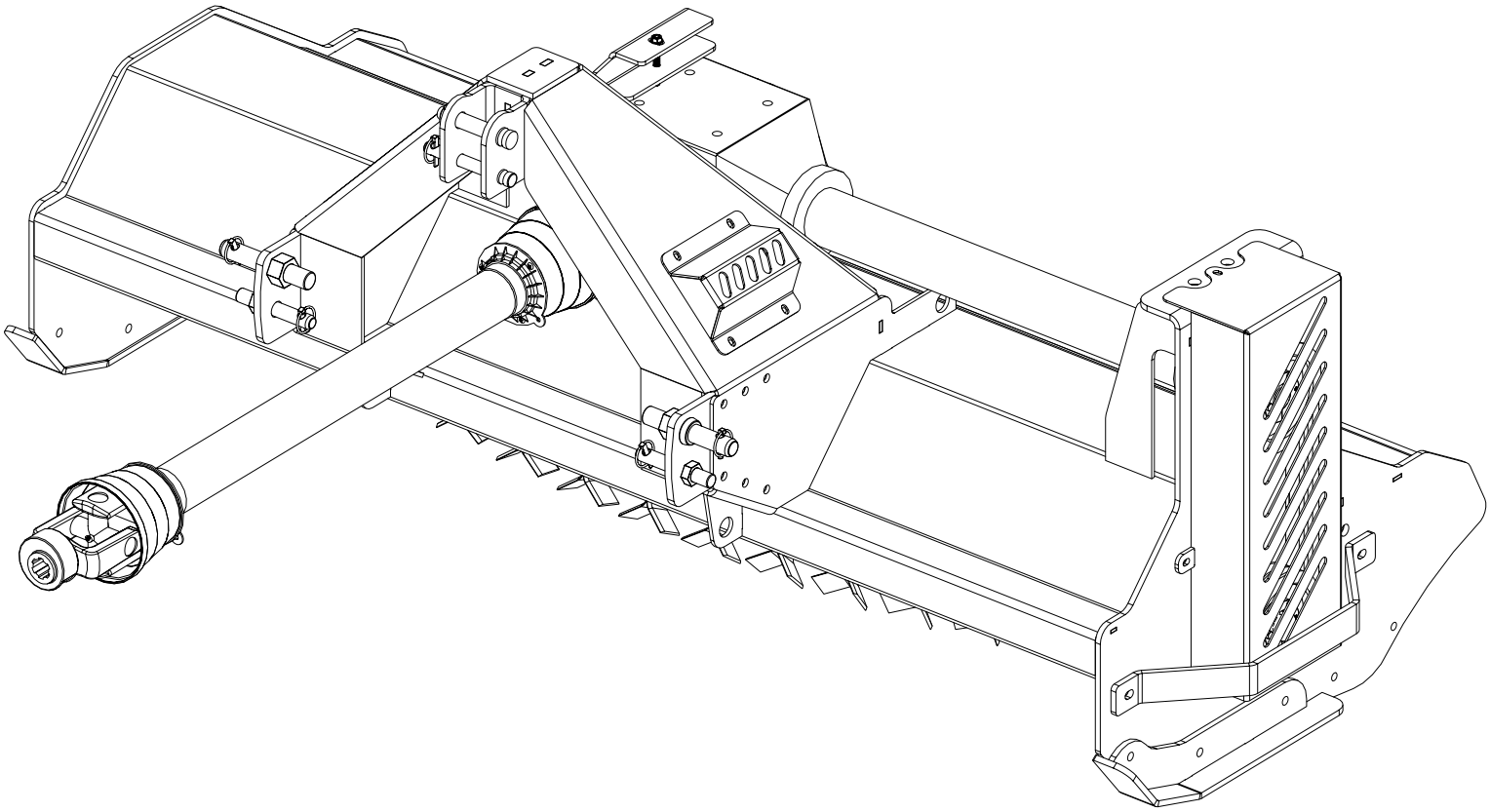
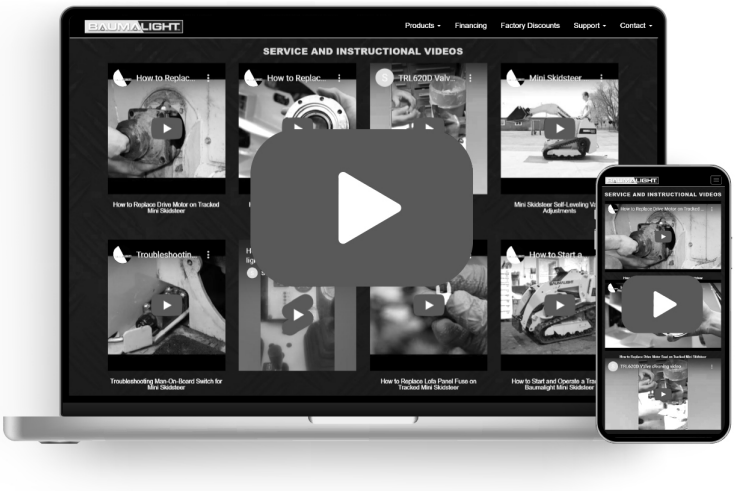


