

**RED GUM**

**Deluxe  
Lifter**

**SPLITTER**

# Owner's Manual

POWERED by  
**HONDA**

Operating Instructions for  
RedGum Deluxe Lifter Splitter with Hydraulic Lifting Table



## **REDGUM** |||| **SPLITTERS** ▶

Australia's No.1 Selling Honda Powered Log Splitters

Product Description & Intended Purpose:

This Log Splitter / Wood Splitter is an outdoor product that splits wood logs for use as fuel in a fireplace or a woodstove.



**WARNING:** All operators must read this manual, before operating this RedGum Splitter.

# WARNING

**Read and thoroughly understand all instructions contained in this operations manual before operating the RedGum Splitter.**

**Serious injury or death can result if safety instructions are not understood or followed. If you wish to discuss this log splitter's operational procedures after reading this manual, please call our customer service personnel on 1300 039 251. Monday - Friday 9am - 5pm AEDT**

## Hazard Signals Definition



This is the **safety alert symbol**. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

**DANGER**

DANGER indicates an imminently hazardous situation which, if not avoided, will result in serious injury or death.

**WARNING**

WARNING indicates a potentially hazardous situation which, if not avoided, will result in serious injury or death.

**CAUTION**

CAUTION indicates a potentially hazardous situation which, if not avoided, could result in minor or moderate injury.

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# Important Safety Rules



## WARNING



### 1.) Read this manual completely.

- Serious injury or death can result if safety instructions are not followed.
- Everyone who operates this log splitter must read and completely understand all safety rules, operating instructions, and maintenance instructions.
- You must be 18 or older to operate this machine and in sound mind, free of the influence of medication, drugs or alcohol. Keep untrained people away.



### 2.) Crush hazard.

The Crush Hazard Zone is between the splitter wedge(5) and the end plate(18). Wedge(5) can cut through skin and break bones. Make sure hands are clear of crush hazard zone when log splitter is in operation.



### 3.) Flying objects.

- Pieces of log may fly out while splitting. Wear safety glasses. Serious eye injury can occur if safety glasses are not worn.
- Serious accidents can happen when other people are allowed inside the safety and operator zone. Keep everyone else out of the safety and operator zone while operating log splitter. See page 7 for operator zone.



### 4.) Skin injection hazard.

- High pressure fluid can inject under skin resulting in serious injury including amputation.
- If skin injection happens, seek immediate "Surgical Treatment". Call 000
- Make sure all fittings are tight before starting the log splitter. Relieve system pressure before servicing by turning off the log splitter and moving control valve lever(4a) forward and back and returning to neutral position.
- Do not check for leaks with hand. Instead, use a piece of cardboard to check for leaks.



## Important Safety Rules (continued)

### **WARNING**



#### **6.) Risk of fire and explosion.**

Hot exhaust fumes from engine can cause fire. Gasoline is highly flammable and explosive. You can be burned or seriously injured when handling fuel.

- Position muffler at least 7 feet from combustible objects.
- Before adding fuel, stop the engine and keep heat, sparks, and flame away. Do not add fuel when engine is running or still hot. No smoking near engine.
- Do not pump fuel directly into engine at gas station. Static charge can build and ignite fuel. Use an approved fuel container to transfer petrol to the engine. Wipe up fuel spills immediately.
- Store and handle fuel outdoors. Gasoline vapors can ignite if they collect inside an enclosure. Explosion can result.
- Do not change or add to exhaust system. Fire can result.
- Do not change or add fuel tanks or fuel lines. Fire can result.
- Before each use, check fuel tank and fuel lines for leaks. Any fuel leak is a fire hazard. Fix any fuel leaks before starting engine.
- During transportation take precautions to make sure machine will not tip over and cause a fuel leak and fire hazard. Engine fuel lever should be turned to off while transporting this log splitter.

#### **7.) Breathing hazard.**

Poisonous fumes from engine can kill you. Do not operate indoors even if ventilated. This product is for outdoor use only.

#### **8.) Hot muffler.**

You can be burned by muffler. Do not touch muffler during or immediately after use.



