

HANSA L13

Operation, maintenance and safety manual



All operators must fully read and understand this operator's manual before using the splitter. Keep this manual for future reference.



3 YEAR | GLOBAL WARRANTY

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What can my Hansa log splitter process?

Intended uses of the log splitter

The Hansa L7 log splitter is designed to split logs with a maximum length of 450 mm and a recommended maximum diameter of 600 mm.

It is designed to be used on a regular basis to process firewood. **DO NOT** use the log splitter for any other purpose.

Maximum Log dimensions:

- ✓ Maximum length 450 mm
- ✓ Maximum recommended diameter 600 mm
- ✓ Maximum cutting stroke 460 mm

Do NOT process:

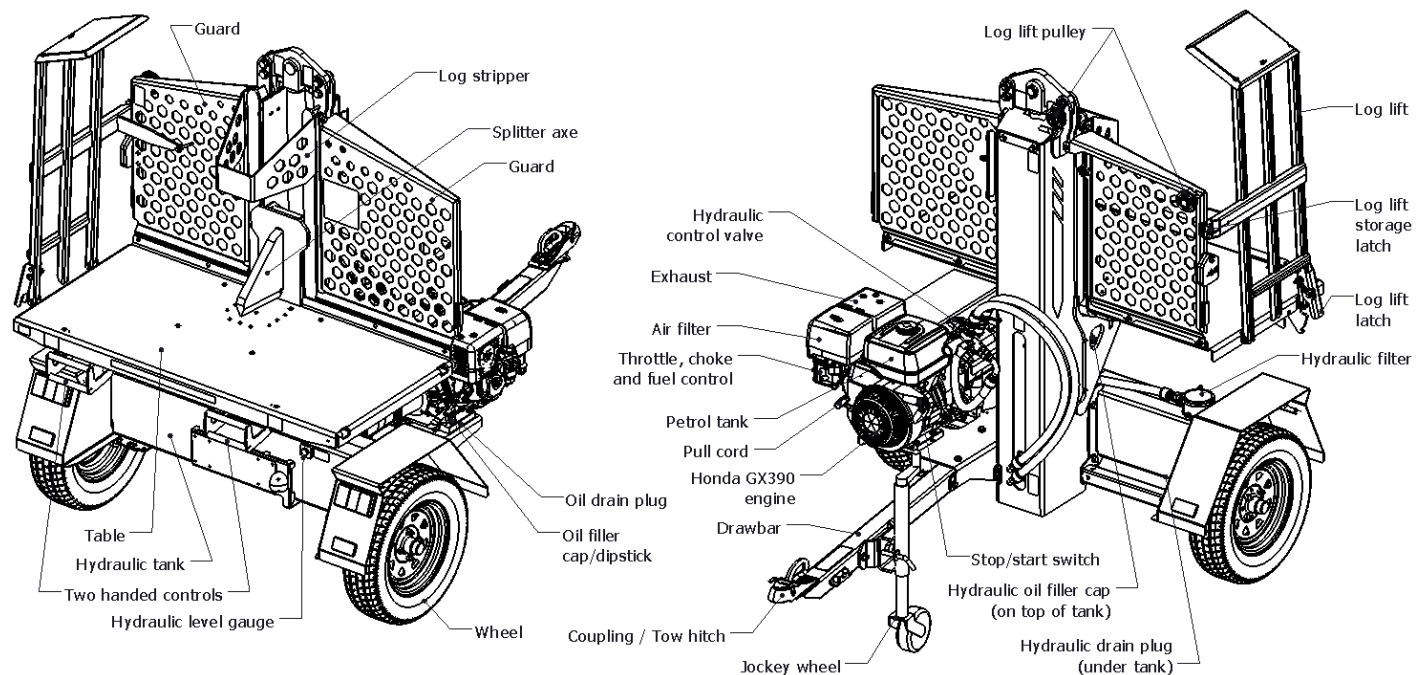
- ✗ Logs containing nails or any other metal objects
- ✗ Anything other than wood

If you have any questions, contact your authorised dealer.

⚠ Do NOT exceed 450 mm log length

Receiving your Hansa log splitter

Log splitter components



Safety

Preventing accidents is the responsibility of every equipment operator. The operator is responsible for any accidents or hazards occurring to people or their property. Ensure every operator is familiar with the safe operation procedures and controls of the machine, how to identify hazards, and the steps required to avoid injury while handling and operating the log splitter. Relevant information is contained in this manual.

- ✗ **Do NOT** modify the design of the log splitter.

Operator competency

- ✔ Ensure that every person operating the log splitter understands and follows the safe operating and maintenance procedures as detailed in this manual.
- ✗ **Do NOT** allow persons below the age of 18 to operate the log splitter. Additionally, local regulations may restrict the age of the operator.
- ✗ **Do NOT** allow persons with reduced physical, sensory or mental capabilities, or lack of experience and knowledge to operate the machine.

Identifying hazards and risks

Identify hazards and risks and take preventive steps to avoid accidents and minimise risk. Possible hazards include, but are not limited to, moving parts, ejected objects, weight of log splitter and components, and the operating environment.

Below is a list of hazards and actions required to prevent injury.

 Hazard	Risk	Corrective action
 Sharp axe edge	Cuts, scrapes, severing	Take care when manoeuvring logs under the axe. Keep limbs clear of axe edge at all times. Wear tight fitting gloves.
 Extreme axe cutting forces	Pinching, crushing, cutting, severing	Keep your face and body out of the splitting area ✗ Do NOT extend hands/arms under the splitting axe ✗ Keep hands clear of moving hydraulic hoses on the backside of the axe housing. ✗ Keep hands clear of the hydraulic cylinder and channel cavity exposed above the moving axe head.
 Log lift	Crushing, severing, loss of balance causing a fall	Keep hands clear of log lift pivots and lifting cable. The operator and bystanders must be kept clear of the log lift area
 Exhaust Fumes	Respiratory irritation	Place the log splitter in a manner that the operator is not exposed to direct exhaust fumes. Do not operate the log splitter in an enclosed area.
 Hot Exhaust	Heat burns	Keep bare hands and other body parts a safe distance away from hot exhaust
 Fire	Heat burns	Clear any build-up of splitting debris around the engine and exhaust regularly
 Falling objects	Crushing, cuts and scrapes	Always wear protective footwear when operating the machinery
 Manoeuvring logs	Splinters in hands, cut and scrapes	Always wear tight fitting protective gloves when operating the machinery. Wear tight fitting long sleeves and pants to cover bare skin when operating the machinery.

⚠ Ejected material	Eye injury, cuts & scrapes Potential misuse - Splitting a log ring against the grain may exceed the design characteristics of the machine, splinter wood and cause log ring to eject from splitting area	Do NOT split wood against or across the grain. Wear safety gloves. Wear tight fitting long sleeves and pants to cover bare skin when operating the machinery. Always wear safety glasses when operating the machinery.
⚠ Removal of blockage	Pinching, crushing, cutting, severing	Do NOT touch the axe, or any moving parts when they are moving. Take care when removing blockages, shut down the engine first.
⚠ Sound	Damage to hearing	Always wear hearing protection when operating the machinery
⚠ Dust	Injury or irritation of the eyes Respiratory irritation	Wear safety glasses. Avoid processing material that contains buildup of sawdust or dry dirt. Wear a dust mask if the hazard cannot be eliminated.
⚠ Weight of the log splitter	Straining, crushing	Place the machinery on firm level ground
⚠ Weight of the logs being split	Straining	Always use the log lifter to elevate logs to the table
⚠ Petrol, oil, grease	Poisoning, skin irritation, harmful vapours	Take care when handling petrol, oil and grease Wash skin if contaminated with petrol, oil or grease ❌ Do NOT refuel the log splitter in enclosed areas

Towing safety

- ✅ Raise the log lift and secure to the guard with the supplied latch
- ✅ Secure the log lift cable counterweights
- ✅ It is recommended that the splitting axe is in the lowest position when towing
- ✅ Connect tow coupling to the towing vehicle (check the ball dimensions are the same as the coupling)
- ✅ Connect safety chain with shackle
- ✅ Plug in lights and check they are operational
- ✅ Check wheel nuts periodically to make sure they are secure
- ✅ Ensure the jockey wheel is in the up position and stowed / locked away during towing
- ✅ Ensure the machine is towed in accordance with local trailer transport regulations
- ✅ Take care when towing on a slope or over rough ground
- ✅ Do not exceed 90 km/h. Reduce speed on uneven terrain

Operation

The log splitter is hydraulically operated via a three position manually operated valve.