BAUMALIGHT™

# FMP780 Flail Mower

## 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 flail mower. 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 |
|---|---|---|---|
| 290 | Belt Assembly | Belt Assembly Installation. | Video |
| 241 | PTO Shaft | Determining PTO Shaft Length. | Video |
| 227 | Slip Clutch Information | Burnt Clutch. | Document |
| 156 | Replacing Bearing | Replacing Rotor Bearing. | Video |
| 115 | Excessive Vibration | Troubleshooting. | Video |
| 468 | Communicating Measurements. | Why Not To Send Pictures Of Measuring Tapes To Communicate Measurements. | Video |
| 442 | Belt Assembly. | Belt Assembly Installation. | Video |
| 407 | Drive Side Bearing Replacement. | Replace Bearing - Drive Side. | Document |
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# 1 INTRODUCTION

## 1.1 Overview

Congratulations on your choice of a Baumalight Flail Mower. This equipment has been designed and manufactured to meet the needs of a discriminating buyer.

The cutting wheel is powered by the PTO on your tractor.

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

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

This manual covers the Baumalight FMP780 Flail Mower. 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 tractor driver's seat and facing in the direction of travel.

## 1.2 Intended Use And Foreseeable Misuse

The flail mower is designed to be used by experienced operators, trained in the safe operation of a tractor and trained in the hazards related to using the flail mower and the safe use of the flail mower 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 flail mower will not come across metallic objects, stones or other materials.

Flail mower 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 the flail mower.**

**Always stop engine and remove key before leaving operators seat.**

**Never allow anyone near the flail mower 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 flail mower 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 flail mower is attached to tractor 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 flail mower.
- NEVER use flail mower as a work platform.
- NEVER allow passengers on flail mower.

## 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 Flail Mower Safely

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

## Raised Attachment

**⚠ WARNING**

**Crushing hazard.**

**Raised, unsupported flail mower can fall, resulting in death or serious injury.**

**Never enter the area under a raised flail mower.**

A raised flail mower can lower unexpectedly, resulting in death or serious injury.

NEVER enter area under a raised flail mower.

Lower flail mower 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 flail mower. Altering the equipment may cause unsafe conditions and may void the manufacturer's warranty.

## Stay Clear Of Rotating Drive Lines

**⚠ WARNING**

**Entanglement in a rotating drive line can cause serious injury or death.**

**Keep tractor shields and drive line shields in place at all times. DO NOT operate without drive line guards.**

**DO NOT wear loose fitting clothing.**

## Avoid Wood Dust Inhalation

**⚠ WARNING**

**Wear an approved respirator (N95 Type as a minimum).**

**Follow local, state and federal regulations.**

The health effects from exposure to wood dust are due to chemicals in the wood or chemical substances in the wood created by bacteria, fungi, or molds.

## 2.3 Maintenance Hazards

### Maintenance

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 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**

**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**

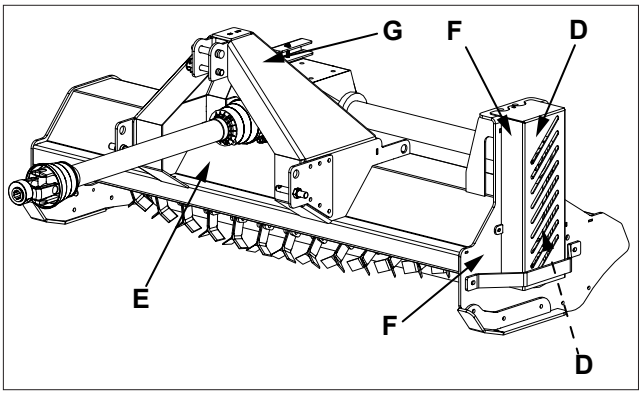
**Entanglement hazard.**

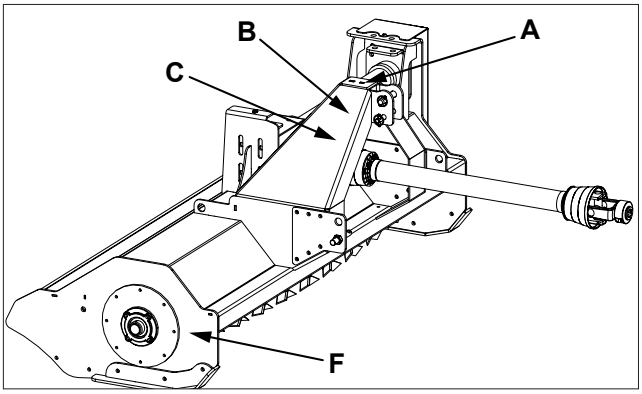
**Keep clear of moving components.**

**Wear proper protective equipment appropriate for the job.**

# 3 SAFETY SIGNS

Dashed line indicates item hidden from view unless cover is removed.



