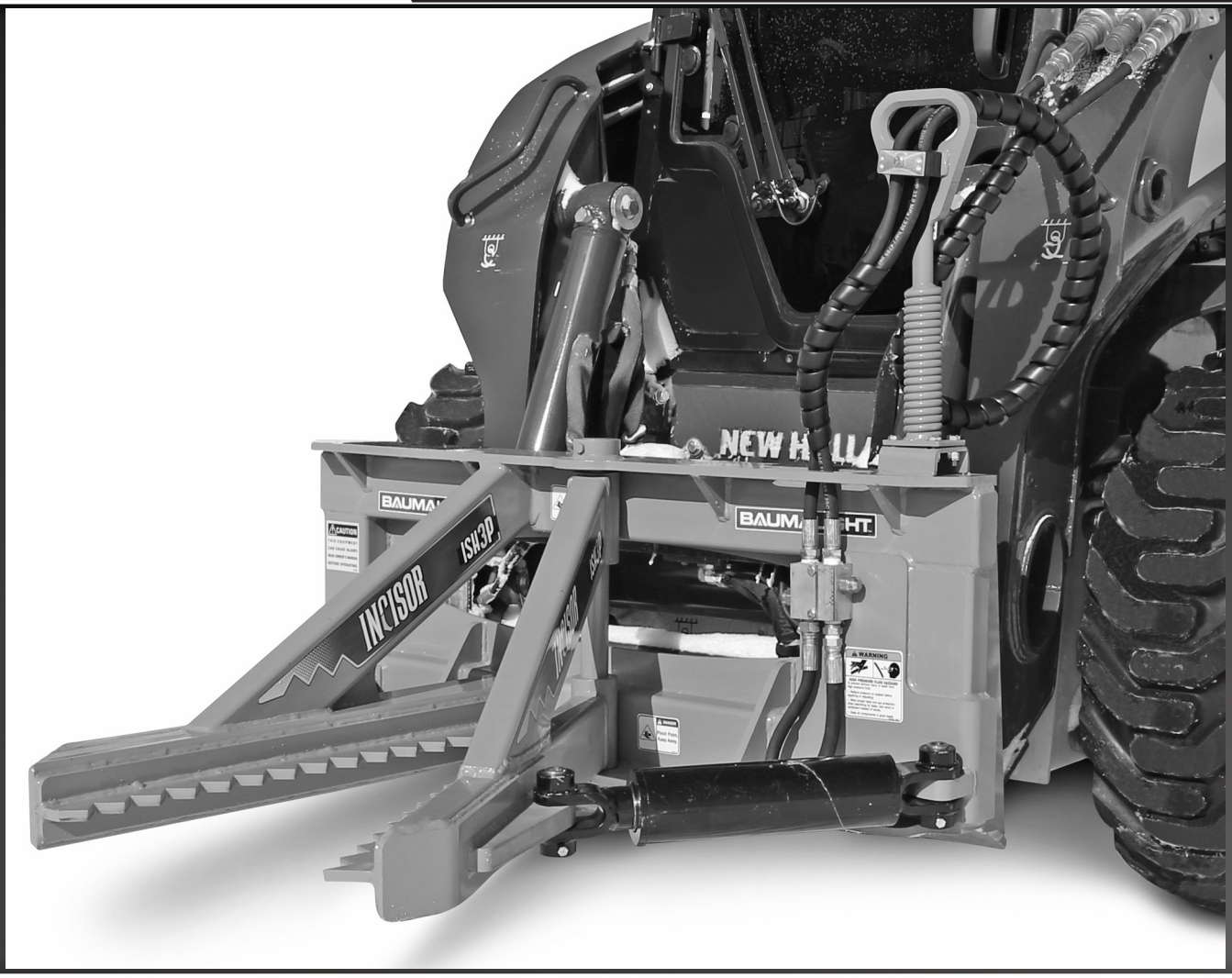
BAUMALIGHT™

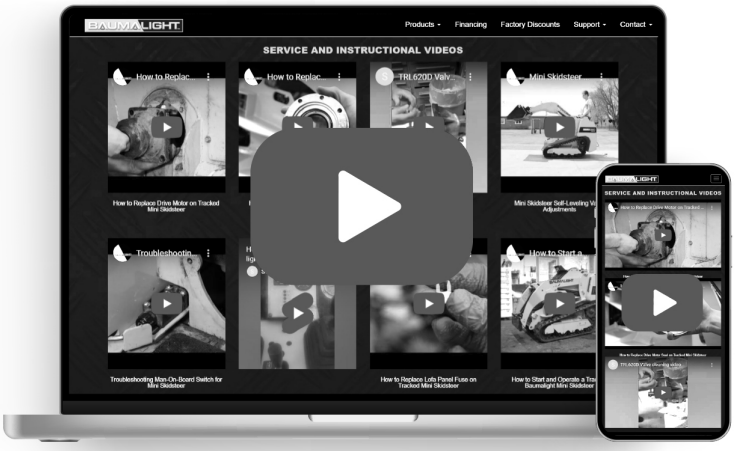


BAUMALIGHT™

Hydraulic Tree Puller

OPERATOR'S MANUAL

Issue Date: November 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 tree puller. 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
230	Greasing And Replacing Pins.	Lubricating Pivot Points And When To Change Out Pins.	Video
438	Hydraulic Cylinder.	Replacing Seals On Hydraulic Cylinder.	Video
479	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 Incisor Tree Puller to complement your operation. This equipment has been designed and manufactured to meet the needs of a discriminating buyer.

This new and unique design allows us to build it very economically and makes it a very compact unit for storage and transport. The enhanced visibility make the tree puller easy and efficient to operate. Hydraulic controls are easy to adjust and operate.

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

This manual covers the Baumalight Tree Puller. 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.

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.

1.2 Intended Use And Foreseeable Misuse

The tree puller is designed to be used by an experienced operator. Operator must be trained in the safe operation of a skid steer and hazards related to using the tree puller and the safe use of the tree puller 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 tree puller.

Care is required to ensure that the tree puller will not come in contact with metallic objects, stones or other materials.

Tree pullers 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 puller is misused. Misuse may also cause damage to the machine carrying the puller.

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 death or serious injury.

