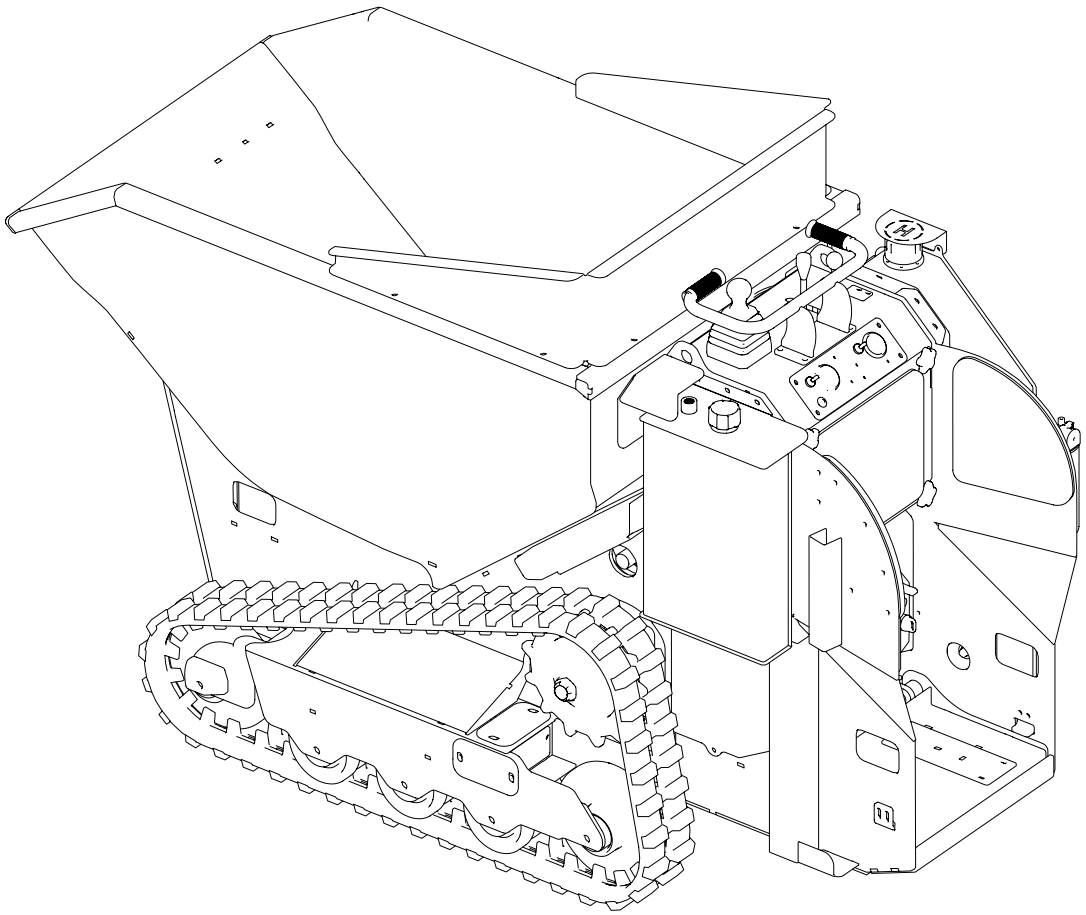


BAUMALIGHT™

DT515RH Tracked Mini Dumper

OPERATOR'S MANUAL

Issue Date: October 2026

⚠ WARNING

Breathing engine exhaust exposes you to chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

Always start and operate the engine in a well-ventilated area.

If in an enclosed area, vent the exhaust to the outside.

Do not modify or tamper with the exhaust system.

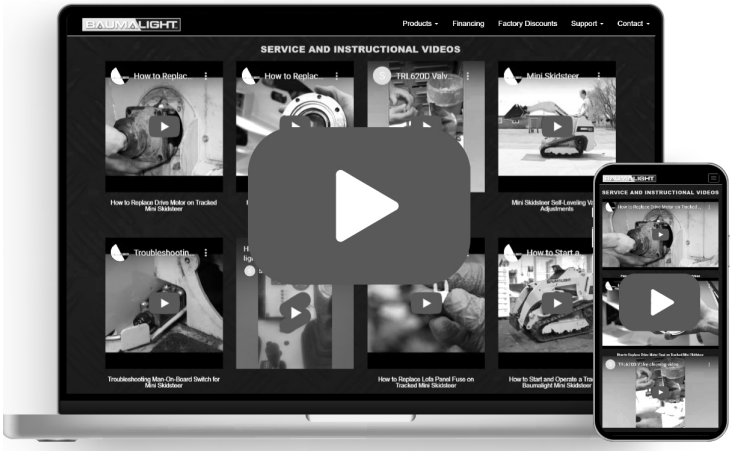
Do not idle the engine except as necessary.

For more information go to www.P65Warnings.ca.gov.

⚠ WARNING

Batteries, battery posts, battery terminals, and related accessories can expose you to chemicals including lead and lead compounds, 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.



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 dumper. 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
430	Hydraulic Cylinder.	Replacing Seals On Hydraulic Cylinder.	Video
360	Track Maintenance.	Causes Of Premature Track Failure.	Document
369	Replacing Drive Pump.	Installing New Drive Pump.	Video
368	Replacing Drive Pump.	Removing Drive Pump.	Video
367	Replacing Fuse.	Locate And Replace Engine Fuse.	Video
366	Track Maintenance.	Adjust Track Tension.	Video
365	Track Maintenance.	Remove Track.	Video
364	Track Maintenance.	Install New Track.	Video
363	Leak.s	Tracing Leaks.	Video
362	Changing Bolts On Aux Pump.	Replacing Bolts On Auxiliary Pump.	Document
361	Track Maintenance.	Tracks Keep Coming Off.	Document
350	Drive Pump Seal.	Replacing Drive Pump Seal.	Video
359	Replacing Drive Motor.	Process Of Replacing Drive Motor.	Video
358	Adjust Ground Speed.	Adjust Speed On Drive Pump.	Document
357	Trouble Shooting Movement In Neutral.	Dumper Moves When Joystick Is In Neutral Or Does Not Drive Straight.	Document
356	First Things To Check Machine Does Not Turn.	Check If Sprocket Is Spinning - Key Is Sheared.	Video

Activity ID Number	Activity Name	Description	Item Available
354	Erratic Driving.	One Side Will Not Stop Driving.	Video
353	Operator Plate.	Adjusting Stiffness Of Operator Plate.	Video
352	Hydraulic Motor.	Breaking In Replacement Hydraulic Motor Or Pump.	Video
351	Replacing Seal.	Replacing Drive Motor Seal.	Video
466	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 Mini Tracked Dumper. 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 dumper requires that you and anyone else who will be operating or maintaining the dumper, read and understand this Operator's Manual.

This manual covers the DT515RH Mini Tracked Dumper. 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.

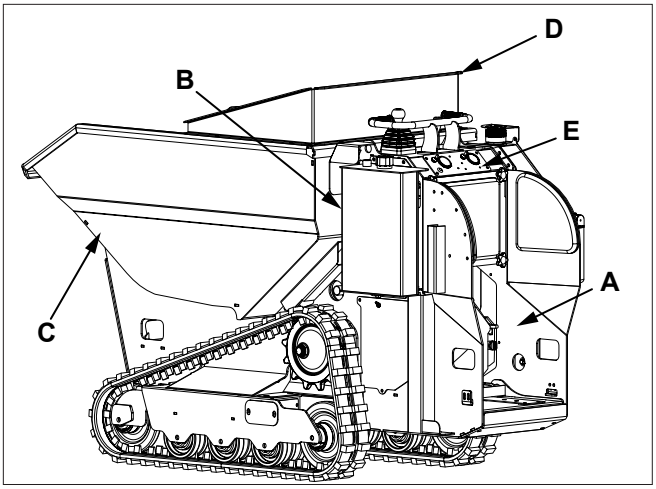
1.2 Intended Use And Foreseeable Misuse

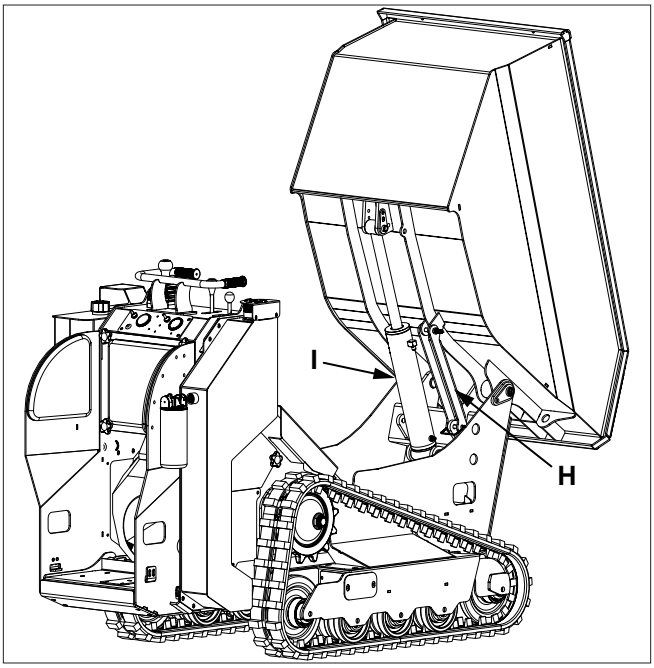
The dumper is designed to be used by experienced operators, trained in the safe operation and hazards related to using the dumper and the safe use of the dumper for the intended purpose. Operators will require personal protective equipment to reduce the risk from some hazards that cannot be completely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

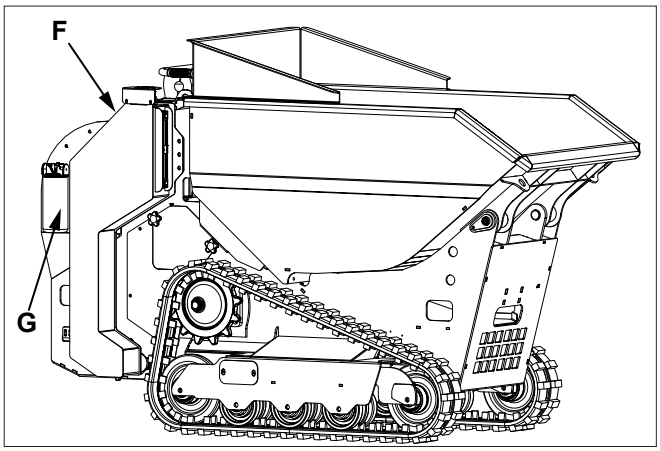
The dumper is not designed for use in hazardous atmospheres where there is a risk of fire or explosion due to flammable gases or vapors. Use in hazardous, explosive atmospheres is prohibited.

