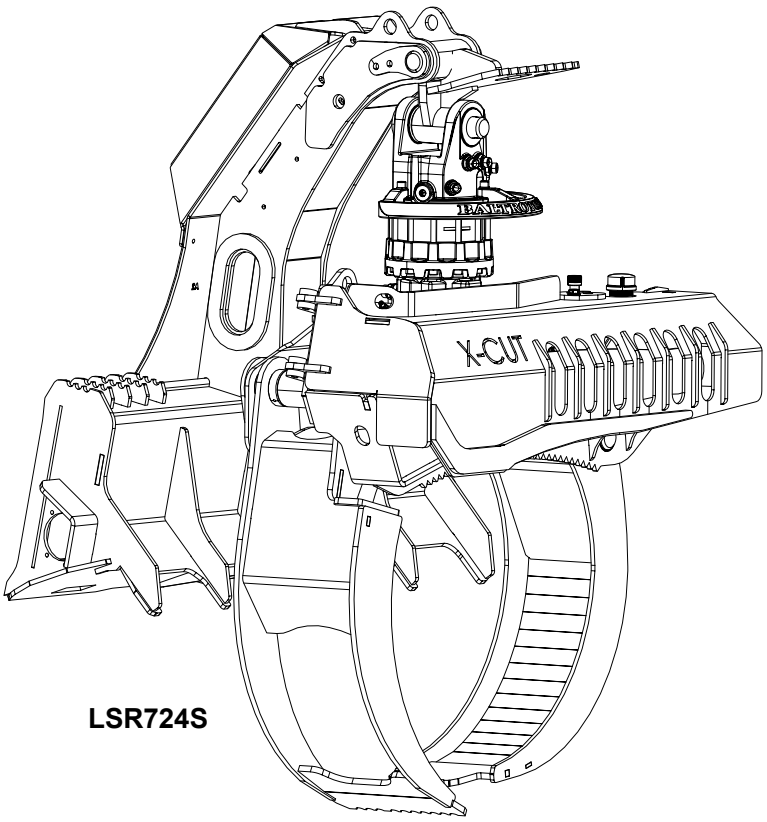
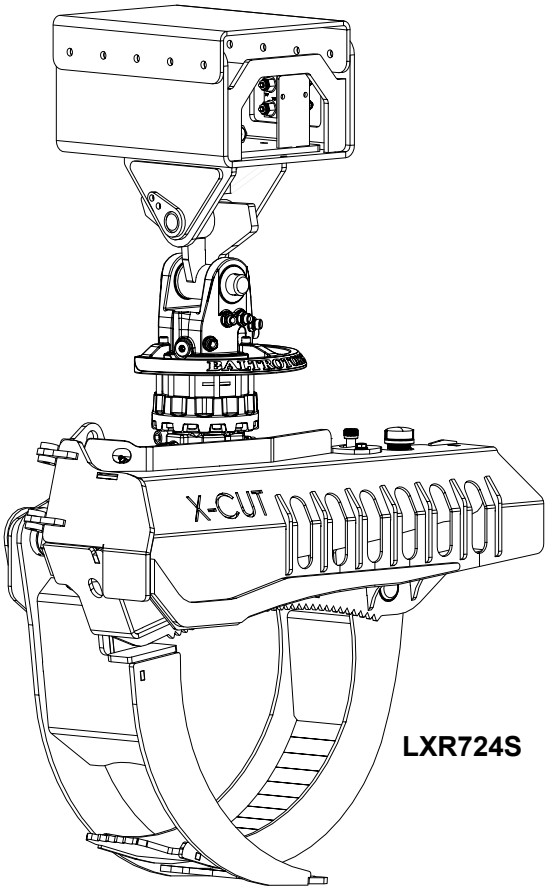


LSR724S

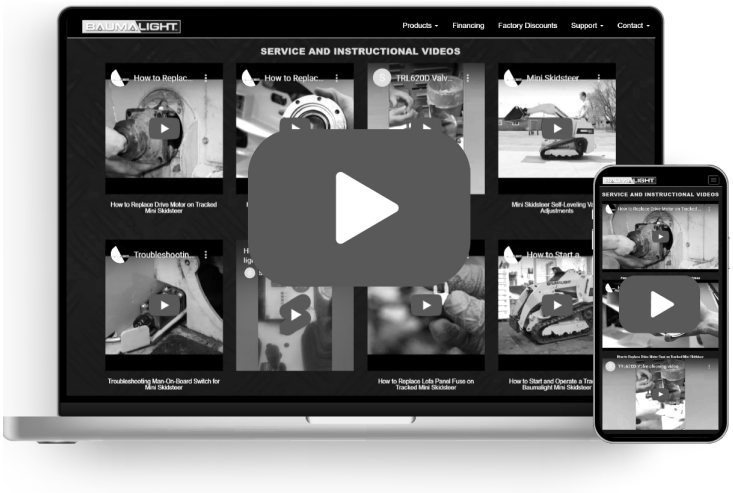


LXR724S

BAUMALIGHT™

LSR724S And LXR724S
Grapple Saw
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 grapple saw. 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
422	Inserting Pins Into 14 Pin Plug.	Changing Pins In Aux Receptacle.	Video
423	Remove Seal.	Remove Seal On Motor Or Load Adapter.	Video
424	Hydraulic Motor.	Breaking In Motor.	Video
425	Case Drain Back-Pressure.	What May Cause Case Drain Back-Pressure.	Video
426	Case Drain Back-Pressure.	Testing Case Drain Back-Pressure With Pressure Gauge.	Video
427	Case Drain Back-Pressure.	Testing Case Drain Back-Pressure With Open Coupler.	Video
432	Hydraulic Cylinder	Replacing Seals On Hydraulic Cylinder.	Video
443	Inserting A Pin In A 8 And 14 Pin Connector.	Changing Pins In Aux Receptacle.	Video
453	John Deere P Series.	Aux Pin Out Support.	Video
461	Wiring Diagram.	How To Wire 14-Pin To Two Hydraulic Valves Wiring.	Video
471	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 Grapple Saw. This equipment has been designed and manufactured to meet the needs of a discriminating buyer for efficient operation.