Read and understand this manual before operating tree puller.

Always lower puller to ground, stop engine and remove key before leaving operators seat.

Never allow anyone in near tree puller or in area where tree may fall during operation.

Travel at a safe speed.

WARNING

Prevent death or serious injury from moving parts.

Moving parts can crush and dismember.

Disconnect and lockout power source before adjusting or servicing.

WARNING

Use tree puller only for the designed applications.

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

⚠ WARNING

Prevent death or serious injury.

Verify tree puller is locked to quick attach hitch before operation or transport.

⚠ WARNING

Protect from flying debris.

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

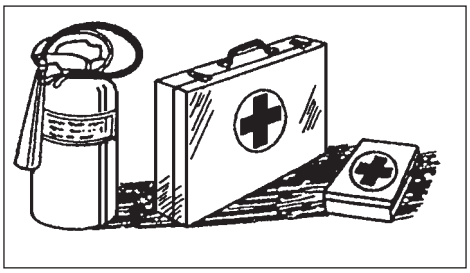
Learn how to properly operate equipment. NEVER operate or work around this equipment without proper instruction, while fatigued or under the influence of alcohol, prescription or non-prescription medication or if feeling ill.

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 on tree puller.
- NEVER use tree puller as a work platform.
- NEVER allow passengers on tree puller.

Lower Operating Speed

Keep tree puller 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 tree puller 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

⚠ DANGER

Prevent electrocution.

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

Electrocution can occur without direct contact.

- Check clearance before raising equipment.

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

Detach Tree Puller Safely

Detach tree puller on a firm and level surface. Tree puller may fall over if detached on unlevel 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 tree puller can fall, resulting in death or serious injury.

