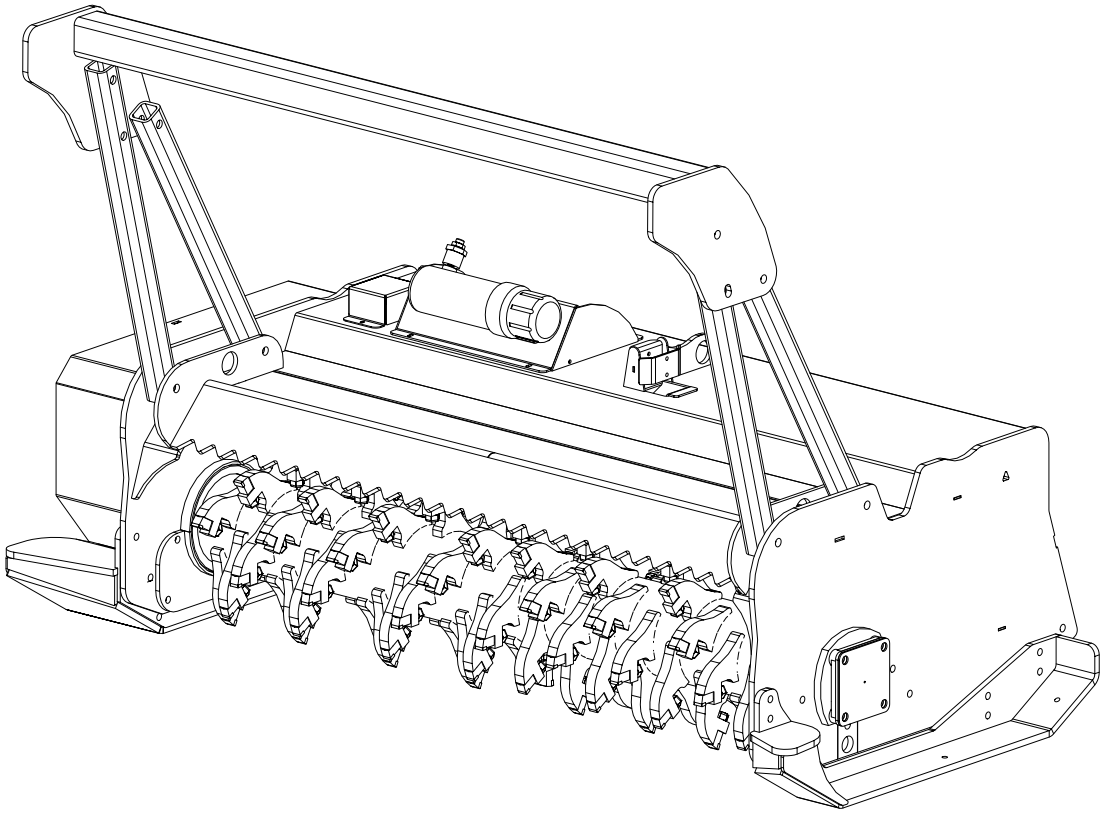
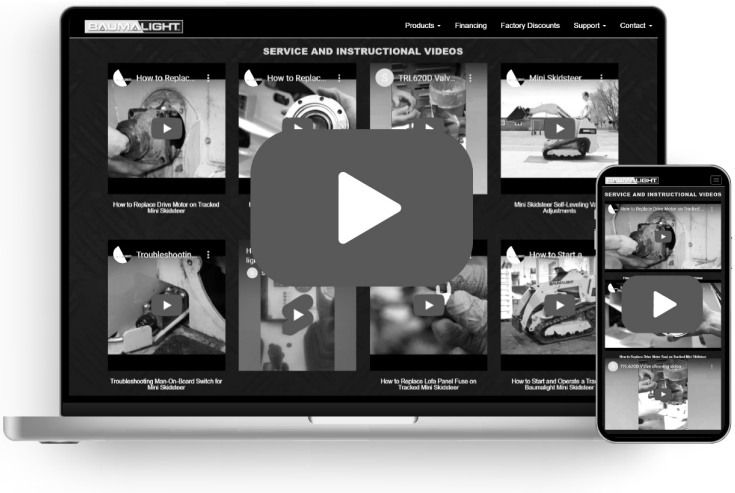


BAUMALIGHT™

MS548, MS560 And MS572 Brush Mulcher

OPERATOR'S MANUAL

Issue Date: October 2026



Service And Instructional Videos

Find online at baumalight.com/support

Following is a list of videos and documents available on Baumalights website and also on YouTube to help and enhance maintaining the brush mulcher. The list below was current at the time this manual was issued. Additional content may be available.

Activity ID Number	Activity Name	Description	Item Available
22	Belt Maintenance.	Install New Belt.	Video
311	Hydraulic Motor.	Breaking In Replacement Hydraulic Motor.	Video
266	Skidsteer Case Drain Back-Pressure.	What May Cause Skidsteer Case Drain Back-Pressure.	Video
267	Skidsteer Case Drain Back-Pressure.	Testing Case Drain Back-Pressure With Pressure Gauge.	Video
268	Skidsteer Case Drain Back-Pressure.	Testing Case Drain Back-Pressure With Open-Coupler.	Video
251	Mulcher Conversion Chart.	Old Mulcher Model Number Cross.	Document
249	Rotor Shaft.	Replacing Rotor Shaft.	Video
188	Replacing Teeth.	When To Replace P5000 Teeth.	Video
187	Replacing Teeth.	Tips For Replacing 500 Series Mulcher Teeth.	Video
192	Chain Coupler.	Replacing Chain On Chain Couplers.	Video
129	Replace Overhung Load Adaptor.	Replace Bearing Support For Motor.	Document
136	Replace Motor Shaft Seal.	Replace Shaft Seal On Piston Motor.	Video
155	Rotor Bearing.	Replacing Rotor Bearing	Video
100	Remove Seal.	Remove Seal On Motor Or Load Adapter.	Video

Activity ID Number	Activity Name	Description	Item Available
119	Zero-Leak Relief Valve.	Demonstrating And Troubleshooting Zero-Leak.	Video
88	Pressure Not Building Up.	Relief Over Tightened.	Document
67	Mulcher Tooth Holder Replacement.	Replace Weld On Tooth Holder.	Document
23	Belt Maintenance.	Testing New Belt.	Video
43	Mulcher Drive Side Bearing Replacement.	Replace Bearing - Drive Side.	Document
44	Mulcher Bearing Replace Idler Side.	Replace Bearing Idler Side.	Document
45	Torque Chart For Mulchers.	Mulcher Bolts Torque Chart.	Document
52	Bending Idler Bracket Instruction.	Bending Idler Bracket To Control Where Belt Runs On Pulleys.	Document
55	Excessive Vibration	Troubleshooting	Video
464	Communicating Measurements.	Why Not To Send Pictures Of Measuring Tapes To Communicate Measurements.	Video

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1 INTRODUCTION

1.1 Overview

Congratulations on your choice of a Baumalight Brush Mulcher to complement your mulching operation. This equipment has been designed and manufactured to meet the needs of a discriminating buyer for efficient mulching of brush.

The rotor is hydraulic powered by the hydraulic system on your skid steer.

Replaceable bearings are provided at major pivot points for extended service life.

Safe, efficient and trouble free operation of your brush mulcher requires that you and anyone else who will be operating or maintaining the brush mulcher, read and understand the Safety, Operation, Maintenance and Troubleshooting information contained within the Operator's Manual.

This manual covers the Baumalight Brush Mulcher, models MS548, MS560 and MS572. Use the Table of Contents as a guide to locate required information.

Keep this manual handy for frequent reference and to pass on to new operators or owners. Contact your Baumalight dealer if you need assistance, information or additional copies of the manuals.