## WARNING

**Read & thoroughly understand the following Operational Warnings before operating this RedGum Log Splitter.**

### Operational Warning

- **Intended purpose:** This product is designed as an outdoor product to split wood logs to use as fuel in a fireplace or a woodstove. Never use the log splitter for any other purpose than splitting wood.
- **Always place logs so the axehead splits with the wood grain and not across the wood grain.**
- **Personal Protective Equipment:** Safety glasses are required to be worn at all times. It's also recommended to wear 1. Ear Muffs 2. Steel capped boots 3. Tight fitting gloves.
- **ALWAYS wear suitable clothing, free from hanging strings, jewellery or other items that could get caught up in moving parts. If you have long hair make sure it is tied back and kept out of the way of moving parts.**
- **ALWAYS inspect log splitter before using to ensure it is in good working condition.**
- **Replace or repair damaged or worn parts immediately.**
- **ALWAYS check and tighten hardware and assembled parts before operation.**
- **ALWAYS operate log splitter on firm, clear and level ground**
- **ALWAYS set up a SAFETY ZONE restricting onlookers to at least 3m away from the log splitter when in use.**
- **ALWAYS remove split wood from around the log splitter immediately after it's spilt into smaller pieces so that you don't stumble over it.**
- **Do NOT exceed equipment maximum splitting capacity by altering component settings.**
- **Do NOT operate the log splitter at night, only during daylight hours.**
- **Shut engine off before leaving log splitter unattended.**

**Keep this operations manual for future reference and re-read this manual periodically.**

## Operation Checklist

RedGumSplitters are assembled and ready for use however,

- **Check** Hydraulic Oil levels with a Dipstick
- **Check** engine oil level by sighting engine dip stick.
- Closely **inspect** all log splitter components. If you sight damaged components then contact your RedGum dealer before use.
- **Always wear safety glasses** while operating this logsplitter. It's also recommended to wear 1. Ear Muffs 2. Steel capped boots 3. Tight fitting gloves 4. Suitable clothing



# OPERATION INSTRUCTIONS

## Proper Operation of the Log Splitter.

- 1.) Always follow Operational warnings & checklist(refer page 6).
- 2.) Load a log onto the beam (7) and against the end plate (18). (See next page for instructions on splitting logs with a slant or uneven surfaces) However log should be cut as square as possible to fit properly on to the splitter and firmly against the end plate (18).
- 3.) Serious accidents can happen when other people are allowed inside the OPERATOR ZONE (see diagram below). Keep everyone out of the operator zone while operating the log splitter.

### 4.) Start Engine by using the following instructions:

- a. Turn the engine switch to 'ON' position.
- b. Slide the choke lever away from the fuel tank to activate the choke.
- c. Turn the fuel tap on.
- d. Raise the engine revs by sliding the throttle lever away from the fuel tank. Always use full throttle when using this machine.
- e. Pull the starter cord handle lightly until resistance is felt, then pull briskly.
- f. When the engine starts to run, deactivate the choke by sliding the lever towards the fuel tank.
- g. CAUTION Do not let go of the starter cord and allow it to snap back.

### 5.) To operate Hydraulic Lifting table

- a. Place log on lifting table
- b. Hold Control Valve forward to operate lifting table

### 6.) Start the splitting procedure by pushing and holding the control valve handle (4) FORWARD.

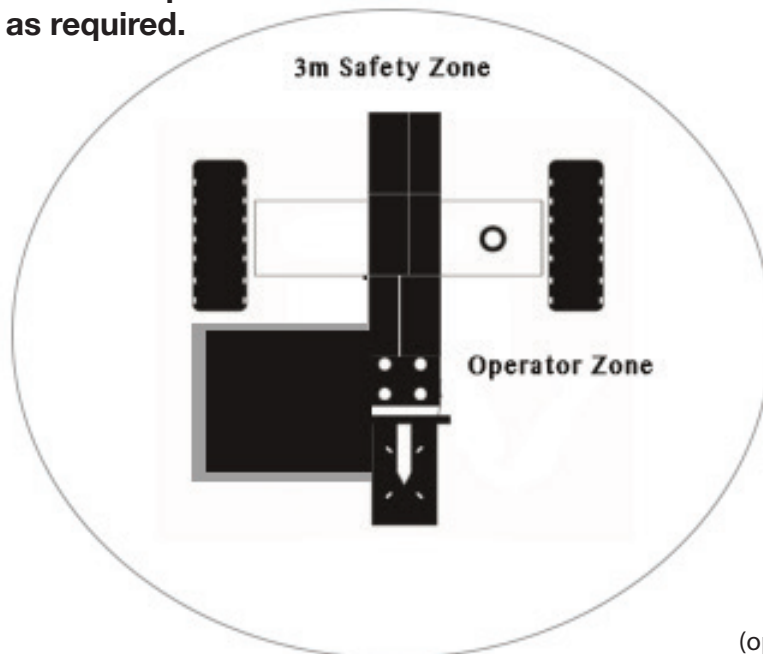
**⚠ WARNING** The Crush Hazard Zone is between the splitter wedge(5) and the end plate(18).

