

MM-2 CUTTER

MARSH MASTER®

OPERATING & MAINTENANCE MANUAL



COAST MACHINERY, LLC
10012 UMBEHAGEN LANE
BATON ROUGE, LA 70817
225.753.1323

<http://www.marshmaster.com>

Rev. 4/6/2023

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FORWARD

The MM-2 Cutter was designed with safety as a priority. The cutter is a hydraulically driven, rotary style cutter that utilizes two cutting sections mounted on an aluminum deck. This manual outlines the safety features and warns of hazards and unsafe practices.

The MM-2 Cutter was designed for cutting power and pipeline right of ways, fire breaks, and vegetation control in wetland areas. When used properly, the cutter can be an effective tool in keeping various landscapes groomed and well maintained safely, and cost effectively.

To keep the MM-2 Cutter operating efficiently, familiarize yourself with the contents of this manual and the Marsh Master® manual that applies to your machine. Doing so will provide the operator with instructions for the safe operation, use, and servicing of the equipment.

Thank you for the confidence you have placed in the MM-2 Cutter. Care for it properly, and it will give you many years of dependable service.

MANUFACTURER'S LIMITED WARRANTY

MACHINE WARRANTY

Coast Machinery, LLC warrants to the original purchaser, for a period of one (1) full year from date of delivery, that goods manufactured by Coast Machinery, LLC will be free from defects of workmanship and materials, provided such goods are operated and maintained in accordance with Coast Machinery, LLC's written manuals or other instructions. No warranty is made with respect to items supplied by Coast Machinery, LLC on special order of purchaser. Coast Machinery, LLC's sole obligation is to repair or replace, at Coast Machinery, LLC's option, parts that do not conform to this warranty.

LABOR WARRANTY

For one (1) full year from date of delivery, Coast Machinery, LLC, at its option, will repair, pay for outside service, or pay the customer straight time for the particular warranted repairs.

REPLACEMENT PARTS WARRANTY

Repair parts supplied by Coast Machinery, LLC are warranted for a period of ninety (90) days from installation. Coast Machinery, LLC's sole obligation is limited to the replacement of the warranted part with no obligation to provide labor in installing such part. No warranty is given for electrical parts.

ALL ABOVE WARRANTIES DO NOT COVER THE FOLLOWING:

- Maintenance items, adjustments, or required maintenance as per written manuals or other instruction.
- Transportation cost of machine for necessary repairs.
- Repairs required as a result of failure due to normal wear, accidents, misuse, abuse, negligence, or improperly installed repair parts.
- Products altered or modified in a manner not authorized by Coast Machinery, LLC in writing.
- Provision of substitute equipment or service during periods of malfunctions or non-use.
- Electrical parts.

This warranty is expressly in lieu of all other stated or implied warranties and of all other obligations and liabilities on the part of Coast Machinery, LLC, including liabilities for direct, indirect, immediate, special, or consequential damages arising out of the failure of any machine or part of it to operate properly; including the cost of expense of providing substitute equipment or service during periods of malfunctions or non-use.

NOTE: This warranty cannot be expanded, changed, or modified by any representative of Coast Machinery, LLC without written approval from the President of Coast Machinery, LLC.

SAFETY

The MM-2 Cutter is specifically designed and manufactured for the sole use on the rear hitch of a Marsh Master® amphibious track vehicle. The cutter should not be used in areas or applications where the Marsh Master® is not designed to operate (see your Marsh Master® manual). The cutter is a powerful attachment that should be operated and maintained with respect and caution. Misuse or carelessness can result in serious personal injury or death, damage to the machine, or both. Safety precautions must be observed at all times.

OPERATOR QUALIFICATIONS



Inexperienced personnel should not operate the MM-2 Cutter. It is important that qualified personnel study and understand this manual along with the Marsh Master® manual specific to your machine, before attempting to operate the machine with the cutter attached.








SAFETY WARNINGS







The following symbol is used throughout this manual as indicated to warn of hazards or unsafe practices that could result in property damage, personal injury, or death.






The table below lists warnings that must be read, understood, and followed prior to and during any activity that involves direct or indirect use and/or interaction with the MM-2 Cutter. Many of these warnings are shown both here in this table and in the applicable sections throughout this manual.

	<p style="text-align: center;">WARNING SERIOUS INJURY OR DEATH CAN OCCUR!</p>	<p style="text-align: center;">WHAT CAN HAPPEN</p>	<p style="text-align: center;">HOW TO AVOID</p>
	<p>READ AND UNDERSTAND THIS MANUAL AND THE MARSH MASTER® MANUAL (SPECIFIC TO YOUR MACHINE) PRIOR TO OPERATING THE MARSH MASTER® WITH THE CUTTER ATTACHED</p>	<p>The risk of accident, injury, and equipment damage is greatly increased if the operator does not fully understand how to properly operate the MM-2 Cutter in different situations.</p>	<p>New or inexperienced operators should read and understand this manual, and then regularly practice the operating techniques described in this manual.</p>