Serious injury or death of the operator or bystanders may be caused if the dumper is misused. .

1.3 Components







A. Operators Station
B. Fuel Tank
C. Dumper Bucket
D. Hopper
E. Instrument Panel
F. Hydraulic Fluid Tank
G. Hydraulic Filter
H. Bucket Safety Lock Bar
I. Hydraulic Cylinder

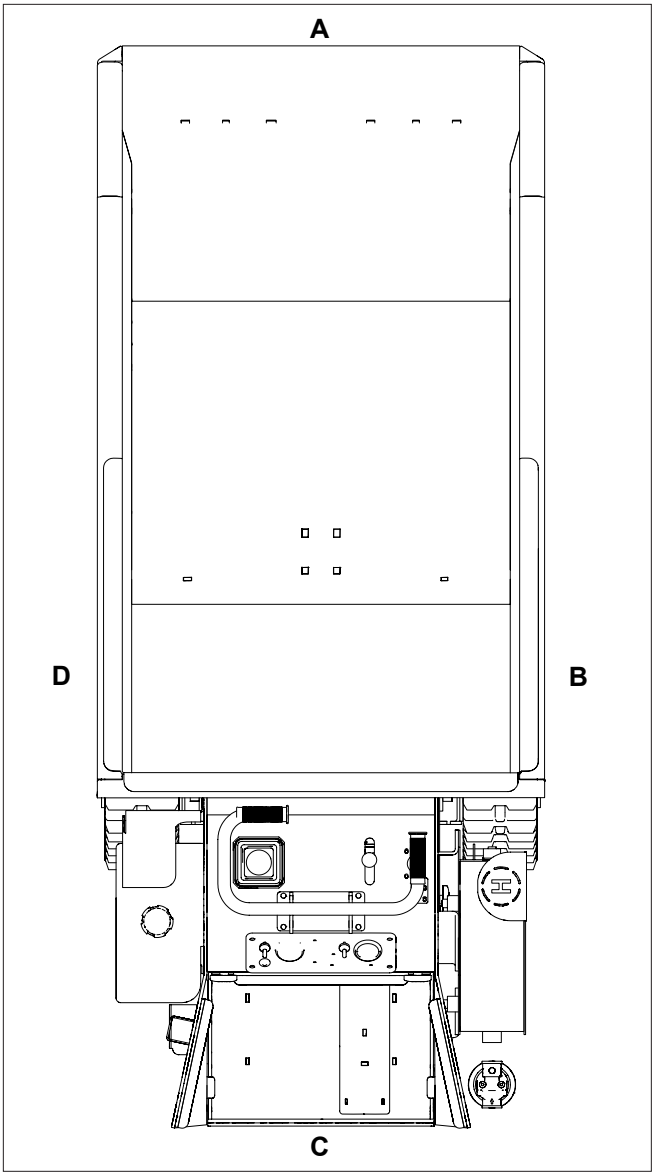
1.4 Serial Number Plate

Record serial number and dates in spaces below.

Serial Number:_____

Date Of Purchase:_____

1.5 Operator Orientation



A. Front
B. Right Side
C. Rear
D. Left Side

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

DANGER

A lowering or falling dumper bucket can result in death or serious injury.

NEVER enter the area under the dumper bucket unless the empty dumper bucket is supported by the bucket safety lock bar.

DANGER

The bucket safety lock bar is designed to support an empty dumper bucket only.

NEVER support a loaded dumper bucket by the bucket safety lock bar.

Unload the dumper bucket before using bucket safety lock bar.

WARNING

Prevent death or serious injury.

Read and understand this manual before operating the dumper.

Always stop engine and remove key before leaving operators station.

Never allow anyone near the dumper during operation.

Travel at a safe speed.

⚠ WARNING

Prevent death or serious injury from moving parts.

Moving parts can crush and dismember.

Do not operate without guards and shields in place.

Disconnect and lockout power source before adjusting or servicing.

⚠ WARNING

Use dumper only for the designed applications.

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

⚠ WARNING

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

An overloaded dumper can cause hydraulic system to malfunction, resulting in dump box falling.

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

⚠ WARNING

Prevent death or serious injury.

Raised unsupported dumper bucket could fall, resulting in death or serious injury.

Never enter the area under raised lift dumper bucket.

⚠ WARNING

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

Raise the dumper bucket 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 dumper. 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 Baumalight at 866-820-5603.

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 dumper.

NEVER use dumper as a work platform.

NEVER allow passengers on the dumper.

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 dumper. 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 Dumper Bucket

⚠ WARNING

Crushing hazard.

Raised unsupported dumper bucket can fall, resulting in death or serious injury.

Never enter the area under raised bucket.

Raised dumper bucket can lower unexpectedly, resulting in death or serious injury.

NEVER enter area under raised dumper bucket.

Lower dumper bucket, engage park brake, shut off engine and remove key before servicing.

2.3 Maintenance Hazards

Before servicing, park machine 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.

Before performing inspections, service or maintenance:

- **Park machine on firm, level surface.**
- **Engage park brake.**
- **Turn engine off and remove key.**
- **Place “Do Not Operate” tag on control panel.**

⚠ DANGER

A lowering or falling dumper bucket can result in death or serious injury.

NEVER enter the area under the dumper bucket unless the empty dumper bucket is supported by the bucket safety lock bar.

⚠ DANGER

The bucket safety lock bar is designed to support an empty dumper bucket only.

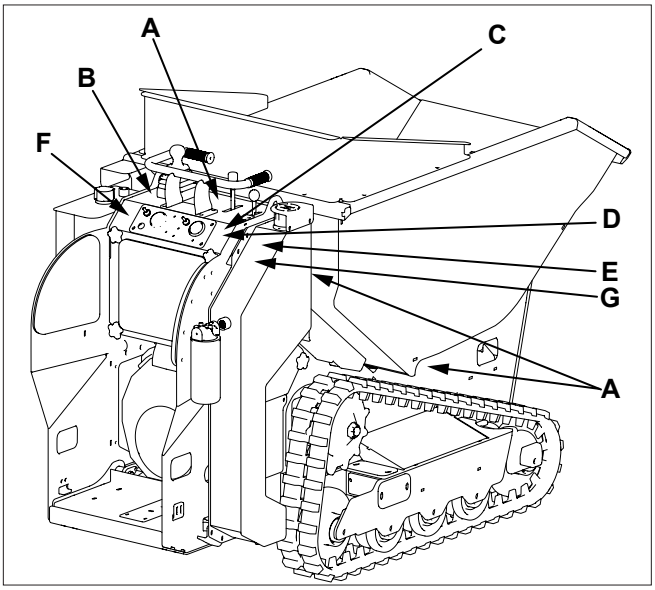
NEVER support a loaded dumper bucket by the bucket safety lock bar.

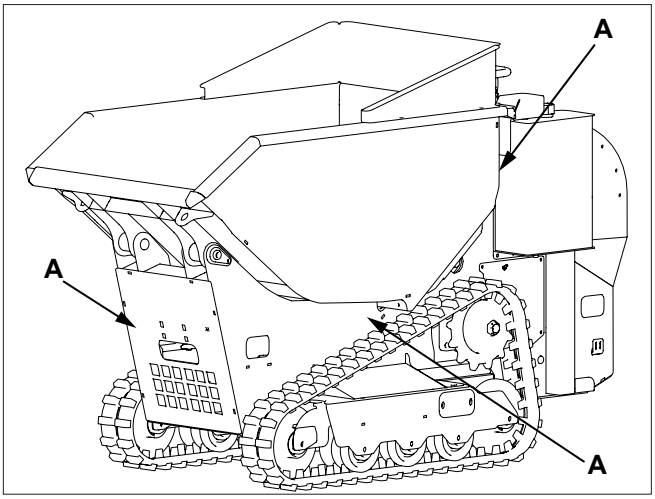
Unload the dump box before using bucket safety lock bar.

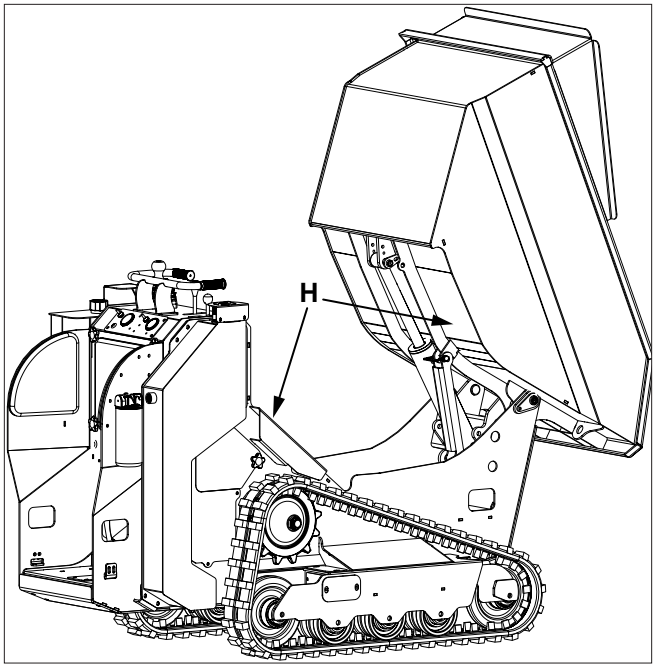
3 SAFETY SIGNS

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.