When this machine is worn out and no longer in use, it should be returned to the retailer or other party for recycling.

OPERATOR ORIENTATION - The directions left, right, front and rear, as mentioned throughout this manual, are as seen from the skid steer driver's seat and facing in the direction of travel.

1.2 Intended Use And Foreseeable Misuse

The brush mulcher is designed to be used by experienced operators, trained in the safe operation of a skid steer and trained in the hazards related to using the brush mulcher and the safe use of the mulcher for the intended purpose. Operators will require personal protective equipment to reduce the risk from some hazards that cannot be completely eliminated or controlled by the design of the tool.

Care is required to ensure that the brush mulcher tool will not come across metallic objects, stones or other materials.

Brush mulcher tools are not designed for use in hazardous atmospheres where there is a risk of fire or explosion due to flammable gases or vapors. Use in hazardous, explosive atmospheres is prohibited.

Serious injury or death of the operator or bystanders may be caused if the tool is misused. Misuse may also cause damage to the machine carrying the implement.

2 SAFETY

2.1 Safety Alert Symbol and Safety Words

You must read, understand and follow the instructions given by the operating unit manufacturers, as well as the instructions in this manual.

The safety information in this manual is denoted by the safety alert symbol:



This symbol means ATTENTION! BECOME ALERT! YOUR SAFETY IS INVOLVED!

The level of risk is indicated by the following signal words:

DANGER

DANGER - Indicates a hazardous situation, which, if not avoided, WILL result in death or serious injury.

WARNING

WARNING - Indicates a hazardous situation, which, if not avoided, could result in death or serious injury.

CAUTION

CAUTION - Indicates a hazardous situation, which, if not avoided, could result in minor or moderate injury.

NOTICE

NOTICE - Indicates a situation that could result in damage to the equipment or other property.

2.2 Operational Hazards

WARNING

Prevent serious injury or death.

Read and understand this manual before operating brush mulcher.

Always stop engine and remove key before leaving operators seat.

Never allow anyone near the brush mulcher during operation.

Travel at a safe speed.

WARNING

Prevent serious injury or death from moving parts.

Moving parts can crush and dismember.

Do not operate without guards and shields in place.

Disconnect and lock out power source before adjusting or servicing.

WARNING

Use brush mulcher only for the designed applications.

Any other use may result in personal injury, damage to equipment and may void the warranty.

⚠ WARNING

Prevent serious injury or death.

Verify brush mulcher is attached to skid steer before operation or transport.

⚠ WARNING

Protect from flying debris.

Wear proper safety glasses, goggles, or a face shield to protect from flying debris.

Carefully read all safety messages in this manual and on equipment safety signs. Keep safety signs in good condition and replace missing or damaged safety signs.

New equipment components and repair parts must include the current safety decal.

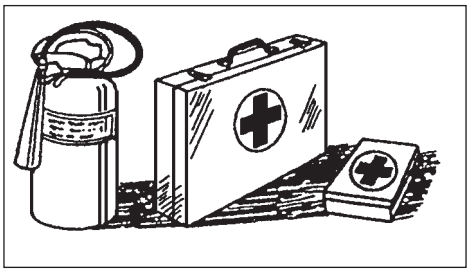
Learn how to properly operate equipment. NEVER operate or work around this equipment without proper instruction, while fatigued or under the influence of alcohol, prescription or non-prescription medication or if feeling ill.

Keep your equipment in proper working condition. Know the regulations and laws that apply to you and your industry. This manual is not to replace any regulations or laws. Additional information may be found at: www.asae.org or www.osha.gov.

If you do not understand any part of this manual, contact your Baumalight dealer.

Prepare For Emergencies

- Be prepared in case of emergencies.
- Keep a fire extinguisher and first aid kit close to the machine.
- Keep emergency phone numbers close to your phone.
- Know your address so emergency services can locate you if an emergency arises.



Replace Safety Signs

- Replace missing or damaged safety signs.
- Safety signs are identified in Section 3 of this manual.
- Replacement safety signs are available from your Baumalight dealer.

Do Not Allow Riders

- NEVER lift or carry anyone with brush mulcher.
- NEVER use brush mulcher as a work platform.
- NEVER allow passengers on brush mulcher.

Lower Operating Speed

- Lower operating speed while loading, unloading or performing heavy operations.
- Keep load low and move at slow speeds on rough or uneven terrain.

Avoid Rollover

The equipment may rollover, resulting in death or serious injury. To help prevent rollover:

- Travel at a slow speed.
- Avoid sharp turns & sudden movement on slopes.
- Carry loads close to the ground.
- Avoid holes, ditches and other obstructions which may cause equipment to rollover.
- Balance load so weight is evenly distributed and load is stable.
- Use caution when operating on slopes and do not operate on excessively steep slopes.
- Do not exceed load capacity of equipment.

Avoid Powerlines & Underground Utilities

⚠ DANGER

Prevent electrocution.

Death or serious injury can result if equipment comes near or contacts power lines.

Electrocution can occur without direct contact.

DO NOT leave the operator's seat if any part of the equipment contacts electric lines or cables.

Detach Brush Mulcher Safely

Detach brush mulcher on a firm and level surface. Brush mulcher may fall over if detached on sloping or soft surface. Be sure people, livestock and pets are clear of machinery.

Relieve hydraulic pressure before disconnecting hydraulic hoses. See your skid steer Operator's Manual.

Raised Attachment

⚠ WARNING

Crushing hazard.

Raised, unsupported brush mulcher can fall, resulting in death or serious injury.

Never enter the area under a raised brush mulcher.

A raised brush mulcher can lower unexpectedly, resulting in death or serious injury.

NEVER enter area under a raised brush mulcher.

Lower brush mulcher to ground, engage parking brake, shut off engine and remove key before servicing.

Avoid Loud Noise

⚠ WARNING

Prolonged exposure to loud noise can cause impairment or loss of hearing.

Wear a suitable hearing protective device such as earmuffs or earplugs to protect against objectionable or uncomfortable loud noises.

Hazards From Modifying Equipment

Do not make any alterations to your brush mulcher. Altering the equipment may cause unsafe conditions and may void the manufacturer's warranty.

Avoid Wood Dust Inhalation

⚠ 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.

⚠ WARNING

Wear an approved dust mask or respirator.

Follow local, state and federal regulations.

Avoid High Pressure Fluids

⚠ WARNING

Pressurized fluids can penetrate the skin.

Hydraulic hoses can fail from age, damage and exposure.

Use body and face protection while searching for leaks. A tiny, almost invisible leak can penetrate the skin, thereby requiring immediate medical attention.

Use wood or cardboard to detect hydraulic leaks, never use your hands.

Escaping fluid under pressure can penetrate the skin causing serious injury.

Prevent the hazard by relieving pressure (See skid steer Operator's Manual.) before connecting or disconnecting hydraulic lines. Verify all connections are tight before applying pressure.

Search for leaks with a piece of cardboard or wood.

Protect hands and body from high pressure fluids. If an accident occurs, see a doctor immediately. Any fluid injected into the skin must be surgically removed within a few hours or serious infection may result.

2.3 Maintenance Hazards

Before servicing, park machine on a firm and level surface, set parking brake, chock wheels, and place a “Do Not Operate” tag on control panel. Read and understand this manual. If you do not understand any part of the manual, contact your Baumalight dealer.

Always wear face and/or eye protection, safety shoes, and other protective equipment appropriate for the job.

Do not make unauthorized modifications. Contact your Baumalight dealer before you weld, cut/drill holes, or make any other modifications.

⚠ WARNING

Moving parts can crush and cut.

Keep clear of moving components.