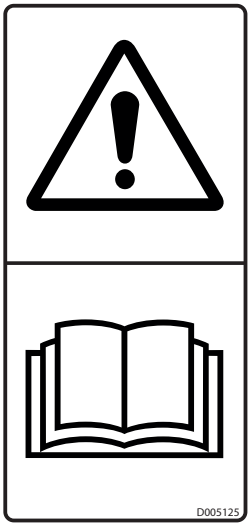




A. D005262 ⚠ WARNING - P65 warning information.

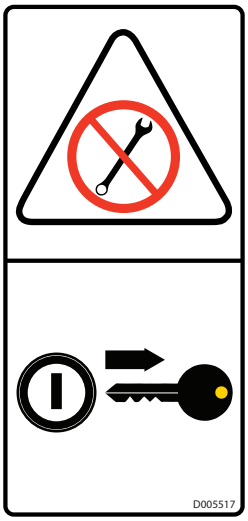
**WARNING:** This product can expose you to chemicals including 1,3-Butadiene and lead, which are known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

D005262

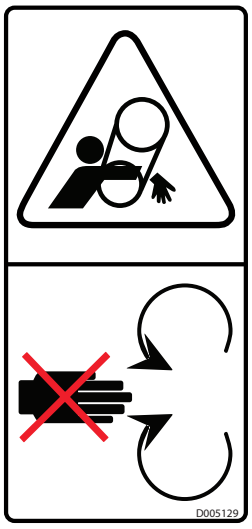
B. D005125 ⚠ WARNING - Read and understand safety signs on the machine and operating instructions in this manual before operating machine.



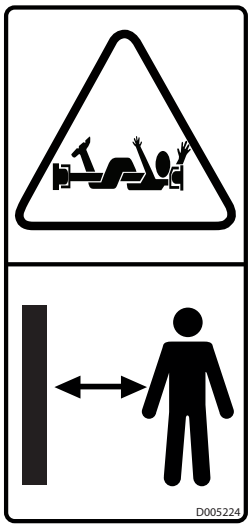

C. D005517 ⚠ WARNING - Remove key before servicing.



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




E. D005224 ⚠ WARNING - Rotating driveline hazard. 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.




G. D005335 ⚠ WARNING - Wear personal protective equipment appropriate for the job.



# 4 OPERATION

## 4.1 Preparation For Use

**⚠ WARNING**

**Wear an approved respirator (N95 Type as a minimum).**

**Follow local, state and federal regulations.**

**The health effects from exposure to wood dust are due to chemicals in the wood or chemical substances in the wood created by bacteria, fungi, or molds.**

Although the flail mower 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 tractor 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 tractor 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.*

## 4.2 Electrical Connections (If Equipped)

1. Connect electrical harness to connector on Flail Mower.

## 4.3 Driveline Dimension

A PTO driveline is supplied with the machine. To accompany the variety of 3 point hitch geometry available today, the driveline can be too long for most machines or too short for others. It is very important that the driveline be free to telescope but not to bottom out when going through its working range. If the driveline bottoms out, the bearings on both the machine and tractor PTO shaft will be overloaded and fail in a short time.

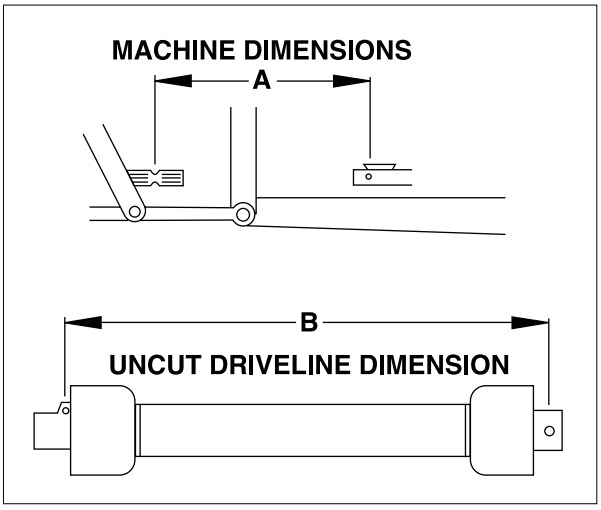
1. To determine the proper length of the driveline, follow this procedure:
   a. Clear the area of all bystanders.
   b. Attach flail mower to tractor (see section 4.5) but do not attach driveline.
   c. Raise flail mower until the input shaft is level with tractor PTO shaft.
   d. Measure dimension between locking grooves on tractor PTO shaft and machine input shaft.
   e. Measure the same dimensions on the compressed driveline.
   f. If compressed driveline dimension exceeds the machine dimension, driveline will have to be cut.
2. When cutting the driveline, follow this procedure:
   a. Subtract machine dimension (A) from uncut driveline dimension (B) or (B-A). This dimension determines how much too long the driveline is.
   b. Add another 1 inch (25 mm) to the dimension to be sure it doesn't bottom out, to determine (C) the cut off dimension.

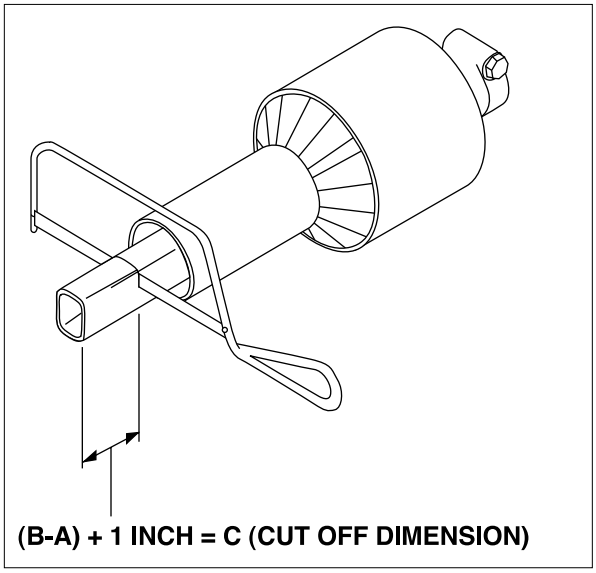
c. Use a hacksaw to cut dimension (C) from both ends. Cut both plastic tubes and metal cores.