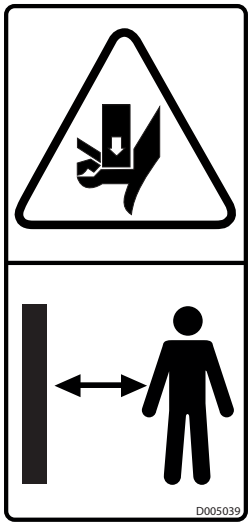
If any of the decals are missing, are damaged, or if you do not understand the decal, please contact your dealer.







A. D005039 ⚠ WARNING - Pinch point / crush hazard. Do not reach into machine. Keep away from machine.



B. D007448 ⚠ WARNING - Do not reverse downhill or drive uphill. Drive downhill and reverse uphill.

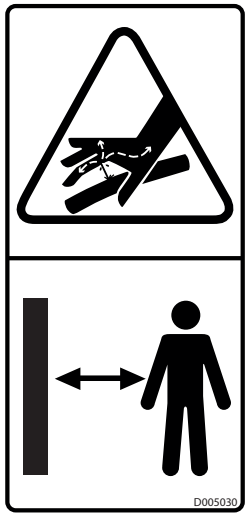


C. D005262 ⚠ WARNING - P65 warning information.

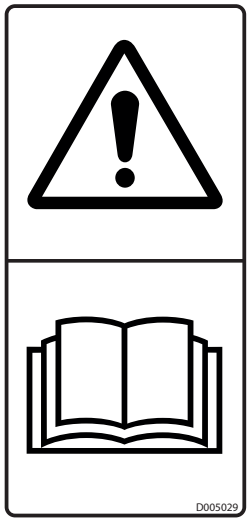
⚠ **WARNING:** This product can expose you to chemicals including 1,3-Butadiene and lead, which are known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

D005262

D. D005030 ⚠ WARNING - Pressurized fluid hazard. Keep away from machine.



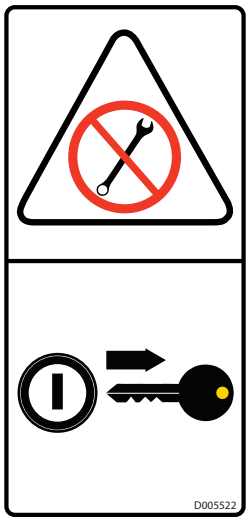
E. D005029 ⚠ WARNING - Read and understand safety signs on the machine and operating instructions in this manual before operating machine.



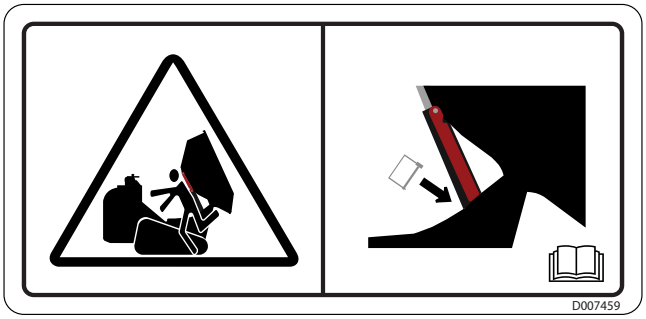
F. D005031 ⚠ WARNING - Wear personal protective equipment appropriate for the job.



G. D005522 ⚠ WARNING - Remove key before performing service.



H. D007459 ⚠ WARNING - Crush hazard. Install service lock.



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.

Stop engine before leaving operators station.

4.2 Before Operation

Before operating, check fuel level, engine oil level, engine coolant level and hydraulic fluid level. Test operation of operator on board switch.

⚠ WARNING

Prevent explosion.

Fuel can cause an explosion or fire. Do not refuel with engine running or near open fire. Never allow fuel, engine oil or hydraulic fluid to spill on hot machine components.

Clean up spilled fuel or oils immediately.

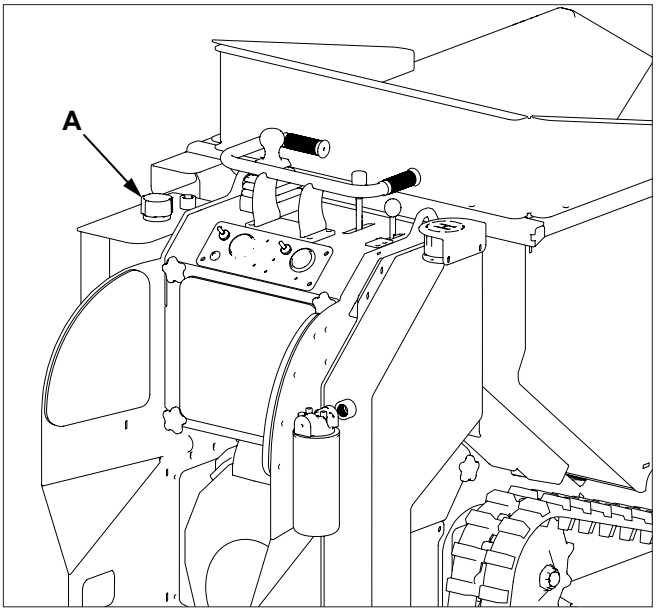
Test Operator On Board Safety Switch

Before operation, test operator on board safety switch to verify it is functioning correctly.

1. Stand on operators platform and start engine. Do not disengage park brake.
2. Step off operators platform. The drive and bucket functions should be disabled if functioning incorrectly. If drive and bucket functions are not disabled, switch engine off and contact a Baumalight dealer. Do not operate dumper if operator on board switch is not functioning correctly.

Fill Fuel Tank

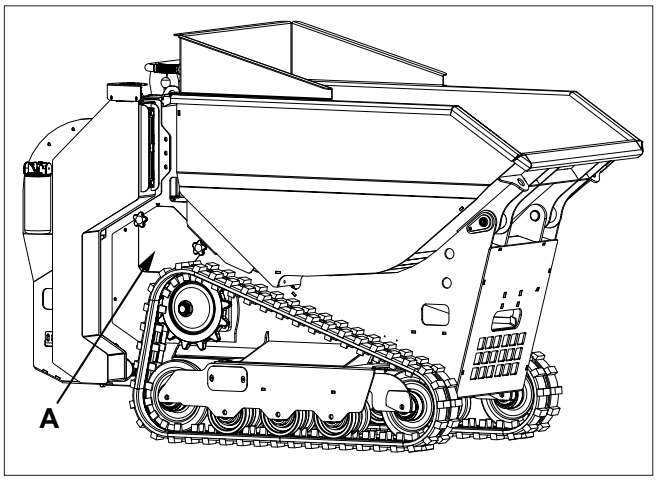
1. Dumper must be parked on a level surface, dumper bucket fully lowered, engine stopped and key removed.



2. Check fuel level on cap/gauge (A).
3. Clean area around fuel tank filler neck.
4. Remove cap/gauge (A) from filler neck and add fuel as needed.
5. Install cap/gauge on filler neck.

Check Engine Oil Level

1. Dumper must be parked on a level surface, dumper bucket fully lowered, engine stopped and key removed.
2. Loosen knobs and remove cover (A).



3. Clean around oil dipstick.
4. Pull out dipstick and wipe clean.
5. Slide dipstick fully into dipstick tube.
6. Pull dipstick out and check oil level on dipstick.
7. If oil level is low, clean around oil filler cap and remove cap.
8. Slowly pour oil through filler cap to raise oil level to the F (full) mark on dipstick.

NOTICE
Prevent engine damage. **Do not overfill crankcase.**

The OEM engine manufacturer specifies the oil be a 4-stroke motor oil that meets or exceeds the requirements for API service category SJ or later (or equivalent).

50 to 105° F (10 to 40° C)	30W
5 to 105° F (-15 to 40° C)	5W-30 or 10W-30
-15 to 105° F (-25 to 40° C)	Synthetic 5W-30

SAE 10W-30 or 5W-30 is recommended for general use. Use a full synthetic for starting/ operating temperatures between 5 to -13° F (-15 to -25° C). Other viscosities shown may be used when the average temperature in your area is within the indicated range.

9. Replace filler cap and dipstick.

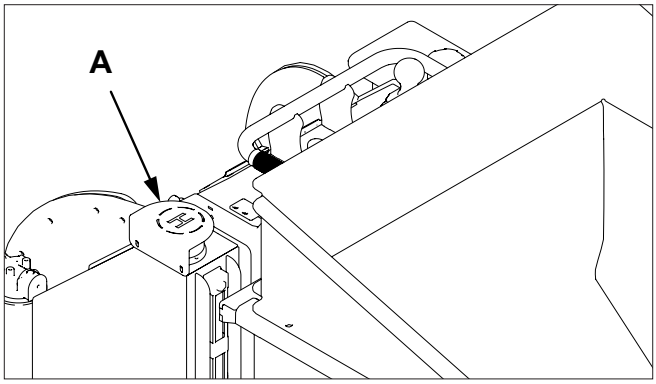
10. Replace cover (A).