Follow lockout procedure before servicing.

⚠ WARNING

Entanglement hazard.

Keep clear of moving components.

Wear proper protective equipment appropriate for the job.

⚠ WARNING

Burn hazard.

Hot and high pressure hydraulic oil.

Allow oil to cool before servicing.

⚠ WARNING

Crushing hazard.

Before performing inspections, service or maintenance:

Park machine on firm, level surface.

Engage parking brake.

Turn engine off and remove key.

Place “Do Not Operate” tag on control panel.

⚠ 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.

⚠ WARNING

Wear an approved dust mask or respirator.

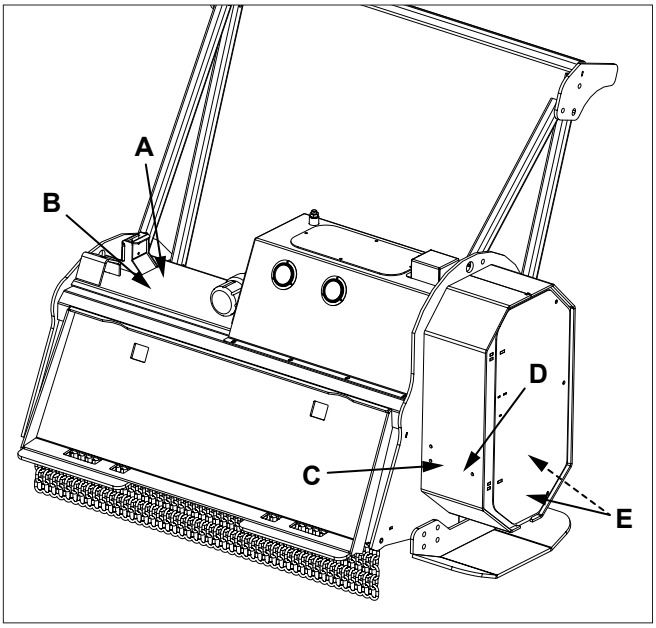
Follow local, state and federal regulations.

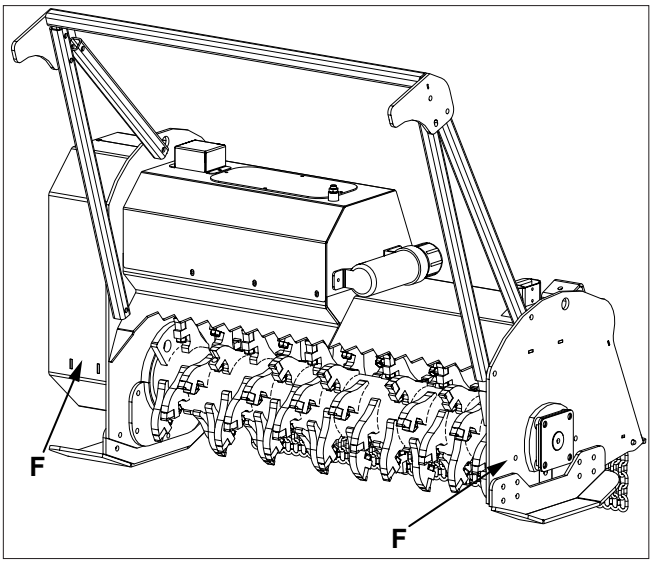
3 SAFETY SIGNS

3.1 Safety Signs - MS548

The two and four panel safety decals are pictorial and have a yellow background. The panel with a triangle indicates the potential hazard. The panel without a triangle indicates how to avoid the hazard.

If any of the decals are missing, are damaged, or if you do not understand the decal, please contact your dealer. Dashed line indicates item hidden from view unless cover is removed.





A. D005253 ⚠ WARNING - Pressurized fluid hazard. Pressurized fluids can penetrate the skin. Do not check for leaks with your hands. Keep back a safe distance when pressurized.

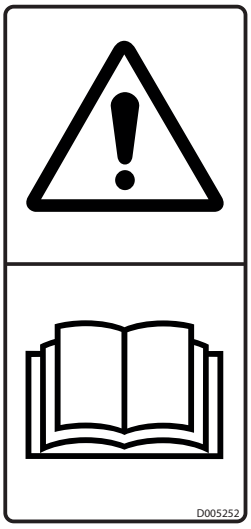


B. D005262 ⚠ WARNING - P65 warning information.

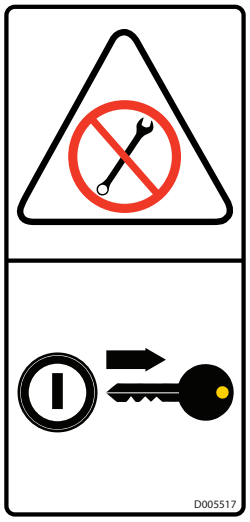
⚠ **WARNING:** This product can expose you to chemicals including 1,3-Butadiene and lead, which are known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

D005262

C. D005252 ⚠ WARNING - Read and understand safety signs on the machine and operating instructions in this manual before operating machine.



D. D005517 ⚠ WARNING - Remove key before servicing.



E. D005129 ⚠ WARNING - Rotating parts hazard. Do not reach into machine. Keep away from machine.



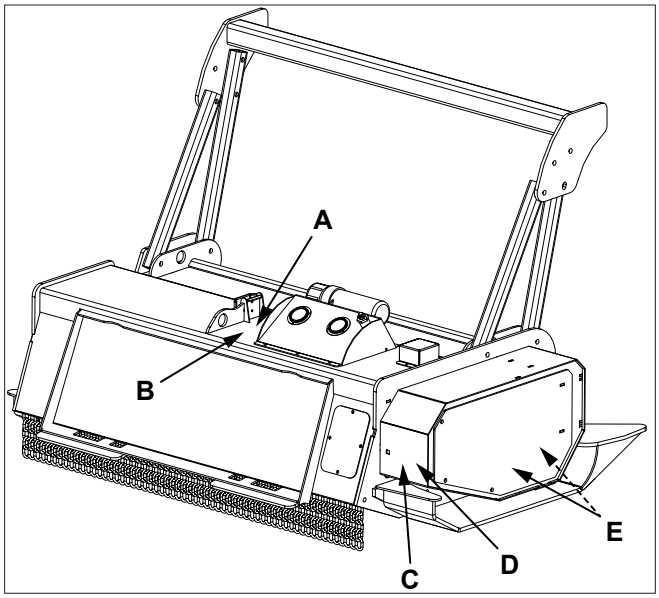
F. D005223 ⚠ WARNING - Rotating blade hazard. Keep back 75 m while machine is operating. Wait for blade to stop before approaching machine.

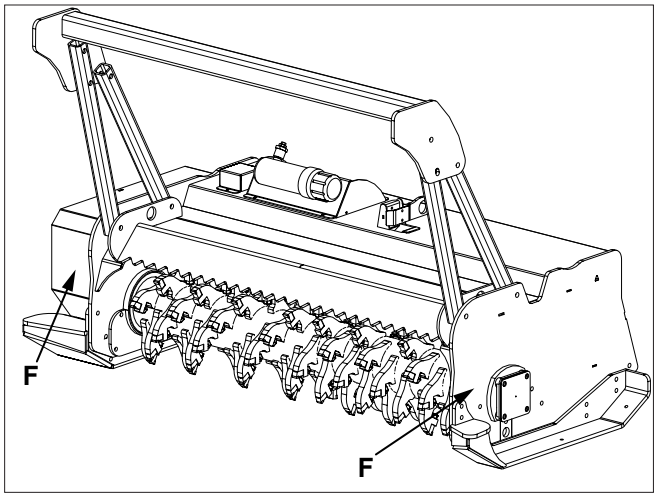


3.2 Safety Signs - MS560 And MS572

The two and four panel safety decals are pictorial and have a yellow background. The panel with a triangle indicates the potential hazard. The panel without a triangle indicates how to avoid the hazard.