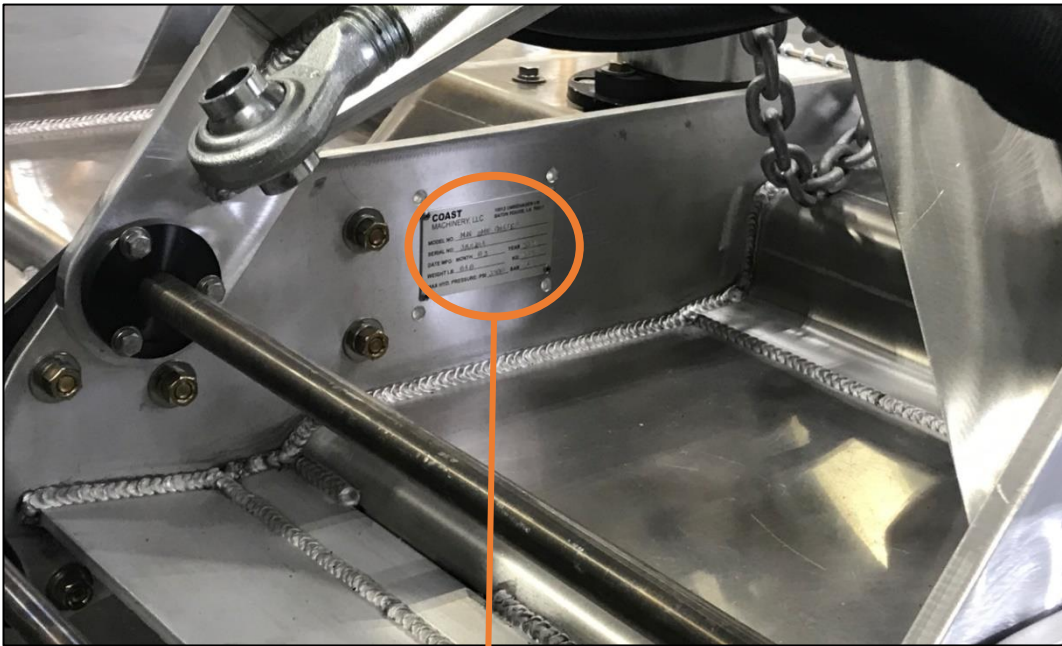
	READ, UNDERSTAND, AND FOLLOW ALL DECALS AND PLACARDS AFFIXED TO THE CUTTER	Failure to obey all warnings affixed to the cutter could increase the risk of injury, property damage, or death.	Ensure that all warnings affixed to the Marsh Master® are visible to all surrounding personnel.
	PERFORM A PRE-TRIP ASSESSMENT OF THE AREA IN WHICH THE MM-2 CUTTER IS TO BE OPERATED AND IDENTIFY ALL POTENTIAL HAZARDS (OBSTACLES, IMPEDIMENTS, DEBRIS, MANWAY COVERS, HIGH WATER, STRONG CURRENTS, SUBMERGED OBJECTS, STEEP BANKS, ETC...)	Not fully understanding the operating environment greatly increases the risk of accident, injury, and equipment damage AND increases the chance of leaving the operator and personnel stranded in a remote location.	When performing a pre-trip assessment, consult weather resources, people familiar with the area that you are operating the machine in, and when possible, practice with an experienced operator in similar environments prior to embarkment.
	VISUALLY INSPECT THE CONDITION OF THE CUTTER, LOOKING FOR LOOSE FITTINGS, LEAKS, ABNORMAL WEAR, ETC....	A damaged cutter could lead to flying debris, or malfunction of the cutter and Marsh Master® resulting in an increased risk of injury, death, or further property damage.	Prior to starting the machine, visually confirm that there are no noticeable mechanical concerns associated with the cutter. Resolve any issues found.
	DO NOT OPERATE THE CUTTER UNLESS ALL GUARDS ARE IN PLACE AND ARE IN GOOD CONDITION	Failure to do so will increase the risk of debris being launched by the cutter blades which increases the risk of injury, death, or property damage.	The operator must confirm that all safety guards are in place and properly secured prior to operating the cutter.
	KEEP HANDS AND FEET AWAY FROM BLADES AT ALL TIMES	Failure to do so greatly increases the risk of injury or death.	The operator and all personnel in the area must ensure that no one is near the cutter when the blades are engaged.
	IT IS THE OPERATOR'S RESPONSIBILITY TO ENSURE THAT ALL PERSONNEL AND PEDESTRIANS REMAIN AT THE PLACARDED "STAY BACK" DISTANCE THAT IS AFFIXED TO THE CUTTER	Failure to do so would put people in harm's way from flying debris such as sticks, rocks, or other hard objects resulting in increased risk of injury or death.	The operator must be vigilant and aware of all personnel in the area and must shut the cutter down if anyone enters the "STAY BACK" radius of operation.
	DO NOT OPERATE THE CUTTER IN ANY AREAS WHERE ROCKS, GLASS, PLASTIC, OR METAL OBJECTS MAY BE PICKED UP AND THROWN BY THE CUTTER	Failure to do so can cause damage to the machine and increases the risk of injury or death to anyone in the area.	The operator must be familiar with the area in which they are cutting and when in doubt, slow down or shut the cutter down.

	<p>WEAR PERSONAL PROTECTIVE EQUIPMENT SUCH AS, BUT NOT LIMITED TO, SAFETY GLASSES, GLOVES, HEARING PROTECTION, STEEL TOE BOOTS, ETC.... WHEN OPERATING OR REPAIRING THE CUTTER</p>	<p>Failure to do so may put personnel in an adverse situation increasing the risk of injury or death.</p>	<p>It is the operator's or maintenance personnel's responsibility to ensure that all people interacting with or around the cutter are properly fitted with the correct personal protective equipment.</p>
	<p>NEVER STAND BETWEEN THE CUTTER AND THE MARSH MASTER® PRIOR TO THE MARSH MASTER'S® ENGINE BEING TURNED OFF</p>	<p>Failure to do so could create a situation where personnel could get "pinched" between the cutter and the machine's tracks when the cutter is being raised up via the 3-point hitch (see Marsh Master® manual) increasing the risk of injury or death.</p>	<p>It is the operator's responsibility to ensure that all personnel remain clear of the rear of the machine when raising and lowering the cutter.</p>
	<p>ENSURE THAT THE MARSH MASTER'S® ENGINE IS OFF, WHEN PERFORMING MAINTENANCE OR ADJUSTMENTS TO THE CUTTER</p>	<p>Failure to do so could result in personnel being at risk if the cutter were to be engaged increasing the risk of injury or death.</p>	<p>It is the operator and/or maintenance personnel's responsibility to ensure that the engine is turned off and the machine is in a stable environment prior to working on the cutter.</p>
	<p>ALWAYS ALLOW THE CUTTER BLADES TO COME TO A FULL STOP PRIOR TO APPROACHING THE CUTTER DECK</p>	<p>Failure to do so may cause personnel to engage a cutting blade that is still in motion; therefore, increasing the risk of injury or death.</p>	<p>It is the operator and/or maintenance personnel's responsibility to ensure that all surrounding personnel remain clear of the cutter until the cutting blades have come to a complete stop.</p>
	<p>DO NOT USE THE CUTTER TO PUSH OBJECTS, OR AS A TOWING POINT TO PULL OBJECTS, OR AS A LIFT TO RAISE OBJECTS</p>	<p>Using the cutter outside of its intended purpose increases the risk of property damage, injury, and in some cases death.</p>	<p>It is the operator's responsibility to ensure that the cutter is being used in accordance with the instructions provided in this manual.</p>
	<p>KEEP THE CUTTER DECK CLEAN AND FREE OF HEAVY MUD AND DEBRIS SUCH THAT THE CUTTER WEIGHT IS NOT SIGNIFICANTLY IMPACTED BY A LARGE LOAD</p>	<p>Failure to do so may cause the cutter and machine to become imbalanced leading to adverse operating conditions resulting in the increased risk of property damage, injury, and death.</p>	<p>It is the operator's responsibility to ensure that the Marsh Master® and all attachments remain within the confines of the Load Capacity that is stamped on each machine.</p>