Safe, efficient and trouble free operation of your grapple saw requires that you and anyone else who will be operating or maintaining the grapple saw, read and understand this Operator's Manual.

This manual covers the LSR724S and LXR724S Grapple Saw. 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 platform and facing in the direction of travel.

1.2 Intended Use And Foreseeable Misuse

The grapple saw is designed to be used by experienced operators, trained in the safe operation and hazards related to using the grapple saw and the safe use of the grapple saw 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 grapple saw.

The grapple saw is 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 grapple saw is misused.

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.

Raised grapple saw could fall, resulting in death or serious injury.

Never enter the area under raised grapple saw.

WARNING

Prevent death or serious injury.

Read and understand this manual before operating the grapple saw.

Never allow anyone near the grapple saw during operation.

Travel at a safe speed.

WARNING

Prevent death or serious injury from moving parts.

Moving parts can cut, crush and dismember.

Do not operate without guards and shields in place.

Disconnect and lockout power source before adjusting or servicing.

⚠ WARNING

Use grapple saw only for the designed applications.

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

⚠ WARNING

An overloaded grapple saw or improperly distributed load can result in death or serious injury.

An overloaded grapple saw can cause hydraulic system to malfunction, resulting in grapple falling.

A load that is improperly distributed in the grapple saw can result in the machine tipping over when the grapple saw is raised.

⚠ WARNING

A soft and/or uneven surface may cause the machine to overturn when the grapple saw is raised.

Raise the grapple saw only if the machine is on a firm and level surface.

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 components and repair parts must include the current safety decal.

Learn how to properly operate the grapple saw. 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 in 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 the log grapple.

NEVER use grapple saw as a work platform.

NEVER allow passengers on the grapple saw.

Lower Operating Speed

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.
- Avoid holes, ditches and other obstructions which may cause equipment to rollover.
- Use caution when operating on slopes and do not operate on excessively steep slopes.
- Do not exceed load capacity of equipment.

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 grapple saw. 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.

Raised Grapple Saw

⚠ WARNING

Prevent death or serious injury.

Raised grapple saw could fall, resulting in death or serious injury.

Never enter the area under raised grapple saw.

Raised grapple saw can lower unexpectedly, resulting in death or serious injury.

NEVER enter area under raised grapple saw.

Lower grapple saw, engage carrier park brake, shut off engine and remove key before servicing.

2.3 Maintenance Hazards

Before servicing, park carrier on a firm and level surface, engage park brake, remove key 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

Prevent death or serious injury.

Raised grapple saw could fall, resulting in death or serious injury.

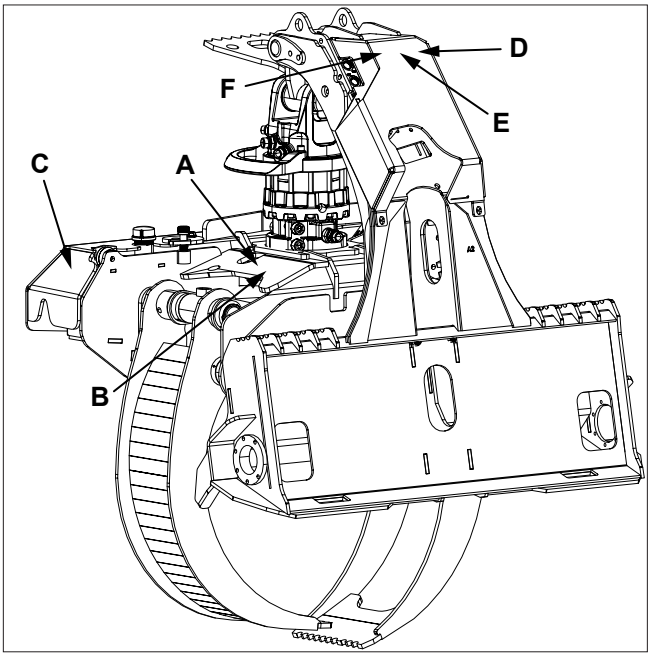
Never enter the area under raised grapple saw.

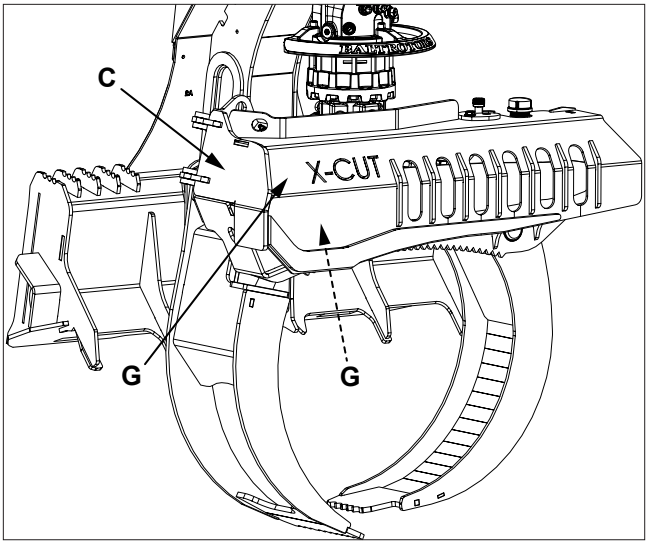
3 SAFETY SIGNS

3.1 LSR724S

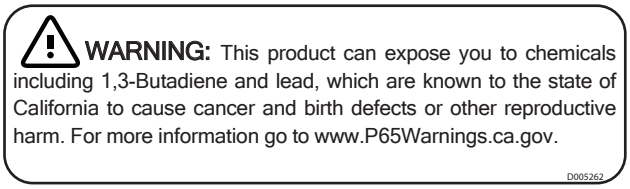
The two and four panel safety decals are pictorial and have a yellow background. The panel with a triangle indicates the potential hazard. The panel without a triangle indicates how to avoid the hazard.