If any of the decals are missing, are damaged, or if you do not understand the decal, please contact your dealer. Dashed line indicates item hidden from view unless cover is removed.

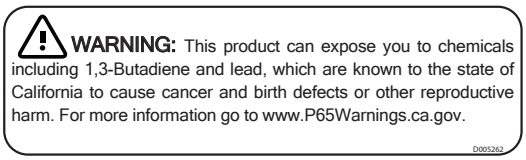




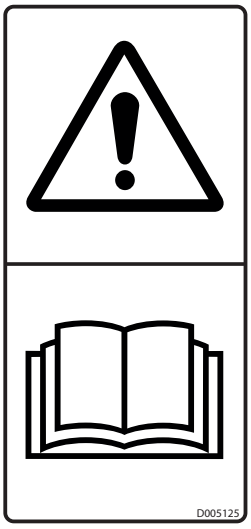
A. D005126 ⚠ WARNING - Pressurized fluid hazard. Pressurized fluids can penetrate the skin. Do not check for leaks with your hands. Keep back a safe distance when pressurized



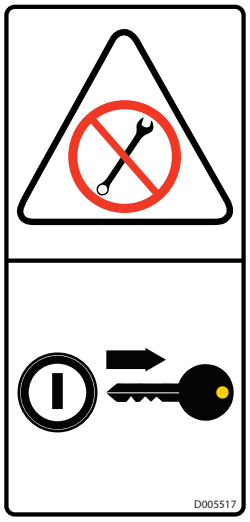
B. D005262 ⚠ WARNING - P65 warning information.



C. D005125 ⚠ WARNING - Read and understand safety signs on the machine and operating instructions in this manual before operating machine.



D. D005517 ⚠ WARNING - Remove key before servicing.



E. D005129 ⚠ WARNING - Rotating parts hazard. Do not reach into machine. Keep away from machine.



F. D005223 ⚠ WARNING - Rotating blade hazard. Keep back 75 m while machine is operating. Wait for blade to stop before approaching machine.



4 INITIAL SETUP

4.1 Hydraulics

⚠ WARNING

Pressurized fluids can penetrate the skin.

Disconnect and lock out power source before disconnecting and/or connecting hydraulic hoses.

The mucher is equipped with short hoses that are connected to the hydraulic motor. You must connect your skid steer hoses to these hoses.

If mulcher is not equipped with hydraulic couplers, install couplers and connect your skidsteer pressure, return and case drain hoses to the mulcher hoses. Install your couplers to the hoses listed in the table below.

Fitting Size	Hose Description	Qty.
3/4 JIC FM	Pressure & Return	2
1/2 JIC FM	Case Drain	1

Identify the pressure port hose and connect your hoses to the brush mulcher hoses.

All mulcher motors except the A450 will have pressure, return and case drain connections. The A450 motor will not have the case drain connection. Identify the pressure port hose from the following chart and connect your hoses to the mulcher hoses.

4.2 Motor Pressure Port

A450 - Rear port (away from shaft)
B550 - A port on block (rear port on motor)
C510 - B port on motor
C530 - A port on block (B port on motor)
C540 - A port on block (B port on motor)
C550 - A port on block (B port on motor)

4.3 Maximum Allowable Case Pressure

A450 - 500 psi, no case drain required.
B550 - 250 psi, no case drain required, but is recommended.
C510 - 100 psi, case drain required.
C530 - 100 psi, case drain required.
C540 - 100 psi, case drain required.
C550 - 100 psi, case drain required.

5 OPERATION

5.1 Preparation for Use

⚠ 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.

⚠ WARNING

Wear an approved dust mask or respirator.

Follow local, state and federal regulations.

Although the brush mulcher has been carefully inspected and checked prior to shipment from manufacturer, it is recommended that the unit be thoroughly inspected.

Check all bolts for tightness and remove all shipping tags, bags, skids, and blocking.

Review and understand this manual and operating unit manual.

Remove any masking materials affixed during painting. Inspect the mulcher and any accessory equipment to verify that nameplates and all safety warning, caution signs and decals provided with the equipment are in place and clearly visible.

Visually inspect the unit before each start up. Check for loose or missing parts and any damage that may have occurred during moving or shipping.

Review all skid steer pre-start instructions, and be sure that all recommended steps and procedures have been followed.

Note: *Always keep the weight of the machine in mind. Never position body in line of impact.*

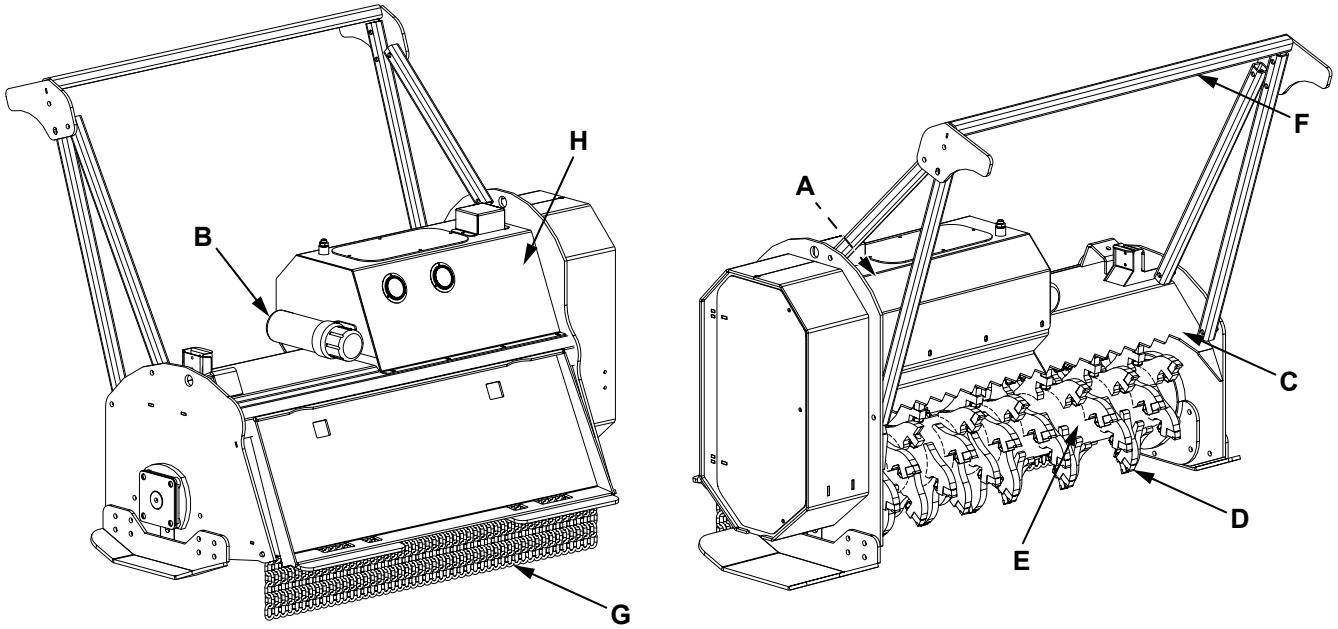
5.2 Pre-Operation Check List

Check-mark	Check these items:	Frequency
	Verify that mulcher is properly attached to skid steer.	Each operation.
	Verify that hydraulic hoses are connected to skid steer hydraulic couplers.	Each operation.
	Check for entangled material on rotor.	Each operation.
	Verify all guards, doors and covers are installed and secured.	Each operation.
	Verify cutting teeth on the rotor are tight.	Every 4 hours.
	Check belt chamber.	Every 4 hours.

