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Ryobi RY3714 37cc 2-Cycle 14-inch Gas Chainsaw User Manual

Model: RY3714

1. INTRODUCTION AND GENERAL SAFETY

This manual provides essential instructions for the safe operation, maintenance, and troubleshooting of your Ryobi RY3714 37cc 2-Cycle 14-inch Gas Chainsaw. Read and understand all instructions before operating the chainsaw. Failure to follow these instructions can result in serious injury or property damage.

1.1 General Safety Warnings

- Always wear appropriate personal protective equipment (PPE), including head protection, eye protection, hearing protection, gloves, and safety footwear.
- Never operate the chainsaw when fatigued, under the influence of drugs, alcohol, or medication.
- Keep children, bystanders, and animals at least 50 feet (15 meters) away from the work area.
- Inspect the chainsaw before each use for loose fasteners, damaged parts, and proper chain tension.
- Ensure the work area is clear of obstacles and has good footing.
- Do not operate the chainsaw in a tree unless specifically trained and equipped for such work.
- Be aware of kickback and how to avoid it.

2. PRODUCT OVERVIEW AND COMPONENTS

Familiarize yourself with the various parts of your Ryobi RY3714 chainsaw to ensure safe and effective operation.



Figure 2.1: Front view of the Ryobi RY3714 14-inch Gas Chainsaw, highlighting the guide bar and chain.



Figure 2.2: Side view of the Ryobi RY3714 14-inch Gas Chainsaw, showing the engine housing and handles.



Figure 2.3: Top-down view of the Ryobi RY3714 14-inch Gas Chainsaw, illustrating the chain brake and top handle.



Figure 2.4: Close-up view of the Ryobi RY3714 14-inch Gas Chainsaw's control panel, showing the choke, primer bulb, and on/off switch.

2.1 Key Components:

- **Guide Bar:** Supports and guides the saw chain.
- **Saw Chain:** Cutting teeth that perform the cutting action.
- **Chain Brake:** Safety device that stops the chain in case of kickback.
- **Front Handle:** For gripping the chainsaw with the left hand.
- **Rear Handle:** For gripping the chainsaw with the right hand, contains throttle control.
- **Throttle Trigger:** Controls engine speed.
- **Throttle Lockout:** Prevents accidental throttle engagement.
- **Choke Lever:** Used for starting a cold engine.
- **Primer Bulb:** Primes the carburetor with fuel for easier starting.
- **Fuel Tank Cap:** For filling the fuel tank.
- **Oil Tank Cap:** For filling the chain lubricant tank.

3. SETUP AND ASSEMBLY

3.1 Unpacking and Initial Inspection

Carefully remove all components from the packaging. Inspect for any damage that may have occurred during shipping. Ensure all parts listed in the packing list are present.

3.2 Fuel and Oil Mixture

This chainsaw requires a specific fuel mixture. Use fresh unleaded gasoline mixed with a high-quality 2-cycle engine oil at a ratio of 50:1 (2.6 oz of oil per gallon of gasoline). Do not use E85 fuel or automotive oil. Always mix fuel in a separate, approved container.

1. Fill the fuel tank (marked with a fuel pump icon) with the prepared fuel mixture.
2. Fill the chain oil tank (marked with an oil can icon) with quality bar and chain lubricant. Do not use waste oil.

3.3 Chain Tension Adjustment

Proper chain tension is crucial for safe and efficient operation. The chain should be snug against the guide bar, but still able to be pulled around by hand with light effort. There should be no slack on the underside of the guide bar.

1. Loosen the two bar nuts on the side cover.
2. Turn the tensioning screw (usually located near the bar nuts) clockwise to tighten the chain, or counter-clockwise to loosen it.
3. Once the correct tension is achieved, tighten the bar nuts securely.
4. Recheck chain tension after the first few cuts, as new chains can stretch.

4. OPERATING INSTRUCTIONS

4.1 Starting the Chainsaw (Cold Engine)

1. Place the chainsaw on a firm, flat surface.
2. Engage the chain brake by pushing the front hand guard forward.
3. Push the primer bulb 6-10 times until fuel is visible in the return line.
4. Pull the choke lever out to the FULL CHOKE position.
5. Pull the starter rope firmly and steadily until the engine "pops" or attempts to start (usually 1-3 pulls). Do not pull the rope to its full extension.
6. Push the choke lever in to the HALF CHOKE position.
7. Pull the starter rope again until the engine starts.
8. Once the engine starts, immediately push the choke lever fully in to the RUN position.
9. Allow the engine to warm up for a few moments before disengaging the chain brake and beginning work.

4.2 Cutting Techniques

Always maintain a firm grip with both hands on the chainsaw handles. Stand with your feet shoulder-width apart for balance. Plan your cuts to avoid kickback and ensure the tree or limb falls in the intended direction.