Never enter the area under a raised tree puller.

A raised tree puller can lower unexpectedly, resulting in death or serious injury.

NEVER enter area under a raised tree puller.

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

Hazards From Modifying Equipment

Do not make any alterations to your tree puller. Altering may cause your equipment to be unsafe and may void the manufacturers' 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 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.

Doctors unfamiliar with this type of injury should reference a knowledgeable medical source.

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.

2.3 Maintenance Hazards

Before servicing, park machine on a firm and level surface, set parking brake 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

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.

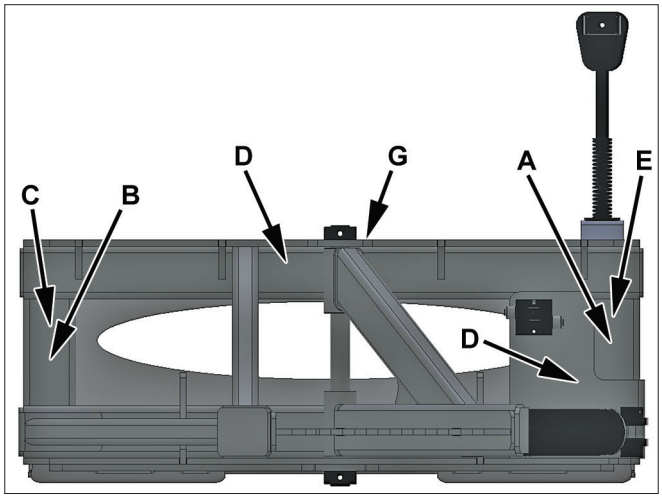
Hot and high pressure hydraulic oil.

Allow oil to cool before servicing.

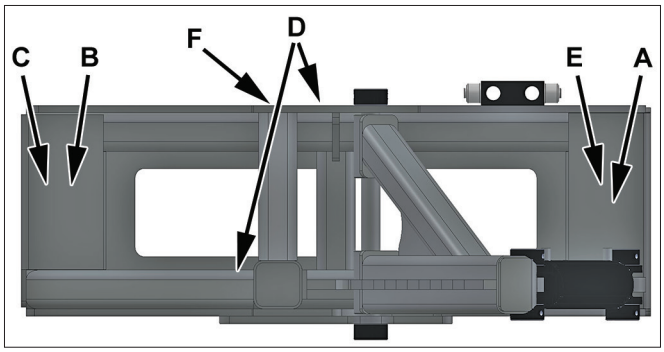
3 SAFETY SIGNS

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.

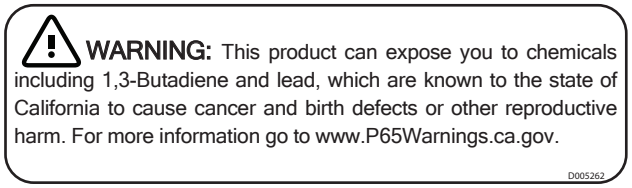


IHS3P

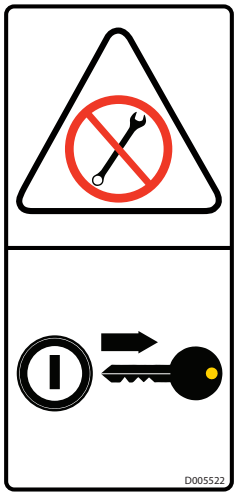


IHS3M

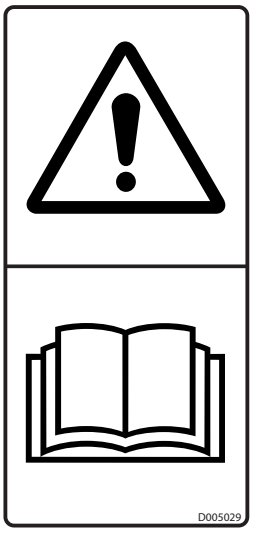
A. D005262 ⚠ WARNING - P65 warning information.