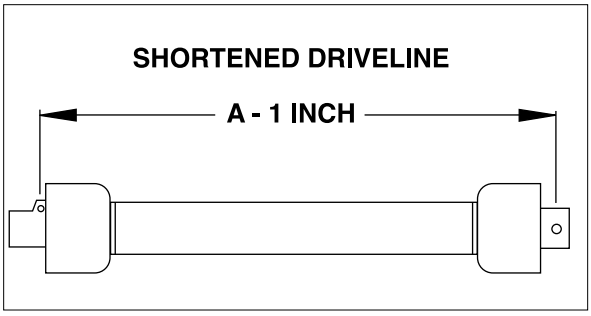
d. Use a file to remove burrs from edges that were cut.

e. Assemble the 2 ends of the shaft.

f. Make sure shaft can telescope freely. If it does not, separate the 2 parts and inspect for burrs or cuttings on shaft ends. Be sure it telescopes freely before installing.



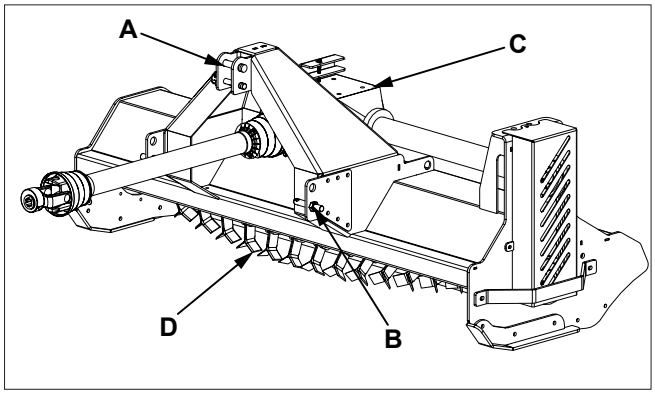



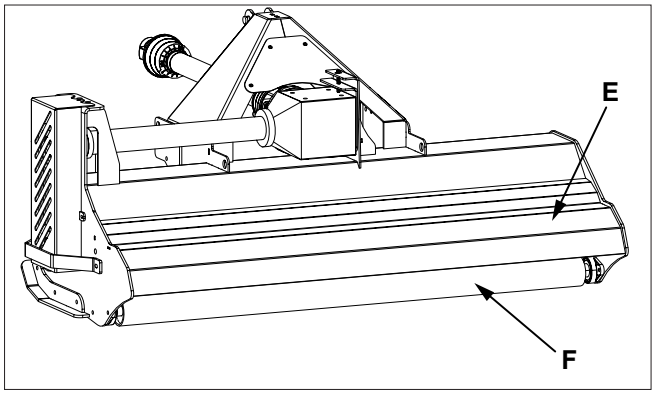



## 4.4 Pre-Operation Check List

| Check-mark | Check these items: | Frequency |
|---|---|---|
| | Check the three lynch pins on the hitch to verify they are securely fastened. | Each operation. |
| | Verify the pins on each end of the drive shaft are secured. | Each operation. |
| | Verify the safety chains on the drive shaft are securely attached to the cover. | Each operation. |
| | Verify the cutting tips on the rotor are tight. | Every 4 hours. |
| | Check belt chamber. | Every 4 hours. |
| | Check the oil in the flail mower's gearbox. For type and quantity refer to the maintenance section. | Every 200 hours. |