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

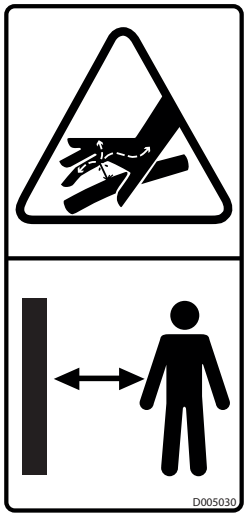




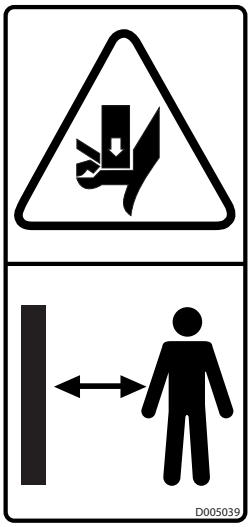
A. D005262 ⚠ WARNING - P65 warning information.



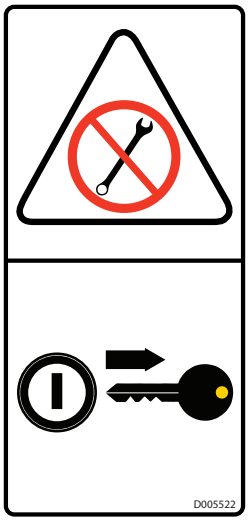
B. D005126 ⚠ WARNING - Pressurized fluid hazard. Keep away from machine.



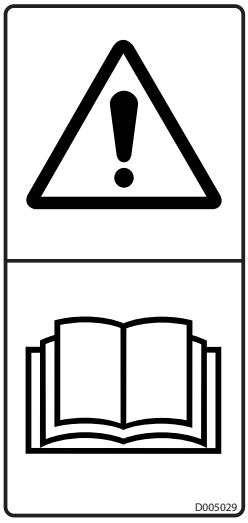
C. D005127 ⚠ WARNING - Pinch point / crush hazard. Do not reach into machine. Keep away from machine.



D. D005517 ⚠ WARNING- Remove key before performing service.



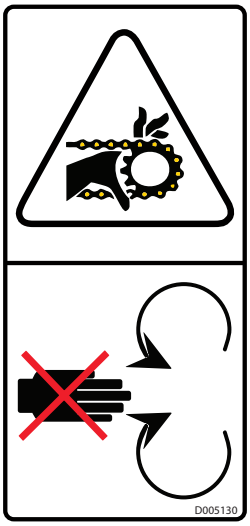
E. D005125 ⚠ WARNING - Read and understand safety signs on the machine and operating instructions in this manual before operating machine.



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



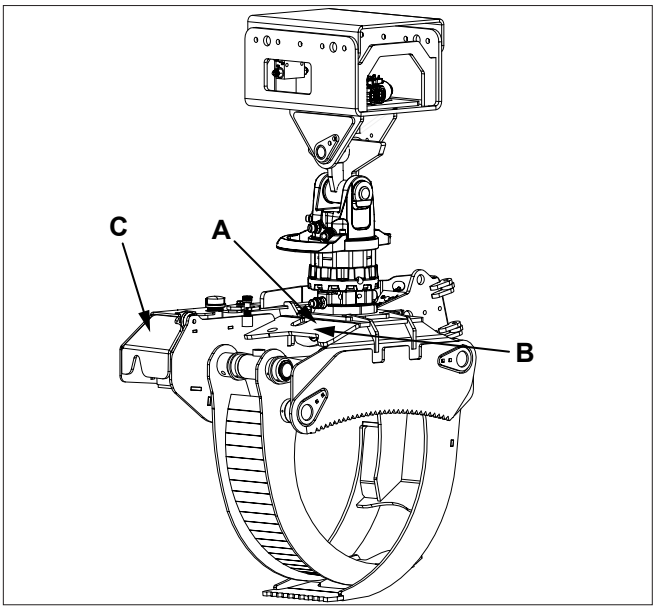
G. D005130 ⚠ WARNING - Rotating parts hazard. Do not reach into machine. Keep away from machine. Dashed line indicates item hidden from view unless cover is opened.

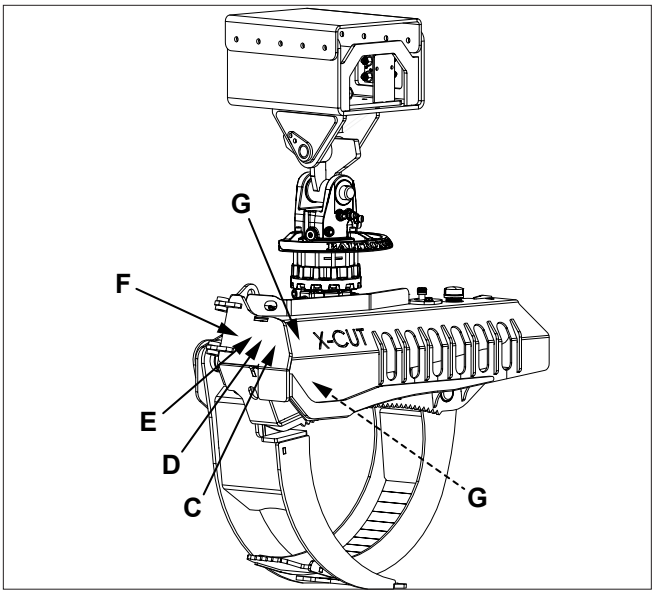


3.1 LXR724S

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.

