

# RedGum Chipper

## RedGum Chipper Shredder Owner's Manual



*Image for illustration purposes only, engine type may vary.*

This manual accompanies the RedGum Chipper Shredders  
powered by the **Honda GX200 engine**



### **WARNING**

**Read this manual, before operating the RedGum Chipper Shredder.**



# IMPORTANT: READ BEFORE USE

PLEASE KEEP THIS MANUAL FOR FUTURE REFERENCE

Read this operation manual carefully before attempting to assemble, adjust or operate the machine. Please read the included **Honda GX200 engine manual** for more information on the engine.

## Hazard Signal Word Definition



Attention & Warning



Danger - Rotating blades. Keep hands and feet out of openings while machine is running.



Check if any fuel spills or leaks. Stop the engine before refueling.



Exhaust gas contains poisonous carbon monoxide. Never operate this product in an enclosed area. Be sure the work area has adequate ventilation. Also avoid working downwind from exhaust.



Recommended oil type: **SAE 10W30** for Honda engine & **SAE 30** for Briggs & Stratton engine



Moving the level will adjust the revolution speed of engine. Move lever towards the rabbit icon for speeding up and towards the tortoise direction for slowing down.



The fuel supply to the engine can be turned off.



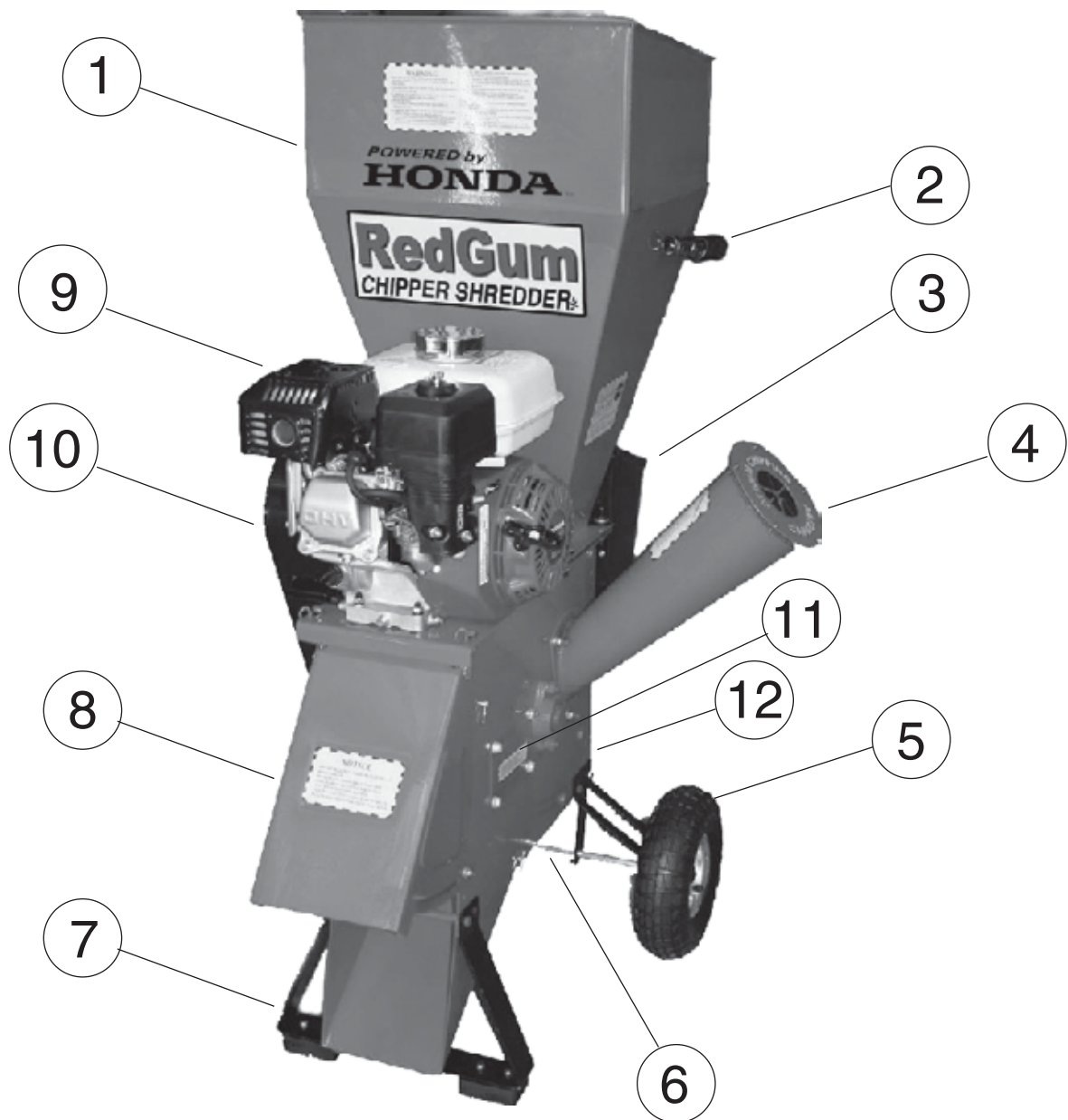
This label is for the engine switch. If you want to start the engine, put the switch to 'ON' position. Turn the switch to 'STOP' position to stop the engine.