## 4.5 Machine Components

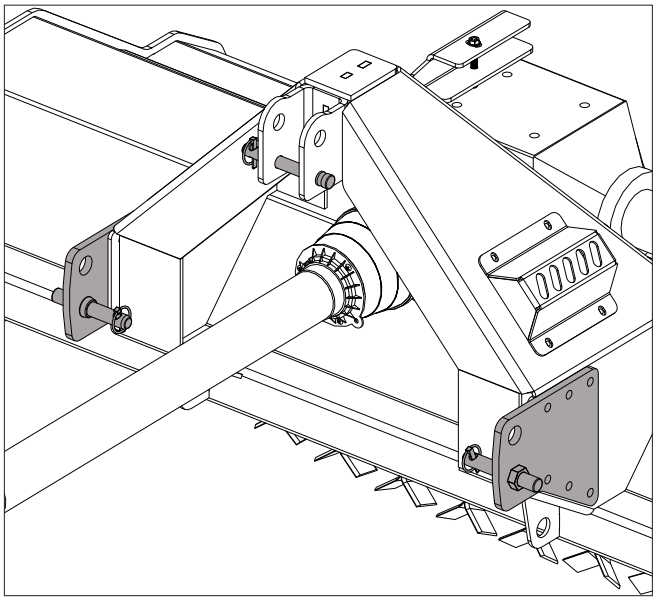


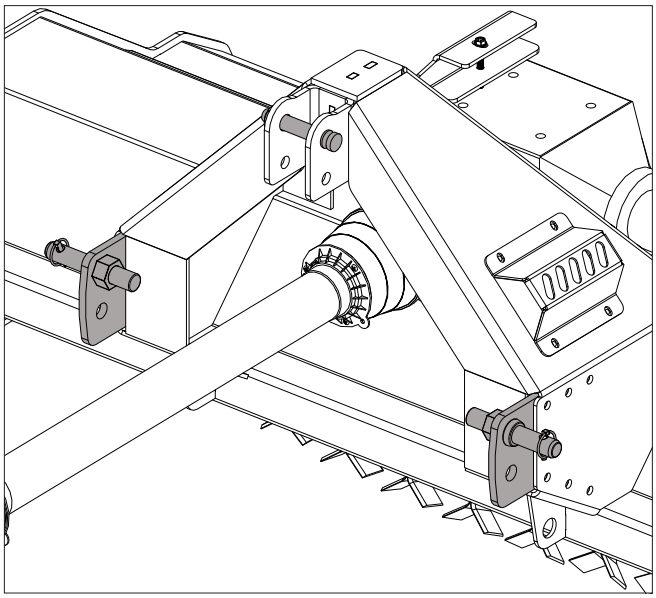

A. 3-Point Top Link
B. 3-Point Lift Points
C. Gear Box
D. Cutting Teeth
E. Debris Guard
F. Depth Roller

## 4.6 Configure Hitch Pins

Flail mower can be configured for a CAT 1 or a CAT 2 quick hitch. Position pins and lower mounting plates as shown for each configuration.



*CAT 1*



*CAT 2*

## 4.7 Attach Flail Mower

**⚠ WARNING**

**To prevent injury or machine damage put transmission in "Park" and check the full range of hitch for interference, binding or PTO separation.**

**Never position yourself between tractor and flail mower.**

**Only experienced and properly trained operator's should operate the tractor and flail mower.**

1. Back up tractor to flail mower with hitch points approximately in alignment.
2. Engage tractor park brake and/or place transmission in park.
3. Shut off engine and remove key.
4. Attach lower links to flail mower and retain using lynch pins. To avoid machine damage, verify lynch pins are locked on lower links.
5. Align top link with hole in top of frame and retain with pin and linch pin. Verify linch pin is locked on pin.
6. Pull PTO collar back toward the flail mower. Align splines on tractor PTO shaft and drive line by rotating flail mower drive line. Push drive line onto PTO shaft until it snaps into place.
7. Pull back on drive line to make sure it is locked on shaft.
8. Attach safety shield chain.
9. Adjust top link so that the flail mower lower frame is vertical to the ground.

## 4.8 Detach Flail Mower

**⚠ WARNING**

**Prevent serious injury or death caused by unexpected movement:**

1. **Park tractor on a level surface.**
2. **Engage tractor park brake.**
3. **Disengage PTO.**
4. **Shut off engine and remove key.**

1. Park tractor on a level surface.
2. Lower flail mower to the ground.
3. Shut off engine and remove key.
4. Disconnect drive line safety chain.
5. Support drive line with your hand.
6. Pull collar back toward flail mower and slide off tractor pto shaft.
7. Remove lynch pin and pin.
8. Place top link in storage position.
9. Remove lynch pins and pins from both lower links.

## 4.9 Transporting

1. Verify all reflectors and Slow Moving Vehicle (SMV) sign are visible.
2. Raise flail mower to fully raised position.
3. Verify tractor PTO is disengaged.
4. Travel at a reaonable and safe speed.

**⚠ WARNING**

**To prevent bodily injury from rotating rotor, be sure to disengage PTO before transporting flail mower.**

## 4.10 First Time User Tips

- First, operate all functions in a clear area with the tractor 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. Doing this will greatly reduce rotor jambs, and with practice, will almost eliminate jambs.
- Run throttle only at half speed for starters, this will ensure that you do not activate the slip clutch.
- If the slip clutch does activate cool it to normal temperature before resuming operation (with water). A hot clutch will never grip and melts down fast.
- Operate with flail mower slightly raised until you have a better feel how much the unit can take.
- Start mulching the top and then lower to the ground. Raise machine, move forward and repeat. 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 tractor and disengage the PTO drive before getting off the seat and approaching the cutting wheel.**

**⚠ WARNING**

**Wear an approved respirator (N95 Type as a minimum).**

**Follow local, state and federal regulations.**

**The health effects from exposure to wood dust are due to chemicals in the wood or chemical substances in the wood created by bacteria, fungi, or molds.**

## 4.11 Field Operation

**⚠ WARNING**

**Entanglement in a rotating drive line can cause serious injury or death.**

**Keep tractor shields and drive line shields in place at all times. DO NOT operate without drive line guards.**

**DO NOT wear loose fitting clothing.**

**⚠ WARNING**

**Prevent serious injury or death caused by unexpected movement:**

1. **Park tractor on a level surface.**
2. **Engage tractor park brake.**
3. **Disengage PTO.**
4. **Shut off engine and remove key.**

**⚠ WARNING**

**Never operate flail mower when other people are in the vicinity. Debris can be thrown several feet from cutting area.**

**Keep all shields in place.**

**Do not allow riders on tractor.**

**⚠ WARNING**

**Clean machine thoroughly before service or maintenance procedures.**

**The health effects from exposure to wood dust are due to chemicals in the wood or chemical substances in the wood created by bacteria, fungi, or molds.**

1. Attach flail mower to tractor. See Attaching Flail Mower To Tractor in this section.

**⚠ WARNING**

**Prevent serious injury or death.**

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

2. Lower flail mower so skid plates are on ground.
3. Set engine speed to low idle and engage flail mower.
4. Slowly increase engine speed to high idle. Verify flail mower is operating smoothly and start travel.
5. If flail mower stalls, stop movement, slightly raise flail mower 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.**

**⚠ WARNING**

**Never approach flail mower before rotor has come to a complete stop.**

# 5 SERVICE AND MAINTENANCE

## 5.1 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 Belts | Check belt tension, alignment and inspect belts for wear or damage. Replace damaged or worn belts. | Every Week. |
| Rotor Bearings | Check bearings for side-to-side and up/down movement. Replace bearings if movement is found. | Every Week. |
| Gearbox Oil | Change gear box oil. Use synthetic 90W gear oil. Capacity is 0.8 qt (0.75 L). | Every 200 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.