A log lift is included to raise the cut logs from the ground to the table.

- Maximum log length is 450 mm
- Maximum recommended log diameter 600 mm

Safe setup procedure

Before you start:

- ✅ Ensure the log splitter is positioned in an open area and on firm level ground

- ✔ Ensure the wheels are chocked and the jockey wheel secured to prevent unintended movement of the log splitter during operation
- ✔ It is recommended that the splitter is attached to the towing vehicle during operation, as this will increase stability
- ✔ Ensure that there is sufficient space to accumulate the split wood on the ground or in a bin
 - ✘ **Do NOT** allow the processed wood to accumulate on the table
- ✔ Keep children, pets and bystanders clear of the work area at all times
 - ✘ **Do NOT** operate the log splitter where there is a hazard to bystanders
 - ✘ **Do NOT** allow any person under the age of 18 to operate the log splitter
- ✔ Check:
 - ✔ That all screws, nuts, bolts, and other fasteners are properly secured
 - ✔ That all log splitter components are in place and in good condition
 - ⇒ If any parts are worn or damaged, contact Hansa for replacements
 - ✔ That fuel and engine oil levels are above the minimum levels
 - ✔ That the fuel cap is secured and there is no fuel leaking from the tank
 - ✔ That hydraulic oil level is above the minimum level
 - ✔ Check all hydraulic components and hoses for leaks
 - ✔ That the tyres are in good condition and are inflated to the proper pressure
 - ✔ That all labels are in good condition and easily legible
 - ⇒ Replace damaged or unreadable labels
 - ⇒ View photos of labels in the 'Decals' section
- ✔ Refuelling:
 - ⚠ Take extra care in handling fuels
 - ⇒ They are flammable and vapours are explosive
 - ⚠ Use only an approved fuel container
 - ✔ Always replace and securely tighten fuel cap after refuelling
 - ✔ Allow engine to cool down before refuelling
 - ✔ If you need to drain the fuel, ensure this is done outside
 - ✘ **Do NOT** smoke when using or refuelling the log splitter
 - ✘ Never remove fuel cap or add fuel with the engine running
 - ✘ Never refuel the log splitter indoors
 - ✘ Never store the log splitter or fuel container inside where there is an open flame, such as a water heater
 - ✘ If fuel is spilled, do not attempt to start the engine. Wipe up the spilled fuel, and move the log splitter away from the area of spillage before starting

Safe operating procedure

✔ DO:

- ✔ **Wear safety equipment:** Safety glasses, hearing protection, protective footwear and protective gloves must be worn at all times. Ensure that the gloves fit tightly.
- ✔ Tie long hair up
 - ⇒ Long hair could be pulled into the log splitter
- ✔ Wear clothes that sit tightly
 - ⚠ Avoid scarves and any items that can get caught in the log splitter
- ✔ Keep your hands, or any part of the body, clear of the log and splitting axe when in use
- ✔ Stand clear of the log lift when it is in use
- ✔ Ensure the log splitter is operated by one person only. 'Operated' means:
 - ⇒ Placing logs on the log lift or in the splitting zone
 - ⇒ Operating the control lever
 - ⇒ Removing split pieces from the splitting zone
- ✔ Keep bystanders at a safe distance
- ✔ Place the log splitter on even, level, ground and ensure the wheels are chocked so it does not move during operation.
- ✔ Ensure the exhaust is pointing away from the working area and downwind from the operator and bystanders
- ✔ Keep proper balance and footing at all times and stand at the same level as the log splitter
 - ✘ **Do NOT** overreach
 - ✘ **Do NOT** run near the machine



- ✔ Cut logs to a size that suits the log splitter's capabilities
- ✔ Remove side branches from the logs
- ✔ Only split logs with flat / parallel ends
- ✔ Keep the engine clean of debris and other accumulations
 - ⚠ This prevents overheating or damage to the engine or possible fire
- ✔ Turn off the engine whenever you leave the work area

DO NOT:

- ✗ Run the log splitter in an enclosed area
 - ⚠ Exhaust fumes contain carbon monoxide, which is poisonous, colourless, odourless, and tasteless
- ✗ Operate the log splitter wearing loose clothing and untied long hair
- ✗ Operate, or let anyone else operate, the log splitter while under the influence of alcohol, drugs, or medication
- ✗ Operate the log splitter on icy, wet, muddy or otherwise slippery ground
- ✗ Only operate the log splitter on level ground
 - ⇒ Operating on a slope could cause the log splitter to roll over or logs to fall off the equipment, which could result in an injury to the operator
- ✗ Split anything other than wood
- ✗ Split a log against or across the grain
- ✗ Split logs that have tapered ends
- ✗ Split more than one log at a time (do not double stack logs)
- ✗ Put hands or any other part of the body or clothing:
 - ⇒ Between the log and the moving axe
 - ⇒ Between log and splitter column
 - ⇒ Near any moving part
- ✗ Let bystanders within 1.5m of the machine
- ✗ Operate the splitter with more than one person
- ✗ Operate the splitter with the drawbar in the stored position
 - ⇒ The drawbar must be in the down / towing position with the jockey wheel extended, when being operated
- ✗ Overload the log lifter
- ✗ Allow split material to build up on the worktable.
 - ⇒ Clear split material from the worktable regularly
- ✗ Split logs containing nails or other metal objects
 - ⇒ This could damage the sharp edge of the splitting axe, and the objects could be ejected and injure the operator
- ✗ Overload the log splitter
 - ⇒ Overloading the log splitter could lead to portions of logs being ejected and injure the operator
- ✗ Clear material jammed on axe with the machine running
 - ⇒ Shut down the machine before clearing material jammed on the axe
- ✗ Transport the log splitter while the engine is running
- ✗ Move the log splitter over hilly or uneven ground without a tow vehicle or adequate help
- ✗ Tamper with the engine governor settings on the log splitter
 - ⇒ The governor controls the maximum safe operating speed and protects the engine and all moving parts from damage caused by overspeed
- ✗ Move or tilt the machine while it is running
- ✗ Touch any guards or stick hands between guards while the log splitter is running
- ✗ Remove any guards on the log splitter unless the engine is turned off and the splitting action has come to a complete standstill
- ✗ Leave the log splitter running while it is unattended

Operation Zone

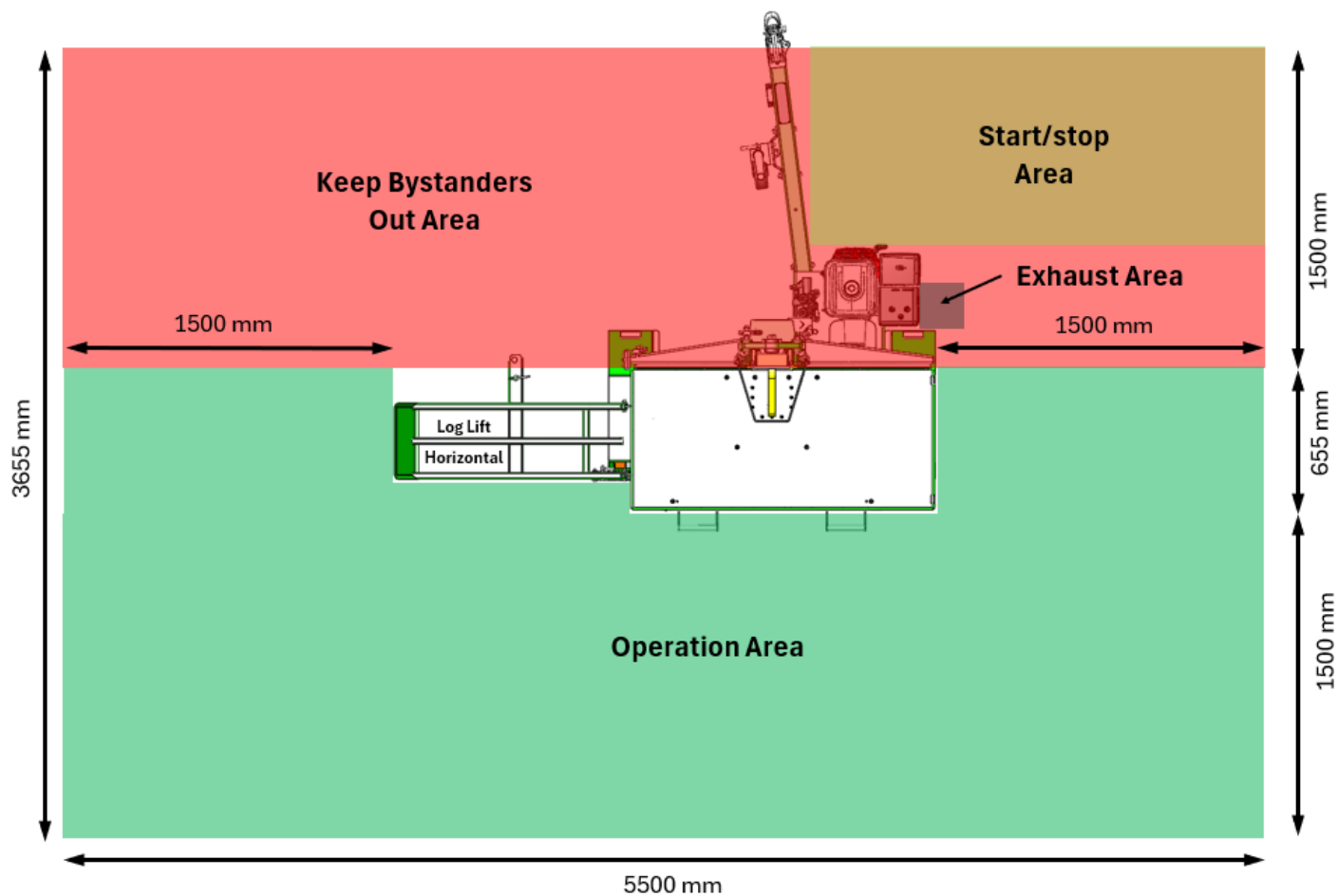
Only operate the log splitter with one person.