	<p>NEVER ALLOW PASSENGERS TO RIDE IN THE REAR OF THE MARSH MASTER® WITH THE CUTTER ATTACHED TO THE MACHINE</p>	<p>The addition of rear passengers creates the following issues: 1) if a rear passenger is ejected, they could be in the path of the cutter 2) it could imbalance the machine when entering water causing a risky operating condition, 3) it puts that person in harm's way of debris from the cutter when in operation. Failure to adhere to this warning increases risk of injury and death.</p>	<p>It is the operator's responsibility to visually ensure that no personnel are allowed to ride in the rear of the Marsh Master® when the cutter is attached to the machine.</p>
	<p>NEVER WORK UNDER THE CUTTER WITHOUT HAVING THE DECK PROPERLY SUPPORTED. NEVER RELY SOLELY ON THE REAR HITCH FOR SUPPORT WHEN WORKING UNDER THE CUTTER.</p>	<p>Failure to properly support the cutter when servicing the components underneath the deck increases the risk of property damage, personal injury, or even death.</p>	<p>It is the operator or maintenance personnel's responsibility to ensure that the cutter is properly supported using properly rated jack stands, overhead crane, forklifts, etc..... to provide a stable working condition for servicing the underside of the cutter.</p>
	<p>WHEN SWIMMING THE MACHINE WITH THE CUTTER ATTACHED ALWAYS FOLLOW THE BEST PRACTICES FROM YOUR SPECIFIC MARSH MASTER® MANUAL.</p>	<p>Failure to follow the recommended best practices could result in putting the machine in an adverse operating condition increasing the risk of property damage, injury, or death</p>	<p>It is the operator's responsibility to evaluate the situation at hand and to follow the recommended operations from the specific machine's manual with regards to swimming the machine with the cutter attached. When in doubt, err on the side of safety.</p>

