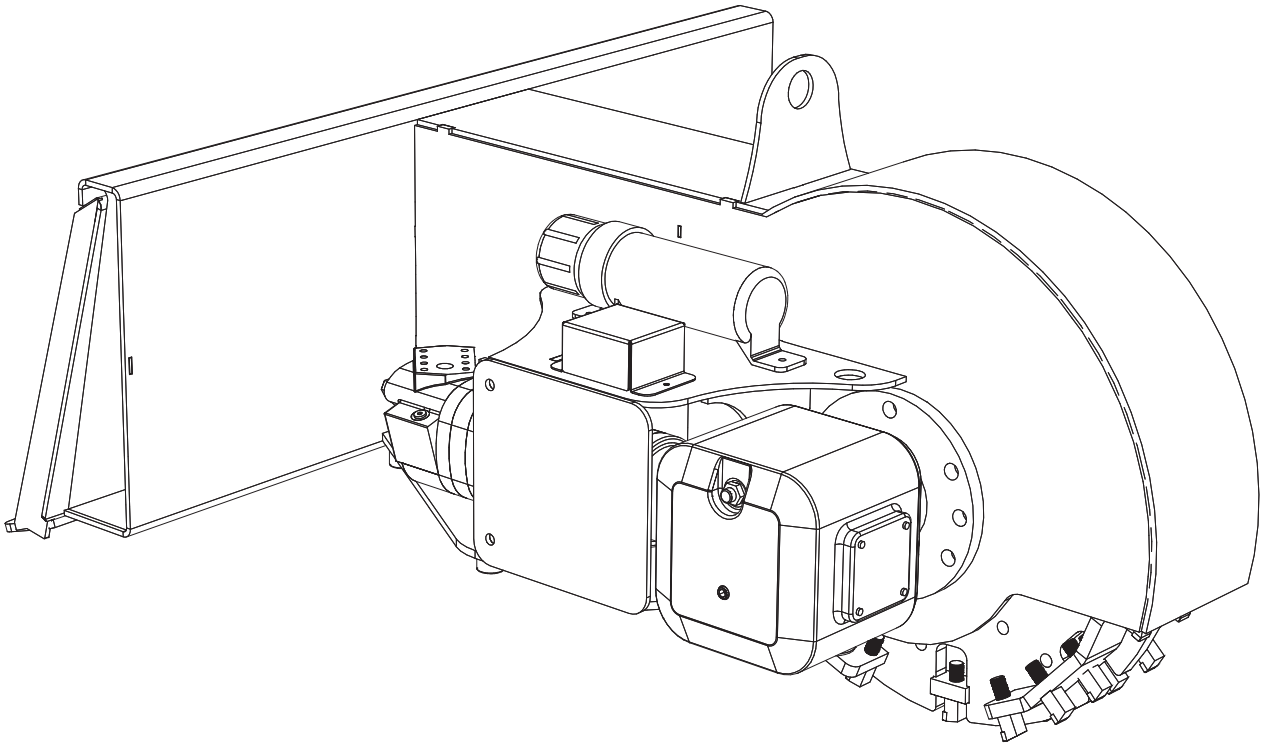
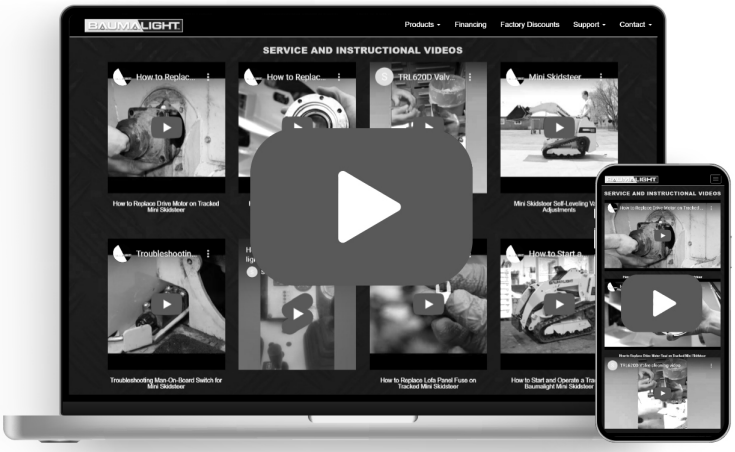