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# Chipper Shredder Component Definitions



- 1.) Upper Hopper - material (less than 10mm diameter) to be shredded in here
- 2.) Handles x 2
- 3.) Storage Compartment
- 4.) Side Chute Chipping Tube - material (up to 75mm diameter) to be chipped in here
- 5.) Wheels - For easy maneuverability
- 6.) Rear Wheel Axle
- 7.) Front Support Legs
- 8.) Discharge Chute
- 9.) Engine
- 10.) Belt & Pulley Cover
- 11.) Blade Cover
- 12.) Chipper Body



## Safety Warnings

1. Never allow hands, feet, or any other part of the body to enter the upper hopper (1).
2. Never place hands, feet, or any other part of the body close to discharge chute opening (8) while machine is in operation.
3. Do not peer into hopper (1) or discharge chute opening (8) when the machine is running.
4. Never allow metal objects or other similar hard objects into machine.
5. Never allow children to operate machine.
6. Never operate your chipper shredder under the influence of alcohol, drugs or medication.
7. Never assemble or disassemble any parts of the machine while machine is operating.
8. Never allow children, pets or bystanders in operation zone. Keep them to a minimum of 10 metres away.
9. Never run machine in an enclosed area since exhaust from engine contains carbon monoxide which is poisonous.
10. Never wear loose clothes or long jewellery when operating machine and keep long hair under headgear. Do not wear shoes with high heels.
11. Wear ear protection, safety goggles and gloves at all times while operating the machine.
12. Be extremely cautious of rotating blades in machine.



## Operating Instructions

### Training

Make sure you fully understand the RedGum Chipper owner's manual and engine owner's manual before attempting to operate this machine.

### Preparation

1. Put the machine securely on a level surface
2. Keep the operator area clear of other objects
4. Before operating the machine, please check the direction of the wind to avoid working downwind of exhaust.
5. Examine the machine to make sure it is in good condition. Check that all the screws, nuts and other fasteners are properly secured and screens are in place.
6. Pay attention while handling fuels. They are flammable and the vapours are explosive. The points below should be followed at all times.
  - Never remove the fuel cap or add fuel while the machine is operating.
  - Stop the engine, and allow the engine and exhaust to cool before refuelling
  - Never add fuel to the machine while indoors.
  - Do not smoke while adding fuel.
  - Never refuel or store the machine where there is an open flame, spark or other ignition objects.
  - Always ensure the fuel cap is in place & securely tightened before starting the engine.
  - If the fuel tank needs to be drained, it should be done outdoors.
7. Keep all guards and deflectors in place and check to see if they are in good working condition, before starting chipper.