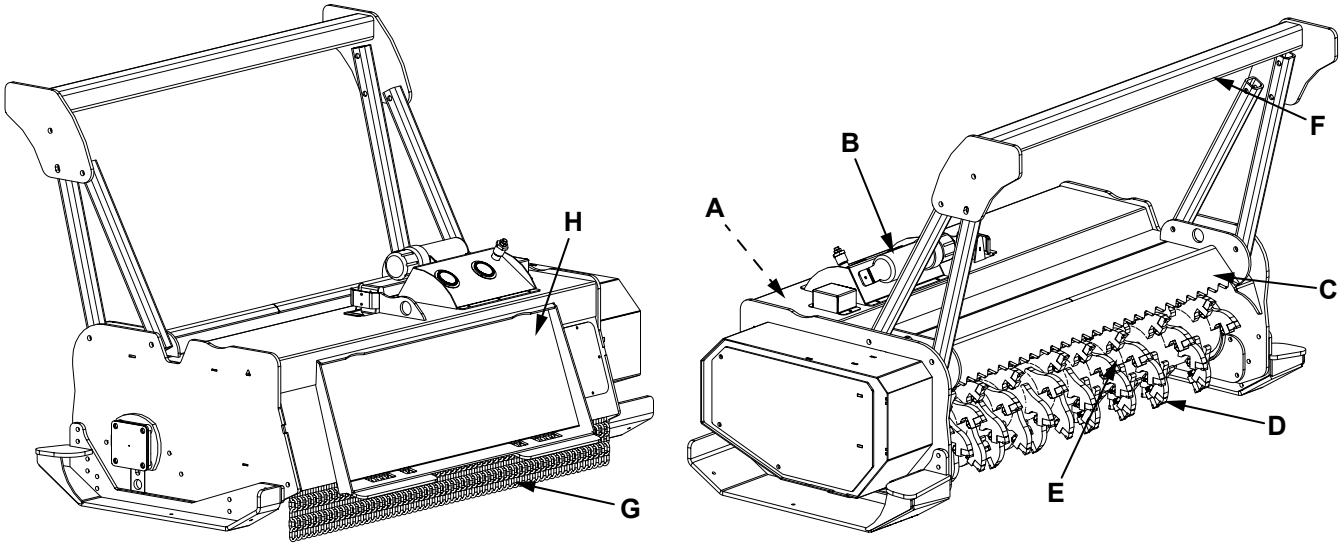
5.3 Machine Components

A. Hydraulic Motor B. Operators Manual Storage Tube C. Push Plate D. Cutting Teeth

E. Rotor F. Push Bar G. Debris Guard H. Quick Attach



MS548



MS560 And MS572

5.4 Attach To Skid Steer

⚠ WARNING

To prevent injury or machine damage put transmission in "Park".

Never position yourself between skid steer and brush mulcher.

Only experienced and properly trained operator's should operate the skid steer and brush mulcher.

1. Read and follow all safety instructions.
2. Attach mulcher to skid steer. See skid steer Operator's Manual.
3. Verify pins are secure in the correct position.
4. Connect hydraulic hoses. Verify hydraulic hoses are clear of pinch areas and moving parts.
5. Move to a clear open area to test functions.

5.5 Detach From Skid Steer

⚠ WARNING

Prevent serious injury or death caused by unexpected movement:

1. **Park skid steer on a level surface.**
2. **Engage skid steer park brake.**
3. **Disconnect hydraulic drive.**
4. **Shut off engine and remove key.**

1. Park skid steer on a level surface.
2. Lower mulcher to the ground.
3. Shut off engine and remove key.
4. Disconnect hydraulic hoses.
5. Detach mulcher from skid steer. See skid steer Operator's Manual.

5.6 Transporting

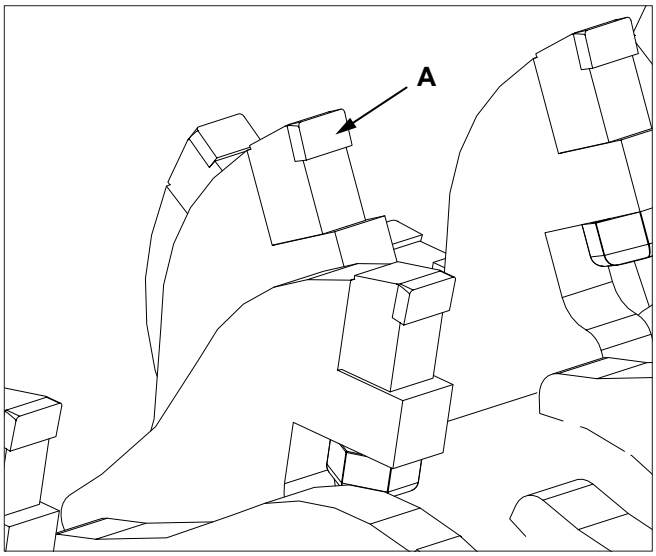
1. Verify all reflectors and Slow Moving Vehicle (SMV) sign are visible.
2. Raise brush mulcher slightly off ground.
3. Verify hydraulics are disengaged.
4. Travel at a reasonable and safe speed.

⚠ WARNING

To prevent bodily injury from rotating rotor, be sure to disengage hydraulics before transporting mulcher.

5.7 Carbide Teeth Break-In

During the first few hours of use, avoid hitting stones as much as possible to allow the carbide teeth (A) to wear slightly. This can be done by keeping the rotor above ground level. Brand new carbide tips are razor sharp and can chip and shatter easily when they hit hard objects. Once the razor sharpness has worn away, the tips do not chip as easily. Observing these precautions will extend the life of the carbide teeth and reduce operating expenses.



5.8 First Time User Tips

- First, operate all functions in a clear area with skid steer at idle speed to get a good feel for the controls before you actually move into any brush.
- Choose low density brush and move into it slowly, do not expect to get the first area done fast.
- Slow travel speed if pressure surges up close to max psi, doing this will greatly reduce rotor jams, and with practice, will almost eliminate jams.
- Run throttle only at half speed for first time users.
- Operate with mulcher slightly raised until you have a better feel how much the unit can take.
- The machine is equipped with a push plate and a push bar to push brush or small trees over. This will allow the mulcher teeth to contact the lower portion of the brush and mulch it or cut it off. The rest of the plant will be mulched as the machine moves through the working area.
- For tall brush, you can use the push plate and push bar to push the brush over and cut it off close to ground. Each operator must experiment to find a technique that works for them in their application.
- Although it is best to mulch when it is dry, the machine works well in wet conditions. However, you must travel slower to do the same quality mulching. It will also be necessary to clean the machine more frequently to prevent caking and clogging of the rotor area.

⚠ WARNING

Always turn off the skid steer and disengage hydraulic drive before getting off the seat and approaching the rotor.

⚠ 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.

⚠ WARNING

Wear an approved dust mask or respirator.

Follow local, state and federal regulations.

5.9 Field Operation

WARNING

Prevent serious injury or death caused by unexpected movement:

1. **Park skid steer on a level surface.**
2. **Engage skid steer park brake.**
3. **Disengage hydraulic drive.**
4. **Shut off engine and remove key.**

WARNING

Never operate brush mulcher when other people are in the vicinity.

Do not allow riders on skid steer.

WARNING

Never operate brush mulcher when other people are in the vicinity. Debris can be thrown several feet from cutting area. Keep all shields in place.

Never approach brush mulcher before rotor has come to a complete stop.

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.

WARNING

Wear an approved dust mask or respirator.

Follow local, state and federal regulations.

1. Attach brush mulcher to skid steer. See Attach Brush Mulcher To Skid Steer in this section.

WARNING

Prevent serious injury or death.