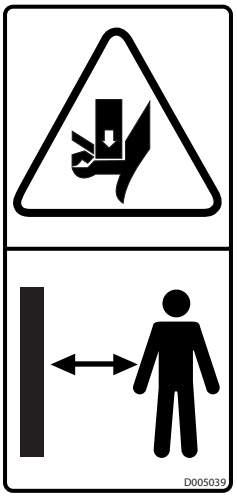
B. D005522 ⚠ WARNING - Remove key before servicing.



C. D005029 ⚠ WARNING - Read and understand safety signs on the machine and operating instructions in this manual before operating machine.



D. D005039 ⚠ 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.



E. D005030 ⚠ 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. D005031 ⚠ WARNING Wear personal protective equipment appropriate for the job.



4 OPERATION

4.1 Preparation For Use

Although the tree puller 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.

Remove any masking materials affixed during painting. Inspect 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 tree puller 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 ensure that all recommended steps and procedures have been followed.

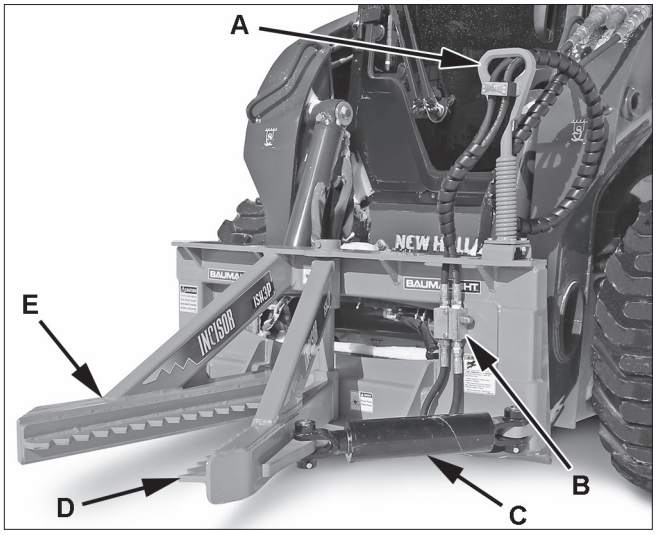
⚠ WARNING

Pressurized fluids can penetrate the skin.

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

4.2 Machine Components

A. Hose Holder
B. Relief Valve
C. Clamp Cylinder
D. Pivoting Clamp
E. Stationary Clamp



4.3 Attach To Skid Steer

⚠ WARNING

To prevent injury or machine damage put transmission in park.

Never position yourself between skid steer and tree puller.

Only experienced and properly trained operator's may operate skid steer and tree puller.

1. Read and follow all safety instructions.
2. Attach tree puller to skid steer. See skid steer operator's manual.
3. Connect hydraulic hoses. Verify hydraulic hoses are clear of pinch areas and moving parts.
4. Move to a clear open area to test functions.

4.4 Detach From Skid Steer

⚠ WARNING

Prevent death or serious injury caused by unexpected movement:

1. **Park skid steer on a level surface.**
2. **Engage parking brake.**

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

4.5 Transporting

1. Verify all reflectors and Slow Moving Vehicle (SMV) sign are visible.
2. Raise tree puller slightly off ground.
3. Travel at a reasonable and safe speed.

⚠ WARNING

Always stop engine and remove key before leaving operators seat.

4.6 First Time User Tips

Operate all functions in an open area with skid steer at idle to get a good feel for the controls.

Run throttle only at half speed for first time users.

⚠ WARNING

Always stop engine and remove key before leaving operators seat.

4.7 Field Operation

⚠ WARNING

Prevent serious injury or death caused by unexpected movement:

1. **Park skid steer on a level surface.**
2. **Lower puller to ground.**
3. **Engage parking brake.**
4. **Shut off engine and remove key.**

⚠ WARNING

Never operate tree puller when other people are in the vicinity.