**While Chipper is being used, ensure the following practises are adhered to:**

1. Make sure the plastic cover in upper hopper (1) is closed when your shredder is running. Flying chips are very hazardous.
2. Do not use hands or metal tools to push material into the feed hopper.
3. Keep your face and body away from the upper hopper opening.
4. Do not allow body parts or clothing inside the upper hopper, discharge chute, or near other rotating parts.
5. Do not touch the muffler while chipper is in operation as it will be hot & can cause burns.
6. Keep proper balance and footing at all times. Do not overreach and never stand at a higher level than the base of the machine when feeding material into it.
7. Check if there is abnormal noise, smoke or shaking of machine. If so, please turn off engine immediately and solve the problem. Inspect for damage; check for and tighten any loose parts and ensure damaged parts are replaced or repaired before continuing to operate the chipper.
8. The chipper will chip branches up to 75mm in diameter. Branches with large diameters (closer to and up to 75mm) will need to be fed comparatively slowly than branches with a small diameter.
9. Do not allow processed material to build up in the discharge zone; this may interfere with ongoing discharge and can result in kickback of material back through the feed intake openings.
10. If the machine becomes clogged, turn off the chipper before clearing the debris. Keep the engine clean.
11. Never put something on the cover of the hopper in case it falls into the machine.
12. Make sure the opening of the chipping tube (4) is always covered, while not at work, in case children place objects into the tube. This can cause trouble in restarting the machine.
13. Do not move or tilt the machine while the engine is running.
14. Turn off the machine & turn off the fuel tap before transporting the machine.
15. To move the chipper, firmly hold the handles (2) with both hands, step on the rear wheel axle (6) with one foot, and lean the machine backward. Pay attention to keeping control of the machine & walk slowly into position.

## **Chipping Branches - Using the chipping tube (4) or side chute.**

**This chipper is designed to chip branches up to 75mm in diameter.**

1. Start engine & allow engine to gain optimum revs - slide rev lever to rabbit.
2. Feed long stems and long branches (ie. shrub and tree branches) into the side chipping tube for chipping by the rotating blades.
3. Shoots and branches may have to be trimmed from the main branch to allow the branch to fit into the chipping tube.
4. When feeding branches listen to the machine & watch chips exit from the bottom of the discharge chute (8). Thicker branches will take longer and need to be fed more slowly than thin ones.
5. Short stubs of branches may need to be pushed through the chipper tube with the next branch (never use your hand).
6. Push the last branch you are chipping for the day all the way inside the tube with a tool (ie. wooden stick), and ensure it has been completely chipped before turning off the machine. Leaving unchipped branches in the chipping tube can cause problems when next starting the chipper.
7. Cover the side chipping tube once you have finished chipping, with cover provided.

## **Shredding Leaves and Grass - Using the Upper Hopper (1).**

**This Chipper is designed to shred leaves, twigs & foliage up to 1cm thick.**

1. Start the engine and allow engine to gain optimum revs - slide rev lever to rabbit.
2. Feed leaves and thin stalks (nothing thicker than 1cm) into the hopper.
3. Do not open the plastic cover when adding material.
4. Keep your face and body away from the feed hopper to avoid being struck by any material that may bounce back.
5. If the material is too moist the discharge screen can become clogged. If clogging occurs stop the engine before cleaning.