Operating unit must be equipped with a forestry guard to protect the operator.

2. Lower mulcher so skid plates are on ground.
3. Set engine speed to low idle and engage mulcher.
4. Slowly increase engine speed to high idle. Verify mulcher is operating smoothly and start travel.
5. If mulcher stalls, stop movement, slightly raise mulcher and allow rotor to regain speed. Slow ground speed to prevent further stalling.

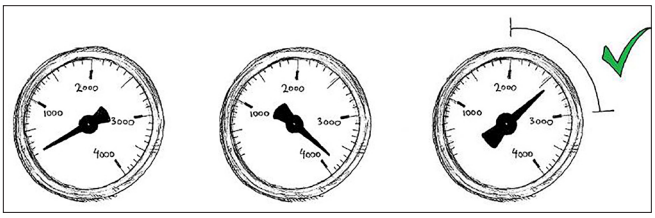
WARNING

Moving parts can crush and cut.

Keep clear of moving components.

Lockout operating unit before clearing jams.

6. Monitor pressure gauge closely during startup and throughout the cutting process.



When first starting the rotor, hydraulic pressure on gauge will jump from zero to maximum as the motor works to speed up the rotor. It can take up to thirty seconds for the rotor to reach operational speed. Do not attempt to use the mulcher before operational speed is reached. The spinning momentum of the rotor provides the cutting power.

As operational speed is reached, pressure will drop to 2000 - 3000 psi. Monitor pressure gauge during operation. Maximum cutting performance is with hydraulic pressure between 2000 - 3000 psi.

5.10 Clearing Jams

If the rotor stalls, stop rotor motion, raise slightly and try again.

1. If still stalled, lower unit so teeth tips dig slightly into sod, a log or stump.
2. Reverse hydraulic flow to mulcher. Reversing the flow does not power the rotor in the reverse direction, it only opens the hydraulic lock on the rotor. The rotor will not be powered in the reverse direction.
3. Drag the rotor across sod, a log or stump in reverse direction to dislodge the jam.

WARNING

Always turn off the skid steer and disengage hydraulic drive before getting off the seat and approaching the rotor.







6 SERVICE AND MAINTENANCE

6.1 Maintenance

Maintenance Chart		
General Inspection	Inspect the unit for any buildup of contamination (dirt, stones, etc.).	Daily
Cutting Teeth	Check and replace one at a time as necessary. With daily use expect to replace 4 to 6 teeth per day. See Replace Cutting Teeth in this section.	Every 4 hours.
Drive Belt	Check belt tension, alignment and inspect belt for wear or damage. Replace damaged or worn belt.	Every week.
Rotor Bearings	Check bearings for side-to-side and up/down movement. Replace bearings if movement is found.	Every week.
Rotor Bearings	Lubricate rotor bearings.	Every 500-1000 hours.

We design many of our products using industry-standard parts that are widely available from local supply stores.

Many replacement parts such as bearings, belts, seals, touch-up paint and cutting teeth can often be found through local suppliers, not just from Baumalight.



6.2 Inspections

WARNING

Prevent serious injury or death caused by unexpected movement:

1. **Park skid steer on a level surface.**
2. **Engage skid steer park brake.**
3. **Disengage hydraulic drive.**
4. **Shut off engine and remove key.**

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.

WARNING

Wear an approved dust mask or respirator.

Follow local, state and federal regulations.

Inspect the unit for any buildup of contamination (dirt, stones, etc.).

Check cutting teeth every 4 hours of use. Keep cutting teeth in good condition. Unit will cut faster and remaining teeth will last longer if broken teeth are replaced.

6.3 Check Belt Tension

Note: *The MS548 and MS560 are shown in this procedure. The procedure for the MS572 is the same as the MS560.*

1. Lower mulcher to ground.
2. Set parking brake, stop engine and remove key.

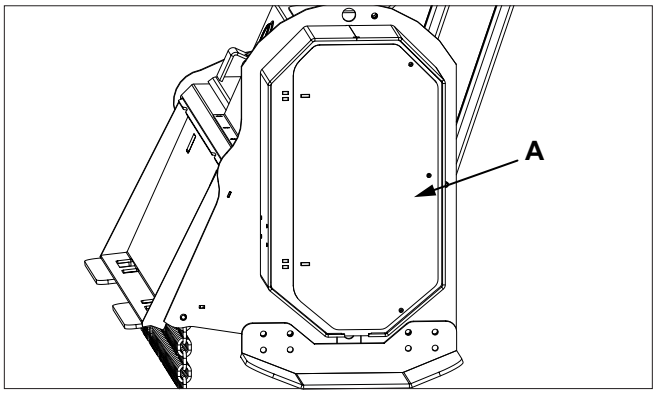
WARNING

Moving parts can crush and cut.

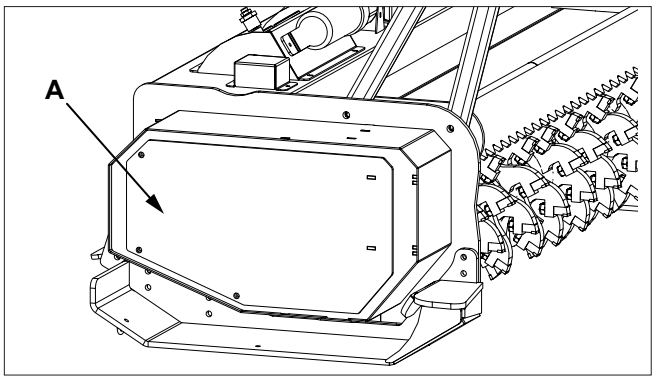
Keep clear of moving components.

Follow lockout procedure before servicing.

3. Open inspection cover (A).



MS548

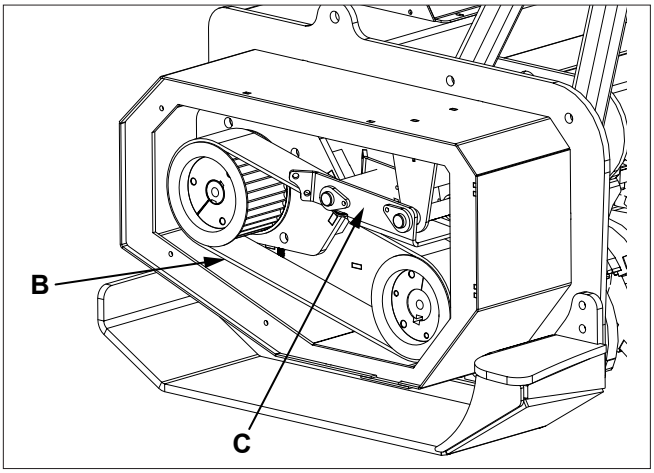


MS560 and MS572

4. Inspect belt (B) for wear, damage, alignment and proper tension.

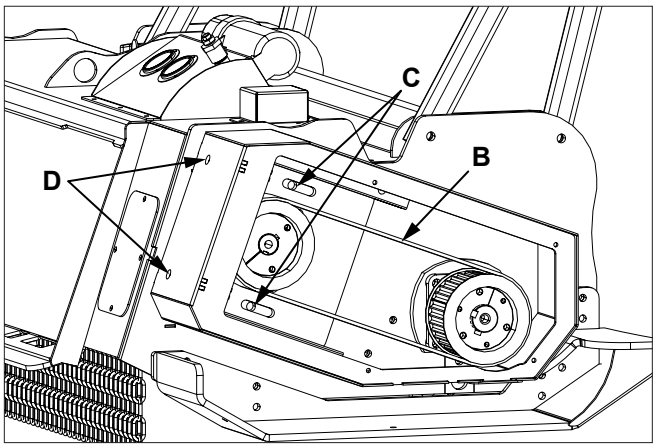
Mulchers Equipped With Belt Idler

1. Adjust Idler (C) to set belt tension.
2. Belt deflection should be 0.5 in. (13 mm) at 3.0 lbs of force for a used belt or 4.25 lbs of force for a new belt. Check belt deflection midway between the pulleys.