Make sure hands are clear of crush hazard zone.

- a. To return wedge to starting position simply pull the control valve lever (4a) backwards and away from the end plate (18). Please note that the splitter wedge(5) only moves forward when you are holding the lever forward. When you let go of the control lever(4a) the splitting wedge should stop.
- b. Please note the splitting wedge returns back to the original starting position automatically. You must ensure control lever(4a) returns to the neutral position after the splitting wedge has returned to it's original starting position.
- c. For safety reasons, the wedge(5) stops approx. 3-4cm from the endplate(18). To avoid hydraulic pressure build up please refrain from holding the control lever (4a) forward after the wedge has reached the end of it's travel.

### 7.) Clear the split wood from the operator zone.

### 8.) Repeat above steps as required.



(operating instructions continued...)

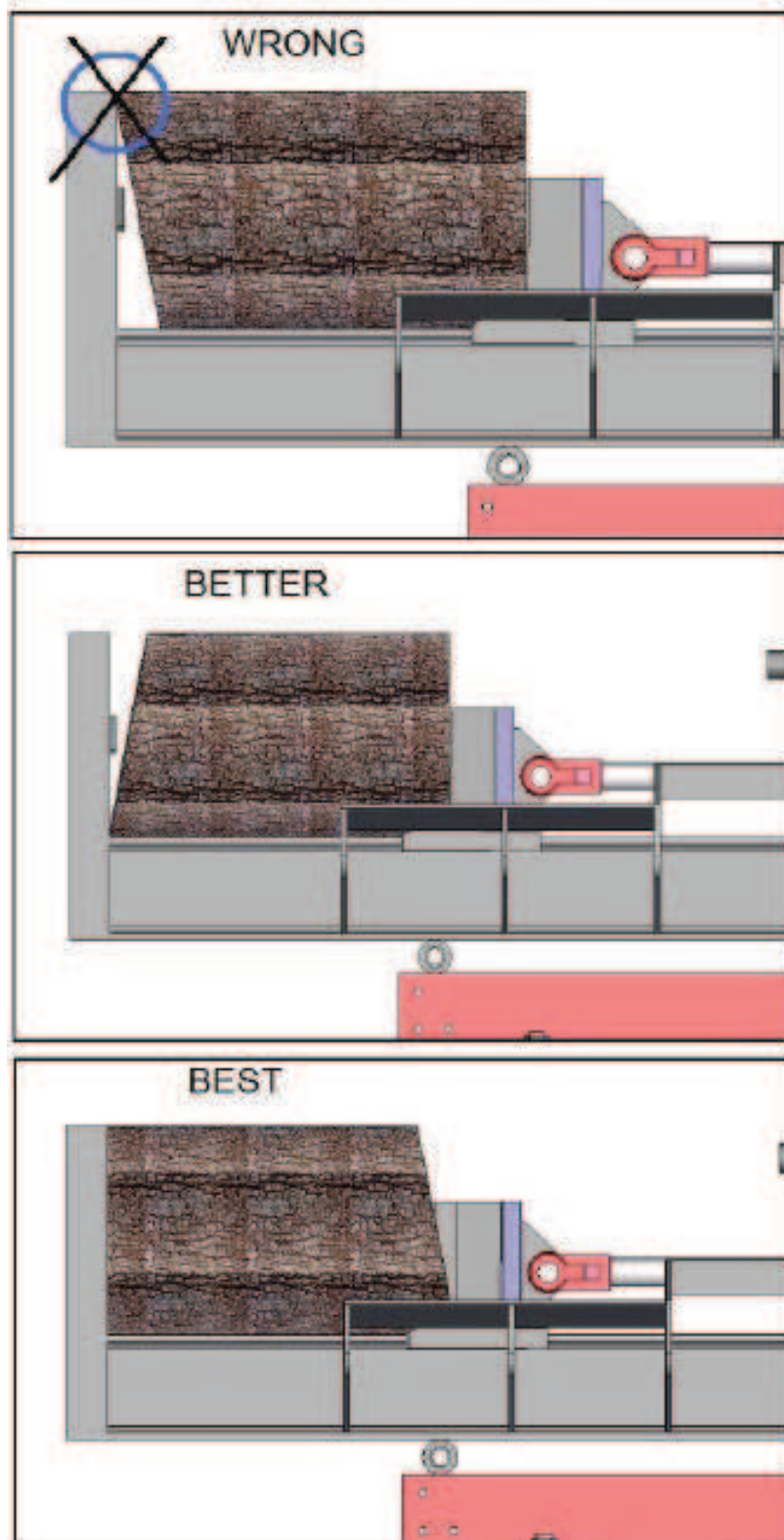
# OPERATION INSTRUCTIONS (continued 2)