BAUMALIGHT™

HGS50F Stump Grinder

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 stump grinder. 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
318	Hydraulic Motor.	Breaking In Replacement Hydraulic Motor.	Video
389	Replacing Teeth.	When To Replace S1000 Teeth.	Video
281	Skidsteer Case Drain Back-Pressure.	What May Cause Skidsteer Case Drain Back-Pressure.	Video
282	Skidsteer Case Drain Back-Pressure.	Testing Case Drain Back-Pressure With Pressure Gauge.	Video
283	Skidsteer Case Drain Back-Pressure.	Testing Case Drain Back-Pressure With Open Coupler.	Video
193	Chain Coupler.	Replacing Chain On Chain Couplers.	Video
104	Remove Seal.	Remove Seal On Motor Or Load Adapter.	Video
87	Inserting A Pin In A 8 And 14 Pin Connector.	Changing Pins In Aux Receptacle.	Video
477	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 Stump Grinder. This equipment has been designed and manufactured to meet the needs of a discriminating buyer for efficient grinding of stumps

This new and unique design allows us to build it very economically and makes it a very compact unit for storage and transport. The self feeding design of the frame and enhanced visibility make the stump grinder easy and efficient to operate. Hydraulic controls are easy to adjust and operate from most skidsteer loaders.

The debris shield is standard equipment on all stump grinders. It is recommended that the stump grinder never be operated with out one.

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

This manual covers the Baumalight HGS50F Stump Grinder. 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 operator's seat and facing in the direction of travel.

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

1.2 Intended Use And Foreseeable Misuse

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

Stump grinder 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 stump grinder.

Always stop engine and remove key before leaving operators seat.

Never allow anyone near the stump grinder 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 stump grinder 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 stump grinder is locked to quick attach before operation or transport.

⚠ WARNING

Prevent serious injury or death.

It is recommended that the operating unit be equipped with a forestry guard to protect the operator.

⚠ 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.

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 stump grinder.
- NEVER use stump grinder as a work platform.
- NEVER allow passengers on stump grinder.

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 Stump Grinder Safely

Detach stump grinder on a firm and level surface. Stump grinder 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.

Raised Attachment

⚠ WARNING

Crushing hazard.

Raised, unsupported stump grinder can fall, resulting in death or serious injury.

Never enter the area under a raised stump grinder.

A raised stump grinder can lower unexpectedly, resulting in death or serious injury.

NEVER enter area under a raised stump grinder unless stump grinder is properly and safely supported.

Lower stump grinder 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 stump grinder. Altering the equipment may cause unsafe conditions and may void the manufacturer's warranty.

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 before connecting or disconnecting hydraulic hoses. 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.

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.

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.

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.

WARNING

Burn hazard.

Hot and high pressure hydraulic oil.

Allow oil to cool before servicing.

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

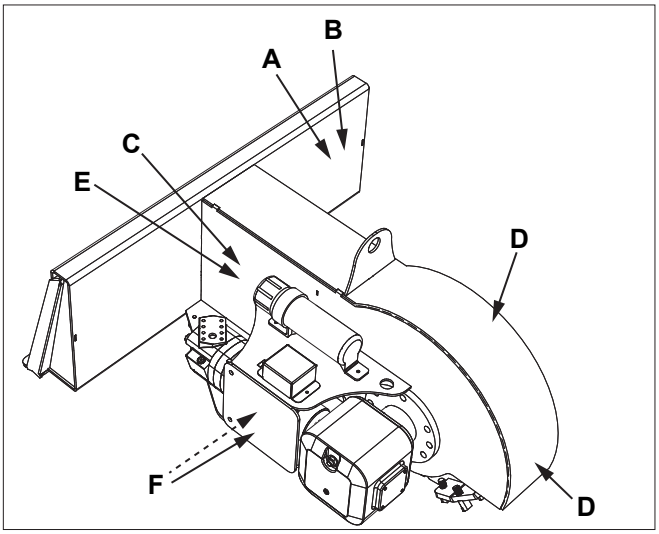
Wear an approved dust mask or respirator.