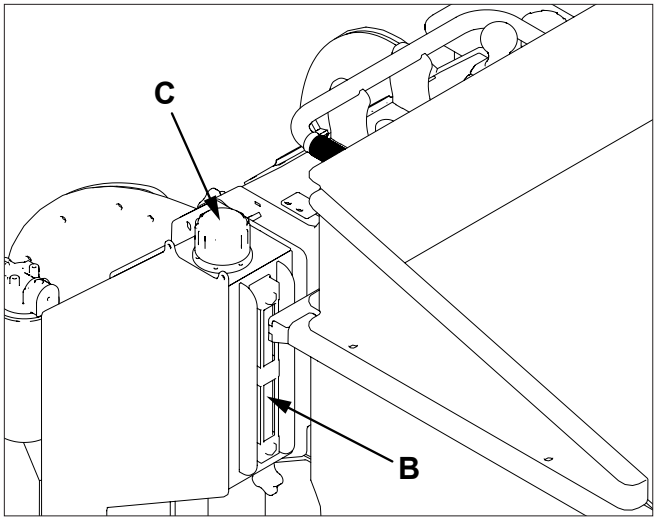
Check Hydraulic Fluid Level

Check hydraulic fluid level before the engine is first started and every 10 hours.

Dumper must be parked on a level surface, park brake engaged, dump box fully lowered, engine stopped and key removed.

11. Remove cover (A).





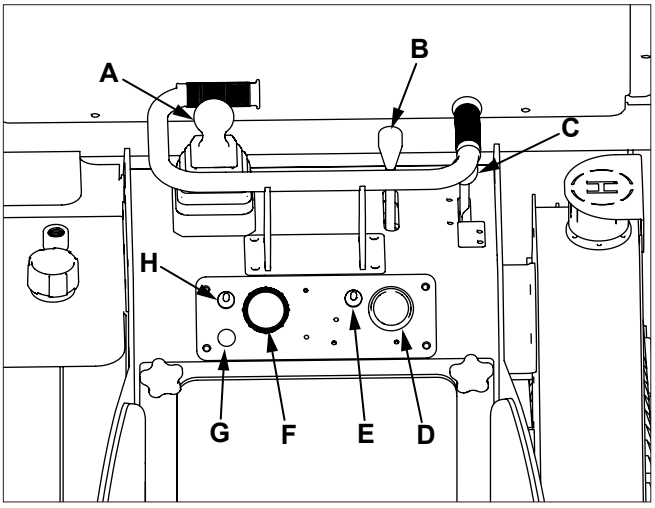
12. Check fluid level in sight glass (B). Hydraulic fluid should fill approximately 50% of the sight glass. If the level is low, add enough fluid to raise it to the proper level. AW32 is recommended for general conditions and climates. MV22 is recommended for colder climates.

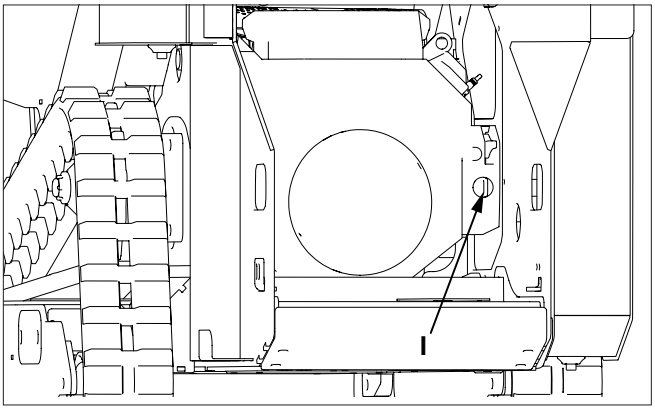
13. Clean the area around hydraulic tank filler neck.

14. Remove the cap (C) from filler neck and add hydraulic fluid as needed.

15. Install the cap (C) on filler neck.

4.3 Machine Controls





A. Drive Joystick
B. Dumper Bucket Control
C. Engine Throttle
D. Hydraulic Fluid Pressure
E. Charge Booster
F. Voltmeter
G. Engine Overheat Light
H. Park Brake On/Off
I. Key Switch

Engine Throttle

Move throttle rearward to increase engine speed and forward to decrease engine speed.

Park Brake

Move switch forward to engage the park brake. Move switch rearward to release park brake.

Key Switch

Key switch has three positions: off, run, and start.

Rotate the key to the start position to start engine.

Release key when engine starts and it will move automatically to the run position.

Rotate key to off position to stop engine.

Charge Booster

In hot ambient conditions, the hydraulic cooler may run frequently and draw down the battery. If voltmeter is indicating less than 12V before stopping engine, toggle and hold charge booster switch and run the engine at full throttle for one minute, then another minute on low idle. This would top up the battery if needed.

Drive Joystick

It is recommended to make gradual sweeping turns.

Push joystick forward (A) to move dumpster forward.

Pull joystick rearward (C) to move dumpster rearward.

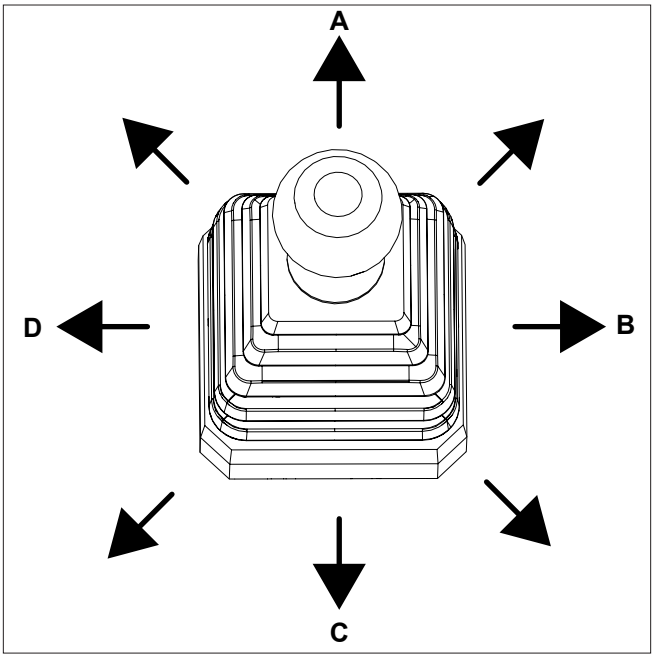
For gradual turns, push joystick forward/left or forward/right and dumpster will slowly turn left or right. Pull rearward for reverse.

For tight turns, move joystick closer to right (B) or left (D) but never straight to (B) or (D) as there is a neutral zone to protect the engine from stalling on a surface with excessive traction.

Full throttle may be desired for experienced operators; inexperienced operators should not try to make tight turns.

The further you move the joystick in any direction, the faster the dumpster will move in that direction.

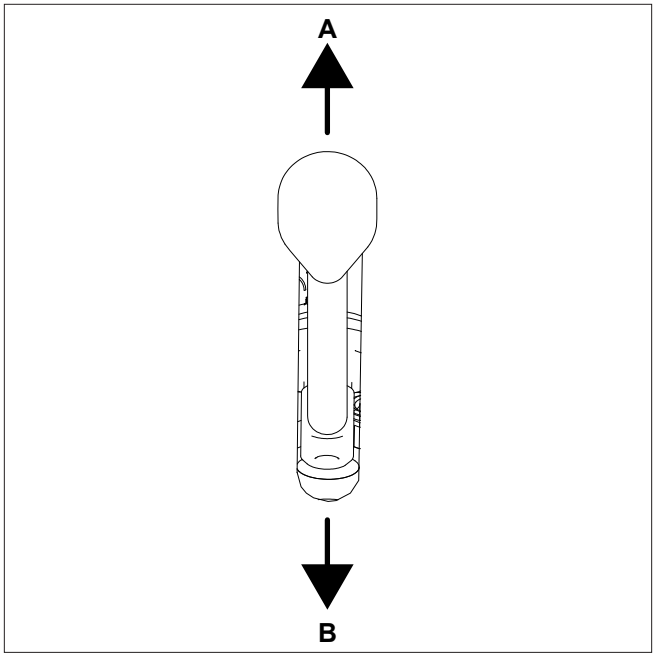
Release joystick or move to the center neutral position to stop movement.



Dumper Bucket Control

Move control forward (A) to lift dumper bucket.

Move control rearward (B) to lower dumper bucket.



4.4 Start And Stop Engine

Refer to OEM engine manual for detailed instructions.

⚠ WARNING

Carbon monoxide hazard.

Always start and operate the engine in a well-ventilated area.

If in an enclosed area, vent the exhaust to the outside.

For more information go to www.P65Warnings.ca.gov.

Start Engine

1. Verify all controls are in neutral.
2. Move throttle lever to low-med position.
3. Turn ignition to start position. Release ignition when engine starts.
4. Allow engine to run for 5 minutes to warm up.
5. Move the throttle lever to desired setting.

Stop Engine

1. Lower dumper bucket.
2. Move controls to neutral position.
3. Engage park brake.
4. Run engine at low idle for five minutes.
5. Turn ignition to stop.
6. Remove key.

4.5 Transporting

⚠ WARNING

Prevent serious injury or death.

Do not operate or drive the dumper on roadways.

⚠ WARNING

Tip over hazard.

When loading onto a trailer, back onto trailer for better weight balance to avoid tip over.

1. Travel at a reasonable and safe speed.

When transporting the dumper on a trailer, use the following procedure:

1. Back dumper onto trailer.
2. Engage park brake and stop engine.
3. Secure dumper to trailer with the proper size and load rated tie downs.

4.6 Bucket Safety Lock Bar

⚠ WARNING

Crushing hazard.

Dumper bucket can drop unexpectedly.

Never go under a raised dumper bucket.

Use bucket safety lock bar for maintenance.