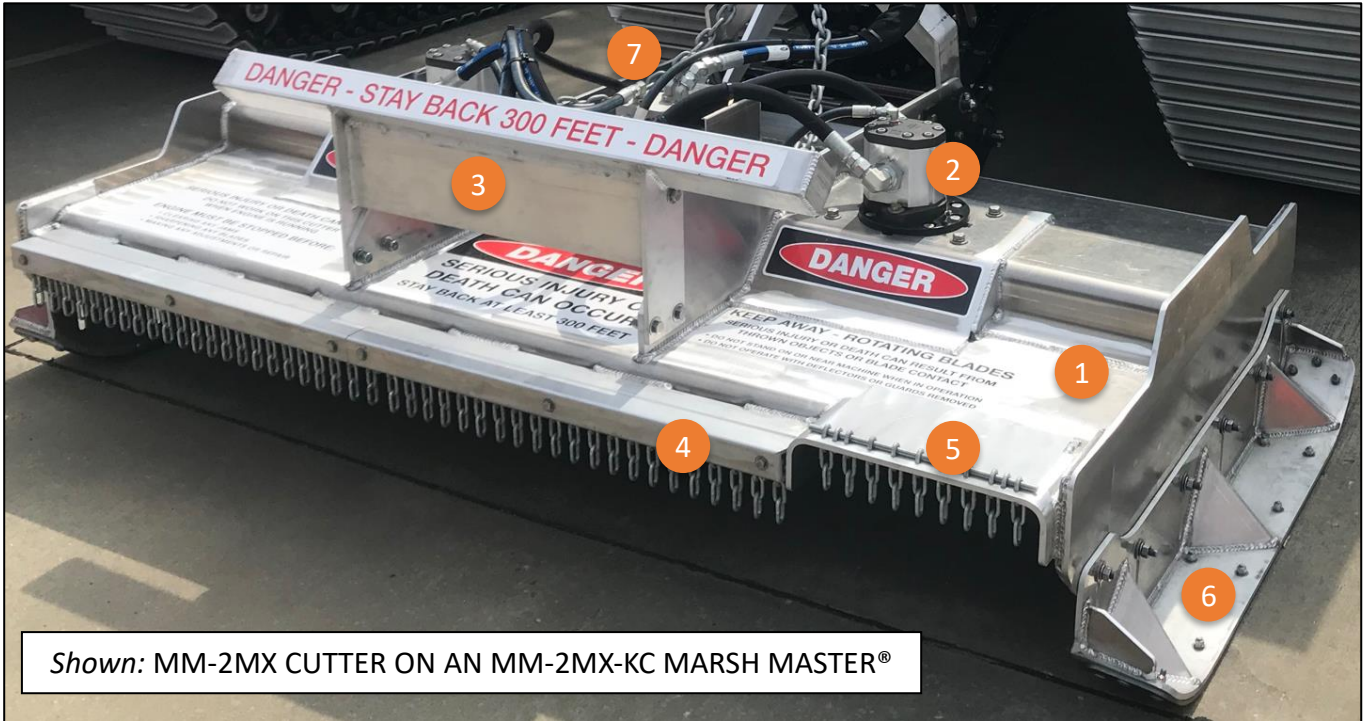
LOAD CAPACITY

The MM-2 Cutter is stamped with a data plate that clearly displays the weight of the unit. The Marsh Master®, when attached with the cutter is considered an amphibious package **AS LONG AS** the load capacity of the Marsh Master® itself is not exceeded. See your Marsh Master® manual along with the placarding on your machine to determine the load capacity of your package. If there are any questions regarding load limits, contact Coast Machinery, LLC.

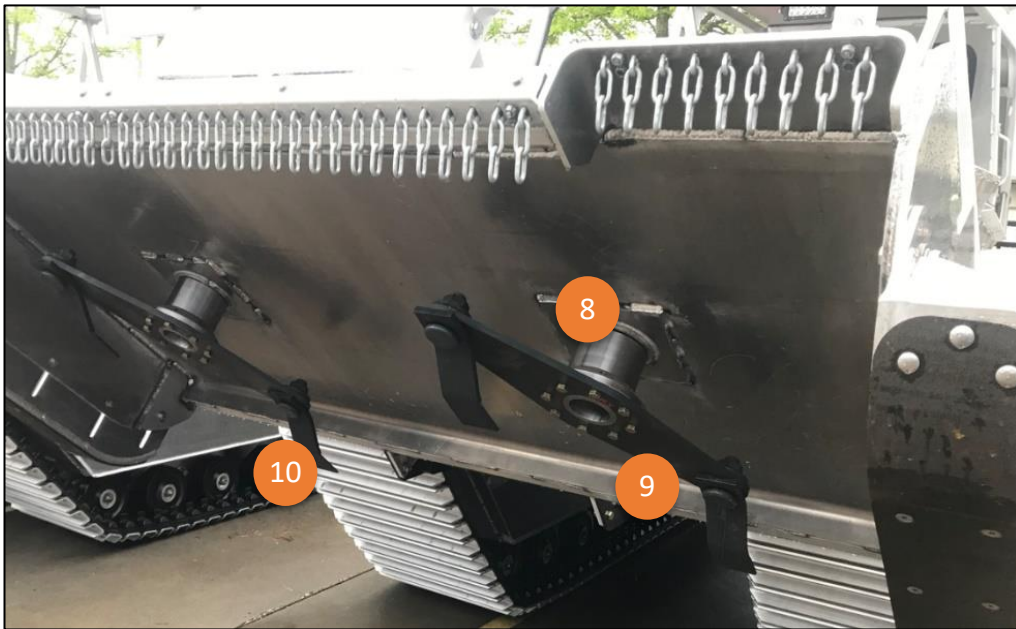


COAST MACHINERY, LLC	10012 UMBEHAGEN LN. BATON ROUGE, LA 70817
MODEL NO. _____	
SERIAL NO. _____	
DATE MFG: MONTH _____ YEAR _____	
WEIGHT LB. _____ KG. _____	
MAX HYD. PRESSURE: PSI _____ BAR _____	

MM-2 CUTTER



Shown: MM-2MX CUTTER ON AN MM-2MX-KC MARSH MASTER®



1. CUTTER DECK
2. HYDRAULIC MOTOR
3. REAR BRUSH GUARD
4. DISCHARGE CHAIN GUARD
5. DISCHARGE CHUTE (SPECIFIC TO CERTAIN CUTTERS)

6. CUTTER SKI
7. HYDRAULIC VALVE BLOCK
8. CUTTER SPINDLE HUB
9. CUTTER BLADE BAR
10. CUTTER BLADES

CUTTER SYSTEM DESCRIPTION

The MM-2 Cutter has two (2) rotary cutting heads mounted into an all-aluminum deck. Each cutting head is driven by a hydraulic motor. Using the Hi-Flow circuit from the Marsh Master®, hydraulic fluid is supplied to the hydraulic valve block on the cutter that controls the flow and pressure to each motor. This provides for a smooth-running system that is hydraulically protected from abrupt overloads when cutting in tough environments. The cutter is supported by the Marsh Master® 3-point hitch system which lifts the cutter high enough to cross ditches, canals, and lakes allowing the machine to make it to tough spots to cut.



WARNING!
SERIOUS INJURY OR DEATH CAN OCCUR!

HIGH-SPEED ROTATING BLADES CAN CAUSE SERIOUS INJURY OR DEATH. KEEP BACK AT THE PLACARDED DISTANCE WHEN CUTTER IS IN OPERATION

CUTTER CAPACITY

The cutter is designed for 1-to-3 year growth---up to 3 inch in diameter. It is not designed to cut trees over 3 inches in diameter.



WARNING!
SERIOUS INJURY OR DEATH CAN OCCUR!

RUNNING INTO OR CUTTING BRUSH OUTSIDE OF THE CUTTER'S OPERATING RANGE INCREASES THE RISK OF PROPERTY DAMAGE, INJURY, OR DEATH.

OPERATING SPEEDS

The cutter is designed to operate with the Marsh Master's® Engine rpms between 1500 and 2200 (depending on engine - see your specific Marsh Master® manual). Do not exceed 2200 rpms when cutting. Exceeding 2200 rpms when cutting does NOT increase performance and causes heat buildup in the machine's hydraulic system resulting in potential equipment damage or shortened equipment lifetime. The ground speed will vary depending upon the cutting conditions; however, the Marsh Master's® drive system allows for creeping very slowly where necessary to full stroke which is usually around 8 mph. It is the operator's responsibility to gauge the optimal cutting speed for the environment in which they are cutting.