Only operate the log splitter from within the operation zone as shown in the diagram below. The operator has the safest and most efficient access to the control valve and the splitting zone in this location.

Keep bystanders at least 1.5 m away from the log splitter.

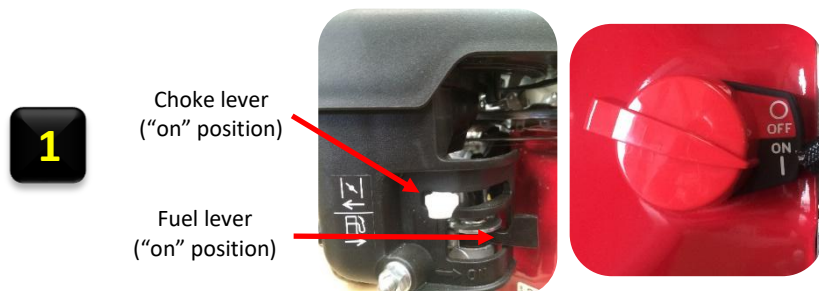


Failure to operate the log splitter from within this zone can lead to serious injury.



Starting procedure

Before proceeding, ensure the 'safe setup procedure' has been followed on page 3 of this manual.



Turn the choke lever, fuel lever, and engine switch to the "on" position.



Turn the throttle to "max" position.

3

Pull cord



Pull the pull cord in one smooth motion to start the engine.

4



Once the engine is started and has warmed up (approx. 10 seconds), turn the choke lever to the "off" position (as shown in the picture).

Shutdown procedure

1



Throttle lever ("min" position)

Turn the throttle lever to the "min" position.

2

Fuel lever ("off" position)



Turn the engine switch and fuel lever to the "off" position.

Log Preparation

Both ends of the log should be cut as square as possible to prevent the log from rotating out of the splitter during operation.



WARNING! Do NOT split logs greater than 450mm in length.

Log Lift

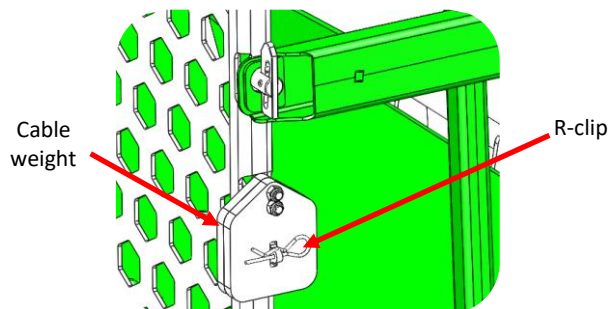
The machine is equipped with a log lift to assist with loading logs onto the table. The lift operates via a cable and pulley system linked to the motion of the splitting axe. Multiple logs can be placed on the log lift.



Do NOT operate the axe with the log lift or the cable weight stowed. This may damage the cable or machine.
WARNING! Do NOT overload the log lift. Maximum Load = 150 kg.

Do NOT double stack logs.

1

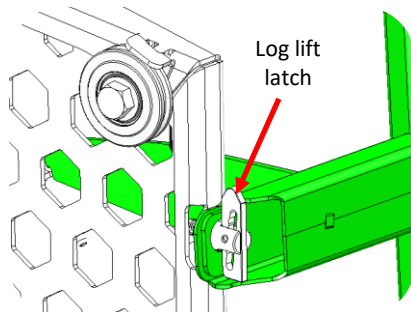


Remove the log lift cable weight from the storage location on the guard by removing the R-clip.

Let the cable weight hang free on the log lift cable.

Insert the R-clip back into the hole in the guard lug to avoid loss.

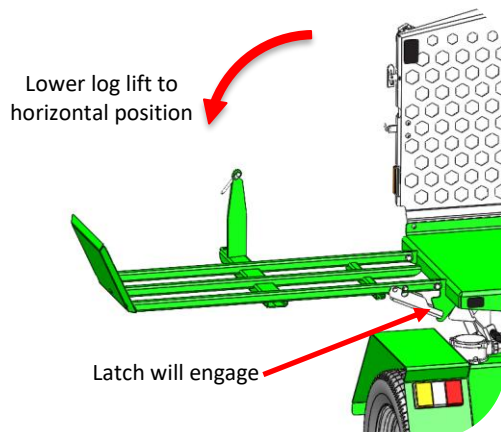
2



Disconnect the log lift from the storage position by opening the latch.

Note that the log lift must be supported otherwise it may fall.

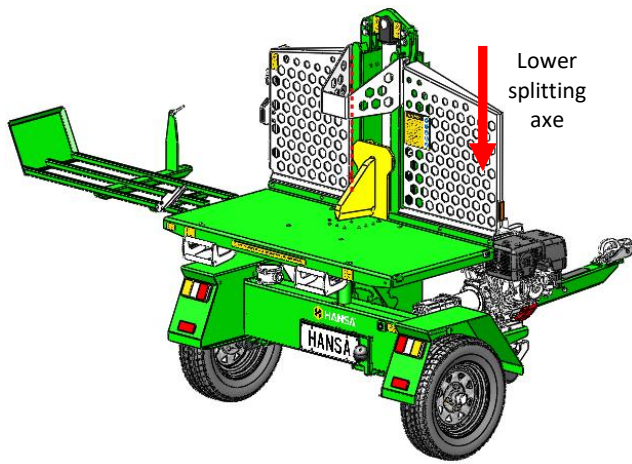
3



Lower the log lift down to the horizontal position.

The latch at the front left-hand corner of the table will engage and hold the lift horizontal

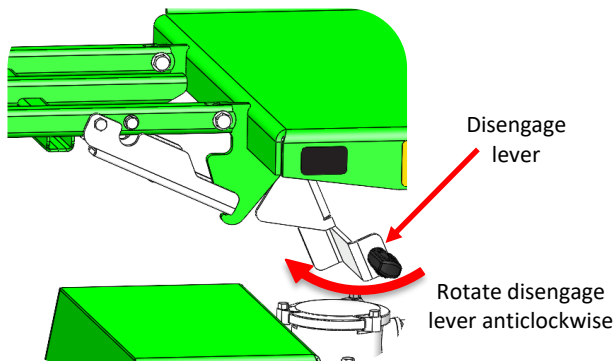
4



Start the engine, and using the control handles, lower the splitting axe to the fully down position.

NOTE: Keep hands and limbs away from the moving parts of the log lift and the splitting axe.