Follow local, state and federal regulations.

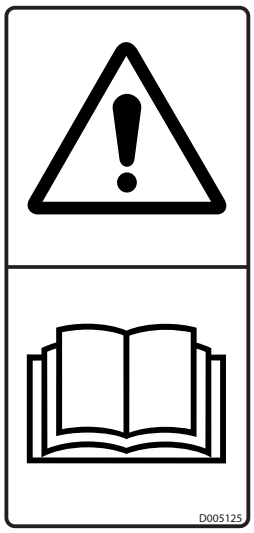
3 SAFETY SIGNS

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.

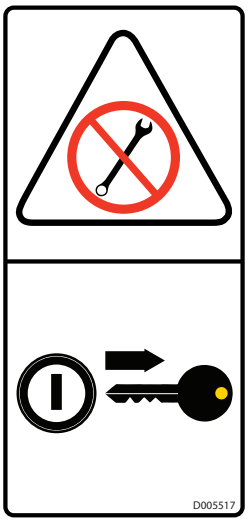
If any of the decals are missing, are damaged, or if you do not understand the decal, please contact your dealer.



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



B. D005517 ⚠ WARNING - Remove key before servicing.



C. 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

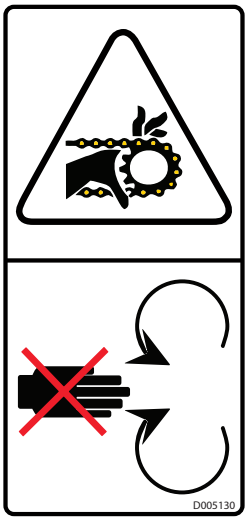
D. D005223 ⚠ WARNING - Rotating blade hazard. Keep back 75 m while machine is operating. Wait for blade to stop before approaching machine.



E. 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- .



F. D005130 ⚠ WARNING - Rotating parts hazard. Do not reach into machine. Keep away from machine. On inside and outside of cover.



4 OPERATION

4.1 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 stump grinder 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. Check swing frame to ensure that it is free from obstruction and can operate smoothly without binding.

Remove stabilizer pin before use to allow cutting wheel frame to pivot while grinding.

Review and understand this manual and operating unit manual.

Remove any masking materials affixed during painting. Inspect the skidsteer 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 skidsteer pre-start instructions, and be sure that all recommended steps and procedures have been followed. Never bar over the rotor, This could cause damage and result in personal injury or equipment damage.

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

4.2 Hydraulic Connections

⚠ WARNING

Pressurized fluids can penetrate the skin.

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

You must connect the pressure, return and case drain (if equipped) hoses from stump grinder to skidsteer hydraulic couplers.

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

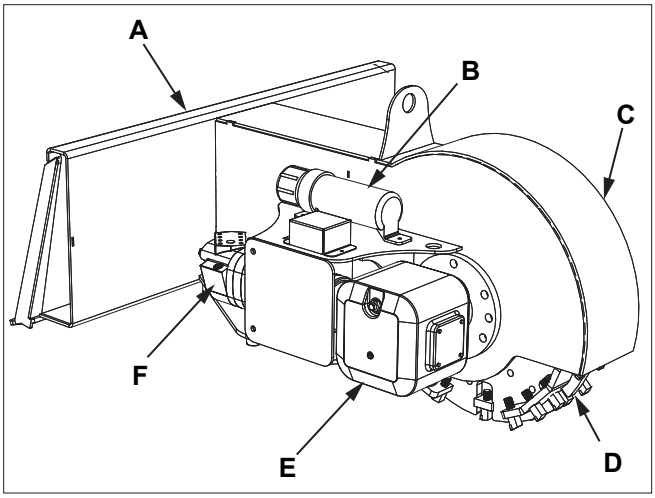
Fitting Size	Hose Description	Qty.
1/2 JIC FM	Pressure & Return	2
3/8 JIC FM	Case Drain	1

Identify the pressure port hose and connect your hoses to the stump grinder hoses.