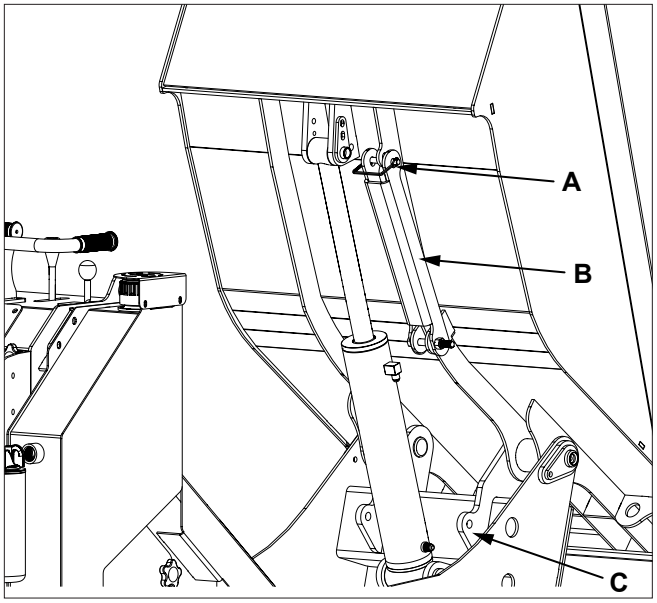
The bucket safety lock bar supplied as part of the machine is to be used only when the dumper bucket is empty. The purpose of the bucket safety lock bar is a back-up to the hydraulic system and will hold the empty dumper bucket in a raised position while performing maintenance on the hoist or the other parts of the machine.

DO NOT use the bucket safety lock bar to support a loaded dumper bucket.

DO NOT enter the area under a raised dumper bucket without first supporting the empty dumper bucket up with the bucket safety lock bar.

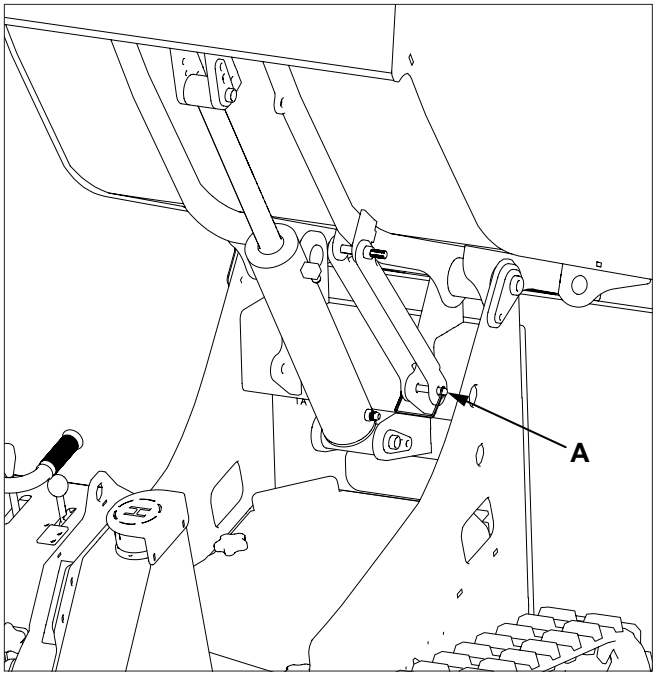
Engage Bucket Safety Lock Bar

1. Start engine.
2. Verify the area is clear of bystanders and obstructions, and fully raise dumper bucket.
3. Engage park brake, shut off engine and remove key.
4. Remove quick lock pin (A) and pivot safety lock bar (B) down until resting on back of bottom frame (C).



Bucket Safety Lock Bar Disengaged

5. Install quick lock pin (A) through hole in lock bar and hole in frame as shown in bucket safety lock bar engaged illustration.



Bucket Safety Lock Bar Engaged

6. Stop engine and remove key.

Disengage Bucket Safety Lock Bar

1. Start engine.
2. Verify the area is clear of bystanders and obstructions.
3. Slightl;y raise bucket to relieve tension on pin (A).
4. Shut off engine and remove key.
5. Remove quick lock pin (A), pivot bucket safety lock bar up and attach to bottom of bucket with quick lock pin (A) in upper hole as shown in Bucket Safety Lock Bar Disengaged illustration.
6. Lower dumper bucket.
7. Shut off engine and remove key.

4.7 First Time User Tips

First, operate all functions in a clear area with throttle at low idle to get a good feel for the controls.

Move the dumper slowly until you have a better feel how much the unit can take.

Each operator must experiment to find a technique that works for them in their application.

4.8 Operation

Slope Operation

Operate up and down slopes with the heavy end of the dumper uphill. An empty dumper bucket will make the rear of the dumper the heavy end. A full dumper bucket will make the front of the dumper the heavy end.

Remove rocks, tree limbs, etc from the work area. Watch for holes, ruts, or bumps.

Do not make sudden changes in speed or direction.

Avoid starting or stopping on a slope. If the dumper loses traction, slowly move straight down the slope. Avoid turning on slopes. If turning is necessary, turn slowly and keep the heavy end of the dumper uphill.

Do not operate near drop off or ditches.

When parking on a hillside or slope, lower dumper bucket and engage park brake.

General Operation

1. Start engine.
2. Disengage park brake.
3. Move throttle to desired position.
4. Operate drive control to move dumper.
5. When operation is completed, lower dumper bucket.
6. Move throttle to low idle position.
7. Engage park brake.
8. Move all controls to neutral position.
9. Allow engine to run for five minutes to cool down.
10. Turn ignition to stop position and remove key.

⚠ WARNING

Crush hazard.

Operation on a slope can result in machine tip over.

See Slope Operation in this section.

4.9 Adjust Ground Speed/Drive Power

The ground drive hydraulic pump is factory set to deliver a equal balance between ground speed and drive power. If more speed/less power, or less speed/more power from the factory setting is desired, use the following steps to adjust pump.

⚠ WARNING

Prevent death or serious injury.

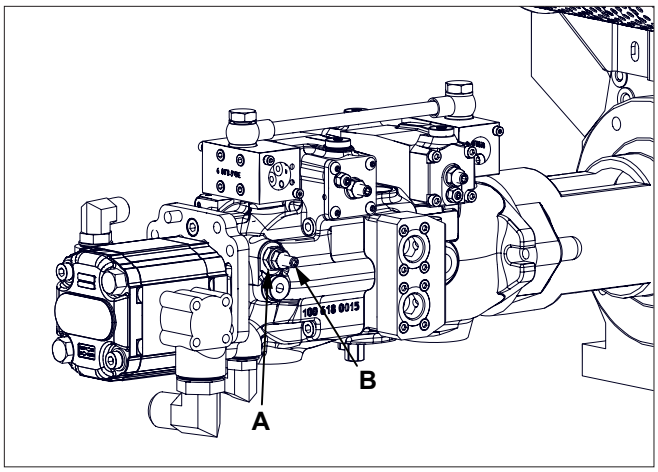
Before performing adjustments:

- **Park machine on firm, level surface.**
- **Lower dumper bucket.**
- **Engage park brake.**
- **Turn engine off and remove key.**
- **Place "Do Not Operate" tag on control panel.**

1. Operate dumper to bring hydraulic fluid to normal operating temperature.
2. Engage park brake, shut off engine and remove key.
3. Open/remove covers to access hydraulic pump.

Note: *Increasing ground speed will reduce the drive power and may result in the engine stalling under load conditions. Adjust in small increments until desired speed/power is achieved.*

4. Hold hex screw (B) and loosen locknut (A).
5. Hold locknut (A) with wrench and rotate hex screw (B) clockwise to increase ground speed, or counter clockwise to decrease ground speed.
6. Hold hex screw (B) and tighten locknut (A), close/install covers and test operation.



5 SERVICE AND MAINTENANCE

ITEM	Initial 10 Hours	Daily Or 10 Hours	Every 20 Hours	Every 100 Hours	Every 250 Hours	Every 500 Hours	Every 1000 Hours	As Required
Check drive sprocket nut tightness.	●							
Check engine oil level.		●						
Check air filter.		●						
Check hydraulic hoses.		●						
Check park brake operation.		●						
Check hydraulic fluid level.		●						
Check coolant level.		●						
Check intake screen.		●						
Check hydraulic cooler.		●						
Check operator on board switch.		●						
Inspect tracks.		●						
General inspection.		●						
Lubricate dumper bucket fittings.			●					
Check track tension.				●				
Check fan belt.				●				
Replace air filter.				●				
Check drive sprocket nut tightness.				●				
Change engine oil and filter.					●			
Replace fuel filter.						●		
Replace hydraulic filter.						●		
Change hydraulic fluid and filter.							●	
Check battery.								●

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 Safety

WARNING

Prevent death or serious injury.

1. **Park machine on firm, level surface.**
2. **Engage park brake.**
3. **Verify all controls are in neutral.**
4. **Stop engine and remove key.**

WARNING

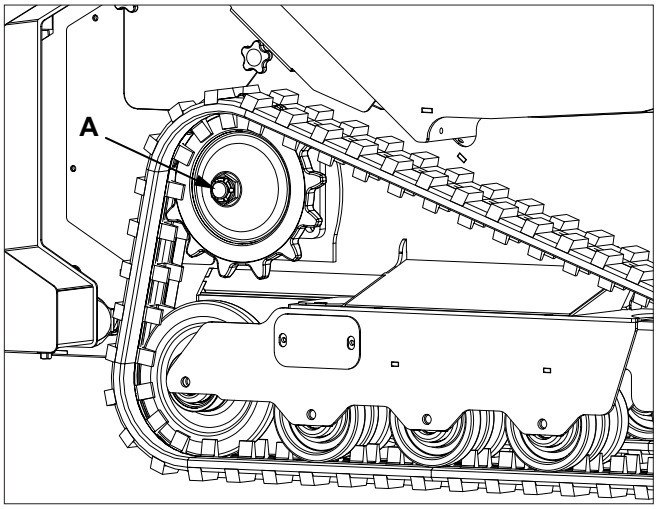
Prevent death or serious injury.

Raised dumper bucket can fall, resulting in death or serious injury.

Never enter the area under raised dumper bucket.