## How to split a log with slant(or uneven) surface

Correct operating procedures are required to ensure your RedGum logsplitter is not damaged. Incorrect operation can result in bending the beam(7) and/or end plate(18).

Important: If beam or end plate are bent due to incorrect operation, it is not a manufacturers fault and subsequently is not covered under warranty.

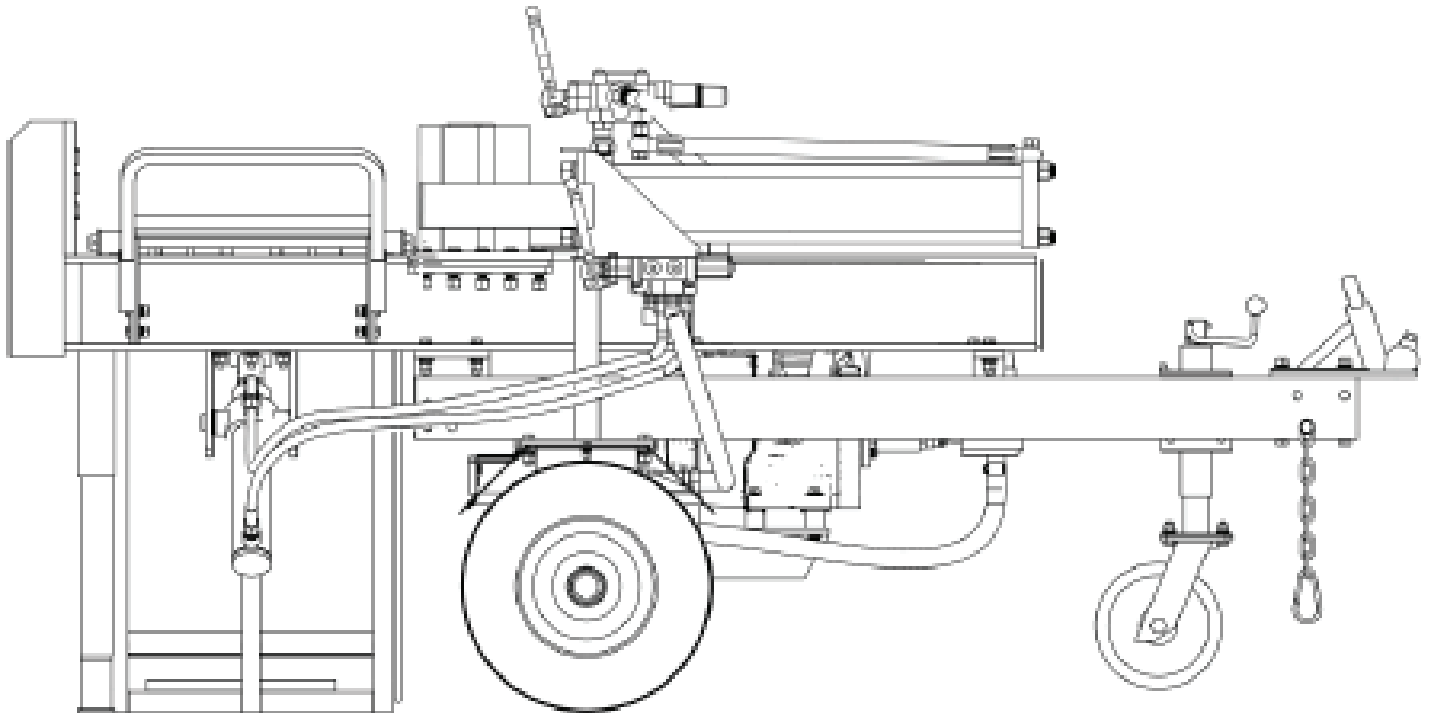
Ideally the log should be cut into "rounds" with flat or even surfaces. If they are cut and the edges are on an angle or have an uneven surface, you must ensure you place the log onto the beam(7) as shown in the diagrams BETTER or BEST below.