**IMPORTANT:** Never attempt to clear an accumulation of processed material when engine is still in operation.

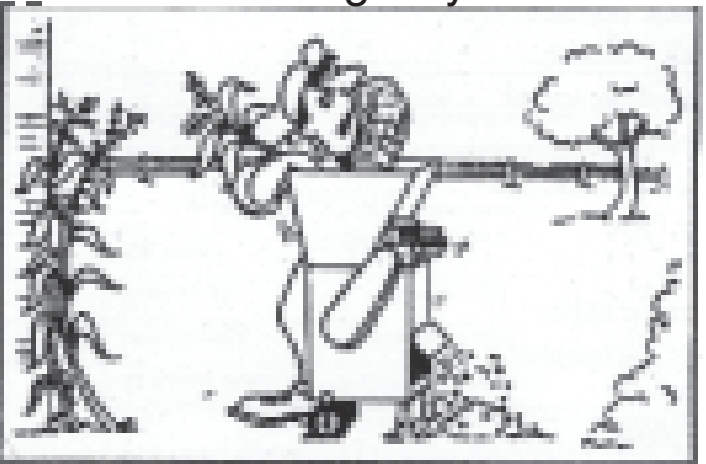
6. When feeding material into the hopper listen to the engine revs of the machine & watch mulch exit from the bottom of the discharge chute (8). If the machine sounds like it is struggling, stop feeding material until normal operation sound resumes.
7. Increasing the output (productivity) of the chipper can be achieved by removing the screen from the discharge chute. The material coming out of the discharge chute will be courser. If you want to reduce particle size refeed the material back into the upper hopper or refit the screen.

### Right Way



Wear glasses, earmuffs and gloves while operating machine. Feed material into chipper from a safe working distance.

### Wrong Way



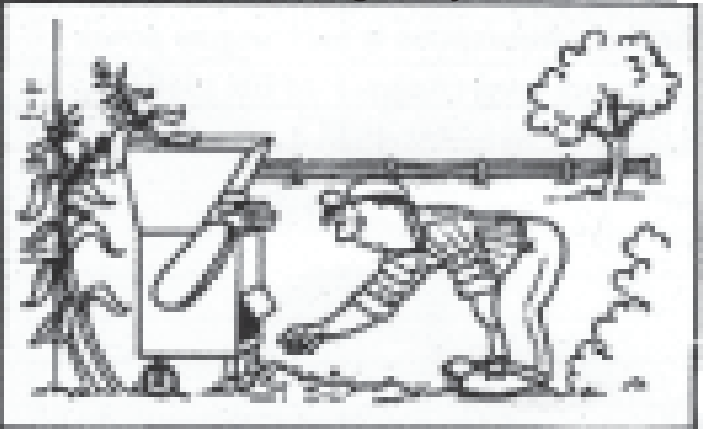
Don't allow hands to enter into hopper. Don't peer into hopper while it is operating.

### Right Way



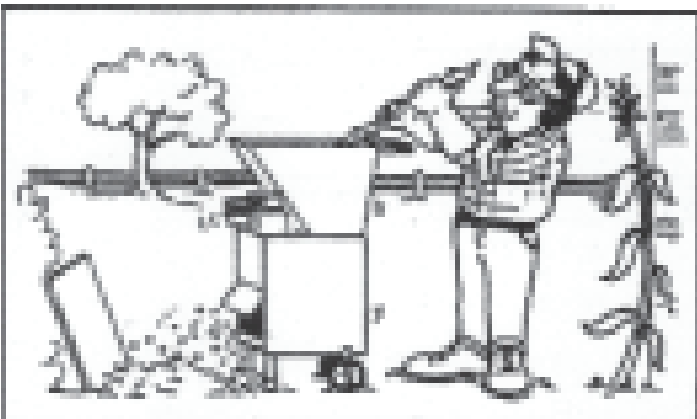
Turn chipper off and clear discharge area of machine with spade, rake or long handle tool.