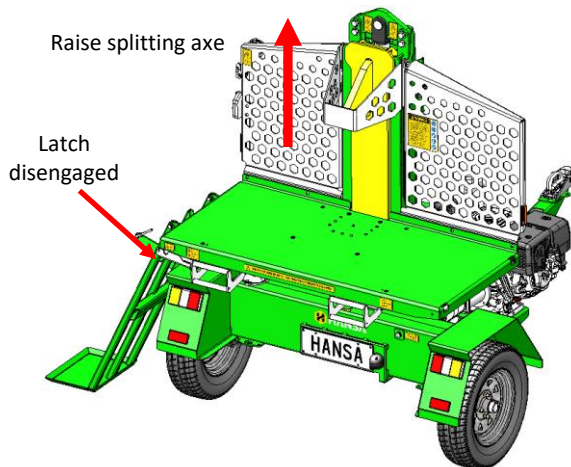
5



To lower the log lift to the ground:

With the axe in the lowest position, release the log lift latch by rotating the disengage lever anti-clockwise.

6

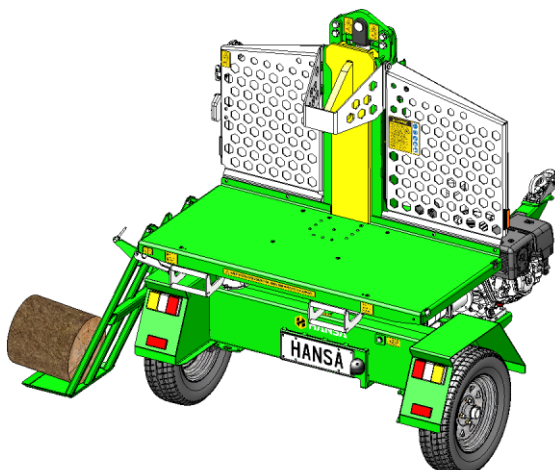


Raise the splitting axe to the fully up position using the control valve.

The log lift will rotate and lower to the ground

NOTE: Keep hands and limbs away from the moving parts of the log lift and the splitting axe.

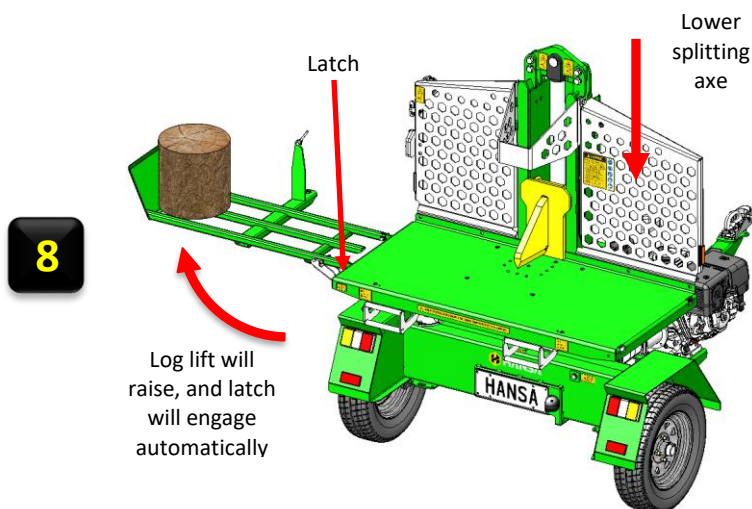
7



Load a log (or logs) onto the log lift. Logs may be placed side-by-side.

WARNING! Do NOT overload the log lift.
Maximum Load = 150 kg.
Do NOT double stack logs.





Using the control handles, lower the splitting axe – this will raise the log lift to the horizontal position. The latch will engage automatically.

NOTE: Keep hands and limbs away from the moving parts of the log lift and the splitting axe.

The logs may now be manoeuvred from the log lift onto the table for splitting.

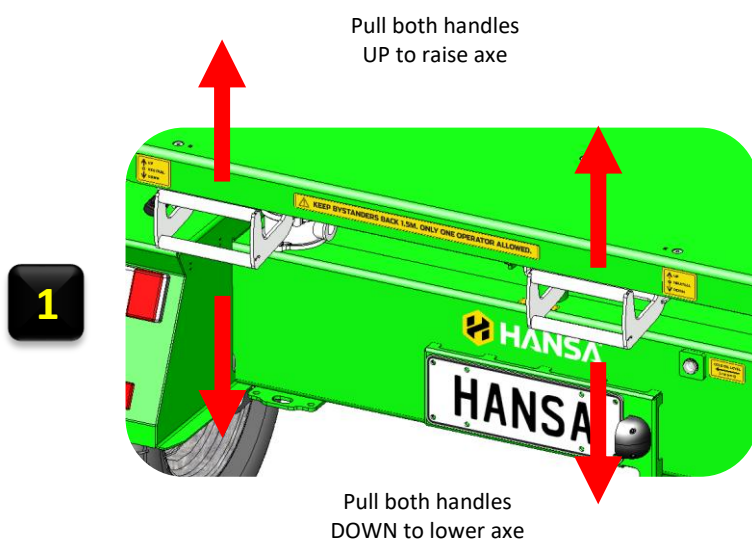
Over time, the log lift cable may stretch. The cable length can be adjusted at the bracket which attaches it to the axe body, inside the housing. Refer to 'Log Lift Cable Adjustment' in the Maintenance section of this manual.

Splitting Operation

The machine is equipped with a hydraulic valve to operate the splitting action.

The raising and lowering of the splitting axe also operates the log lift.

The controls are 'two handed'. Both controls must be operated simultaneously, by both hands and in the same direction, to operate the axe movement.



The control handles have three positions:

UP Returns the splitting axe to the uppermost position.

The handles have a spring return to Neutral and must be held in the up position to raise the splitting axe.

Releasing the handles returns the valve to neutral and stops the axe movement.

NEUTRAL Stops the movement of the splitting axe

DOWN Drives the splitting axe down to split the log or raise the log lift

The handles have a spring return to Neutral and must be held in the down position to operate the splitting axe.

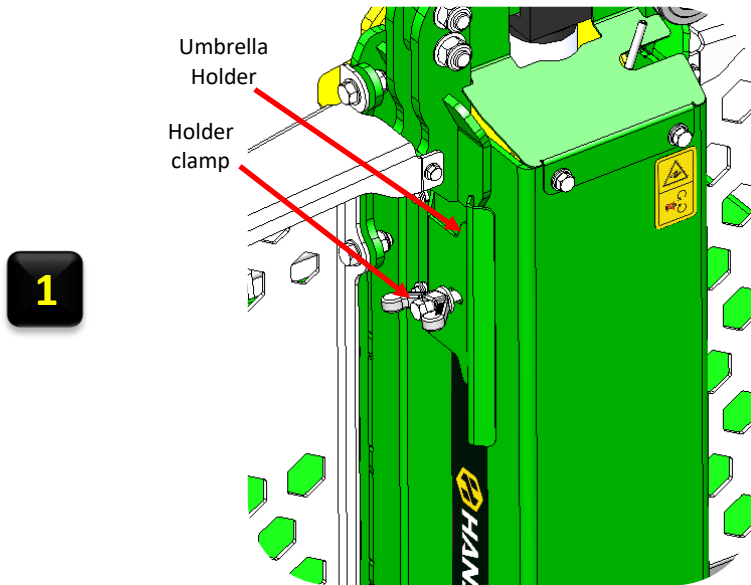
Releasing the handles returns the valve to neutral and stops the axe movement.

Umbrella Holder

The machine is equipped with an umbrella holder.

This is for 'market' style umbrellas with a solid wooden or metal pole.

An umbrella can be mounted to the main column to provide shade for the operator.



Unscrew the holder clamp to give sufficient room for the umbrella pole behind the holder.

Slide the umbrella pole down into the holder.

Tighten the holder clamp to secure the umbrella.

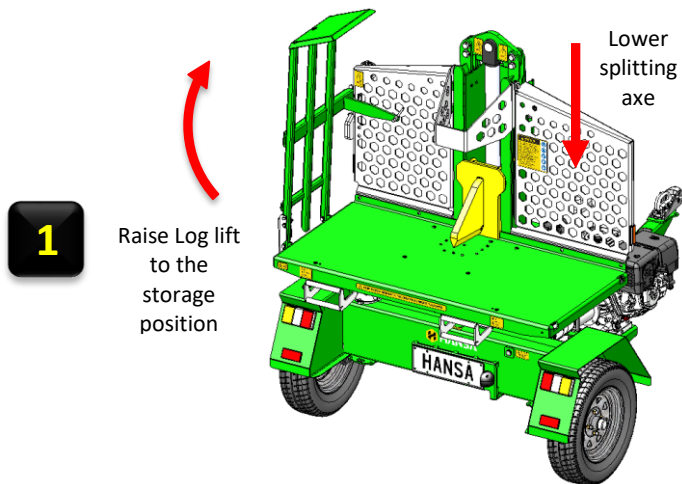
Petrol



The log splitter requires 91 unleaded or E10 petrol to run; check the petrol level before starting.

