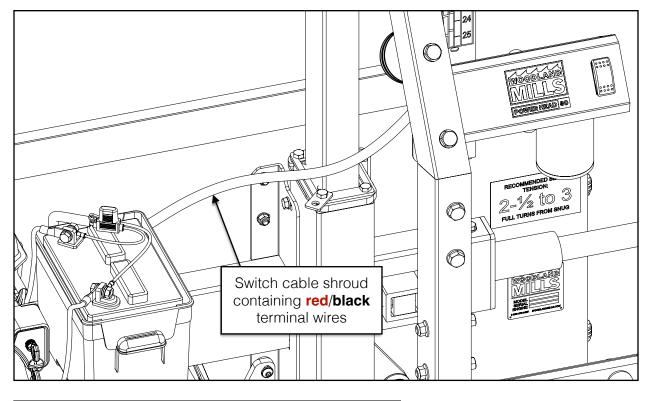
NOTE: DO NOT OVER-TIGHTEN THE LOCK NUTS OR THE POWER HEAD CHASSIS PLATES COULD BEND AND DEFORM.

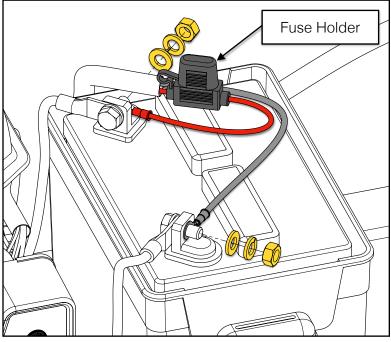
HM126, HM130, and HM130MAX® Sawmills



2. BATTERY CONNECTION

Make the electrical connection from the power head to the battery as outlined below.

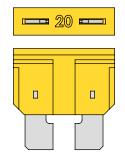




Connect the red & black wires to the appropriate battery terminals and secure with hardware.

BLACK = NEGATIVE (-) RED = POSITIVE (+)

The fuse holder contains a 20 A automotive blade fuse should it require replacement.

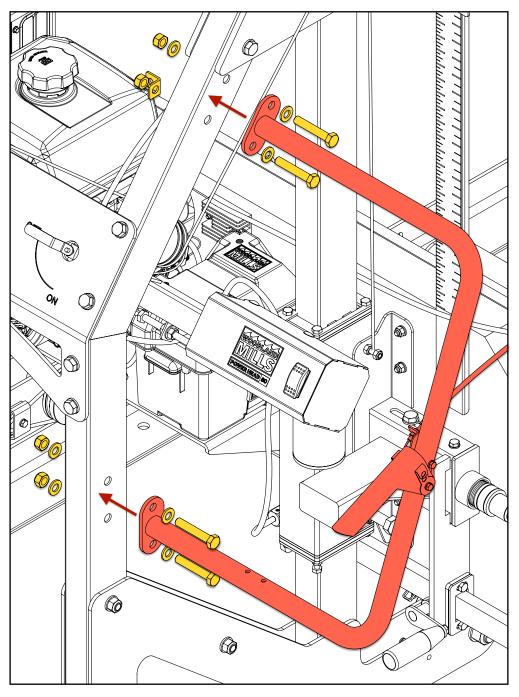




3. PUSH HANDLE

This step only applies to 2019 and older HM126 & HM130 sawmills.

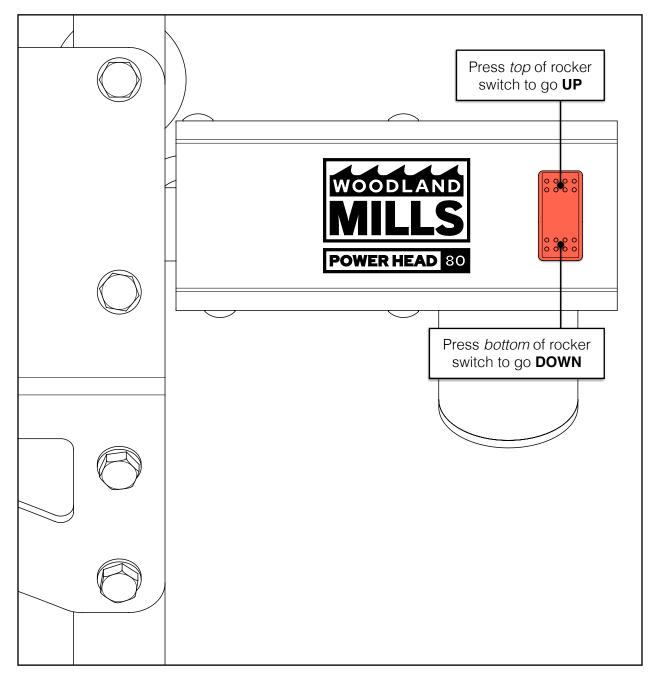
With the Power Head 80 unit fully assembled to the sawmill, re-install the push handle with the attached throttle handle to the carriage using the four (4) M12 X 70 mm hex bolts, M12 flat washers, and M12 lock nuts.