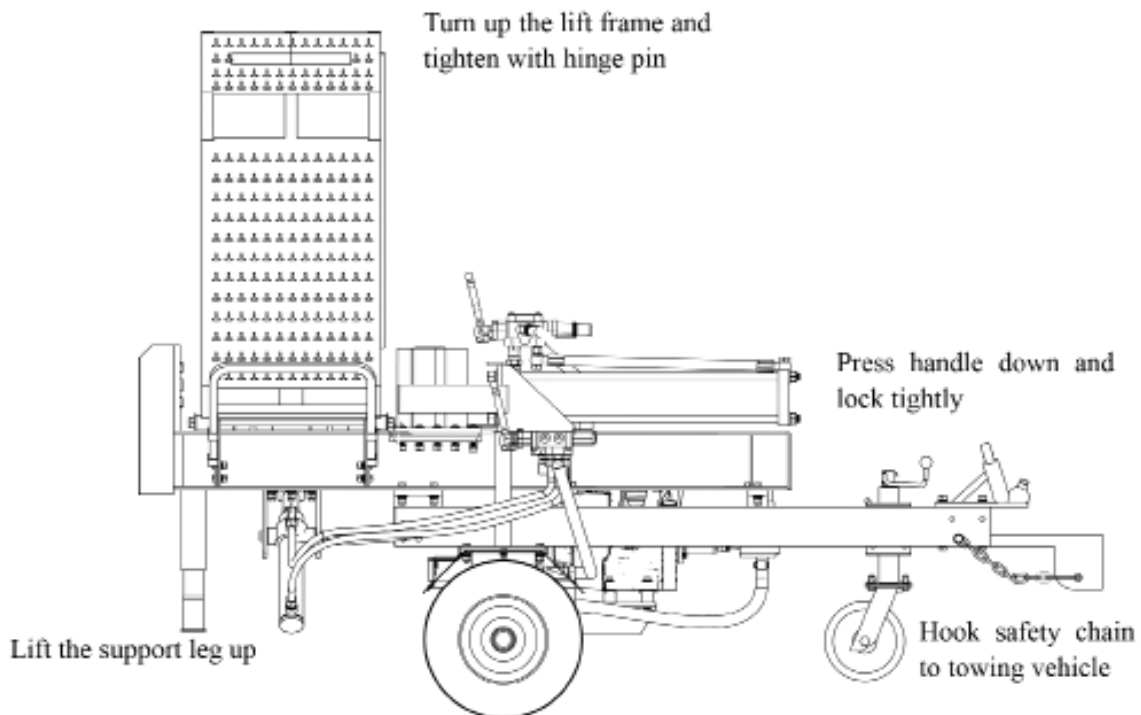


# OPERATION INSTRUCTIONS (continued 3)

This Log Splitter can be used in Horizontal position ONLY:



Towing the log splitter:



Remember to turn the engine fuel tap off prior to towing to prevent flooding of the engine.

**Warning: Towing incorrectly is a serious risk and can result in serious injury or death. Please read Towing Warnings below:**

(operating instructions continued...)