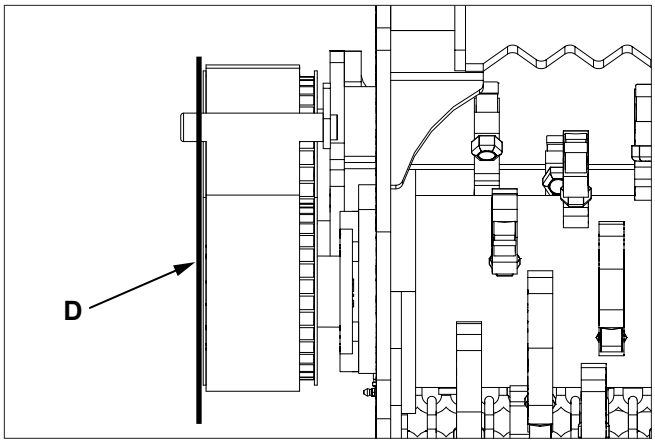
Mulchers Equipped With Sliding Adjustment

1. Loosen mounting bolts (C).
2. Turn bolts (D) to adjust belt tension.
3. Belt deflection should be 0.5 in. (13 mm) at 3.0 lbs of force for a used belt or 4.25 lbs of force for a new belt.
4. Tighten mounting bolts (C).



All Mulchers

1. Place a straight edge (D) on drive pulley and rotor pulley. Pulleys must be aligned or belt will wear quickly. Adjust pulleys if necessary.
2. Close inspection cover (A). Do not operate mulcher with cover (A) open or removed.
3. Test operation. It may be necessary to adjust idler turnbuckles so belt tracks in the center of the pulleys.



6.4 Replace Belt

Note: *The MS560 is shown in this procedure. The procedure is the same for the MS548 and MS572.*

1. Lower mulcher to ground.
2. Set parking brake, stop engine and remove key.

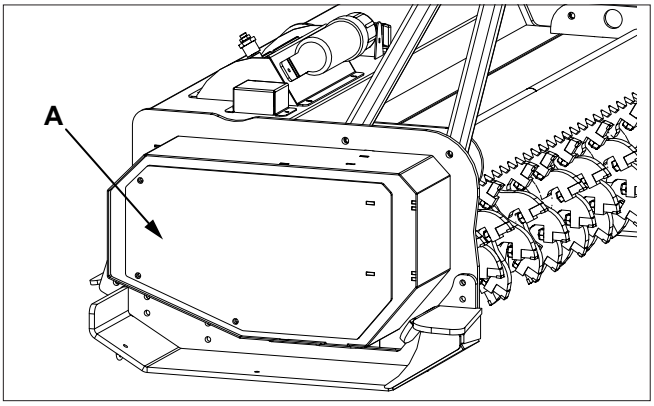
⚠ WARNING

Moving parts can crush and cut.

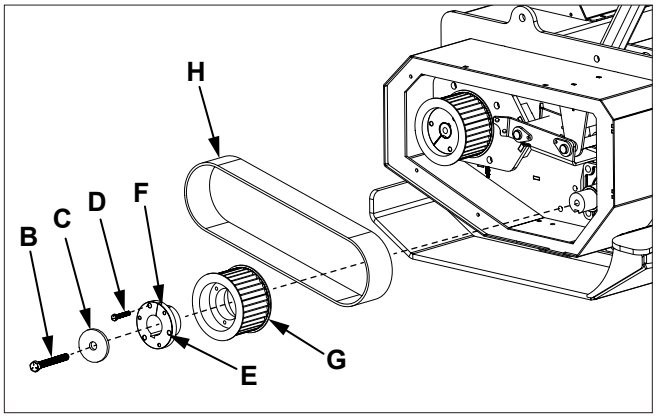
Keep clear of moving components.

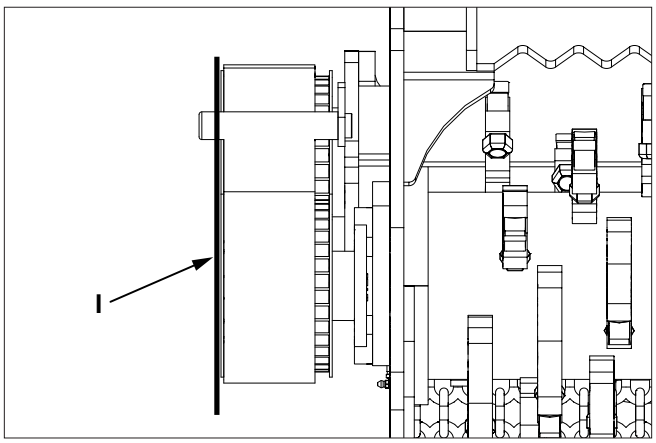
Follow lockout procedure before servicing.

3. Open inspection cover (A).



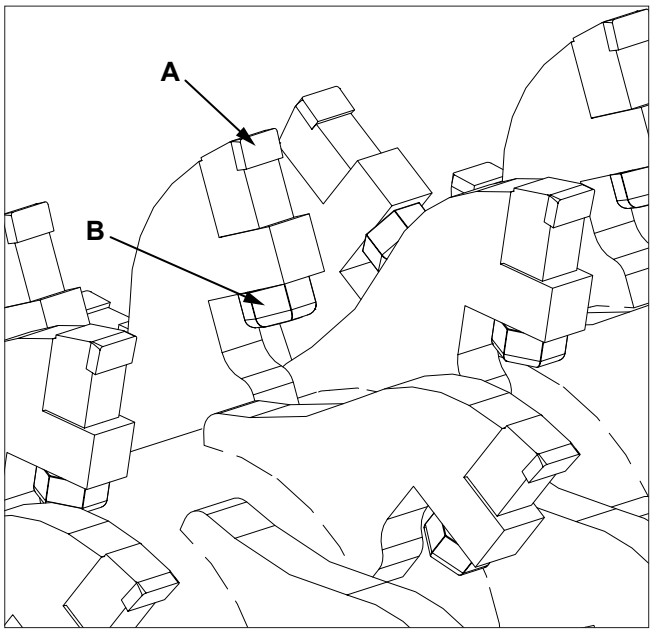
4. Loosen belt idler or sliding adjustment.
5. Remove shaft pulley bolt (B) and washer (C).
6. Remove three hub bolts (D). Place hub bolts into threaded holes (E) in hub (F).
7. Evenly tighten bolts to push pulley (G) off of hub (F).
8. Remove hub (F), pulley (G) and belt (H). It may be necessary to lightly tap hub if hub stuck to shaft.
9. Install belt, pulley and hub onto shaft.
10. Install washer (C) and shaft bolt (B). Tighten bolt.
11. Align pulley holes with non threaded holes in hub (F) and install bolts (D).
12. Place a straight edge (I) on drive pulley and rotor pulley. Pulleys must be aligned or belt will wear quickly. Adjust pulley alignment as necessary and tighten bolts (D).
13. Belt deflection should be 0.5 in. (13 mm) at 4.25 lbs of force.
14. Adjust tension and tighten belt idler bracket.
15. Close inspection cover (A). Do not operate mulcher with cover (A) open or removed.
16. Test operation. It may be necessary to adjust idler turnbuckles so belt tracks in the center of the pulleys.