5.2 Initial 10 Hours

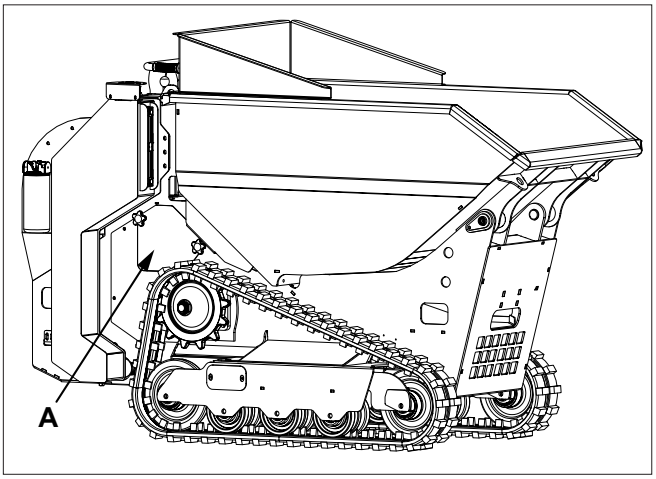
1. Check tightness on drive sprocket nut (A). Tighten nut to 1753 lb ft (2377 Nm) of torque.



5.3 Daily Or Every 10 Hours

Check Engine Oil Level

1. Refer to OEM engine manual for detailed maintenance information. Dumper must be parked on a level surface, park brake engaged, dumper bucket lowered, engine stopped and key removed.
2. Loosen knobs and remove cover (A).



3. Clean around oil dipstick.
4. Pull out dipstick and wipe clean.
5. Slide dipstick fully into dipstick tube.
6. Pull dipstick out and check oil level on dipstick.
7. If oil level is low, clean around oil filler cap and remove cap.
8. Slowly pour oil through filler cap to raise oil level to the F (full) mark on dipstick.

NOTICE
Prevent engine damage. **Do not overfill crankcase.**

The OEM engine manufacturer specifies the oil be a 4-stroke motor oil that meets or exceeds the requirements for API service category SJ or later (or equivalent).

50 to 105° F (10 to 40° C)	30W
5 to 105° F (-15 to 40° C)	5W-30 or 10W-30
-15 to 105° F (-25 to 40° C)	Synthetic 5W-30

SAE 10W-30 or 5W-30 is recommended for general use. Use a full synthetic for starting/operating temperatures between 5 to -13° F (-15 to -25° C). Other viscosities shown may be used when the average temperature in your area is within the indicated range.

9. Replace filler cap and dipstick.
10. Replace cover (A).

Check Engine Air Filter

Refer to OEM engine manual for detailed maintenance information. Check air filter before startup and every 10 hours. Remove and clean as needed.

Check Hydraulic Hoses

1. Dumper must be parked on a level surface, park brake engaged, engine stopped and key removed.
2. Check hydraulic hoses for wear and damage before startup and every 10 hours. Replace worn or damaged hoses.

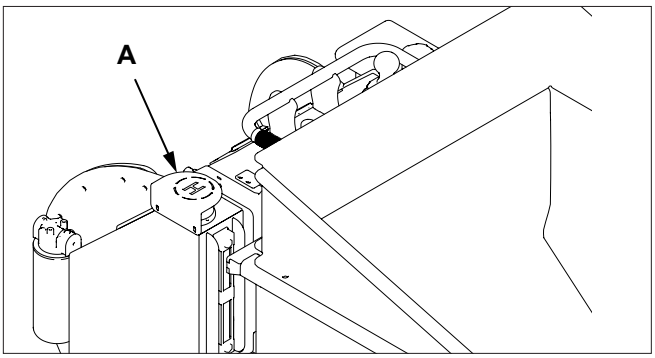
Check Park Brake Operation

Check park brake operation before startup and every 10 hours or more often when conditions warrant.

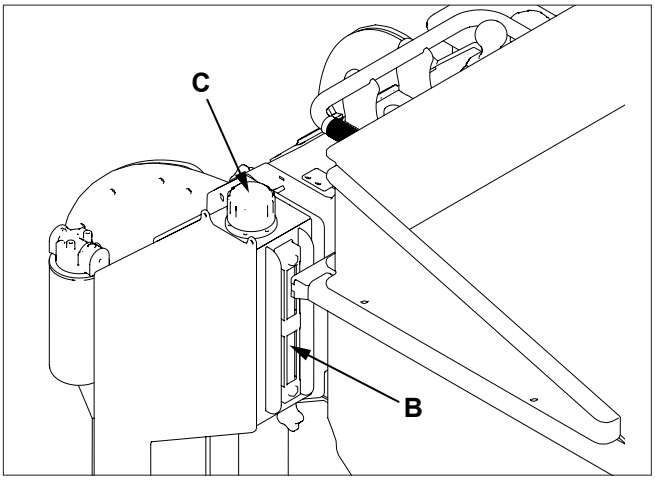
Check Hydraulic Fluid Level

Check hydraulic fluid level before the engine is first started and every 10 hours.

1. Dumper must be parked on a level surface, park brake engaged, dumper bucket fully lowered, engine stopped and key removed.
2. Remove cover (A).



3. Check fluid level in sight glass (B). Hydraulic fluid should fill approximately 50% of the sight glass. If the level is low, add enough fluid to raise it to the proper level. AW32 is recommended for general conditions and climates. MV22 is recommended for colder climates.

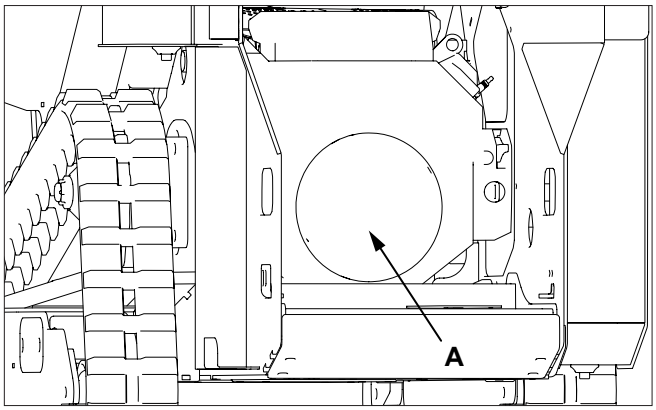


4. Clean the area around hydraulic tank filler neck.
5. Remove the cap (C) from filler neck and add hydraulic fluid as needed.
6. Install the cap (C) on filler neck.

Check Engine Air Intake Screen

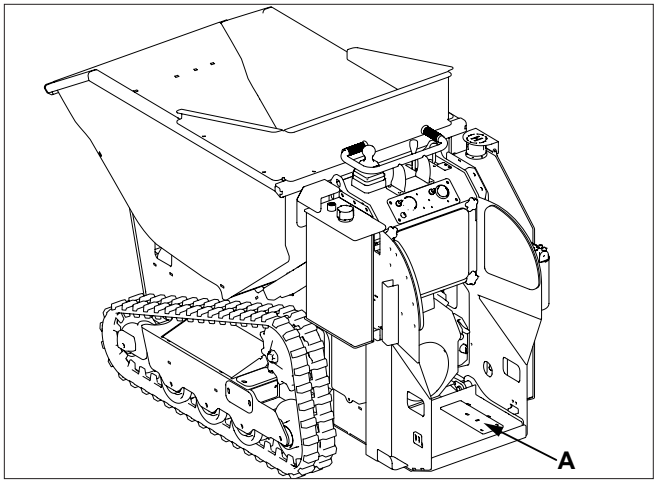
Check engine air intake screen (A) for dirt and debris before startup and every 10 hours.

Clean with compressed air or spray wash if required.



Check Operator On Board Safety Switch

1. Lower dumper bucket, stop engine. Test switch operation before startup and every 10 hours.
2. Stand on operators platform (A) and start engine.



3. Step off operators platform. The drive function should be disabled if safety switch is functioning correctly. If drive function is not disabled, switch engine off and contact a Baumalight dealer. Do not operate dumper if operator on board safety switch is not functioning correctly.

Inspect Tracks

Lower dumper bucket, stop engine and remove key. Inspect tracks for wear and damage before startup and every 10 hours.

General Inspection

Lower dumper bucket, stop engine and remove key. Inspect dumper for damage and worn parts. Repair or replace parts as needed.

5.4 Every 20 Hours

Lubrication

Dumper must be parked on a level surface, park brake engaged, dumper bucket fully lowered, engine stopped and key removed.

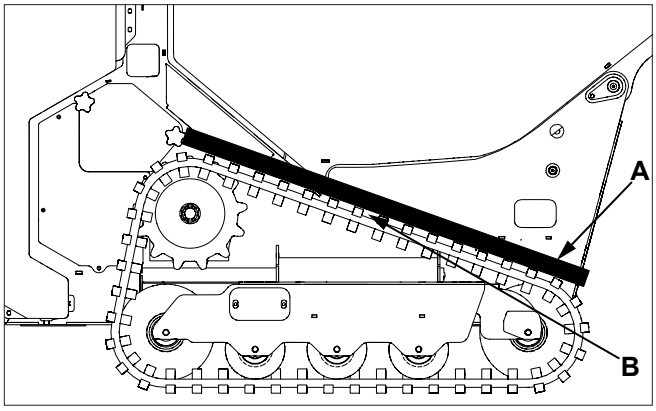
Pump grease into grease fittings on dumper bucket pins every 20 hours.