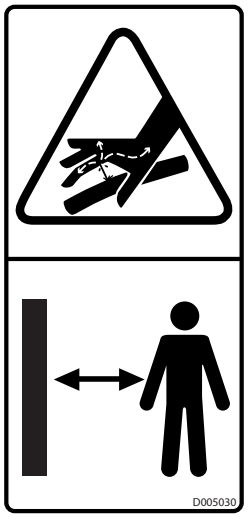




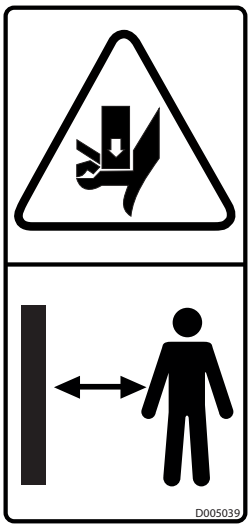
A. D005262 ⚠ WARNING - P65 warning information.

> ⚠ **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

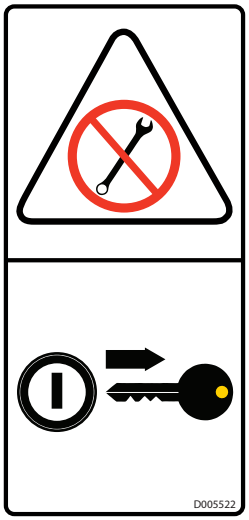
B. D005126 ⚠ WARNING - Pressurized fluid hazard. Keep away from machine.



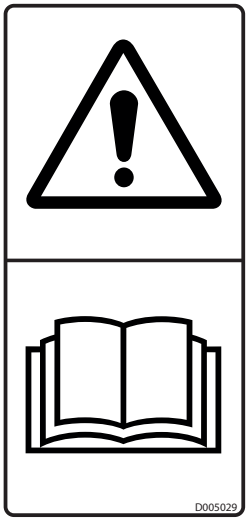
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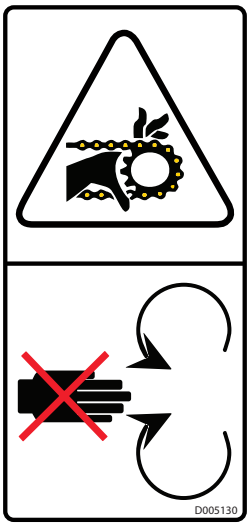
E. D005125 ⚠ WARNING - Read and understand safety signs on the machine and operating instructions in this manual before operating machine.



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



G. D005130 ⚠ WARNING - Rotating parts hazard. Do not reach into machine. Keep away from machine. Dashed line indicates item hidden from view unless cover is opened.



4 OPERATION

4.1 Preparation For Use

Operator must be properly trained and understand operator's manual before using equipment. Do not allow untrained or unqualified people to operate this equipment.

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

It is your responsibility to operate this equipment safely. You must be familiar with the equipment and all safety practices before use.

Inspect equipment before operating. Repair or replace any worn or damaged parts. Replace missing or damaged safety shields and safety signs.

Keep bystanders away from work area.

Always wear protective equipment appropriate for the job.

Do not operate, work on or around this machine while under the influence of alcohol, drugs or if feeling ill.

Keep clear of moving equipment at all times.

4.1.1 Hydraulic Connections

⚠ WARNING

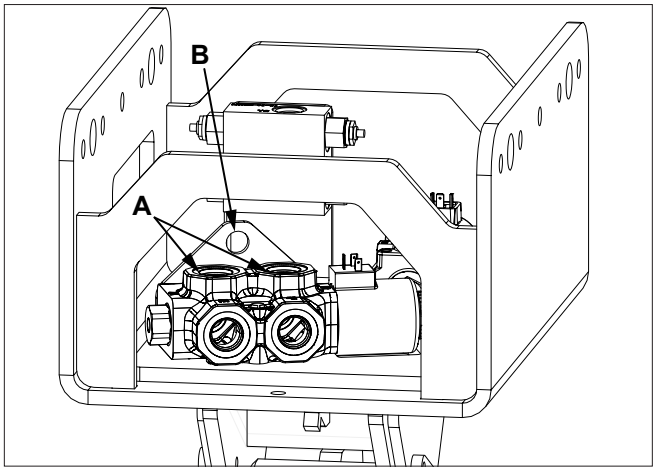
Pressurized fluids can penetrate the skin.

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

Baumalight does not provide the hydraulic hoses that connect from grapple to excavator. The installer must determine a safe routing for the hydraulic hoses to prevent damage.

Installer provided hoses are not covered by the Baumalight warranty.

1. Connect hydraulic pressure and return hoses to ports (A).
2. Connect case drain hose to connector at location (B).



3. Route hoses along boom and connect to excavator hydraulic system.

   Other installed attachments may interfere with grapple operation and may need to be removed. Routing of the hoses will depend on the excavator and other installed attachments.

   Baumalight does not provide these hoses and they are not covered by the Baumalight warranty.

NOTICE

Prevent equipment damage.

Route hydraulic hoses away from pinch points.

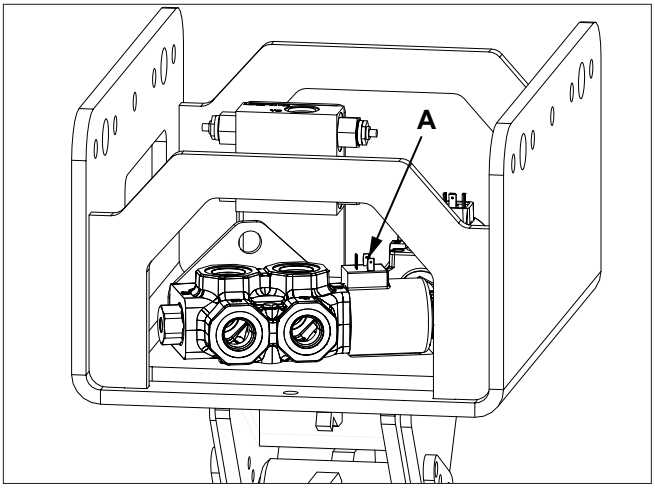
During initial startup, carefully move grapple and boom to all positions to verify hoses will not be damaged.