6.5 Replace Cutting Teeth

1. Park skid steer and mulcher on a level surface.
2. Lower mulcher to the ground.
3. Shut off engine and remove key.
4. Inspect cutting teeth (A) for damage and wear. Replace individual teeth as needed.
5. Remove locknut (B) and tooth (A). Install new tooth.
6. Tighten locknut (B) to 150 lb/ft (204 Nm) of torque.



Note: *Parts breakdown can be found on Baumalight's website. www.baumalight.com*

6.6 Motor Shaft Seal

The mulcher is equipped with a case drain line that is to be routed to the skidsteer hydraulic reservoir.

It is normal for a hydraulic motor to have a slight amount of internal leakage.

The case drain line will allow this internal leakage to be returned to the reservoir, preventing excessive pressure on the motor seal.

f the case drain line is not connected or becomes obstructed, the vented adapter or zero leak relief valve (A) will vent the pressurized hydraulic fluid to the atmosphere. The zero leak relief valve will self reset after hydraulic pressure reduced.

⚠ WARNING

Pressurized fluids can penetrate the skin.

Keep bystanders away from machine during operation.

A tiny, almost invisible leak can penetrate the skin, thereby requiring immediate medical attention.

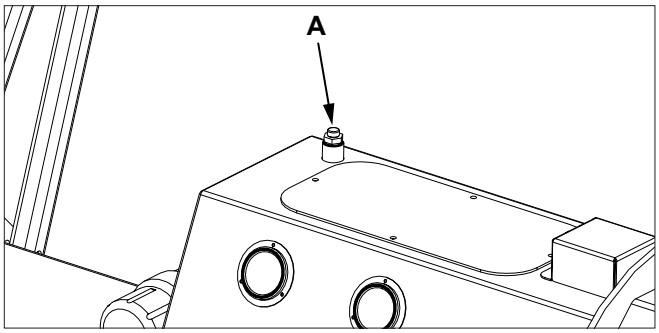
If hydraulic fluid is coming out of the vented adapter or zero leak relief valve, shut down machine immediately. Inspect the case drain line connection and lines. Contact your dealer if case drain lines and connection are good.

NOTICE

Environmental hazard.

Clean up any spilled hydraulic fluid immediately.

A properly installed case drain protected by a zero leak relief valve will save the work of replacing the motor shaft seal and also improve the efficiency of your hydraulic system.



6.7 Lubricate Rotor Bearings

Note: *The MS560 is illustrated, the MS572 and MS548 are similar.*

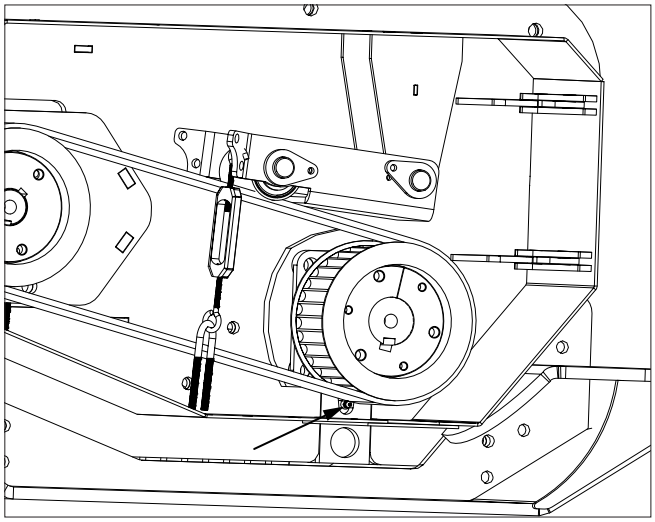
The bearings are factory lubricated with a lithium or lithium complex base grease which is suitable for most applications. Select a grease that is compatible with a lithium or lithium complex grease.

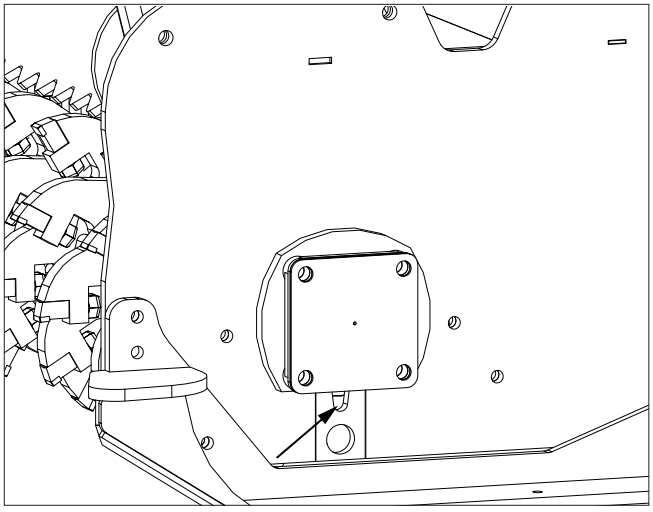
The bearings should contain as much grease as speed will permit. A full bearing with consequent slight leakage through the seal is the best protection against contaminant entry.

Extreme situations may require a change in lubricating periods as dictated by experience.

Generally, a lower quantity of grease at frequent intervals is more effective than a greater quantity at extended lubrication intervals.

Typical lubrication quantity is 1 pump from a standard grease gun every 500-1000 hours of use.





In the higher speed ranges, too much grease will cause overheating. The amount of grease that the bearing will take for a particular high speed application can be determined only by experience.

If excess grease in the bearing caused overheating, it will be necessary to remove grease fitting to permit excess grease to escape.

7 TROUBLESHOOTING

PROBLEM	CHECK	SOLUTION
Rotor does not spin.	Check drive belt.	Replace belt if damaged or broken.
	Rotor jammed.	Remove material from rotor. See Clearing Jams.
	Low oil level.	Check oil level in skid steer. Add if necessary.
	Low oil flow.	Check flow control on skid steer. See your dealer.
	Can drum be turned by hand with the hydraulics disconnected?	If yes, check for a stuck relief valve. If no, loosen belt to determine if the rotor is stuck or the motor or over hung load adaptor are stuck. If the motor or overhung load adaptor is stuck, remove and determine cause of problem.
Rotor rotates slow or sluggish.	Low oil.	Check oil level in skid steer. Add if necessary.
	Oil filter plugged.	Replace skid steer oil filter.
	Relief valve not set properly.	Set relief pressure 2500 - 3500 psi.
	Low oil flow.	Check flow control on skid steer. See your dealer.
	Dive belt loose.	Tighten drive belt.
Excessive vibration.	Cutting teeth worn or missing.	Replace worn, broken or missing teeth.
	Debris lodged in rotor.	Remove debris.
Hydraulic fluid coming out of vented adapter or zero leak relief valve (if equipped).	Case drain connector for proper connection and line for obstructions or pinched line.	Connect case drain line if not connected. Replace line if damage, obstructed or pinched.
	Combo coupler seals on skid steer.	Combo coupler seals may be leaking, allowing pressurized fluid to escape to the case drain line.

8 STORAGE

8.1 Storing Mulcher

1. Store mulcher in a dry place.
2. Clean mulcher thoroughly. Dirt and wood chips will draw moisture and cause rust.
3. Check condition of cutting teeth. Replace as necessary. (See Service and Maintenance section.)
4. Check for loose or missing hardware.
5. Paint parts as necessary.

8.2 Remove From Storage

1. Review Operator's manual and check adjustments.
2. If parts have been replaced, verify they run properly.

9 WARRANTY

To view the warranty, scan the QR Code below, or go to Baumalight.com. From the Support drop down, click on Support, then select Brush Mulchers. Select Product Warranty.

For parts, specifications and the latest machine information please visit our website.

www.baumalight.com

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