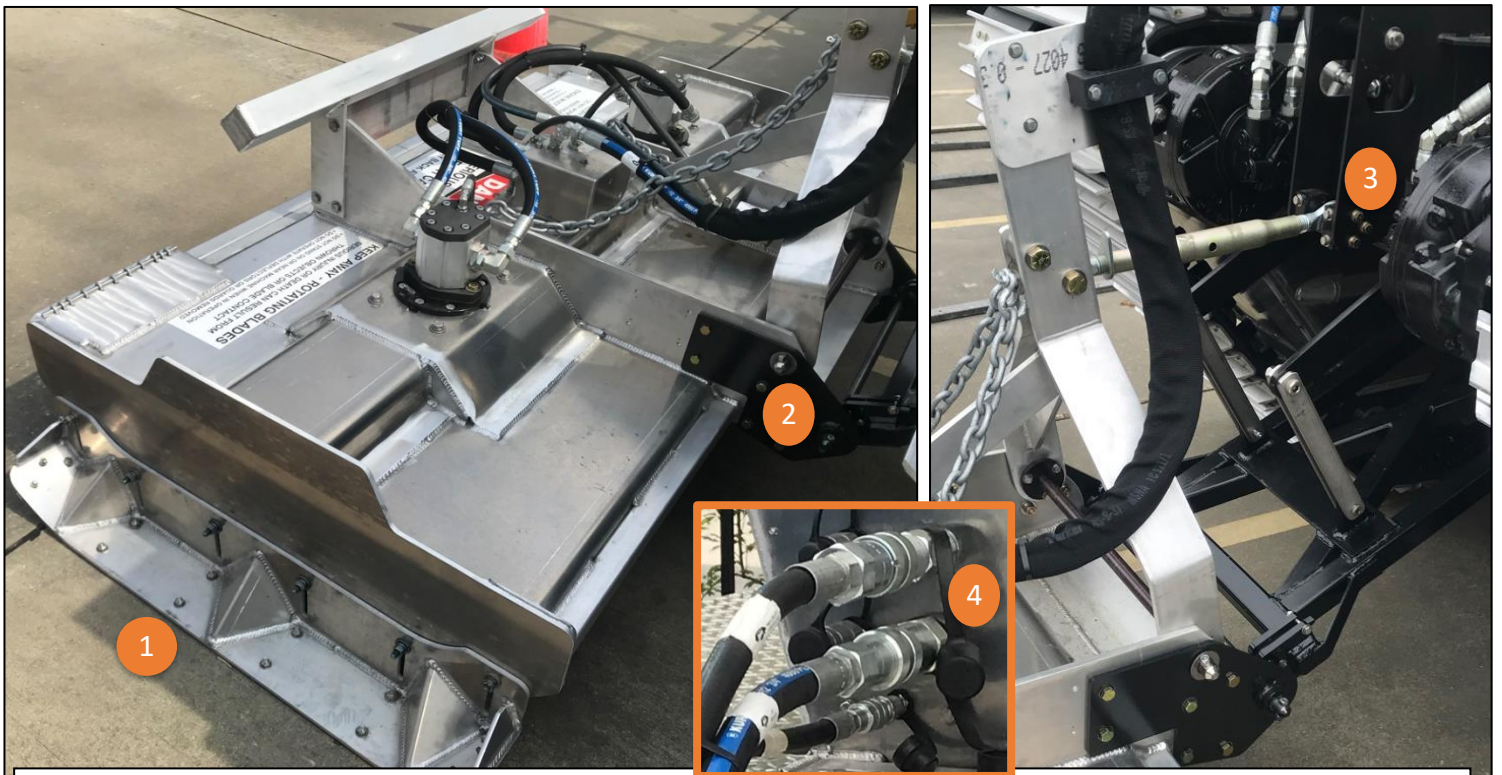


WARNING!
SERIOUS INJURY OR DEATH CAN OCCUR!

OPERATING ABOVE THE RECOMMENDED RPMS INCREASES THE RISK OF PROPERTY DAMAGE, EQUIPMENT MALFUNCTION, SHORTENED EQUIPMENT LIFE RESULTING IN THE POTENTIAL FOR SERIOUS INJURY OR DEATH.

ATTACHING & DETACHING

The cutter is attached to the Marsh Master® via the machine's rear 3-point hitch. See your specific Marsh Master® and manual for information on your machine's rear 3-point hitch. Generally, the rear 3-point hitch connects to the cutter using a cutter attach pin which connects the machine's pull frame to the cutter and a mechanically adjustable top link that connects the cutter yoke to the rear 3-point hitch system on the Marsh Master®. The cutter should **ONLY** be attached to the Marsh Master® when its use is required. When using the Marsh Master® for other purposes, it is recommended to detach the cutter thus reducing the weight and improving performance. The following general practices should be followed when attaching or detaching from the cutter:

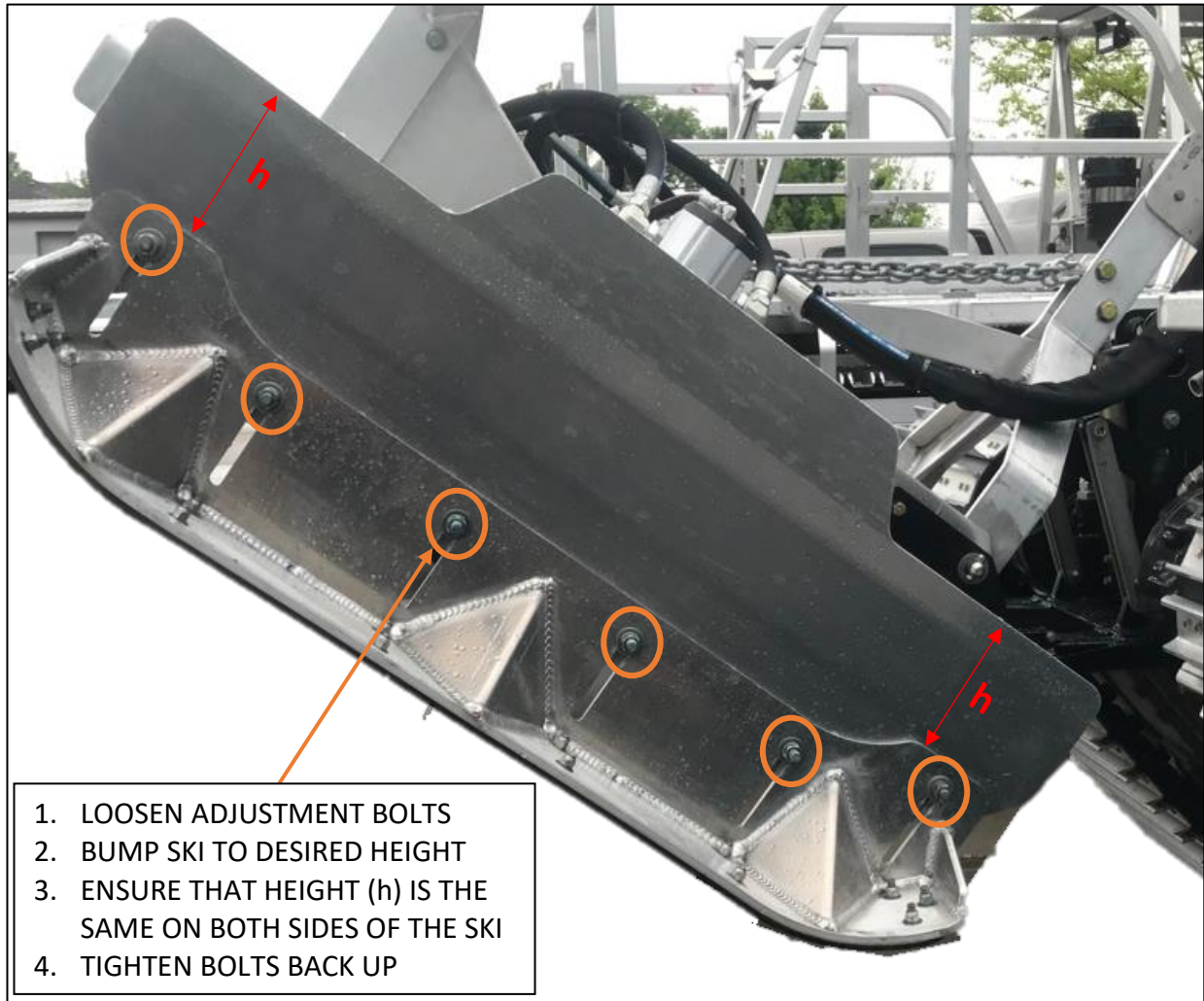


Shown: MM-2MX CUTTER ON AN MM-2MX-KC MARSH MASTER®

1. ENSURE THAT THE CUTTER IS TURNED OFF, CLEAR THE REAR AREA OF MACHINE OF ALL PERSONNEL, LOWER CUTTER SUCH THAT THE SKIS ARE FLAT ON LEVEL GROUND, SHUT ENGINE OFF.
2. DISCONNECT THE PULL FRAME FROM CUTTER ATTACH PIN. VARIOUS MODELS OF THE MARSH MASTER® REQUIRE VARIOUS METHODOLOGIES OF DISCONNECTING THE PULL FRAME FROM THE CUTTER.
3. DISCONNECT THE MECHANICAL TOP LINK FROM THE REAR HITCH ON THE MARSH MASTER®. VARIOUS MODELS OF THE MARSH MASTER® REQUIRE VARIOUS METHODOLOGIES OF DISCONNECTING THE TOP LINK AT THE MARSH MASTER®.
4. DISCONNECT THE HYDRAULIC HOSES CONNECTING THE CUTTER TO THE MARSH MASTER®. VARIOUS MODELS OF THE MARSH MASTER® HAVE DIFFERENT NUMBER OF HOSES AND DIFFERENT LOCATIONS OF QUICK CONNECTS.

CUTTING HEIGHT

The cutter deck height can be raised and lowered by adjusting the position of the skis via the slots in the skis and the adjustment bolts. Drop the skis down to raise the deck height and raise the ski's up to lower the deck height. See image below. Generally, the lower the deck height the cleaner the cut; however, the lower the deck height the heavier the load on the system. When cutting in very thick material, it may be required to make a couple of passes to get the finish that is required. It is the operator's responsibility to gauge the optimal cutting height for the environment in which they are cutting.



WARNING!
SERIOUS INJURY OR DEATH CAN OCCUR!

NEVER ADJUST THE SKIS WHILE THE ENGINE IS RUNNING ON THE MARSH MASTER®. MAKE SURE THE CUTTER IS PROPERLY SUPPORTED PRIOR TO ADJUSTMENT AND NOT SOLELY RELIANT UPON THE HITCH. FAILURE TO DO SO INCREASES THE RISK OF SERIOUS INJURY OR DEATH.

CONTROLS

The Cutter is turned on and off by activating and deactivating the Hi-Flow tool circuit on the Marsh Master®. The methodology by which the Hi-Flow tool circuit is engaged and disengaged depends on your make and model of Marsh Master®. However, the Hi-Flow tool circuit is **generally** engaged/disengaged via the following three operations:

- 1st Operation: Mechanical Switch in the cab
- 2nd Operation: Foot Pedal in the cab
- 3rd Operation: Control Cable connected to the 3-point hitch that only allows cutter operation at a specific hitch height (some models may not have this feature)

Each operation must be performed prior to the Hi-Flow circuit being activated, whereas only one operation not performed will deactivate the Hi-Flow circuit. Thus, if your cutter ever appears to “not be kicking on”, check each operation above to make sure that the Hi-Flow circuit is being engaged. Refer to your specific Marsh Master® manual for further details and instructions regarding the Hi-Flow circuit operation.