### Wrong Way



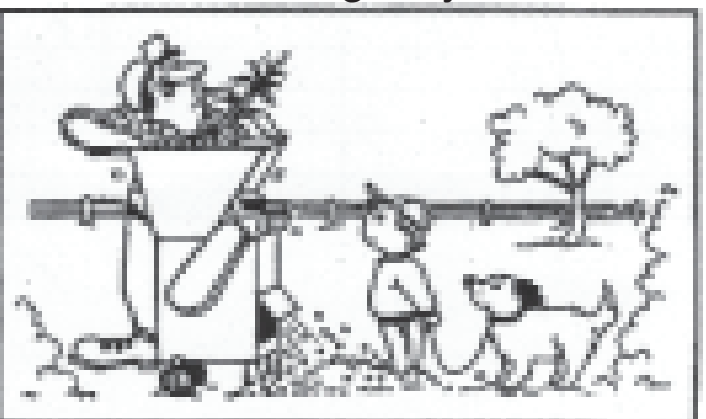
Do not clear discharge area while machine is operating. Never place any part of your body into discharge area while machine is operating.

### Right Way



If material bridges in hopper use stick or wooden tool to move material down into the hopper.

### Wrong Way



Do not allow pets, children or bystanders in operating area.





## Maintenance & Storage

1. When the machine needs servicing, parts replaced, inspection, or needs to go into storage, turn off the engine, make sure all moving parts have completely stopped and allow the machine to cool before doing so.
2. Store the machine where fuel vapours can not reach an open flame or spark. If in storage for a long period of time, drain the fuel out of the machine.
3. To assess if the cutting blades need servicing, or replacing, they can be accessed through the side of the chipper body (12) by removing blade cover (11).
4. For information regarding the maintenance of the engine please refer to the engine operations manual.

### Replacing the Blades

The cutting blades will become dull after being used for some time.

When the chipping speed slows, remove the blade and check if it is dull by:

1. Turning off the engine & removing spark plug cover
  - Remove the plate covering the blade (11)
  - Fully open the discharge chute (8)
  - Remove the discharge screen
2. Wear safety gloves and turn the blade tray inside the chipper body (12) so the blades align into the proper position (So they can be accessed through opening under the blade cover (11)).
3. Remove the two location screws on the blade. Please note each blade has one cutting edge.
4. Remove blade & replace with new blade.
5. Put new blades back to the place where the old blades were removed from and tighten.
6. Replace the plate covering the blade.
7. Replace the discharge screen.
8. Re-adjust the outlet of the discharge chute (8).

### Adjusting the Belt Tension

There is a 'V' belt under the belt cover (10). This belt connects the engine to the blade tray. The belt will loose tension over time. To re-adjust tension:

1. Turn off the engine and remove the belt cover.
2. Loosen the four engine location nuts
3. Move engine forward till the 'V' belt is tight.
4. Put the main pulley and affiliated pulley in the same plane. (A ruler can be used to measure if lack of experience). Tighten the four location nuts holding the engine.
5. Replace the belt cover.

### Replacing the V-Belt

1. Turn off the engine and remove the belt cover (10).
2. Remove the old belt.
3. Place the new belt in the main pulley first ('V' belt on engine) and then to the affiliated pulley beside the blade tray.
4. The new belt will be tighter than the old belt. If you need to adjust the belt tension, see information above (points 2 - 4).
5. Replace the belt cover.

# RedGumProducts

## Warranty and Service Information

Congratulations on the purchase of your new RedGum product. RedGum products assist you to complete the “job at hand” in an economical, safe and efficient manner.

This brochure explains the warranty and maintenance information for your product. This combined with your Owner’s Manual and the knowledge and expertise offered to you by your RedGum Dealer, should provide you with the confidence that your decision to purchase a RedGum product was a good one.

### STATEMENT OF WARRANTY

This statement of warranty applies to RedGum products and has been offered by the RedShed. The RedShed provides warranty to the initial purchaser of this product (who has purchased it from the RedShed directly or an authorised RedGum dealer) for a period commencing from the date of purchase.

**If the product is found to be defective, in the RedShed’s opinion (due to fault of the manufacturer) within the warranty period, the RedShed will carry out the repair or replacement to the customer Free of charge, providing;**

- The fault is reported directly to the RedShed or place of purchase.
- Proof of purchase is provided.
- The fault is not caused by misuse, neglect or incorrect adjustment by the user.
- The failure has not occurred through normal wear and tear.
- The product has not been serviced, repaired or alterations made by any one not authorised by the RedShed.