Keep all shields in place.

Do not allow riders on skid steer.

1. Attach tree puller to skid steer. See Attaching/ Detaching in this section.
2. Operate hydraulics to open clamps.
3. Position puller so tree is as far into rear of jaw opening as possible for most clamping power.
4. Position tree puller as low as possible when clamping tree.
5. Operate hydraulics to raise tree puller and pull brush/tree from ground.
6. Move skid steer to desired location and operate hydraulics to open clamps to drop brush/tree.

4.8 Relief Valve

⚠ WARNING

Prevent serious injury or death caused by unexpected movement:

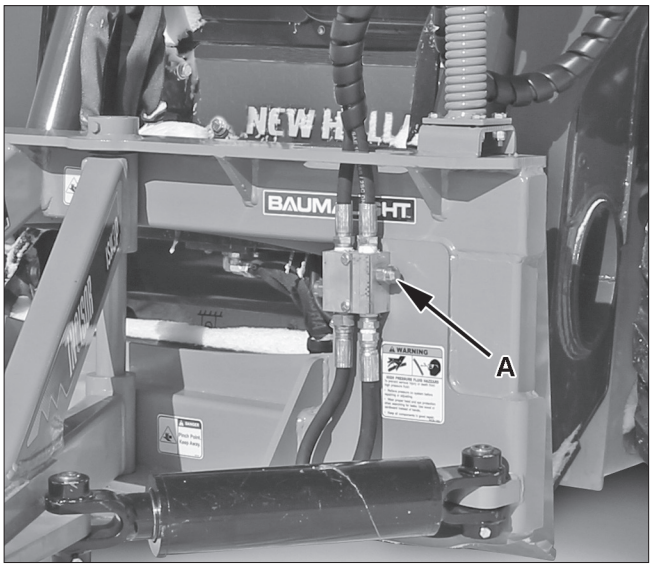
1. **Park skid steer on a level surface.**
2. **Lower puller to ground.**
3. **Engage parking brake.**
4. **Shut off engine and remove key.**

Tree puller is equipped with a relief valve to adjust clamping pressure. If clamping pressure is set high, clamps may pinch off small brush or trees.

Remove cap (A) and turn relief valve counter clockwise to decrease clamping pressure.

Turn relief valve clockwise to increase clamping pressure.

Install cap (A).



5 SERVICE AND MAINTENANCE

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.



5.1 Lubrication

WARNING

Prevent serious injury or death caused by unexpected movement:

1. **Park skid steer on a level surface.**
2. **Lower puller to ground.**
3. **Engage parking brake.**
4. **Shut off engine and remove key.**

Pump grease into all pivot point lubrication fittings until adequately lubricated.

5.2 Inspect Hoses

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.

WARNING

Prevent serious injury or death caused by unexpected movement:

1. **Park skid steer on a level surface.**
2. **Lower puller to ground.**
3. **Engage parking brake.**
4. **Shut off engine and remove key.**

Inspect hydraulic hoses for damage and wear. Replace damaged or worn hoses before operating puller.

6 TROUBLESHOOTING

PROBLEM	CHECK	SOLUTION
Clamps do not close.	Clamps jammed.	Remove material from clamps.
	Low oil.	Check oil level in skid steer. Add oil if necessary.
	Not enough oil flow.	Check flow control on skid steer. See your dealer.
Clamps do not have much power.	Low oil.	Check oil level in skid steer. Add oil if necessary.
	Oil filter plugged.	Replace skid steer oil filter.
	Skid steer relief valve not set properly.	Set relief valve. Pressure should be 3000 psi (207 bar). See your dealer.
	Not enough oil pressure.	Check hydraulic pressure on skid steer. See your dealer.

7 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 Tree Shears. Select Product Warranty.

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

MTB MFG INC.
CORPORATE HEADQUARTERS
4575 Powell Rd.,
Wallenstein, Ontario Canada
N0B 2S0
www.baumalight.com