The cutter is raised and lowered by manipulating the rear 3-point hitch via a lift lever in the cab of the Marsh Master®. The methodology by which the 3-point hitch system is operated depends on the make and model specific to your Marsh Master®. However, the 3-point hitch **generally** has the 3 following positions:

- 1st Position: Back to Raise
- 2nd Position: Center to Hold
- 3rd Position: Forward to lower and float (float allows the cutter to rise and fall following the ground contours)

Some machines that have front hitches installed also have down pressure which can be used on either the front or rear hitch. It is NEVER recommended to use down pressure when operating with the cutter as this will lift the rear of the Marsh Master® up and could overload the cutter. Some machines have an “Auto-Lift Hitch System” feature that automatically raises or lowers the hitch to optimize cutter performance and protect the machine’s hydraulic system. **Refer to your Marsh Master® manual for further details and instructions regarding the 3-point lift features and functionality specific to your machine.**

The cutter load and performance can be monitored via an analog pressure gauge that is mounted in the cab of the Marsh Master®. The pressure gauge is directly connected to the Hi-Flow tool circuit that is powering the cutter. As a general rule of thumb, the following practices should be followed when cutting:

- Keep the pressure below 3500 psi (Hi-Flow Relief Valve Setting)
- If pressure exceeds 3500 psi → SLOW DOWN OR LIFT CUTTER
- Do not continuously operate at 3500 psi



CONTINUOUSLY OPERATING ABOVE 3500 PSI WILL BUILD UP HEAT INCREASING THE RISK OF OVERHEATING THE MACHINE.

OPERATION

When operating the cutter, the following best practices should be followed and used as a guide to perform safe and sustainable cutting to achieve the task at hand. Operating outside of these best practices may result in adverse, unsafe situations and reduced equipment life.

1. Make sure the area is clear of all personnel and the cutter and Marsh Master® are fit for use.
2. Start engine and set engine to idle speed.
3. Lower the cutter via the 3-point hitch lever.
4. Activate the Hi-Flow tool circuit → The cutter is now “ON”, and you will have likely heard a drop in engine rpms as the cutter blades are getting up to speed.
5. Allow cutter to run at low idle for a few minutes to allow hydraulic fluid to properly lubricate and warm up.
6. Increase engine rpms to 1800 while monitoring the Hi-Flow pressure gauge mounted in the cab. The pressure should increase slightly and then level off between 500 and 800 psi.
7. Slowly track the Marsh Master® forward while monitoring the pressure gauge.
8. Track the machine and adjust engine rpms as necessary (NEVER ABOVE 2200 rpm) such that the Hi-Flow circuit pressure remains below the relief point of 3500 psi.
9. Listen and pay attention to the machine and your surroundings as you periodically monitor the pressure gauge.
10. Keep cutting until you’ve achieved the results that are required for the task at hand.

Pro Tips

- Heavy vegetation may require a second cut; therefore, it is sometimes more efficient to make the first pass a “rough-high” cut with the cutter lifted such that the skis are several inches off the ground. A second pass with the hitch in “float” and the skis contacting the ground will then leave you with a nice finish.
- When cutting in water covered terrain, it is best to use the hitch to hold the cutter deck a few inches above the water to prevent constant relieving of the hydraulic system. You never want to run the cutter constantly in the water.
- The cutter yoke chains, and adjustable top link mount can be adjusted to “trim” the cutter deck such that a level cut can be achieved when cutting over water for extended periods of time.
- When swimming with the machine with a cutter attached, you should always refer to the Marsh Master® operation manual for the best practices. The machine swims best in reverse with the cutter attached.



IT IS THE OPERATOR’S RESPONSIBILITY TO OPERATE THE CUTTER IN ACCORDANCE WITH THESE BEST PRACTICES AND WHEN IN DOUBT ERR ON THE SIDE OF SAFETY. FAILURE TO DO SO INCREASES THE RISK OF SERIOUS INJURY OR DEATH.

CUTTER MAINTENANCE

DAILY CHECKS

1. **Grease spindles with approximately 30 pumps or until grease starts coming out around the blade hub using Mobil CM Premium Construction and Mining Grease or equivalent.**
2. **Grease all other grease fittings on the 3-point lift and pull frame.**
3. Inspect cutter blades and blade mounting bolts for damage. Repair or replace if any part shows excessive wear or is missing. Sharpen blades and inspect blade carriers for damaged, loose, or missing mounting bolts. **Dull blades will not perform well. Blades must be replaced as a set to control harmonic vibration.**
4. Inspect 3-point hitch pins to be sure they are in place and all bolts are tight. Loss of any hitch pin could cause severe damage to the cutter or hitch.
5. Check for hydraulic leaks. Do not operate if there is a leak. Make the necessary repairs as soon as possible.
6. Check skis for loose bolts or damage. Repair if necessary.
7. Clean all mud and debris from cutter deck and pull frame. This can add significant weight to the rear of the machine, affecting flotation, performance, and causing unnecessary wear and tear to the machine.