4.1.2 Remote Pendent

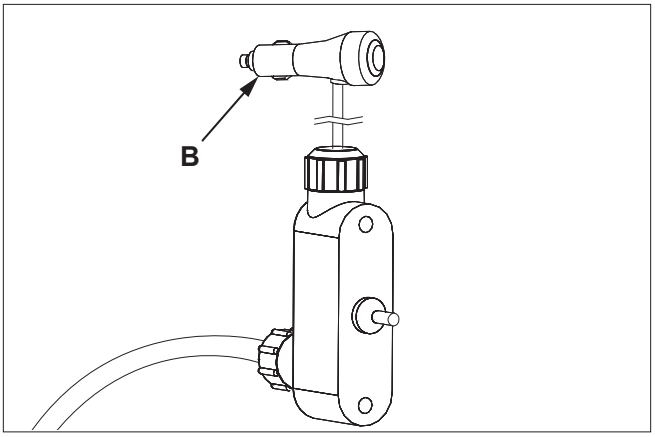
Electrical wires that run from grapple valve to remote pendent are not provided with the grapple. The installer must determine a safe routing for the electrical wires to prevent damage.

Installer provided wires are not covered by the Baumalight warranty.

1. Connect pendent harness to connector (A) on valve.



2. Connect remote pendent connector (B) to excavator 12 volt power supply.

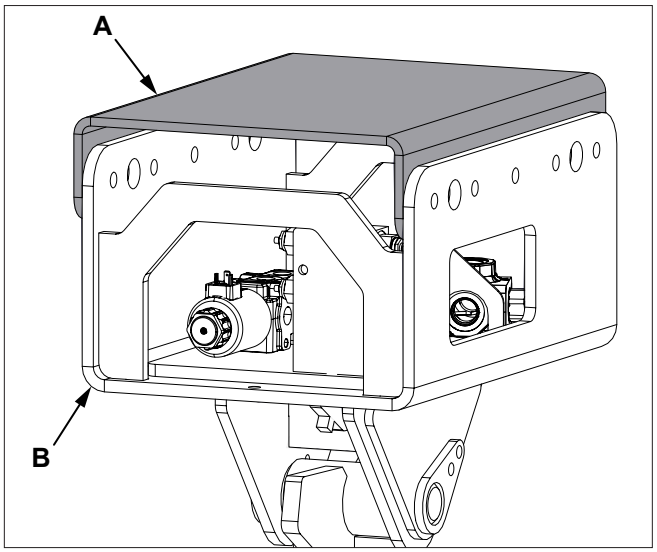


3. Move to a clear open area to test functions.

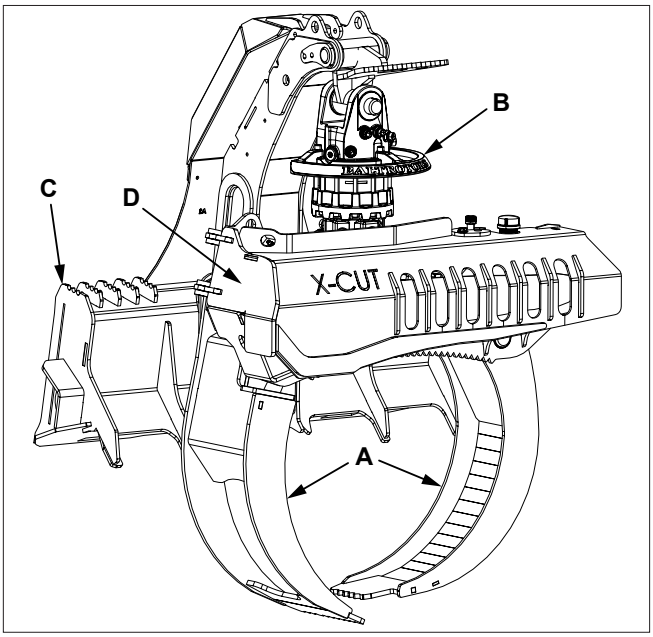
4.1.1 Excavator Adapter - LXR724S

1. Install excavator adapter (A) on either side of machine mounting bracket (B) as shown.

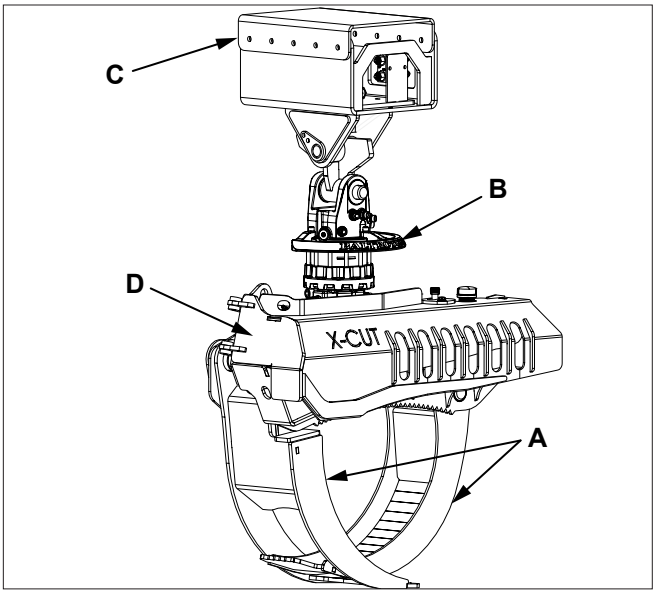
2. Install and tighten mounting hardware. Tightening the mounting hardware will pull the flanges into place.



4.2 Components



LSR724S



LXR724S

A. Grapple Jaws
B. Rotation Mechanism
C. LSR724S - Quick Attach
   LXR724S - Adapter Mounting Plate
D. Cut-Off Mechanism

4.3 Connect To Grapple Saw

⚠ WARNING

To prevent injury or machine damage put transmission in park.