#### Warranty Information

Please note down for future reference

RedGum Chipper Model: **Chipper Shredder**

Date of Purchase:.....

Serial Number:.....

Purchased from:.....

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.

# WHAT IS NOT COVERED BY WARRANTY

The following items are not covered by this warranty;

- Normal maintenance items which become worn through use, including, but not limited to, belts, blades, oil, blade adapters, filters, rewind springs, spark plugs, starter ropes, clutches and sprockets.
- Natural discoloration of material due to sunlight.
- Engines not manufactured by RedGum, these items are covered by the respective original equipment manufacturers' warranty, all claims must be sent to the appropriate manufacturer's agents.
- Using stale or contaminated fuel in the product.
- Damage or failure caused by accident, misuse and/or neglect, including, ingress of dirt, abrasives, moisture, rust & corrosion, and damage due as a result of inadequate maintenance.
- Failure to operate or maintain the unit in accordance with the Owners/Operators manual, this handbook or instruction given by a RedGum dealer.
- Alterations or modifications that change the intended use of the product or affect the product's performance, operation, safety or durability, or causes the product to fail to comply with any applicable laws.
- Damage due to incorrect usage such as incorrect log placement as shown in the product's Owners Manual.
- Additional damage to parts or components due to continued use occurring after any of the above.

## ITEMS FOR WHICH A CHARGE WILL BE MADE

The following list is a guide to the types of items for which a charge will be made (unless failure is caused by a defect in manufacturer materials or workmanship).

**Service:** Maintenance servicing and all parts and fluids replaced in line with the maintenance schedule shown in this handbook.

**Mechanical Adjustments:** Including engine tuning, adjusting brakes, belts & clutches, etc.

**Drive System:** Sprockets, belts, clutches, pulleys and bearings all wear and will require replacement.

**Cutting Equipment:** Blades, cutting discs and hammers wear during use and sharpening/replacement is required as a matter of normal maintenance.

**Spark Plugs:** Periodic replacement is required to ensure maximum engine performance and best fuel economy.

**Induction/Combustion System:** The removal of deposits and cleaning may be required from time to time and should be performed as necessary.

**Tyres:** Are subject to wear and with contact from external objects can cause deflation. A flat tyre is **not** a warrantable item.

**External Surfaces, Paint, Trim and other Appearance items:** Are affected by normal wear and tear and exposure to environmental conditions. A charge will be made for paint and trim items that require attention due to causes outside the manufacturer's control.

**Hydraulics:** Changing hydraulic fluids.

The frequency of replacement, repair or adjustment will depend mainly on where and how you use your product, weather, atmospheric and environmental conditions and frequency of use.

## CUSTOMER RESPONSIBILITIES

The customer must provide to the Authorised RedGum Dealer proof of purchase information such as a receipt.

The product must exhibit reasonable care in the maintenance, operation, storage and general upkeep practices as explained in the maintenance section of the Owners/Operators Manual or this handbook. This includes the whole product or any general wear item or component on the product. Any costs incurred to obtain warranty consideration or services is the customer's responsibility, including shipping and handling, travel expenses, lost time, lost production or pickup and delivery.

## YOUR RIGHTS AS A CUSTOMER

The New Product Warranty that is provided by the RedShed on RedGum products is in addition to the rights and remedies conferred on consumers by the relevant authorities and/or legislation. The warranty does not affect those rights or remedies, except to the extent that their application may lawfully be excluded. Any consequential, direct or incidental loss or damage is not covered by the warranty. Any statutory or other rights or remedies available in connection with a claim for such loss or damage should be pursued separately.

## NOTES

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# THE WARRANTY PERIODS

The warranty periods below commence on the date of purchase.