Figure 4.1: Proper operation of the Ryobi RY3714 chainsaw for cutting a log, demonstrating safe posture and grip.

4.3 Stopping the Chainsaw

To stop the engine, release the throttle trigger and move the ON/OFF switch to the OFF position. Engage the chain brake immediately after stopping the engine.

5. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your chainsaw. Always disconnect the spark plug wire before performing any maintenance.

5.1 Chain Sharpening

A sharp chain is essential for efficient cutting and to prevent kickback. Sharpen the chain regularly using a round file of the correct diameter (typically 5/32 inch for 3/8 inch low profile chain) and a flat file for depth gauges. Consult a professional if unsure.

5.2 Air Filter Cleaning

Clean the air filter after every 5 hours of operation, or more frequently in dusty conditions. Remove the air filter cover, take out the filter, and clean it with warm, soapy water. Allow it to dry completely before reinstalling.

5.3 Spark Plug Inspection

Inspect the spark plug every 25 hours of operation. Clean any carbon deposits and check the electrode gap. Replace the spark plug annually or if it shows signs of wear or damage.

5.4 Guide Bar Maintenance

Regularly clean the guide bar groove to remove sawdust and debris. Flip the guide bar periodically to ensure even wear.

Check for burrs on the guide bar rails and file them smooth if present.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Engine will not start	No fuel, incorrect choke setting, fouled spark plug, stale fuel.	Check fuel level and mixture. Adjust choke. Clean/replace spark plug. Use fresh fuel.
Chainsaw cuts poorly	Dull chain, incorrect chain tension, guide bar wear.	Sharpen chain. Adjust chain tension. Inspect/replace guide bar.
Engine runs, but chain does not move	Chain brake engaged, clutch issue.	Disengage chain brake. Consult service center for clutch issues.
Excessive smoke	Incorrect fuel/oil mixture, dirty air filter.	Verify fuel/oil ratio. Clean air filter.

7. SPECIFICATIONS

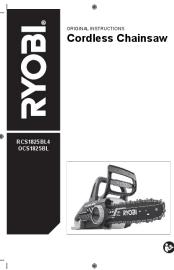
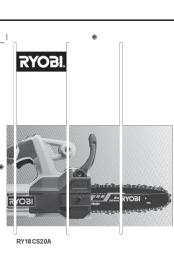
Feature	Detail
Brand	RYOBI
Model	RY3714
Engine Displacement	37 cc
Engine Type	2-Cycle Gas
Guide Bar Length	14 inches (35.56 cm)
Power Source	Gasoline
Weight	10 lbs (4.54 kg)
Dimensions (L x W x H)	48.77 x 31.75 x 31.75 cm

8. WARRANTY AND SUPPORT

For warranty information, technical support, or to locate an authorized service center, please refer to the warranty card included with your product or visit the official RYOBI website. Keep your purchase receipt as proof of purchase for warranty claims.

Online Resources: www.ryobitools.com

Related Documents - RY3714

	<p>Ryobi 18V Chainsaw Operator's Manual CCW180LBC / CCW180</p> <p>Comprehensive operator's manual for the Ryobi 18V Chainsaw (CCW180LBC / CCW180). Covers essential safety guidelines, step-by-step operation, maintenance, and troubleshooting for safe and efficient use.</p>
	<p>Ryobi RY36CSX35A Cordless Chainsaw User Manual</p> <p>Essential safety instructions, operating guidelines, and maintenance procedures for the Ryobi RY36CSX35A cordless chainsaw. Learn about intended use, safety precautions, proper handling, and troubleshooting for safe and effective operation.</p>
	<p>Ryobi RCS1825BL4/OCS1825BL Cordless Chainsaw User Manual</p> <p>Comprehensive user manual for the Ryobi RCS1825BL4 and OCS1825BL cordless chainsaws, covering safety instructions, operation, maintenance, and specifications. Includes detailed guidance on safe usage, troubleshooting, and product features.</p>
	<p>Ryobi Chainsaw User Manual - RCS1935B & RCS2340B</p> <p>Comprehensive user manual for Ryobi RCS1935B and RCS2340B electric chainsaws, detailing safety instructions, operation, maintenance, and assembly procedures for optimal and safe use.</p>
	<p>RYOBI RY18CS20A Cordless Chainsaw: Operator's Manual & Safety Guide</p> <p>Comprehensive operator's manual for the RYOBI RY18CS20A cordless chainsaw. Learn about safe operation, maintenance, battery care, and essential safety guidelines to ensure proper use of your RYOBI chainsaw.</p>
	<p>Ryobi TP30 Gas Pruner RY52502 & RY52903 Parts List and Repair Information</p> <p>Comprehensive parts list and diagrams for the Ryobi TP30 Gas Pruner, models RY52502 and RY52903. Includes detailed part numbers, descriptions, and quantities for repair and maintenance.</p>