5.5 Every 100 Hours

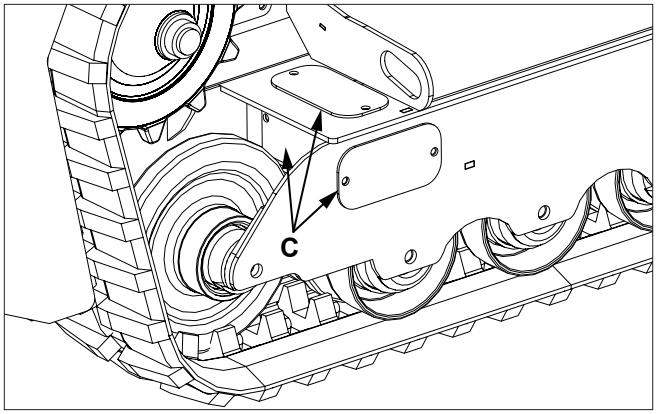
Track Tension

Check track tension every 100 hours and adjust as needed.

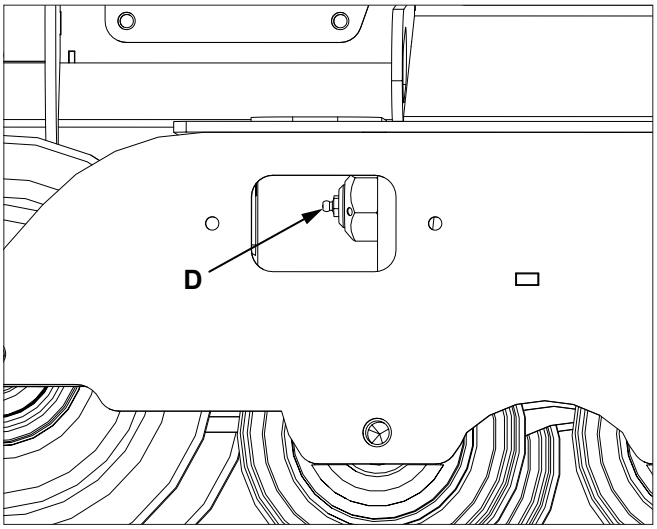
1. Dumper must be parked on a level surface, park brake engaged, dumper bucket fully lowered, engine stopped and key removed.
2. Place a straight edge (A) across top of track as shown.
3. Measure dimension (B) between bottom of straight edge and top of track. Track tension is properly adjusted when dimension (A) is no more than 1 in. (25 mm) when measured near the center of track.



4. If adjustment is necessary follow steps 5-7.
5. Remove one of the three covers (C) to access grease fitting.



6. Pump grease into fitting (D) to adjust track tension so dimension (B) is no more than 1 in. (25 mm). Too much tension will stretch the track.



7. Install covers (C).

Replace Air Filter

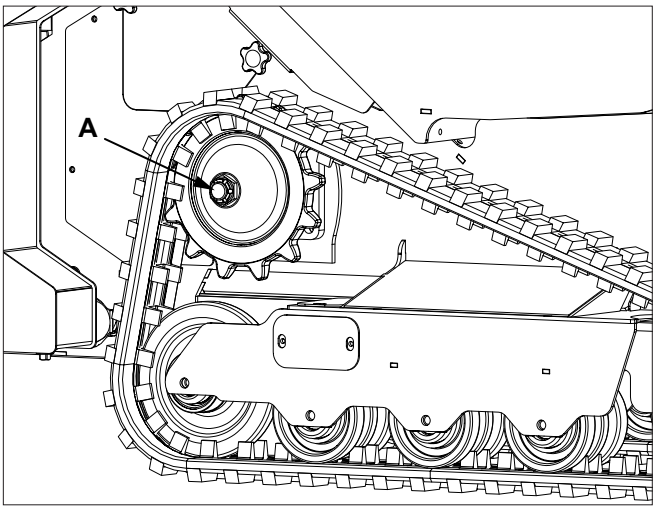
Refer to OEM engine manual for detailed maintenance information.

Replace air filter every 100 hours if operating in dusty conditions.

1. Dumper must be parked on a level surface, park brake engaged, dumper bucket fully lowered, engine stopped and key removed.
2. Open air filter housing and remove filter element.
3. Clean inside of housing and end cap with a damp rag.
4. Insert new filter element and install end cap.

Check Drive Sprocket Nut Tightness

1. Check tightness on drive sprocket nut (A). Tighten nut to 1753 lb ft (2377 Nm) of torque.



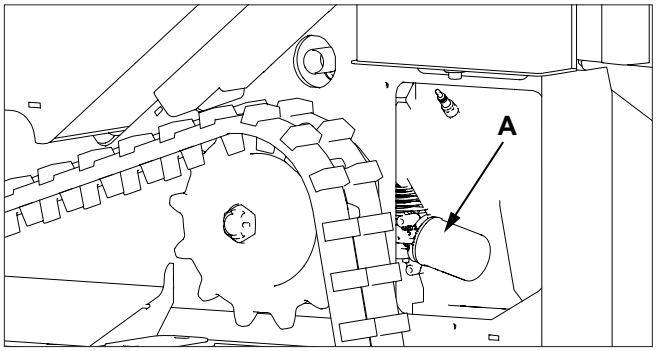
5.6 Every 250 Hours

Change Engine Oil And Filter

Refer to OEM engine manual for detailed maintenance information.

Dumper must be parked on a level surface, park brake engaged, dumper bucket fully lowered, engine stopped and key removed.

Change engine oil and replace filter (A) every 250 hours. Fill oil to full mark on dipstick. See engine operators manual for oil specification.



The OEM engine manufacturer specifies the oil be a 4-stroke motor oil that meets or exceeds the requirements for API service category SJ or later (or equivalent).

50 to 105° F (10 to 40° C)	30W
5 to 105° F (-15 to 40° C)	5W-30 or 10W-30
-15 to 105° F (-25 to 40° C)	Synthetic 5W-30

SAE 10W-30 or 5W-30 is recommended for general use. Use a full synthetic for starting/ operating temperatures between 5 to -13° F (-15 to -25° C). Other viscosities shown may be used when the average temperature in your area is within the indicated range.

5.7 Every 500 Hours

Replace Fuel Filter

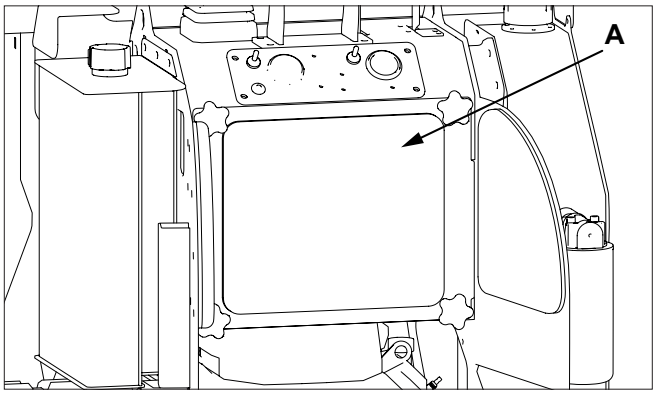
Refer to OEM engine manual for detailed maintenance information.

1. Dumper must be parked on a level surface, park brake engaged, dumper bucket fully lowered, engine stopped and key removed.
2. Replace filter every 500 hours.
3. Replace filter every 500 hours.

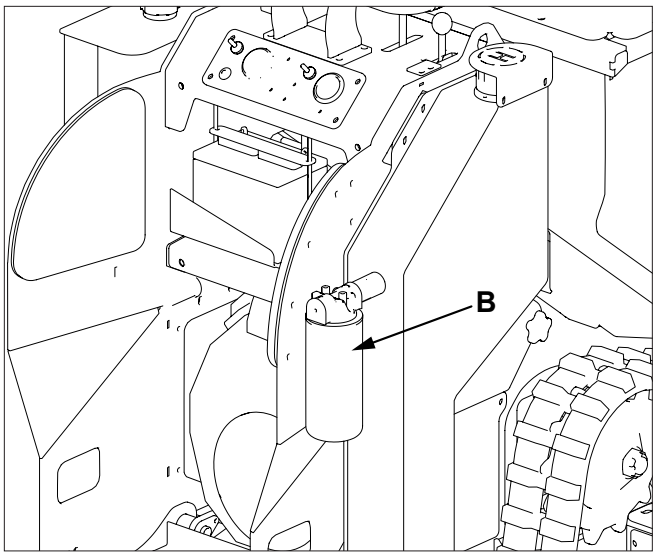
Replace Hydraulic Filter

Replace hydraulic filter every 500 hours.

1. Dumper must be parked on a level surface, park brake engaged, dumper bucket fully lowered, engine stopped and key removed. Allow hydraulic system to cool to ambient temperature.
2. Loosen knobs and remove cover (A).



3. Close valve between tank and hydraulic filter head.
4. Remove and replace hydraulic filter (A).



Open valve and check hydraulic fluid level. Add hydraulic fluid if necessary. AW32 is recommended for general conditions and climates. MV22 is recommended for colder climates.

5.8 Every 1000 Hours

Change Hydraulic Fluid And Filter

Change hydraulic fluid and replace filter every 1000 hours. Change fluid and replace filter every 500 hours if operating in extreme conditions.

NOTICE

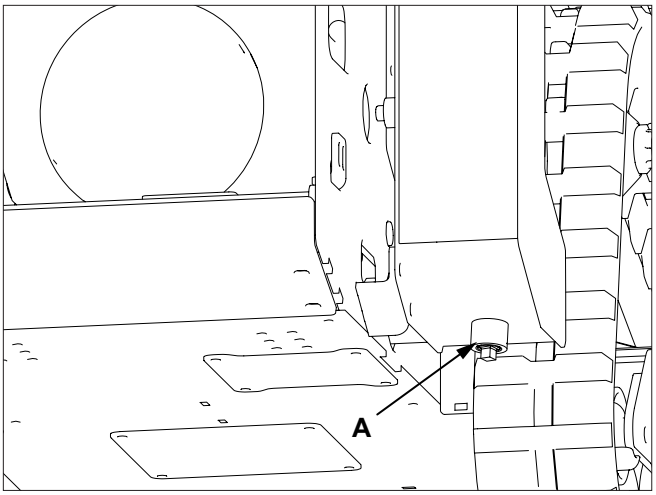
Dispose of waste properly.