## 5.2 Inspections

**⚠ WARNING**

**Prevent serious injury or death caused by unexpected movement:**

1. **Park tractor on a level surface.**
2. **Engage tractor park brake.**
3. **Disengage PTO.**
4. **Shut off engine and remove key.**

**⚠ WARNING**

**Clean machine thoroughly before service or maintenance procedures.**

**The health effects from exposure to wood dust are due to chemicals in the wood or chemical substances in the wood created by bacteria, fungi, or molds.**

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.

## 5.3 Check Belt Tension

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

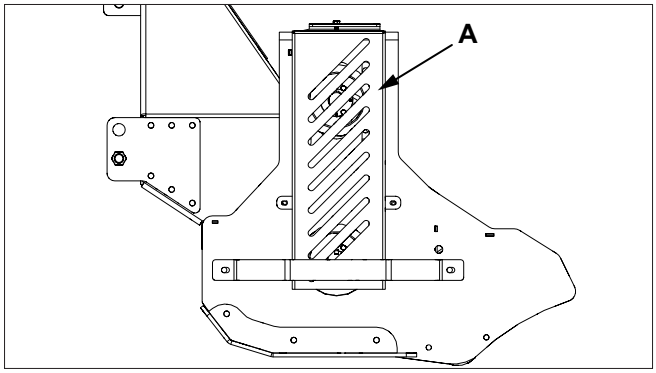
**⚠ WARNING**

**Moving parts can crush and cut.**

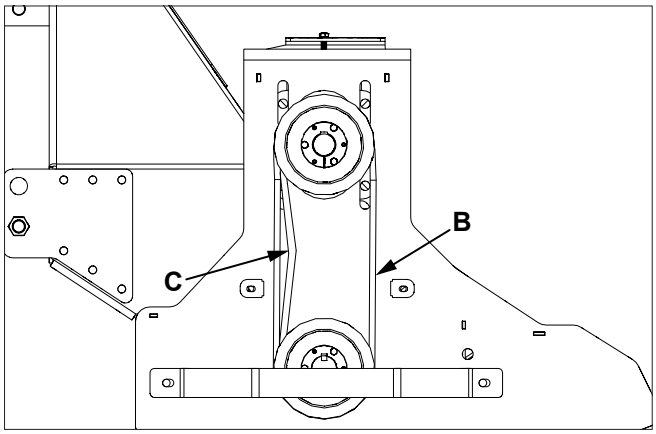
**Keep clear of moving components.**

**Follow lockout procedure before servicing.**

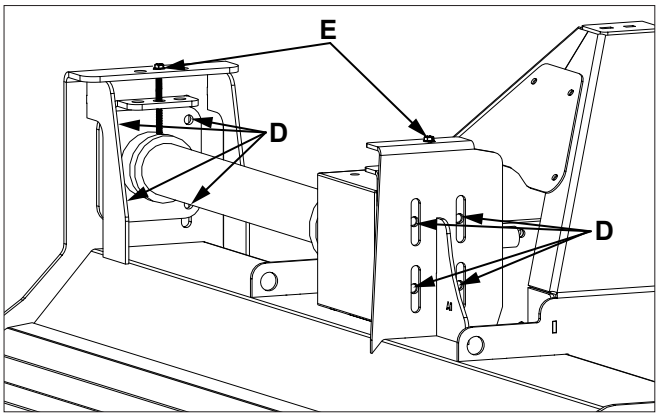
3. Remove cover (A).



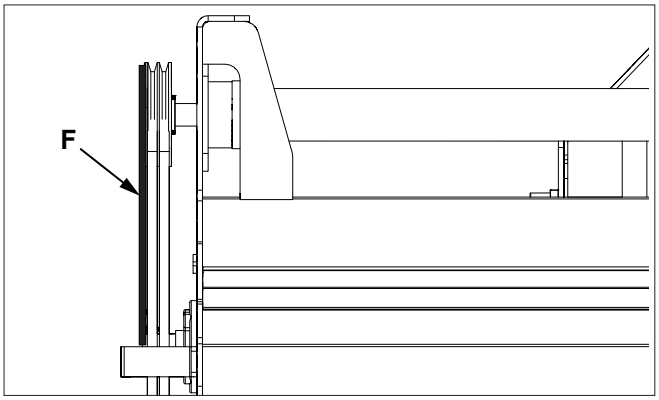

4. Inspect belts (B) for wear, damage, alignment and proper tension.
5. Belt deflection (C) should be 0.5 in. (13 mm) at 3.0 lbs of force for a used belt or 4.25 lbs of force for a new belt.