Customer	RedGum Splitter	RedGum Chipper
Private/Domestic	24 months	12 Months
Commercial	3 months	3 Months

**NOTE:**

- Engines are covered by the respective original equipment manufacturers warranty and claims are made direct to the manufacturer agent.
- Replacement parts and accessories fitted during a repair under terms of warranty will enjoy cover for the remainder of the warranty period of the finished product.
- Warranty claims may only be made through an Authorised RedGum Dealer.

# WHERE TO GO FOR WARRANTY REPAIRS

Take your product to any authorised RedGum Dealer if it needs warranty repairs. All authorised RedGum Dealers will honour the New Product Warranty, and will repair, replace or adjust free of charge any part of your product that is defective in factory materials or workmanship. Please note that RedGum is unable to reimburse the cost of repairs carried out during the warranty period by a repairer other than an Authorised Servicing Dealer.

For your nearest authorised RedGum servicing dealer visit

**[www.RedGumProducts.com.au](http://www.RedGumProducts.com.au) or Call Toll Free 1300 136 572**

# MAINTENANCE SCHEDULE

COMPONENT	L/S	C/S	Interval			
			1	2	3	4
Complete Unit	Yes	Yes	I	I	I/C	I
On Off Switch	Yes	Yes	I	I	I	I
Choke/Primer	Yes	Yes	I/A	I	I/A	I
Engine Oil	Yes	Yes	I	R	R	I
Throttle Lever	Yes	Yes	I	I	I	I
Cables and Connections	Yes	Yes	I/A	I	I/A	I
Fuel Filter	Yes	Yes	I	I	R	
Carburettor	Yes	Yes	T	T	T	
Air Filter	Yes	Yes	I	I	C/R	I/C
Clutch	No	Yes	I	I	I	
Spark Plug	Yes	Yes	I	I/C	R	I
Cooling Fins	Yes	Yes	I	I/C	C	C
Starter Cord	Yes	Yes	I	I	I	I
Starter Housing Vents	Yes	Yes	I	I/C	C	C
Spark Arrestor	Yes	Yes	I	I	I/R	I
All Screws, Nuts & Linkage	Yes	Yes	I	I	I	I

COMPONENT	L/S	C/S	Interval			
			1	2	3	4
Anti Vibration Mounts	Yes	Yes	I	I	I	
Hydraulic Oil	Yes	No	I	I	I/R	I
Hydraulic Oil Pump	Yes	No	I	I	I	I/A
Hoses	Yes	No	I	I	I	I
Hydraulic Fittings	Yes	No	I	I	I/C	I/C
Beam	Yes	No	I	I	I	I
Control Valve	Yes	No	I	I	I	I
Belts	No	Yes	I	I	I/A	
Blades	No	Yes	I	I	I/R	
Flails/Hammers	No	Yes	I	I	I/R	

**LEGEND:** L/S = Log Splitter, C/S = Chipper Shredder  
 I = Inspect, T = Tune, R = Replace, C = Clean, S = Sharpen, A = Adjust, L = Lubricate

**INTERVAL:**

1 = Pre Delivery, 2 = First Service, 3 = Dealer Service, 4 = Every time the machine is used

**DEALER SERVICE:**

**First service: 5 hours or 3 months (whichever occurs first)**

Domestic Use = Every 12 months or 25 Hours (whichever occurs first)

Professional Use = Every 3 months or 100 Hours (whichever occurs first)



# NOTES

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# NOTES

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## **Your Local RedGum Dealer**

You can engage your local **RedGum Servicing Dealer** in order to repair, service or to carry out maintenance tasks. Your local RedGum Dealer will also be able to supply replacement parts for your RedGum Product. For more information about your RedGum Product visit [www.RedGumProducts.com.au](http://www.RedGumProducts.com.au) or call **1300 039 251**

### ***Accessories available:***

RedGum Chipper Cover - Protects your Chipper from dust and rain.

RedGum Chipper Feeding Tool - Helps to push branches through the chipper  
Prevents chipper blades from becoming clogged



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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**products

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

1300 039 251