Improper disposal of waste can harm the environment.

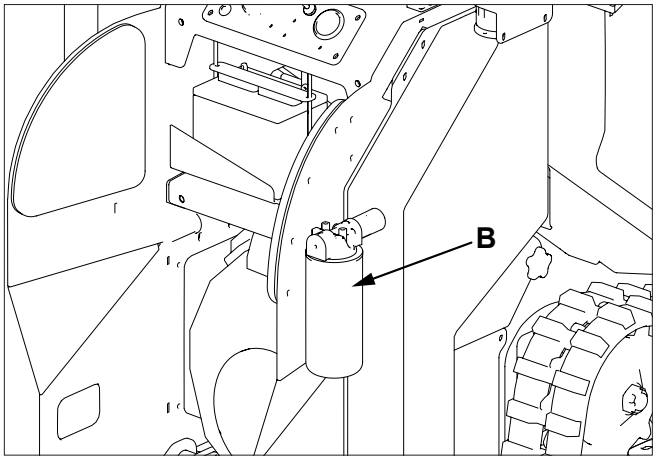
Use leak proof container when draining fluids. Do not use food or beverage containers.

Contact your local environmental or recycling center for the proper way to recycle or dispose of waste.

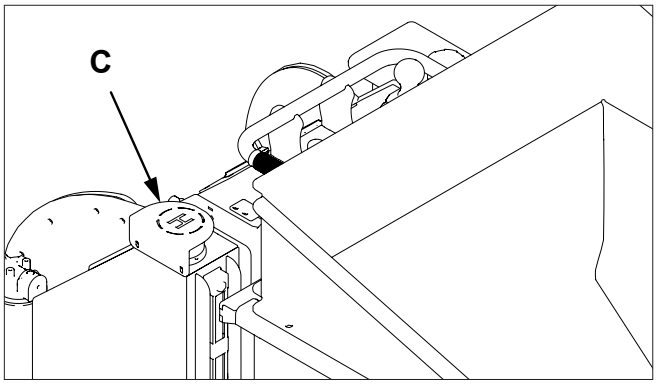
1. Dumper must be parked on a level surface, park brake engaged, dumper bucket fully lowered, engine stopped and key removed. Allow hydraulic system to cool to ambient temperature.
2. Remove drain plug (A) and drain hydraulic fluid into a suitable container. Install plug after draining.

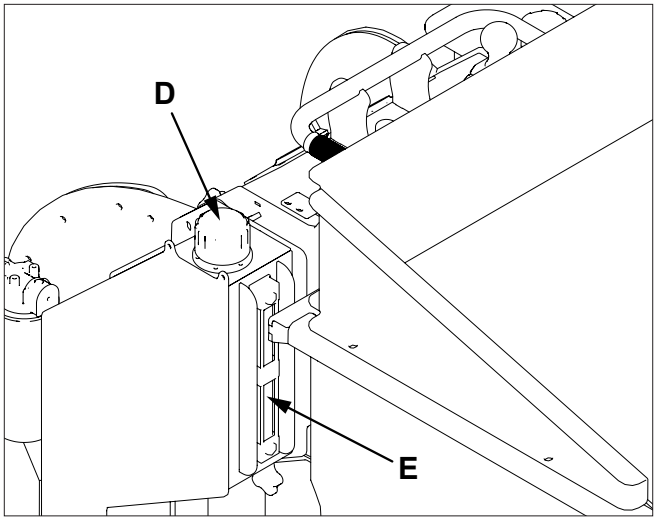


3. Remove and replace hydraulic filter (B).



4. Install cover, remove cap (C) and add hydraulic fluid. Hydraulic reservoir capacity is 8.5 gal (32 L). Hydraulic fluid should fill approximately 50% of sight glass (D). AW32 is recommended for general conditions and climates. MV22 is recommended for colder climates.
5. Remove cover (C).





6. Check fluid level in sight glass (E). Hydraulic fluid should fill approximately 50% of the sight glass. If the level is low, add enough fluid to raise it to the proper level. AW32 is recommended for general conditions and climates. MV22 is recommended for colder climates.
7. Clean the area around hydraulic tank filler neck.
8. Remove the cap (D) from filler neck and add hydraulic fluid as needed.
9. Install the cap (C) on filler neck.

5.9 As Required

Check Battery

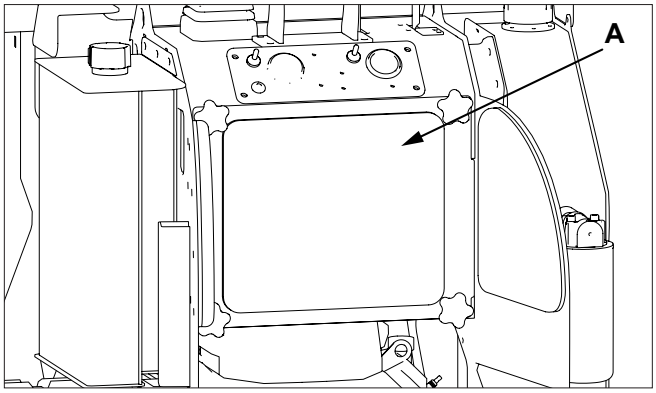
Check battery as needed. Keep battery clean and terminals free of corrosion.

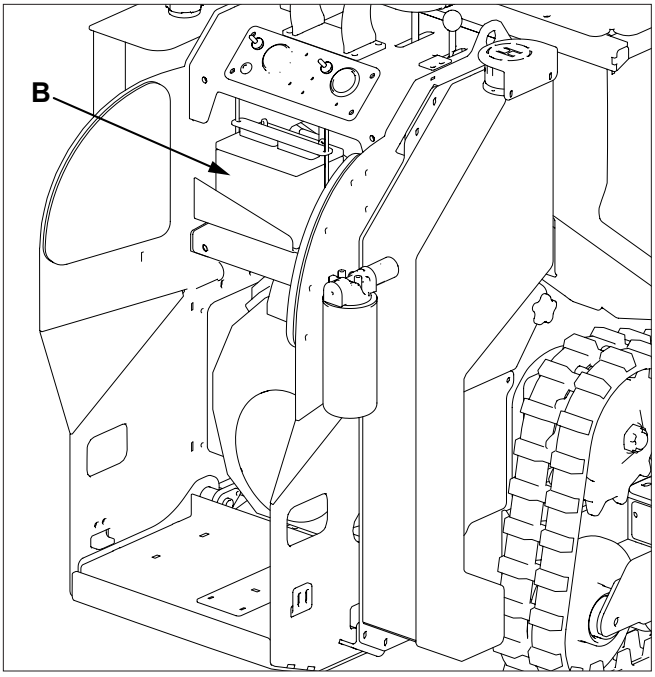
⚠ WARNING

Batteries, battery posts, battery terminals, and related accessories can expose you to chemicals including lead and lead compounds, 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.

1. Dumper must be parked on a level surface, park brake engaged, dumper bucket fully lowered, engine stopped and key removed.
2. Loosen knobs and remove cover (A) to access battery (B).





3. Loosen and remove negative (-) battery cable clamp.
4. Loosen and remove positive (+) battery cable clamp.
5. Clean cable clamps and terminals.
6. Check cables for wear, damage or corrosion. Replace cables if necessary.
7. Connect positive (+) battery cable clamp.
8. Connect negative (-) battery cable clamp.
9. Verify battery tie downs are tight.
10. Install cover (A).

6 TROUBLESHOOTING

PROBLEM	CHECK	SOLUTION
Engine overheating.	Air intake restricted.	Replace air filter and check intake system.
Hydraulic fluid overheating.	Hydraulic fluid level low.	Add hydraulic fluid.
	Hydraulic cooler clogged	Clean cooler.
	Hydraulic cooler fan not running.	Check fan operation. Check fuse.
	Hydraulic filter clogged.	Replace filter.
	Repeatedly exceeding hydraulic system limits causing hydraulic fluid to flow over relief valve.	Ease up operation, don't exceed limits of the machine.
Weak hydraulic function.	Hydraulic filter clogged.	Replace filter.
	Engine throttle set too low.	Increase engine speed.
	Hydraulic relief valve set too low.	Contact your Baumalight dealer for assistance.
Engine starts but no other functions operate.	Blown fuse.	Check fuse on circuit from instrument panel. Replace fuse in harness located behind the instrument panel in the engine compartment.
Engine will not crank over.	Main fuse blown.	Check fuse located behind ignition switch. See baumalight.com for video.
	Faulty wiring.	Check for worn or damaged wiring. Repair wires or replace harness if necessary.
Engine cranks over but does not start.	Battery discharged.	Charge and load test battery. Replace battery if necessary.
	Solenoid failure.	Test solenoid. Replace solenoid if necessary.
	Faulty wiring.	Check for worn or damaged wiring. Repair wires or replace harness if necessary.

PROBLEM	CHECK	SOLUTION
Unit will not move.	Park brake engaged.	Disengage park brake.
	Operator platform not engaged.	Operator must be standing on operator platform. Check operator platform to verify switch is engaging.
	Operator on board switch not functioning properly.	Check switch operation. Replace switch if necessary.
	Fuse blown.	Check fuse on circuit from panel. Replace fuse in harness located behind the instrument panel in the engine compartment.
Dumper bucket will not raise.	Operator platform not engaged.	Operator must be standing on operator platform. Check operator platform to verify switch is engaging.
	Park brake engaged.	Disengage park brake.
	Fuse blown.	Check fuse located behind ignition switch. See baumalight.com for video.

7 STORAGE

7.1 Storing

1. Store dumper in a dry place.
2. Clean dumper 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 Dumper. Select Product Warranty.

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

www.baumalight.com

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