6. To adjust belt tension, loosen mounting bolts (D).
7. Rotate bolts (E) to adjust belt tension. Rotate bolts (E) equal number of turns so shaft remains straight. Check belt tension and readjust if necessary.




8. Place a straight edge (F) on drive pulley and rotor pulley. Pulleys must be aligned or belts will wear quickly. Adjust pulleys if necessary.




9. Tighten mounting hardware (D) on drive pulley and gearbox.
10. Install cover (A). Do not operate flail mower with cover (A) removed.

## 5.4 Replace Belts

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

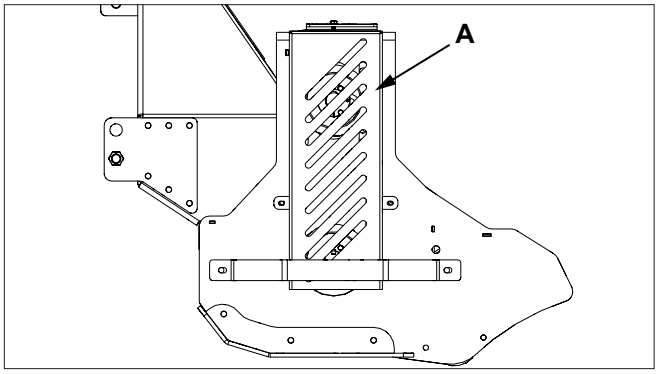
**⚠ WARNING**

**Moving parts can crush and cut.**

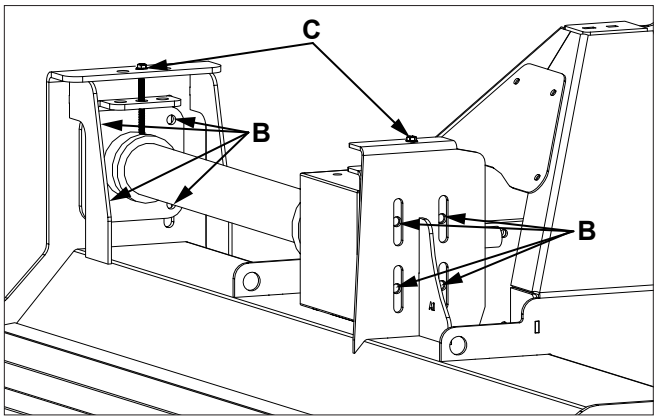
**Keep clear of moving components.**

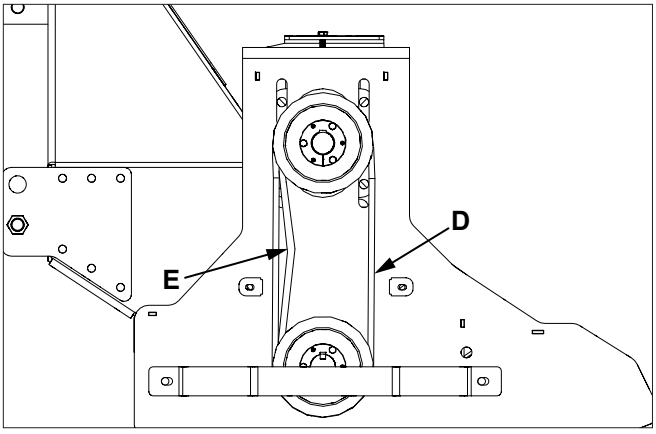
**Follow lockout procedure before servicing.**

3. Remove cover (A).

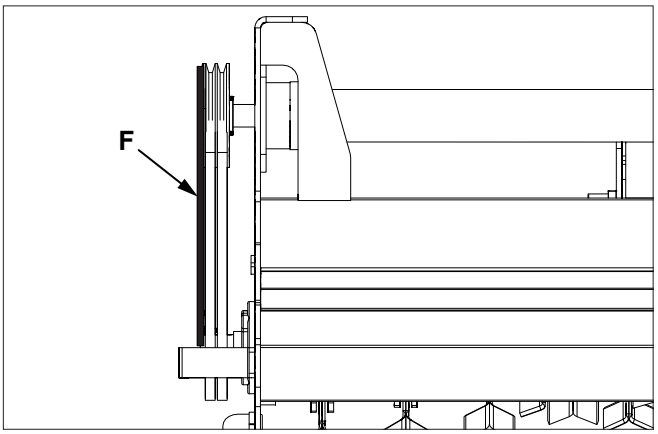



4. Loosen mounting bolts (B). Turn bolts (C) to loosen belt (D).






5. Replace belt (D).
6. Rotate bolts (C) to tension belt. Rotate bolts (C) equal number of turns so shaft remains straight. Check belt tension and readjust if necessary.
7. Belt deflection (E) 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.




8. Place a straight edge (F) on drive pulley and rotor pulley. Pulleys must be aligned or belts will wear quickly. Adjust pulleys if necessary.
9. Tighten mounting bolts (B).
10. Install cover (A). Do not operate flail mower with cover (A) removed.