Storage

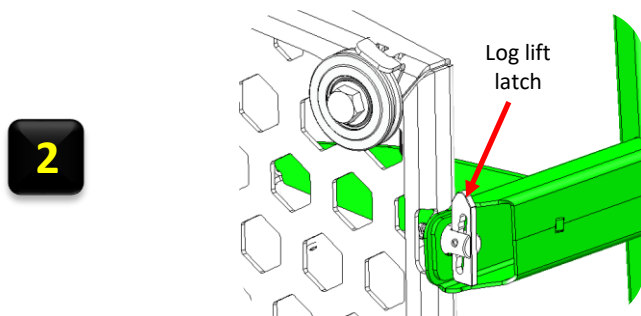
- ✔ Always allow the log splitter to cool before storing
- ✔ Store the log splitter out of the reach of children
- ✔ Store the log splitter where fuel vapour will not reach an open flame or spark
- ✔ Switch the fuel lever to the off position
 - ⇒ For extended storage periods, run the engine dry of fuel
- ✔ Store the log splitter out of the rain
 - ⇒ Water can rust the steel body of the log splitter
- ✔ Store with the axe in the DOWN position
- ✔ Store with the Log Lift UP and secured to the guard with the latch
- ✔ Store with the cable weight secured to the storage lug on the guard



Start the engine, and using the control handles, lower the splitting axe to the fully down position.

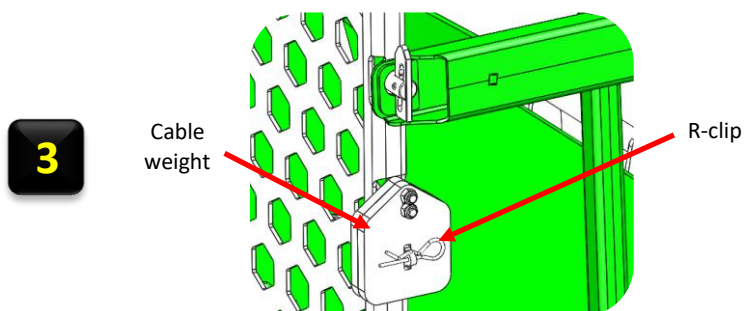
NOTE: Keep hands and limbs away from the moving parts of the log lift and the splitting axe.

Manually raise the log lift to the storage position.



Open the log lift latch and feed the latch keeper through the hole in the log lift arm.

Close the latch to secure the log lift in position.



Attach the log lift cable weight to the storage lug on the guard and secure with the included R-clip.



Manoeuvre the log splitter to its storage location.

Troubleshooting



What to do if:

- ? The log splitter won't start
 - The engine oil level might be too low
 - ⇒ The log splitter is fitted with oil alert and will not start if the oil level is too low
 - ✔ Check the oil level and top up if required
 - The log splitter is placed on a slope
 - ⇒ The log splitter is fitted with oil alert and will not start if the oil is not level
 - ✔ Move the log splitter to level ground
 - The choke is in the wrong position
 - ✔ Adjust choke
 - The spark plug is disconnected
 - ✔ Reconnect spark plug
- ? The log splitter shuts down during operation
 - The engine is out of fuel
 - ✔ Turn the engine off, let the engine cool down and refill the tank.
 - The engine oil level might be too low
 - ✔ The log splitter is fitted with oil alert and will not start if the oil level is too low
 - ✔ Check the oil level and top up if required
- ? The engine cannot supply enough power or is overheating
 - Insufficient ventilation
 - ✔ Check the engine cooling intake for blockages
 - ✔ Move the log splitter to a well-ventilated area
- ? Axe movement is slow or erratic
 - Air in the hydraulic oil system
 - ✔ Purge air by extending and retracting the axe several times until motion is smooth
 - Debris lodged in axe guides
 - ✔ Clear debris from axe guides
 - Low hydraulic oil level
 - ✔ Check oil level and add as needed
- ? Oil leak from cylinder or hose connection
 - Faulty cylinder rod seal
 - ✔ Contact customer service
 - Scored or bent cylinder rod
 - ✔ Contact customer service
 - Loose hydraulic fitting
 - ✔ Tighten hydraulic fitting
- ? Axe will not extend or retract
 - Faulty control valve
 - ✔ Contact customer service
 - Faulty hydraulic pump
 - ✔ Contact customer service
 - Low hydraulic oil level
 - ✔ Check oil level and add as needed
- ? The log splitter starts making unusual noise or the log splitter starts to vibrate
 - ✔ Turn the engine off, disconnect the spark plug wire, ensure motor and axe has completely stopped, then inspect for damage
 - ✔ Replace or repair any damaged parts
 - ✔ Check for and tighten any loose parts
 - ✗ **Do NOT** attempt to repair the log splitter unless you are competent to do so



Disconnected spark plug

Maintenance & service

Maintain the log splitter with care and keep it clean at all times.

To service or inspect the equipment, or to change an accessory, you must:

- ✓ Switch the engine off
- ✓ Switch fuel lever to off position
- ✓ Wait until the engine and the splitting axe are at a complete standstill before any inspections or adjustments
- ✓ Allow the log splitter to cool before any inspections or adjustments
- ✓ Disconnect the spark plug wire from the spark plug

Initially after 10 working hours:

- ✓ Check for any loose nuts and bolts
- ✓ Grease the axe slide bearing faces (see "Greasing slides" section below)
 - ⇒ Manually grease the slides with a brush

Every 20 working hours:

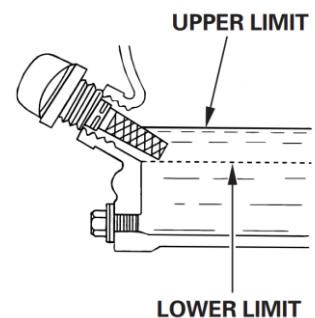
- ✓ Check for any loose nuts and bolts
- ✓ Grease the bearing slides as above

Engine servicing

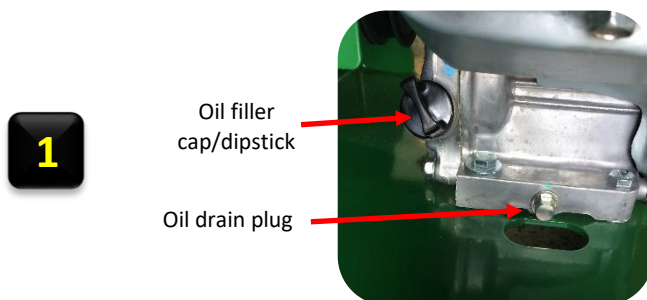
For servicing of the engine, please refer to the Honda engine manual.

Engine oil

It is recommended you check the oil level every time you use your log splitter. To check the oil level, unscrew the oil filler cap/dipstick, clean the dipstick, then insert the dipstick without screwing it into the thread. Fill as necessary, using the diagram as a reference. For optimal performance of your log splitter, the engine oil should be completely changed every 100 operating hours, or roughly once every 12 months on average.



If the engine oil needs to be changed, follow these steps:



Run the engine for 1-2 minutes to warm up the oil. Switch the engine off after the oil is warm. Place a container underneath the engine. Remove the oil filler cap/dipstick and oil drain plug (using a 10 mm spanner), then let the oil drain into the container.

- 2** Screw the oil outlet drain plug back in and fill the engine with 0.6 Litres of SAE 10W30 or SAE 10W40 through the oil filler cap/dipstick hole (the oil should reach the thread near the hole opening).
- 3** Using the dipstick, check the oil to make sure it is at the right level (close to the upper limit, but not over). Screw the oil filler cap/dipstick back into the hole. Dispose of the used engine oil in an environmentally sensitive way.