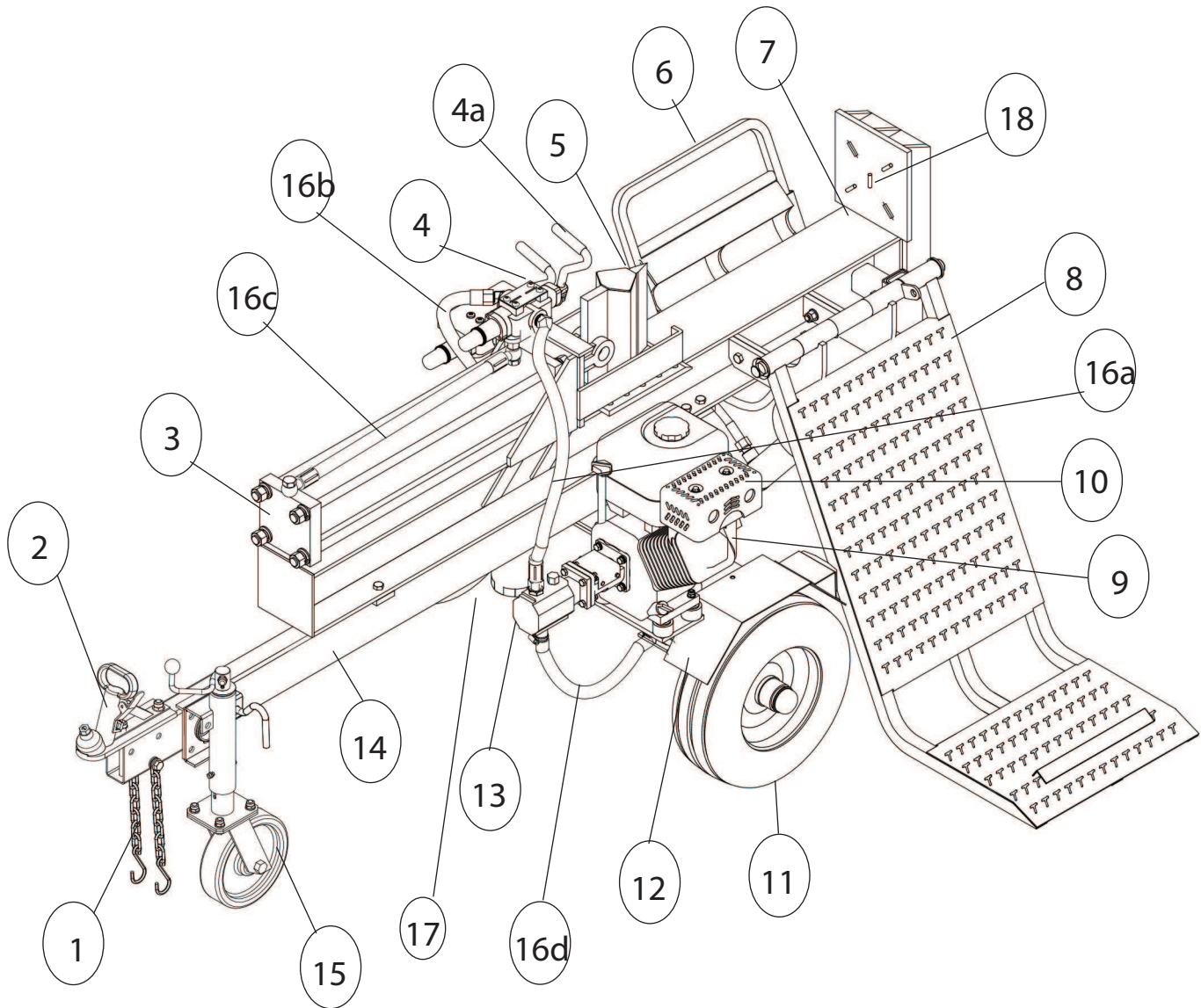
## WARNING

### **Towing Warnings:**

Remember to turn the engine to the off position prior to towing and turn off fuel tap.

- **Serious injury or death can occur if towing safety rules are not followed.**
- **Review towing safety warnings in your towing vehicle manual.**
- **Drive safely. Be aware of the added length of the log splitter adds to your vehicle.**
- **Never ride or transport cargo on the log splitter.**
- **ALWAYS secure and lock the log splitter to the vehicle hitch before towing.**
- **Drive the vehicle only after the log splitter is securely attached.**
- **Turn off the vehicle before leaving the log splitter unattended.**
- **Choose a level surface to operate the log splitter.**
- **Block the log splitter wheels to prevent unintended movement.**
- **Never tow or operate this splitter while under the influence of alcohol, drugs, or medication. AVOID large holes and ditches when towing the equipment.**
- **ALWAYS tow at reduced speed on rough or uneven terrain, along creeks, ditches and on hillsides.**
- **To AVOID personal injury and/or equipment damage DO NOT EXCEED 45 km/h.**