4.3 Pre-Operation Check List

- Verify that stump grinder is properly attached to skidsteer.
- Verify that hydraulic hoses and electrical cable (if equipped) are properly connected.
- It is operators responsibility to perform the following checks prior to operation of equipment.
  - Review and understand this manual and operating unit manual.
  - Verify safety decals are installed and legible. Replace if damaged or missing.
  - Verify that all hardware is tight.
  - Inspect hoses and fittings for wear, damage and leaks. Replace damaged or leaking hoses before use.
  - Verify that local utilities have marked all underground wires, cables and pipelines.
  - Refer to operating unit operator's manual for prestarting instructions.

4.4 Machine Components



A. Quick Attach
B. Operators Manual Tube
C. Debris Guard
D. Rotor
E. Rotor Gear Box
F. Hydraulic Motor

4.5 Attach To Skidsteer

⚠ WARNING

To prevent injury or machine damage put transmission in park.

Never position yourself between skidsteer and stump grinder.

Only experienced and properly trained operator's should operate the skidsteer and stump grinder..

Note: *Use this procedure to connect to skidsteer after the initial setup has been performed.*

1. Read and follow all safety instructions.
2. Attach skidsteer to stump grinder. See 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.

⚠ WARNING

Prevent serious injury.

Verify bystanders are away and operator is in a safe area to avoid pinching/ crushing.

Stump grinder may move erratically due to air in the hydraulic system.

⚠ WARNING

Prevent serious injury or death.

It is recommended that the operating unit be equipped with a forestry guard to protect the operator.

⚠ WARNING

Pressurized fluids can penetrate the skin.

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.

6. Start skidsteer and operate all functions to fill cylinders with oil. Stump grinder may function erratically until all air is purged from hydraulic system.
7. Check operation and verify there are no leaks.
8. Stop skidsteer engine and check hydraulic oil reservoir level. Add hydraulic oil if necessary. Refer to your skidsteer operators manual for hydraulic oil specification.

4.6 Transporting

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

4.7 Detach From Skidsteer

⚠ WARNING

Prevent serious injury or death caused by unexpected movement:

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

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

4.8 Carbide Teeth Break-in

During the first few hours of use, avoid hitting stones as much as possible to allow the carbide teeth to wear slightly. This can be done by keeping the cutting wheel 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.

4.9 First Time User Tips

- Before starting, stand to side of stump grinder and look at center point on bottom of cutting wheel, this will appear different from the skidsteer seat and can be very deceiving.
- Operate all functions in a clear area with skidsteer in idle to get a good feel for the controls, do not expect to get first stump done fast.
- Run throttle only at half speed for first time users.

WARNING

Always turn off skidsteer and disengage hydraulic drive before getting off the seat and approaching the cutting wheel.

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.

4.10 Field Operation

WARNING

Prevent serious injury or death caused by unexpected movement:

1. **Park skidsteer on firm, level surface.**
2. **Engage skidsteer parking brake.**
3. **Disconnect hydraulic drive.**
4. **Lower stump grinder to the ground.**
5. **Shut off engine and remove key.**

WARNING

Never operate stump grinder 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 skidsteer.

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.

WARNING

Prevent serious injury or death.

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

1. Attach stump grinder to skidsteer. See Attach Stump Grinder in this section.

⚠ 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.

2. If stump is on a grade, position skidsteer in low area. This will position stump grinder in high area for a greater advantage of weight for stable cutting.
3. Check position of the stump grinder to the stump. Verify stump grinder is positioned at edge of stump.
4. Verify rotor is close to, but not touching stump.
5. Set engine speed at high idle and engage hydraulic flow.
6. Slowly lower stump grinder and move forward.
7. When ground level is reached, continue to grind up to 12 in. (305 mm) below the surface to the bottom of the stump where the roots branch out.
8. Continue grinding as needed until the entire stump has been removed to below ground level.
9. Follow the roots, taking as much of the larger surface roots as possible. If these are not removed they can, over time, protrude from the ground in areas where there is a heavy freeze/thaw cycle.
10. Move stump grinder away from stump to a flat surface.
11. Set engine speed at low idle.
12. Stop skid steer engine.

⚠ WARNING

Moving parts can crush and cut.

Keep clear of moving components.

Lockout operating unit before clearing jams.