## 5.5 Adjust Slip Clutch

**⚠ WARNING**

**Entanglement in a rotating drive line can cause serious injury or death.**

**Disconnect and lockout power source before adjusting or servicing.**

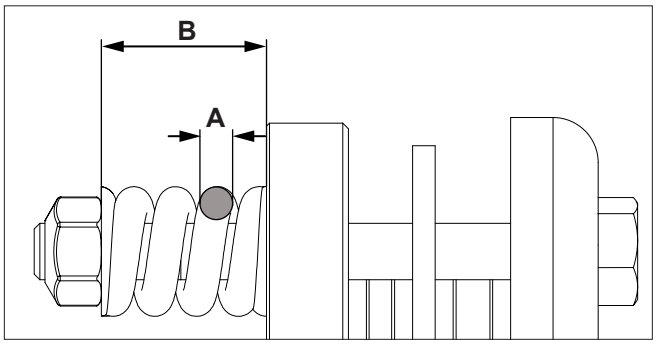
**⚠ CAUTION**

**Slip clutch may be hot. Wait for clutch to cool before adjusting or servicing.**

**Binacchi Drivehafts**

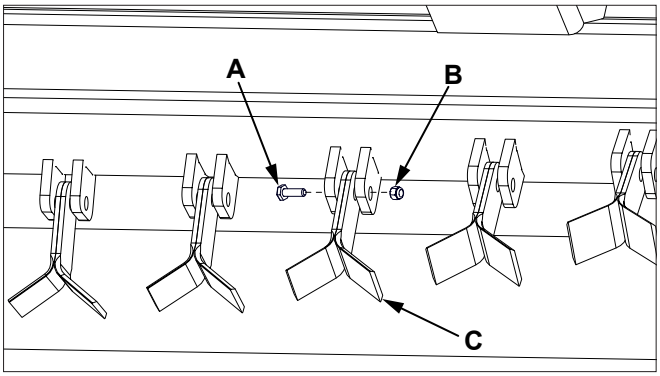
2-Disk 68 Hp 540 rpm

- OEM Part Number
  - B6140EA60255
  - B6N121USA60255
- Dimension A - 0.236 in. (6 mm)
- Dimension B - 1.1 in. (28 mm)



## 5.6 Replace Cutting Teeth

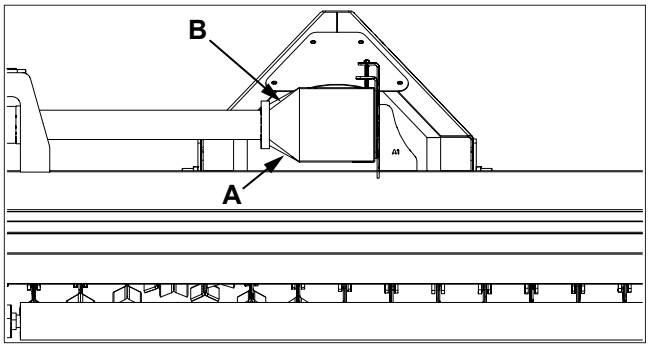
1. Park tractor and flail mower on a level surface.
2. Lower flail mower to the ground.
3. Shut off engine and remove key.
4. Inspect teeth for wear on flat edge.
5. Remove bolt (A} and locknut (B).
6. Remove tooth (C)
7. Install new tooth.
8. Install bolt (A) and locknut (B). Tighten bolt.




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

## 5.7 Change Gearbox Oil

1. Park tractor and flail mower on a level surface.
2. Lower flail mower to the ground.
3. Shut off engine and remove key.
4. Remove plug (A) to drain oil. Dispose of used oil in an environmentally safe manner.
5. Install plug (A).
6. Remove plug (B) and add synthetic 90W gear oil through hole. Oil capacity is 0.85 qt (0.8 L).
7. Install plug (B).




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

## 5.8 Lubricate Rotor Bearings

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 250 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.

# 6 TROUBLESHOOTING

| PROBLEM | CHECK | SOLUTION |
|---|---|---|
| Rotor does not spin. | Rotor jammed. | Remove material from rotor. |
| | Verify PTO drive line is connected properly. | Connect drive line to tractor. |
| | Slip clutch is slipping. | Remove material from rotor. |
| Rotor rotates slow or sluggish. | Drive belt loose. | Tighten drive belt. |
| | Slip clutch is slipping. | 1. Check to determine if the slip clutch is hot. Use Caution: Clutch can be very hot! A hot clutch does NOT grip.<br>2. Slippage on the clutch occurs if there is more power than the unit is rated for. A bigger tractor can be used if it is idled down. This will decrease the output power of the engine.<br>3. Travel slower to decrease strain on clutch.<br>4. Turn the flow control knob to a lower number (1) to reduce the strain on the slip clutch.<br>Be careful when tightening the tension setting on the slip clutch as this could put excess strain on the gear box. |
| Tractor is not able to lift flail mower. | Tractor is too small. | Use proper size tractor. |
| Excessive vibration. | Cutting teeth worn or missing. | Replace worn, broken or missing teeth. |
| | Debris lodged in rotor. | Remove debris. |

# 7 STORAGE

## 7.1 Storing Flail Mower

1. Store flail mower in a dry place.
2. Clean flail mower 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.
6. Store PTO drive line off the ground.
7. Refer to slip clutch manufacturers manual for storage procedures.

## 7.2 Removing Flail Mower From Storage

1. Review Operator's manual and check adjustments.
2. Check gear box oil level. Add oil as necessary. (See Service and Maintenance section.)
3. If parts have been replaced, verify they run properly.
4. Refer to slip clutch manufacturers manual for startup procedures.

# 8 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 Flail Mowers. Select Product Warranty.

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

**www.baumalight.com**

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