# LOG SPLITTER COMPONENTS



- 1.) Safety Chains. A safety feature to prevent loss of log splitter while towing.
- 2.) 50mm Trailer Coupler. Attaches to your vehicle. Fits standard 50mm hitch balls.
- 3.) Hydraulic Cylinder. The Hydraulic cylinder has a 4 1/2" bore, 22 3/4" stroke.
- 4.) Control Valve. 4a.) Control Valve Handle. Use the control valve handle to move the Splitter wedge slide forward and backward.
- 5.) Splitter Wedge. The splitter wedge features wings and a taper that makes splitting easier.
- 6.) Log Cradle. Keeps the log on the beam without operator assistance.
- 7.) Beam. The beam is made of 6" wide flange beam (also called I-Beam) and is reinforced.
- 8.) Hydraulic lifting table
- 9.) Engine. The air cooled Honda GX200 engine powers the hydraulic pump.
- 10.) Rear Support Leg.
- 11.) Wheel/Tyre. Maximum rated speed is 45 km per hour.
- 12.) Fender.
- 13.) Two Stage Hydraulic Pump. Makes the hydraulic oil flow through the system.
- 14.) Tow Bar.
- 15.) Swing Jockey Wheel. For easy manoeuvrability.
- 16.) Hydraulic Hoses. a.) Inlet Hose, b) Outlet Hose, c) Cylinder Hose, d) Oil pipe
- 17.) Hydraulic Oil filter to increase the service life of the log Splitter components
- 18.) End Plate

# LOG SPLITTER TROUBLESHOOTING

Problem	
Cylinder rod & splitting wedge will not move	Solution: A, D, E, H, J
Slow cylinder shaft speed when extending or retracting	Solution: A, B, C, H, I, K, L
Wood will not split or splits extremely slowly	Solution: A, B, C, F, I, K
Engine bogs down during splitting	Solution: G, L
Engine stalls under low load condition	Solution: D, E, L, M

Cause	Solution
A - Insufficient oil to pump	Check oil level in reservoir
B - Air in oil	Check oil level in reservoir
C - Excessive pump inlet vacuum	Check pump inlet hose for blockage or kinks
D - Blocked hydraulic lines	Flush & clean the splitter hydraulic system
E - Blocked control valve	Flush & clean the splitter hydraulic system
F - Low control valve setting	Adjust control valve with a pressure gauge
G - High control valve setting	Adjust control valve with a pressure gauge
H - Damaged control valve	Return control valve for authorised repair
I - Internal control valve leak	Return control valve for authorised repair
J - Internal cylinder leak	Return cylinder for authorised repair
K - Internally damaged cylinder	Return cylinder for authorised repair
L - Engine control out of adjustment	Return for authorised repair
M - Engine is loaded during idle down mode	Use shorter log length (24" or less) to allow engine to speed up before contact

# MAINTENANCE AND STORAGE

**Before performing maintenance**, the log splitter must be placed in maintenance mode.

To do so follow these steps:

- 1.) Turn off engine.
- 2.) Move the control valve handle (4a) forward and backward to relieve **Hydraulic Pressure**.

**After performing maintenance**, make sure all guards, shields and safety features are put back in place. Failure to follow this warning can result in serious injury.

What	When	How
Hoses	Each Use	Inspect for exposed wire mesh & leaks. Replace all worn or damaged hoses before starting engine.
Hydraulic Fittings	Each Use	Inspect for cracks & leaks. Replace all damaged fittings before starting engine.
Nuts & Bolts	Each Use	Check for loose bolts
Beam	Each Use	Apply grease to beam surface
Moving Parts	Each Use	Clear debris

## Oil Filter:

**After the first 25 hours of operation, change the oil filter. There after every 100 hours of use or seasonally change filter.**

**Refer to engine manual for engine maintenance.**



## WARNING

Skin injection hazard.

High pressure fluid can inject under skin resulting in serious injury including amputation.

- Make sure all hose and control fittings are tight before applying pressure.

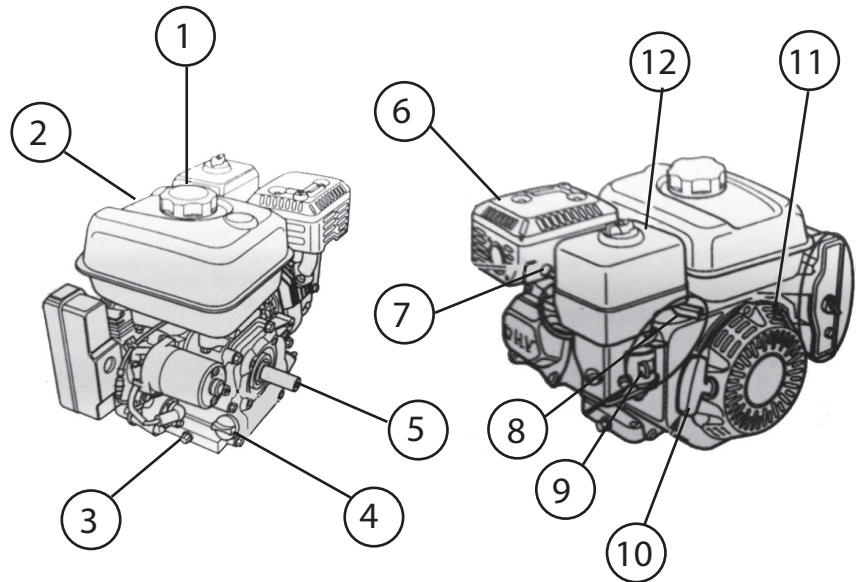
Relieve system pressure before servicing.