OPERATION

To move the sawhead up and down, simply press (and hold) the *top* of the rocker switch to go **UP** or press (and hold) the *bottom* of the rocker switch to go **DOWN**.

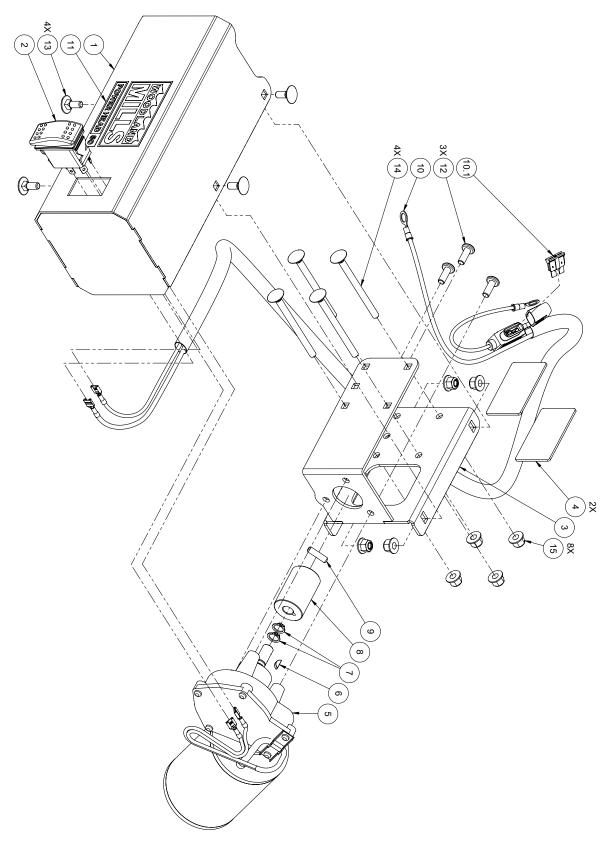


Note: If the power head is installed on a sawmill without the electric start engine option, the battery will need to be charged periodically.

0009202-M-EN: Rev B



EXPLODED VIEW





PARTS LIST

Item	Qty	Part No.	Description		
1	1	0009418	MOTOR COVER		
2	1	0009837	ROCKER SWITCH, DPDT MOMENTARY, WATERPROOF, 20 A 12 V DC		
3	1	0009207	MOTOR SUPPORT		
4	2	0009231	MOTOR SUPPORT RUBBER PAD		
5	1	0009563	MOTOR, 12 V DC, 80 RPM, 200 W		
6	1	0011994	WOODRUFF KEY, 3 X 9.7 mm, 10 mm DIA		
7	2	0004794	RETAINING RING, EXTERNAL, 10 mm SHAFT (9.6 mm GROOVE)		
8	1	0009203	MOTOR COUPLER, 10 mm TO 12 mm SFT		
9	1	0004777	SPRING PIN, SLOTTED, 5 mm DIA, 20 mm LG		
10	1	0009566	BATTERY CABLES		
10.1	1	0012017	FUSE, BLADE, AUTOMOTIVE, 20 A, 32 V, STD STYLE		
11	1	0011976	LABEL, POWER HEAD 80 W/ WOODLAND MILLS LOGO		
12	3	PPH-MBE071FCE	SCREW, PPH, CLS 4.8, M6 X 1, 16 mm LG, FULL		
13	4	SNC-MBE071FCJ	CARRIAGE BOLT, SQ NECK, CLS 8.8, M6 X 1, 16 mm LG, FULL		
14	4	SNC-MBE135PCJ	CARRIAGE BOLT, SQ NECK, CLS 8.8, M6 X 1, 80 mm LG, 18 mm LG THD		
15	8	FLN-MBECH	LOCK NUT, FLANGED, CLS 8, M6 X 1		



NOTES



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