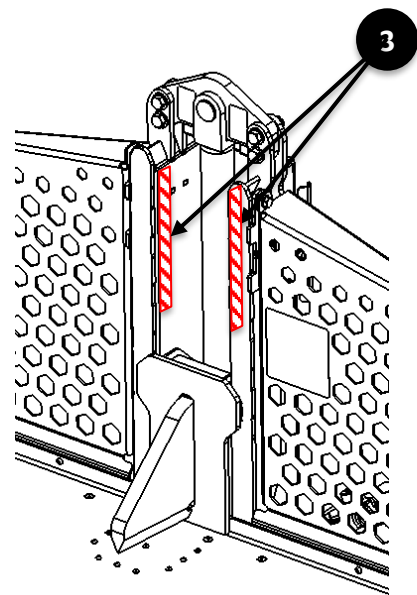
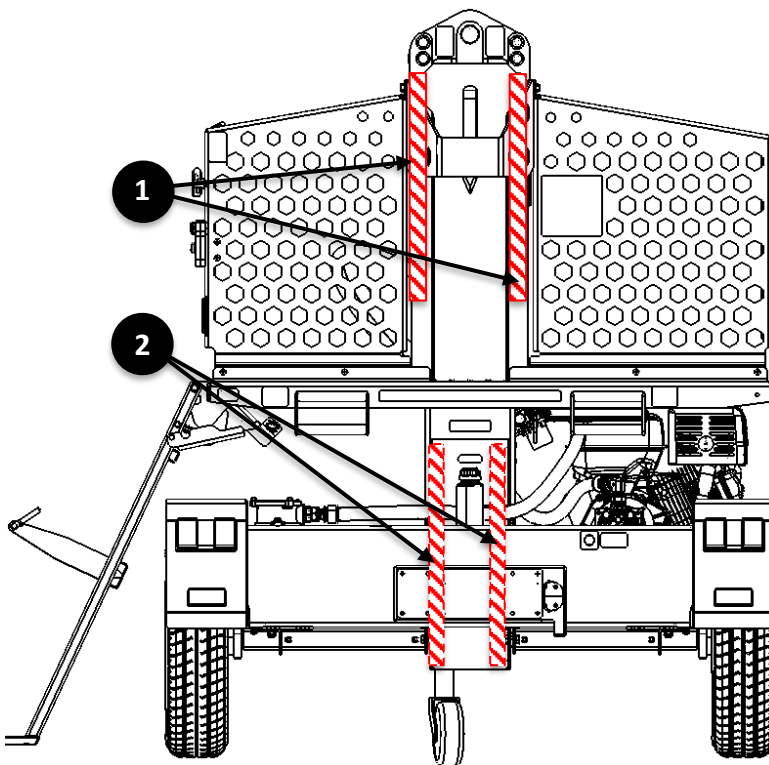
Greasing slides

Areas that need to be greased are as follows (as per the diagram at right):

1. The front (outside) slide bearing face of the main column.
Access is from underneath the splitter.
2. The inside slide bearing face of the main column.
Access is from underneath the splitter.
3. The inside side bearing faces of both sides of the main column.
Access is from above with the axe down.

These areas must be greased every 20 operating hours. Ensure a suitable grease is used (bearing grease or all-purpose grease).

It is recommended that the grease is applied with a small brush.



NOTE: Log stripper not shown for clarity

Hydraulic system

- Replace hydraulic oil filter every 500 hours, or every 12 months.
- Change hydraulic oil every 1000 hours, or every 5 years. Use only good quality ISO 46 grade hydraulic oil.

The hydraulic system is a closed system therefore it should not become contaminated, however if contamination is detected, the oil should be changed. Check for contamination every 100 hours. A drain port is located on the bottom of the tank. After draining the tank, refit the drain plug with some new thread sealant or thread tape.

Fill the hydraulic oil tank so that the oil level is at the line indicated by the cold oil level label to the right of the oil level indicator (dot at centre of window). The level should be checked with the engine off while the oil is cold, with the splitter level (table horizontal) and with the splitting axe in the down position.

For any repair of the hydraulic system, contact Hansa Products or seek advice from a competent service agent.



Filter Replacement

The hydraulic filter is located in the top of the hydraulic tank.

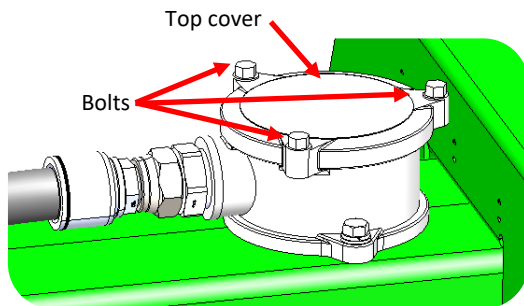
Contact Hansa Products for a replacement filter element.

To service the filter



WARNING! Ensure the hydraulic oil is cold before replacing the filter element

1



Remove the three (3) bolts on the top cover using a 10mm spanner.

Remove the top cover.

2

Remove the filter element and fit a new element.

3

Replace the top cover and, ensuring the retaining spring is located in the top of the filter element, secure with the three (3) bolts using a 10mm spanner.

Log Lift Cable Adjustment

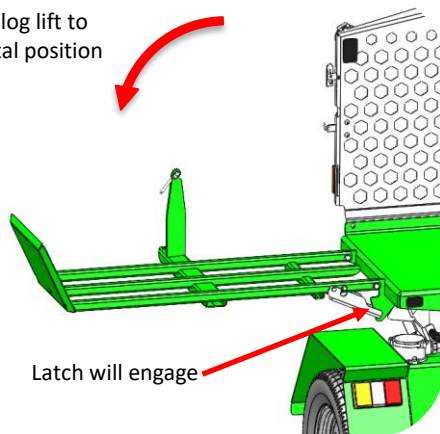
Over time, the log lift cable may stretch. The cable length can be adjusted at the bracket which attaches it to the axle body, inside the housing.



WARNING! Do NOT operate the axle with the log lift or the cable weight stowed. This may damage the cable or machine.

1

Lower log lift to horizontal position

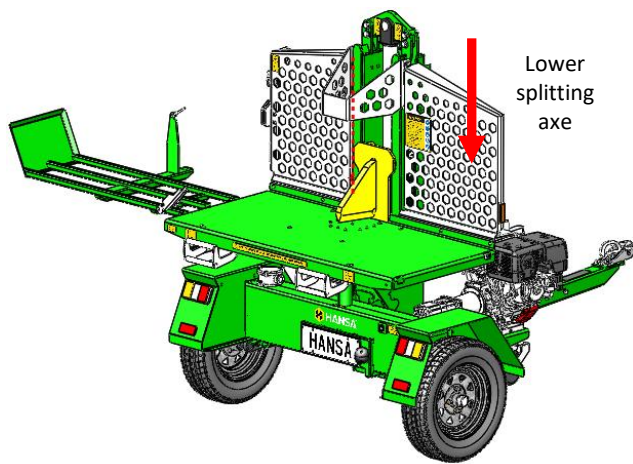


Lower the log lift down to the horizontal position.

The latch at the front left-hand corner of the table will engage and hold the lift horizontal.

NOTE: log lift cable is not shown in these views.

2

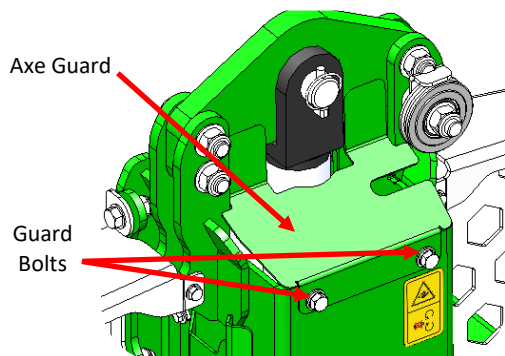


If the axe is not in the down position, start the engine, and using the control handles, lower the splitting axe to the fully down position.

NOTE: Shut down the engine and ensure that it cannot be started while the cable is being adjusted.

NOTE: Keep hands and limbs away from the moving parts of the log lift and the splitting axe.

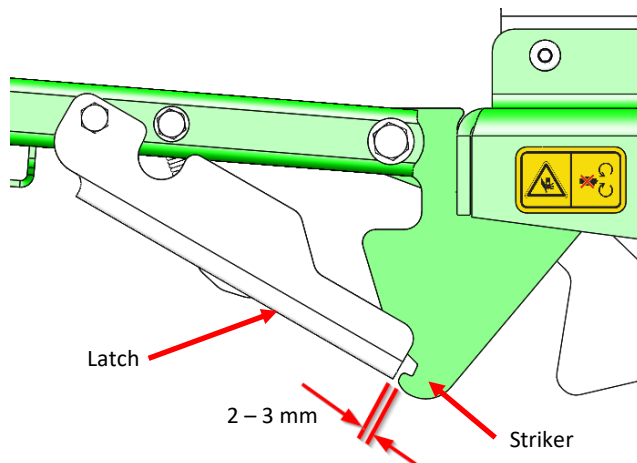
3



Remove the two axe guard bolts using a 16mm spanner.