- Do not check for leaks with hand. Instead, place a piece of cardboard under the unit to check for leaks.

- If skin injection happens, seek immediate 'Surgical Treatment'. Call 000.

# ENGINE COMPONENTS

1. Fuel Cap
2. Fuel Tank
3. Oil Drain Plug
4. Oil Filler Cap/Dipstick
5. P.T.O Shaft
6. Muffler
7. Spark Plug
8. Choke Lever
9. Fuel Valve Lever
10. Starter Grip
11. Recoil Starter
12. Air Cleaner



**For more information on Engine Operation & Engine Maintenance please refer to engine manual supplied with the log splitter.**

## SPECIFICATIONS

Tested Splitting Force	30000kgs
Fastest Cycle Time	15 Seconds
Solid Splitting Wedge Size	20cm(8")
Hydraulic Tank Capacity	14 Litres
Max. Log Length	600mm (24")
Max. Log Weight	45kgs (100Lbs)
Coupler Ball Size	50mm
Tyre Size	40mm (16")
Max. Towing Speed	45 Km per hour
Cylinder Size	4 <sup>1</sup> / <sub>2</sub> " x 22 <sup>3</sup> / <sub>4</sub> "
Max. Pressure	3500 psi
Hydraulic Fluid Type	10W-AW32 &/or 10W-AW46
Gear Pump	2 stage
Max. Flow Capacity	46.8 LPM
Control Valve	Detent (auto-return)

Overall Dimensions of the log splitter when horizontal

Weight	244Kg
Height	1.2mm (45")
Width	1.17 m
Length	2.23 m



# RedGum Products

Visit [www.RedGumProducts.com.au](http://www.RedGumProducts.com.au) • Call 1300 039 251

## WARRANTY INFORMATION

Please note down for future reference:

RedGum Splitter Model: **RedGum Deluxe Lifter Splitter**

Date of Purchase:.....

Serial Number:.....

Engine Number:.....

Purchased from:.....

To find your nearest Authorised RedGum Products dealer, visit:  
**[www.RedGumProducts.com.au](http://www.RedGumProducts.com.au) or Call Toll Free 1300 039 251**

## NOTES

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The manufacturer reserves the right to make improvements in design and/or changes in specifications at any time without incurring any obligation to install them on units previously sold.

# RedGum Logsplitter Accessories Available

## 1.) RedGum Hydraulic Oil (Fluid 46 5L) - RRP \$49.75

High quality hydraulic oil fluid - ideal for topping up the log splitter's hydraulic reserve, when required.



## 2.) RedGum WorkTable & Heavy Duty WorkTable

Improves productivity by preventing split logs from falling to the ground. It also helps reduce the effort of picking up split logs that require further splitting.

**WorkTable - \$99, Heavy Duty WorkTable - \$129 (pictured)**



## 3.) RedGum Logsplitter Dust Cover - RRP \$99

Heavy-duty 200D logsplitter cover for superior protection against dust, dirt and heavy rain!



## 4.) RedGum Log Turn Table - RRP \$329

Our Patented Turn Table accessory fits all RedGum Log Splitters and allows for easy turning of heavy logs (for repeat splitting) when in vertical position.



## 5.) The Davis Starlifter - RRP \$289

Dual-purpose tool designed to lift and elevate logs off the ground to a more steady position for cutting. Also lifts T-posts vertically out of the ground.



## BRAND NEW ACCESSORY - CHECK IT OUT!

### RedGum Vertical Splitting Plate - RRP \$179

A new innovation by RedGum, this accessory is compatible with all non-lifter RedGum logsplitters. As an alternative to the Log Turn Table, this stationary plate makes vertical splitting of logs super simple and pain-free!



# RedGum Products

For more information contact your local RedGum Dealer

Visit: [www.RedGumProducts.com.au](http://www.RedGumProducts.com.au)

Phone: 1300 039 251



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