⚠ WARNING

Never approach stump grinder 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
Hydraulic Hoses and Fittings	Inspect for damage or wear. Replace damaged or worn hoses and fittings.	Daily
Cutting Teeth	Check and replace one at a time as necessary. With daily use expect to replace 4 to 6 teeth per month. See Replace Cutting Teeth in this section.	Every 4 hours.
Rotor Bearings	Check bearings for side-to-side and up/down movement. Replace bearings if movement is found.	Every Week.
Rotor Gearbox Oil	Change Rotor Gearbox Oil	Every 200 hours of use.

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 skidsteer on a level surface.**
2. **Engage slidsteer parking brake.**
3. **Disconnect hydraulic drive.**
4. **Lower stump grinder to the ground.**
5. **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.

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.

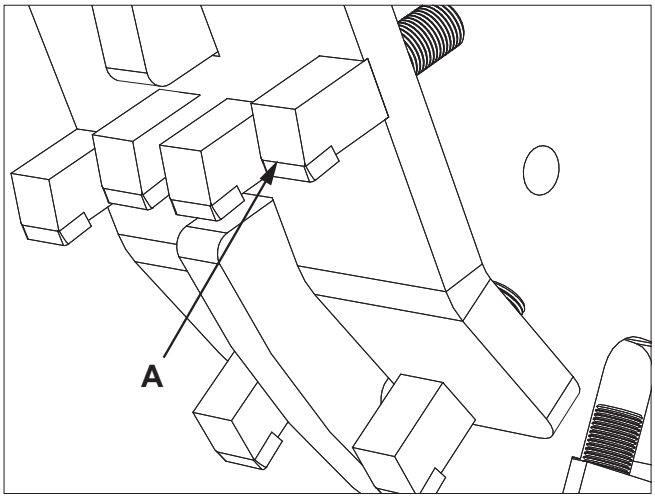
Follow local, state and federal regulations.

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.

5.3 Replace Cutting Teeth

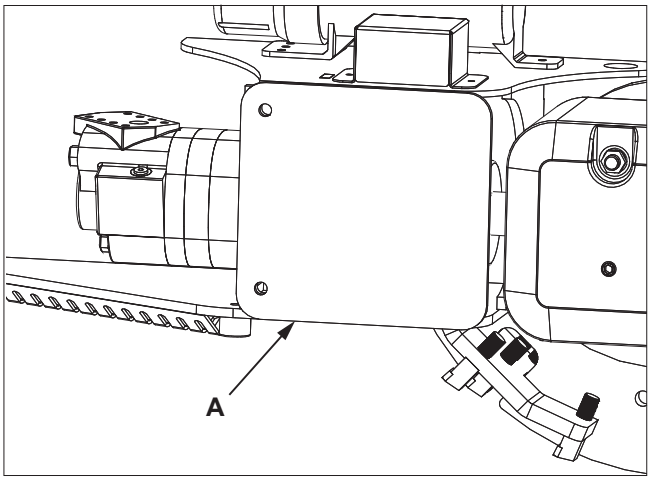
1. Park skidsteer and stump grinder on a level surface.
2. Lower rotor to the ground.
3. Shut off engine and remove key.
4. Inspect cutting teeth (A) for damage and wear on flat edges.
5. Remove locknut and tooth (A).
6. Install new tooth with hardened cutting edge facing same direction as other teeth and tighten lock nut to 150 lb/ft (204 Nm) of torque.



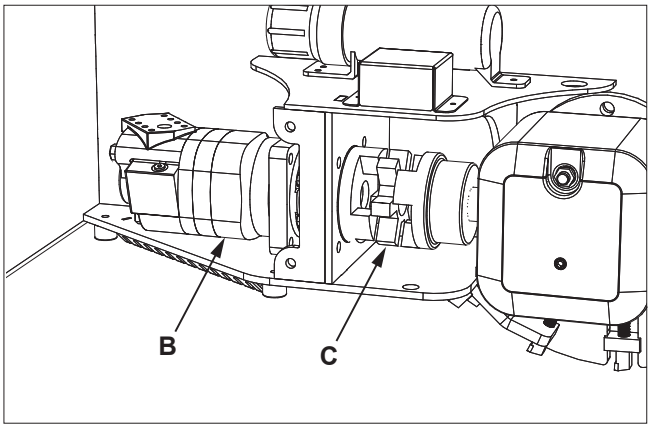
Note: *Parts breakdown can be found on Baumalight's website.* www.baumalight.com

5.4 Replace Spider

1. Park skidsteer and stump grinder on a level surface.
2. Lower rotor to the ground.
3. Shut off engine and remove key.
4. Remove cover (A).