Remove the axe guard.

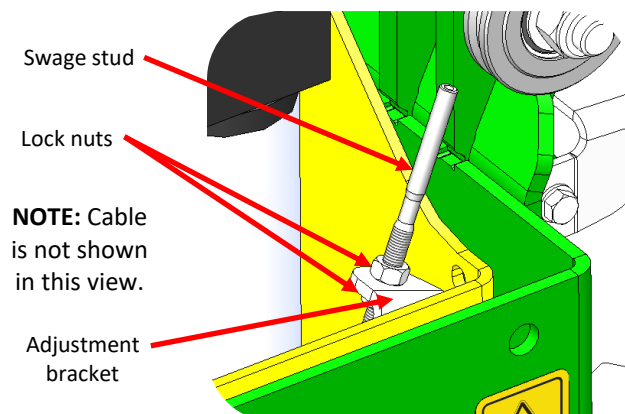
4



The correct cable adjustment is:

- 1) With the axe down, the cable lifts the table just above the horizontal and the latch clears the striker by approximately 2 – 3 mm
- 2) Adjust the cable, as shown below, to give this clearance

5

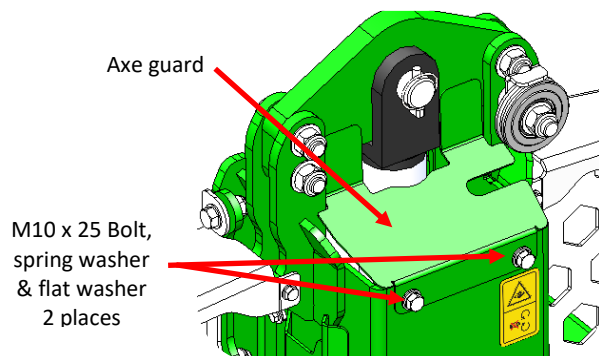


Loosen the two lock nuts on the swage stud at the top of the axe assembly (under the guard) using 13mm spanners.

Adjust the length of the cable by winding the nuts up the swage stud (to shorten the cable) or down (to lengthen the cable)

When the correct cable length has been obtained, tighten the lock nuts against the adjustment bracket using two 13mm spanners.

6



Replace the axle guard.

Secure the axle guard with the M10x25 Bolts, spring washers and flat washers. Using a 16mm spanner.

Tyre pressure

The maximum recommended tyre pressure is 65 Psi.

Do NOT over inflate the tyres. Over inflation may cause tyres to rupture.

Maintenance & service intervals

Service	Maintenance interval - service hours					
	10 or Daily	20	100	500 or 12 Months	1000 or 5 years	As req.
Engine oil change - initial change	Initial					
Engine oil level – check	•					
Engine Air cleaner element – clean	•					•
Bearing Slides – grease		•				
Engine oil – change			•			
Nuts & bolts – check torque			•			
Tyres & rims – check	•					
Hydraulic system – check			•			
Hydraulic oil filter - replace				•		
Engine Air cleaner element – replace				•		
Hydraulic oil – replace					•	•
Engine system						•
Hazard labels – replace						•

Bolt torque

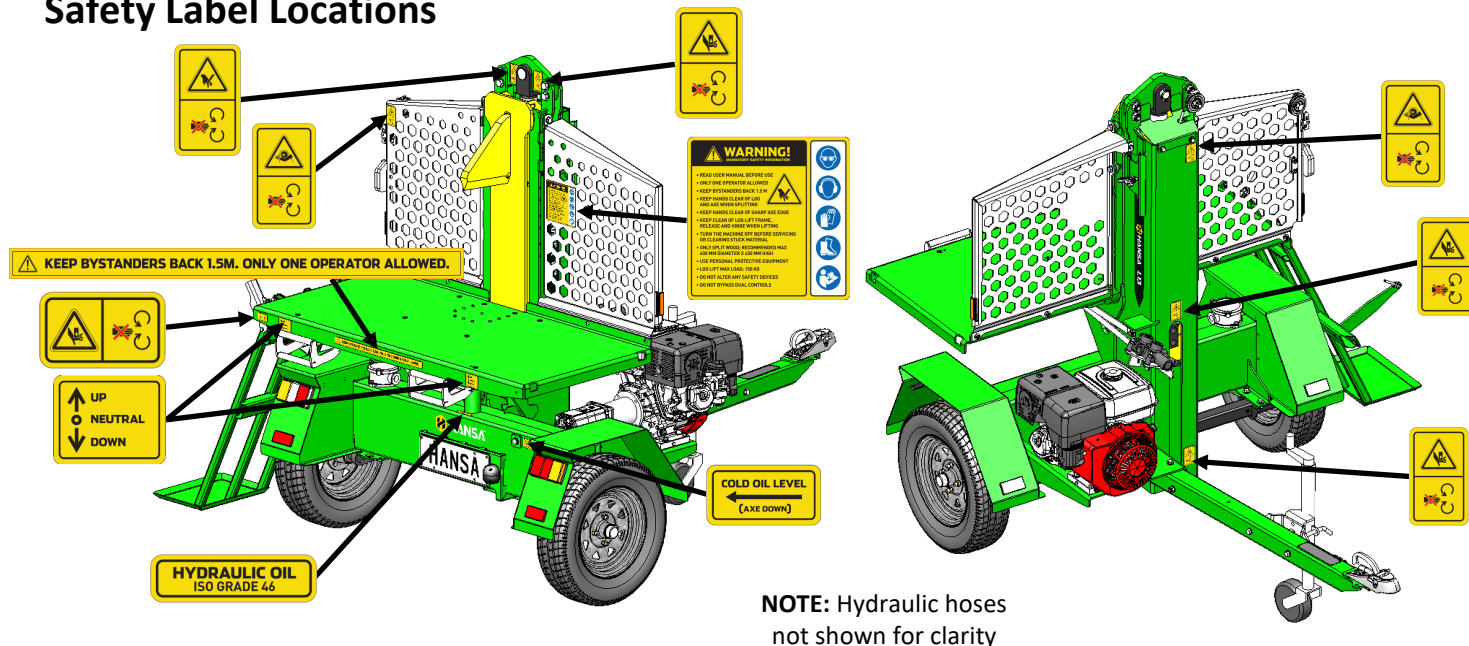
Bolt size		Relative Strength Bolt Marking			
		4.6		8.8	
		Recommended Tightening Torque		Recommended Tightening Torque	
Bolt size	Spanner size	lb ft	Nm	lb ft	Nm
M8	13 mm	6	8.5	16	22
M10	16 mm	12.5	17	32	44
M12	18 mm	22	30	57	77
M16	24 mm	54	73	140	190

Specifications

	L13	
General	Length	2400 mm
	Width	1505 mm
	Height	1835 mm (Log Lift Down) 1950 mm (Log Lift Up / Stowed)
	Table Height	900 mm
	Weight	533 kg
Motor	Make & model	Honda GX390
	Max Power	13 HP
Hydraulic System	Maximum System Pressure	3000 psi (207 bar)
	Oil Grade	ISO 46
	Oil Capacity	Total system volume 36 litres Tank refill volume 30 litres (axe down)
Log Lift	Maximum Lifting Capacity	150 kg
Maximum Log Dimensions	Log length	450 mm
	Log diameter	600 mm (recommended)

Safety Labels

Safety Label Locations



Safety Label Explanations

Instruction manual must be read.	Ear protection must be worn.	Tight and heavy-duty gloves must be worn.	Eye protection must be worn.	Protective footwear must be worn.	Control handle operation.

WARNING! MANDATORY SAFETY INFORMATION • READ USER MANUAL BEFORE USE • ONLY ONE OPERATOR ALLOWED • KEEP BYSTANDERS BACK 1.5 M • KEEP HANDS CLEAR OF LOG AND AXE WHEN SPLITTING • KEEP HANDS CLEAR OF SHARP AXE EDGE • KEEP CLEAR OF LOG LIFT FRAME, RELEASE AND HINGE WHEN LIFTING • TURN THE MACHINE OFF BEFORE SERVICING OR CLEARING STUCK MATERIAL • ONLY SPLIT WOOD; RECOMMENDED MAX 600 MM DIAMETER X 450 MM HIGH • USE PERSONAL PROTECTIVE EQUIPMENT • LOG LIFT MAX LOAD: 150 KG • DO NOT ALTER ANY SAFETY DEVICES • DO NOT BYPASS DUAL CONTROLS			
	Splitting axe safety. Keep hands clear of moving parts.	Pinch point. Keep hands clear of moving parts.	Pulley hazard. Keep hands clear of moving parts.
General safety label.	Log lift safety.		