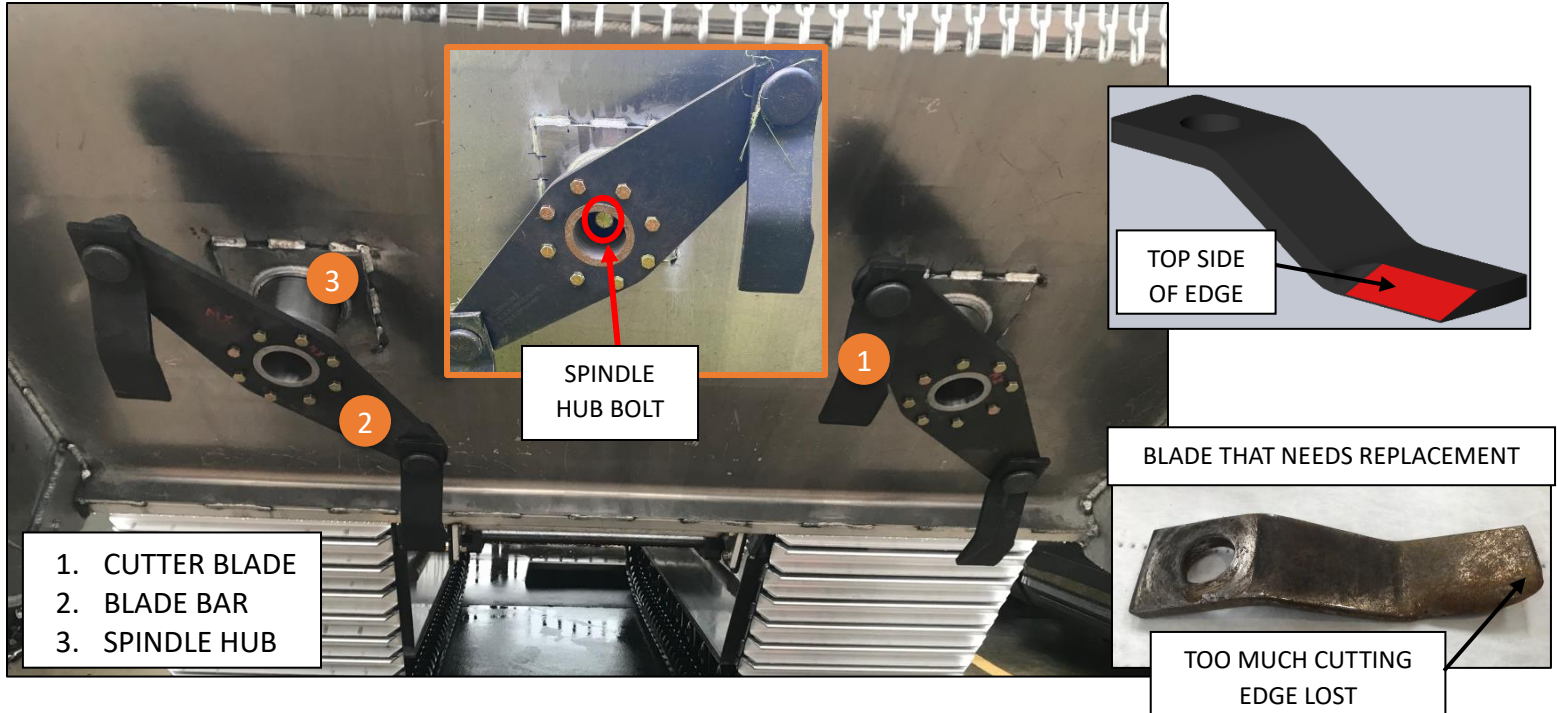


WARNING!
SERIOUS INJURY OR DEATH CAN OCCUR!

FAILURE TO ADHERE TO THESE DAILY CHECKS INCREASES THE RISK OF PROPERTY DAMAGE, EQUIPMENT FAILURE, AND IN SOME CASES INJURY OR DEATH.

SERVICING THE BLADES

The MM-2 Cutter has four (4) blades mounted to two (2) blade bars that are each mounted to a hub that is then driven by the hydraulic motors. It is recommended to inspect the blades and blade bars daily as mentioned in the section above to determine if sharpening or replacing is required. The following best practices are recommended when sharpening or replacing blades.



- Always support the cutter deck with proper jack stands, overhead crane, forklift, etc.... prior to performing any work underneath the cutter. **NEVER RELY SOLELY ON THE MARSH MASTER® HITCH TO SUPPORT THE CUTTER.**
- If blades are determined to require sharpening, always sharpen from the top side of blade where the bevel extends to the edge of the blade.
- The best way to sharpen blades is by using an angle grinder with a grinding wheel to reform the cutting edge of each blade.
- To determine if blades need to be replaced, look at the end of the blade for rounded corners and blunt edges. If corners are severely rounded it is time to replace the blades. **Blades should always be replaced in pairs.**
- When replacing blades, un-bolt the spindle hub and use a long handle maul to “shock” the hub freeing it from the taper fit and rust that may be holding it in place. Make sure to stay clear of the path of the falling blade assembly. **DO NOT TRY TO UNBOLT THE BLADES FROM THE BLADE BAR WITH IT MOUNTED TO THE HUB, THESE BLADE BOLTS ARE TAPERED AND KEYED.**
- Un-bolt each blade that is being replaced from the blade bar. When re-installing the spindle hub, use red Loctite 271 and torque bolt to 150 ft-lbs.



WARNING!
SERIOUS INJURY OR DEATH CAN OCCUR!

FAILURE TO FOLLOW THESE BEST PRACTICES INCREASES THE RISK OF PROPERTY DAMAGE, INJURY, OR DEATH.

PARTS ORDERING

(1-800-827-5320)

The components used on the MM-2 Cutter have been carefully selected for performance, reliability, and safety. Use only genuine Marsh Master® replacement parts.

WHEN ORDERING PARTS PLEASE FURNISH ALL OF THE FOLLOWING:

- MM-2 Cutter model → See data plate attached to the cutter
- Your company name
- Shipping address
- Billing address
- Name of person ordering
- Telephone number
- Purchase order number
- Part description and quantity of each item

Thank you for choosing Coast Machinery, LLC, and the MM-2 Cutter. If you have any questions regarding the MM-2 Cutter please call Coast Machinery, LLC at 1-800-827-5320.