Never position yourself between carrier and grapple.

Only experienced and properly trained operator's should operate the carrier and grapple saw.

⚠ WARNING

Pressurized fluids can penetrate the skin.

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

1. Verify the mount plate/ or quick attach are free of any dirt or debris and that the locking mechanism pins rotate freely. Lubricate locking mechanism if necessary.
2. Attach grapple saw to carrier. See carrier operators manual.
3. Connect hydraulic hoses and electrical connector.

4.4 Transporting

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

4.5 Pre-Operation Check List

Verify that grapple saw is properly attached to carrier.

Verify that hydraulic hoses are properly connected.

It is operators responsibility to perform the following checks prior to operation of equipment:

- Review and understand this manual and carrier operators 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.
- Refer to carrier operator's manual for prestarting instructions.

4.6 Operation

Slope Operation

Watch for holes, ruts, or bumps.

Do not make sudden changes in speed or direction.

If the carrier loses traction, slowly move straight down the slope. Avoid turning on slopes. If turning is necessary, turn slowly and keep the grapple saw uphill.

Do not operate near drop off or ditches.

When parking on a hillside or slope, lower grapple saw and engage carrier park brake.

Basic Functions

- Forward and reverse flow with no electric button pressed will open and close grapple.
- Press blade button then move joystick for forward flow, blade will start and lower it at the same time.
- Press blade button then move joystick for reverse flow, blade will raise (blade is not running).
- Forward and reverse flow with the rotate button pressed will rotate grapple.

⚠ WARNING

Prevent death or serious injury from moving parts.

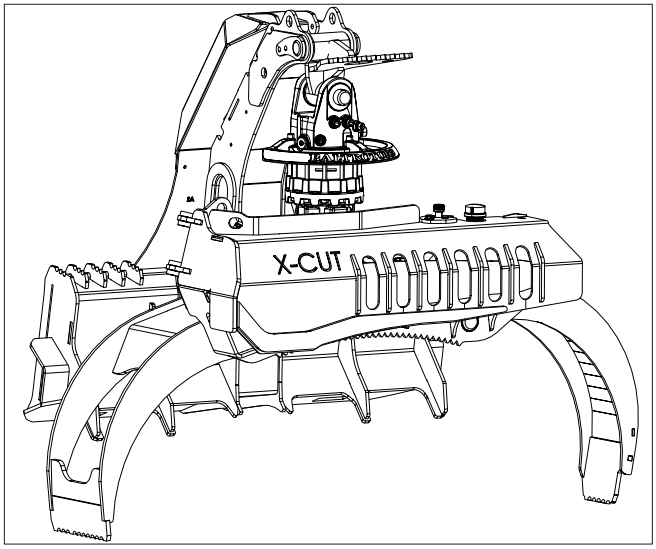
Moving parts can cut, crush and dismember.

Do not operate without guards and shields in place.

Disconnect and lockout power source before adjusting or servicing.

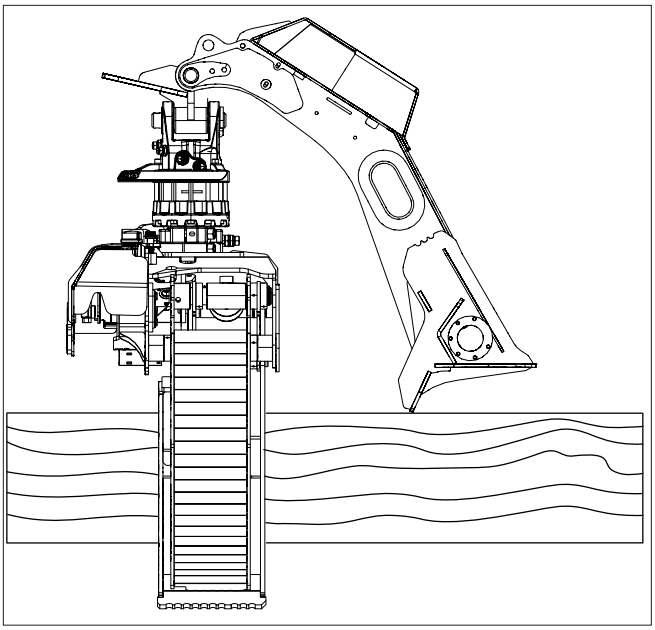
General Operation

1. Disengage park brake.
2. Operate hydraulics to open grapple jaws.

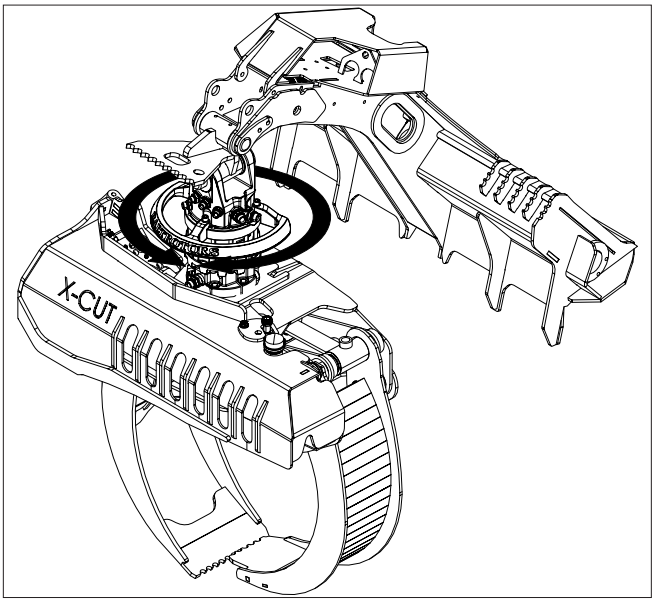


Grapple In Open Position

3. Tilt grapple forward and position over log.
4. Operate hydraulics to close grapple jaws around log.
5. LSR724S - Slightly raise grapple and tilt back so end of log is under grapple frame as shown.