 **KEEP BYSTANDERS BACK 1.5M. ONLY ONE OPERATOR ALLOWED.**

Bystander and operator safety.

HYDRAULIC OIL
ISO GRADE 46

Hydraulic oil grade.

COLD OIL LEVEL

(AXE DOWN)

Recommended oil fill level.

HANSA global industrial limited warranty

For the purposes of this warranty document, “HANSA” means HANSA Products Limited and any of its international subsidiary companies. Refer to contact details below for further information.

HANSA warrants each new HANSA log splitter (“HANSA product”) free from defects in materials and workmanship under normal use and routine servicing, for the warranty periods and subject to the limitations and exclusions detailed below.

HANSA offers a special extended warranty period (“Extended Warranty”) to new HANSA products purchased from an authorised HANSA dealer. The Extended Warranty period is set out below. In order to take advantage of the Extended Warranty you must:

1. Register your HANSA product through the HANSA warranty registration process and identify your HANSA product by its machine serial number. **Registration must be completed with ten (10) days from the date of purchase.** Your warranty registration confirmation email is your identification for warranty service; and
2. Have your registered HANSA product maintained in accordance with the schedule contained in the relevant owner’s manual supplied with the product by an authorised HANSA dealer for the applicable territory. In order to ensure the safe operation of your HANSA product, we strongly recommend that you only use an authorised HANSA dealer for servicing. The cost of routine or required maintenance and services is the responsibility of the purchaser. You must keep a record of all service and maintenance history as proof of servicing history. HANSA may request such servicing history when assessing any future warranty claim.

When making a claim for warrantable repairs under the Extended Warranty, your warranty registration must accompany the HANSA product. If the warranty registration is lost or destroyed, proof of purchase documentation clearly recognising the machine serial number shall be accepted for warranty purposes. Where neither is available and HANSA does not have any record of the purchaser’s details the warranty period shall be calculated from the appropriate dealer wholesale sale date. Any claim under the applicable Warranty must be made within the relevant warranty period specified below.

The Extended Warranty may be subject to cancellation if the above requirements are not satisfied.

The Extended Warranty is available to domestic (non-commercial) and commercial customers (excluding commercial customers in the business of plant/equipment hire).

All HANSA products that have not complied with the Extended Warranty registration and maintenance requirements are entitled to the “Non-Registered” warranty period set out below.

Any authorised HANSA dealer is further authorised to repair or replace any part which proves defective within the limits of the Extended Warranty or Non-Registered Warranty (the “Warranties”) at no charge to the owner, covering parts and labour. Consumable items such as but not limited to oils, grease, blades and belts shall be the responsibility of the owner. All defective parts replaced under the Warranties become the property of HANSA.

You (as owner) are responsible for all shipping and transportation costs (including insurance) to and from an authorised HANSA dealer for the product subject to a warranty claim.

Exclusions

The warranties shall NOT APPLY TO:

- Any damage which results from neglect of periodic maintenance specified by HANSA.
- Any damage which results from repair or maintenance operations by methods other than specified by HANSA.
- Any damage which results from misuse or use beyond the limitations of the intended use specified by HANSA in the operation, maintenance and safety manual, such as overloading, including foreign objects such as stones, pieces of steel, glass etc. being dropped into the running machine or use under abnormal conditions (in HANSA’s sole judgement).
- Any damage which results from use of non-genuine parts, lubricant or fluid not approved by HANSA.
- Any damage resulting from modification or installation in other products in a way not approved by HANSA which has any influence on the function and/or performance of the products.
- Any damage which results from operation other than specified in the Owner’s Manual either intentionally or by error.
- Fading of painted surfaces, deterioration of plated surfaces, deterioration of rubber and plastics, including rusting due to the passage of time.
- Normal phenomena such as noise, vibration or oil seepage which are considered by HANSA as not affecting the quality, function or performance of the product.
- Any damage due to improper storage or transport.
- Consumable replacement items: Belts, cutting blades, anvil, serviceable bearings.
- Periodical maintenance items such as cleaning, inspection and adjustments.
- Any repair and/or adjustment performed by persons other than an authorised dealer, or damage resulting therefrom.
- Any repair and/or adjustment to correct improper or poor quality work previously performed.

- Incidental expenses incurred in the warranty claim. For example: additional expenses such as those for towing, communications, hotel and meals, incurred due to breakdown of the product at a remote location. Any expense related to personal injury and/or property damage, (exclusive of the product itself). Compensation for loss of time, commercial losses or rental costs of a substitute product during the period of adjustment.
- Any damage which results from unavoidable natural disasters, fire, collision, theft, etc.
- Any normal wear or deterioration, such as that of sliding or rotating parts caused under normal operating conditions. For example: Normal wear pivot points, rod ends and bearings.
- Any damage resulting from exposure of the product to soot and smoke, medicines and chemical agents, sea water, sea breeze, salt or other environmental phenomena.

Limitations

- HANSA reserves the right to modify, alter and improve any product without incurring any obligation to replace any product previously sold with such modification.
- In no event shall HANSA's liability exceed the purchase price of the product.
- Equipment and accessories not of HANSA's manufacture (such as engine, battery and tires) are warranted only to the extent of the original manufacturer's warranty and subject to their allowance to HANSA only if found to be defective by such manufacturer.
- HANSA reserves the right to supply remanufactured parts as it deems appropriate.

HANSA Product Warranty Period

HANSA LOG SPLITTERS	DOMESTIC	COMMERCIAL (EXCLUDING HIRE)	COMMERCIAL (HIRE)
Non-Registered	12 months	12 months	3 months
Extended Warranty	36 months (Conditional)*	36 months (Conditional)*	N/A

Each of the warranty periods stated above commence from the date on which you purchased your HANSA product.

*Conditional Warranty:

This is a HANSA extended warranty period for products that are:

- Purchased from an authorised HANSA Dealer.
- Registered at the time of sale through the Hansa Log splitters website: www.hansaproducts.com/registration
- Serviced by a HANSA Dealer in accordance with the Hansa service schedule using genuine HANSA parts.
- Extended Warranty is limited to 36 months or 1000 hours, whichever occurs first.
- Meeting all other warranty requirements.

Warranty periods vary depending on whether the purchaser is: (i) a domestic (i.e. non-commercial) customer; (ii) commercial customer (excluding plant/equipment hire businesses); or (iii) a commercial customer in the business of plant/equipment hire.

General

1. Your rights:
 - a. HANSA will recognise any implied rights and remedies that are available to you at law in the applicable territory and that cannot be excluded by HANSA.
 - b. In New Zealand, Hansa Products Ltd will recognise your statutory rights under the Consumers Guarantee Act 1993 (provided that you are a consumer for the purposes of that Act).
 - c. In Australia, this warranty is given by Hansa Products Pty Ltd. This warranty is provided in addition to other rights and remedies you have under law - our HANSA products come with guarantees that cannot be excluded under the Australian Consumer Laws.
2. If any provision of this warranty document is held by any competent authority to be invalid or unenforceable in whole or in part, the validity of the other provisions of this warranty document and the remainder of the provisions in question will not be affected.
3. The English language version of this warranty document prevails over any translated version/s of its terms.
4. This warranty document is governed by the laws of New Zealand. The parties submit to the exclusive jurisdiction of the New Zealand Courts.

Contact Details

New Zealand:

Hansa Products Limited
PO Box 10323, Te Rapa
Hamilton

Rest of World:

Please refer to www.hansaproducts.com
for a current list of our authorised dealers
and contact details relevant to your territory.

Commissioning checklist and registration



It is the retailers' responsibility to ensure that this log splitter is correctly commissioned for use, and that the purchase is registered with Hansa Log splitters so as to provide the owner with the full benefit of the warranty policy.

Product registration must be completed online:

www.hansaproducts.com/registration

For registration, you will require the log splitter serial number and customer details.

It is the retailers' responsibility to check the following:

Final Assembly	Check all bolts for tightness including knives
Operation	Instruct the owner/operator on operating procedures and techniques
Safety	Instruct owner/operator on safety procedures
Maintenance	Explain the maintenance requirements and the importance of following the maintenance schedule to the owner/operator
Manual	Emphasise the importance of reading and understanding the operating manual in full before initial operation of the log splitter