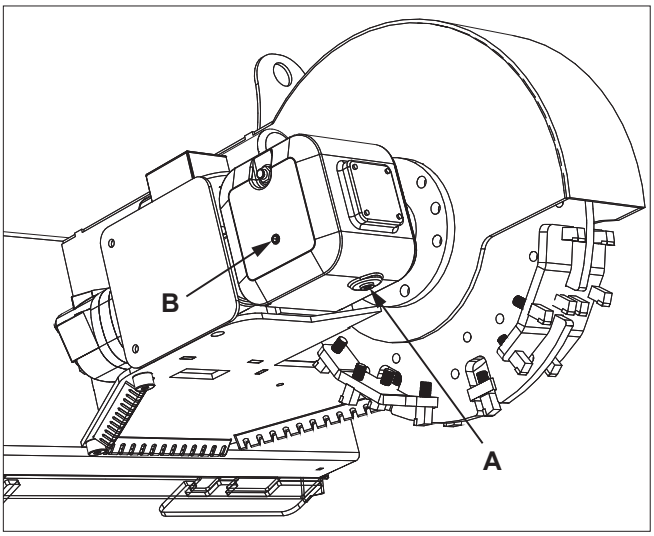
5. Remove hydraulic motor (B) mounting hardware and move motor rearward.
6. Remove and replace spider (C).
7. Align spider, collars and move motor forward. Install motor mounting hardware.
8. Install cover (A).



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

5.5 Change Gearbox Oil

1. Park skidsteer and grinder on a level surface.
2. Place wood block under cutting wheel and lower cutting wheel to wood block.
3. Shut off engine and remove key.
4. Remove drain plug (A).
5. Drain oil and install plug.
6. Remove fill/check plug (B).
7. Add synthetic 90W gear oil until oil comes out of hole.
8. Replace fill/check plug.
9. Dispose of oil in an environmentally safe manner.



5.6 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.

5.7 Zero Leak Case Drain Relief Valve

The stump grinder is equipped with a case drain line that is to be routed to the skid steer 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.

Stump grinders are equipped with a zero leak relief valve installed in the case drain line.

If the case drain line is not connected or becomes obstructed, the zero leak relief valve 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.

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.

If hydraulic fluid is coming out of the 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 TROUBLESHOOTING

PROBLEM	CHECK	SOLUTION
Rotor does not spin.	Cutting wheel jammed.	Remove material from cutting wheel.
	Low oil.	Check oil level in skidsteer. Add if necessary.
	Not enough oil flow.	Check flow control on skidsteer. See your dealer.
	Coupler damaged or sheared off.	Replace coupler. See Replace Coupler in maintenance section.
	Shaft keyway sheared off.	Replace keyway(s).
Rotor does not have much power.	Low oil.	Check oil level in skidsteer. Add if necessary.
	Oil filter plugged.	Replace skidsteer oil filter.
	Relief valve not set properly.	Have a qualified hydraulic technician set relief valve.
	Not enough oil flow.	Check flow control on skidsteer. See your dealer.
	Check to see if rotor can be turn backward with hoses disconnected.	If rotor can be turned, anti-cavitation valve (A) may be stuck open. Remove and clean anti-cavitation valve.
Excessive vibration.	Insufficient hydraulic pressure.	Check hydraulic oil level. Add if necessary.
	Debris lodged in rotor.	Remove debris.

7 STORAGE

7.1 Storing

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

7.2 Remove From Storage

1. Review Operator's manual and check adjustments.
2. Check gear box oil level. Add oil as necessary. (See Maintenance section.)
3. If parts have been replaced, verify they run properly.

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 Stump Grinders. Select Product Warranty.

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

www.baumalight.com

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