The grapple can rotate a full 360°. Operate hydraulics to rotate grapple as needed.



6. Carry log close to the ground and travel at a slow speed.

⚠ WARNING

Crush hazard.

Operation on a slope can result in machine tip over.

NOTICE

Prevent equipment damage.

Run saw at slow speed when hydraulic oil is cold.

Saw can be run at normal speed once hydraulic oil is up to operating temperature.

7. Operate saw to cut log as needed.
8. Position log in desired position.
9. Tilt grapple forward and operate hydraulics to open grapple jaws to release log.

5 SERVICE AND MAINTENANCE

5.1 Maintenance

⚠ WARNING

Prevent death or serious injury.

Raised grapple saw could fall, resulting in death or serious injury.

Never enter the area under raised grapple saw.

⚠ WARNING

Prevent death or serious injury from moving parts.

Moving parts can cut, crush and dismember.

Do not operate without guards and shields in place.

Disconnect and lockout power source before adjusting or servicing.

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

Lower grapple saw, stop carrier engine and remove key. Inspect grapple saw for damage and worn parts. Repair or replace parts as needed.

Inspect hydraulic hoses going to the rotator every four hours. Replace hoses if worn or damaged.

Inspect hydraulic hoses and fittings daily for leaks. Replace if worn or damaged.

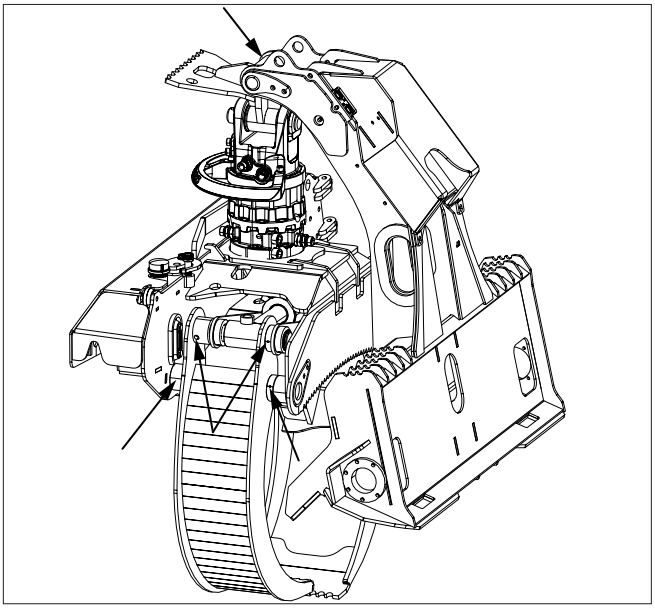
Inspect the unit for any damage. Repair or replace parts as needed.

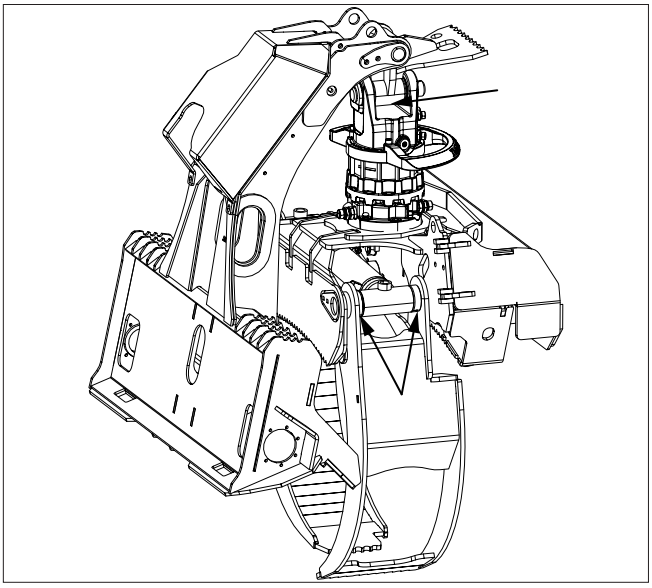
5.3 Lubrication

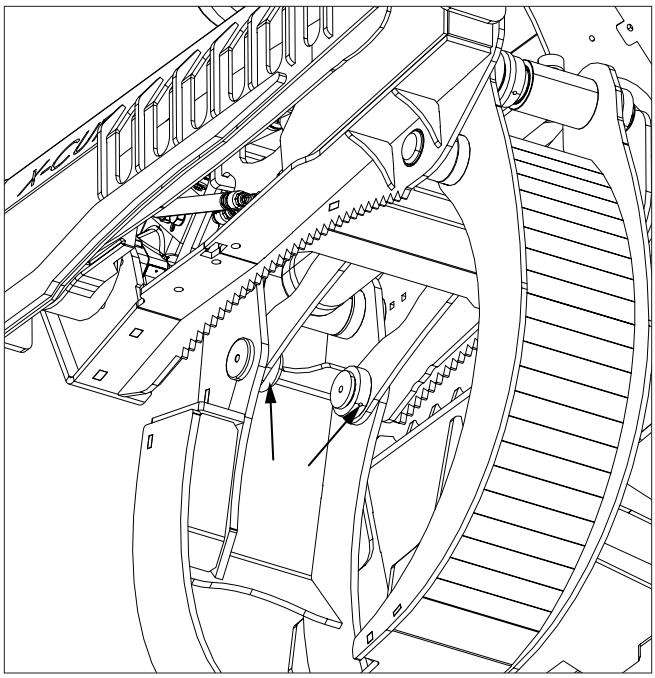
Note: *Lubrication points for the LSR are shown, the LXR is similar.*

Lower grapple saw, stop carrier engine and remove key.

Pump grease into grease fittings.



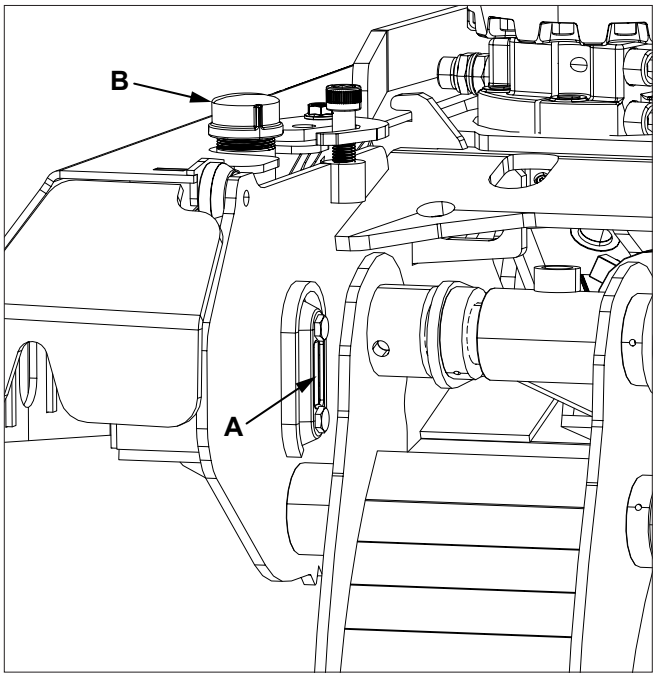




5.4 Hydraulics

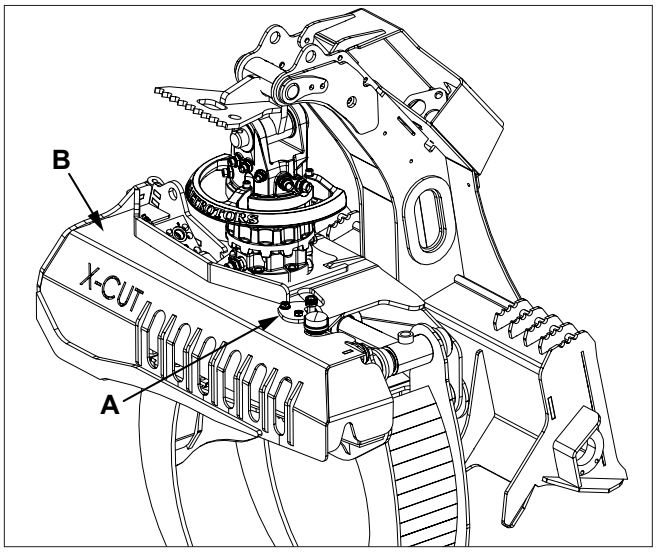
Check chain bar fluid level every 10 hours.

1. With grapple level, check fluid level in sight glass (A). If the level is low, add enough fluid to raise it to the proper level.
2. Clean the area around the filler neck of the tank.
3. Remove the cap (B) from filler neck and add chain bar fluid as needed.
4. Install the cap (B) on filler neck.

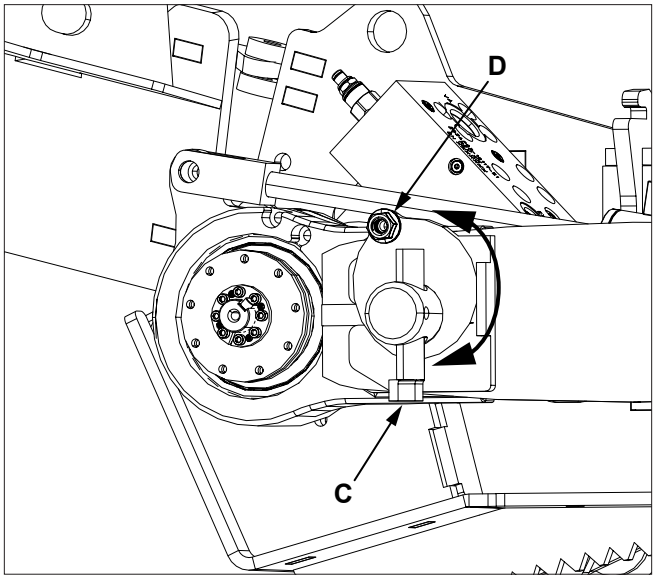


5.5 Adjust Chain Tension

1. Rotate lock plate (A) to release and open cover (B).



2. Turn eccentric pin (C) to loosen cam plate (D).
3. Turn cam plate (D) until the chain sits snugly against the bottom of the bar. Properly tensioned chains should move freely by hand but not sag.
4. Turn eccentric pin (C) to tighten cam plate (D).



5. Close and latch cover.

6 TROUBLESHOOTING

PROBLEM	CHECK	SOLUTION
Grapple does not close.	Grapple jammed.	Remove material from grapple.
	Low oil.	Check oil level in carrier. Add if necessary.
	Not enough oil flow.	Check flow control on carrier. See your dealer.
Grapple does not have much closing power.	Low oil.	Check oil level in carrier. Add if necessary.
	Oil filter plugged.	Replace carrier oil filter.
	Relief valve not set properly.	Set relief valve. Pressure should be between 2,500 and 3,500 psi.
	Not enough oil pressure.	Check hydraulic pressure on carrier. See your dealer.
Saw does not operate.	Saw jammed.	Remove material from saw.
	Low oil.	Check oil level in carrier. Add if necessary.
	Not enough oil flow.	Check flow control on carrier. See your dealer.

7 STORAGE

7.1 Storing

1. Store grapple in a dry place.
2. Clean grapple thoroughly. Dirt will draw moisture and cause rust.
3. Check for loose or missing hardware.
4. Paint parts as necessary.

7.2 Remove From Storage

1. Review Operator's Manual.
2. If parts have been replaced, verify they operate 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 Log Grapple. Select Product Warranty.

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

www.baumalight.com

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