



**OPERATOR'S MANUAL
MANUEL D'UTILISATION
MANUAL DEL OPERADOR**

42cc BACKPACK BLOWER

42 cc SOUFFLANTE DORSALE

42 cc SOPLADORA DE MOCHILA

RY08420

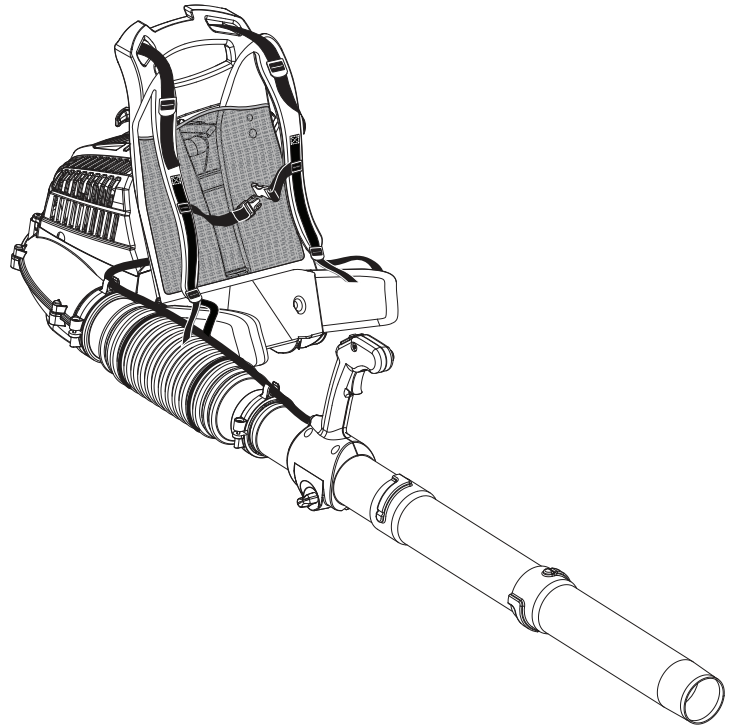
**ALL VERSIONS
TOUTES LES VERSIONS
TODAS LAS VERSIONES**



NOTICE: Do not use E15 or E85 fuel (or fuel containing greater than 10% ethanol) in this product. It is a violation of federal law and will damage the unit and void your warranty.

AVIS : Ne pas utiliser d'essence E15 ou E85 (ou un carburant contenant plus de 10 % d'éthanol) dans ce produit. Une telle utilisation représente une violation de la loi fédérale et endommagera l'appareil et annulera la garantie.

AVISO: No utilice combustibles E15 o E85 (ni combustibles que contengan más de 10 % de etanol) con este producto. Esto constituye una violación a la ley federal, dañará la unidad y anulará la garantía.



Your blower has been engineered and manufactured to our high standard for dependability, ease of operation, and operator safety. When properly cared for, it will give you years of rugged, trouble-free performance.

WARNING: To reduce the risk of injury, the user must read and understand the operator's manual before using this product.

SAVE THIS MANUAL FOR FUTURE REFERENCE

Ce soufflante dorsale a été conçu et fabriqué conformément à nos strictes normes de fiabilité, simplicité d'emploi et sécurité d'utilisation. Correctement entretenu, cet outil vous donnera des années de fonctionnement robuste et sans problème.

AVERTISSEMENT : Pour réduire les risques de blessures, l'utilisateur doit lire et veiller à bien comprendre le manuel d'utilisation avant d'employer ce produit.

Su sopladora de mochila ha sido diseñado y fabricado de conformidad con nuestras estrictas normas para brindar fiabilidad, facilidad de uso y seguridad para el operador. Con el debido cuidado, le brindará muchos años de sólido funcionamiento y sin problemas.

ADVERTENCIA: Para reducir el riesgo de lesiones, el usuario debe leer y comprender el manual del operador antes de usar este producto.

**CONSERVER CE MANUEL POUR
FUTURE RÉFÉRENCE**

**GUARDE ESTE MANUAL PARA
FUTURAS CONSULTAS**

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INTRODUCTION

INTRODUCTION / INTRODUCCIÓN

This product has many features for making its use more pleasant and enjoyable. Safety, performance, and dependability have been given top priority in the design of this product making it easy to maintain and operate.

* * *

Ce produit offre de nombreuses fonctions destinées à rendre son utilisation plus plaisante et satisfaisante. Lors de la conception de ce produit, l'accent a été mis sur la sécurité, les performances et la fiabilité, afin d'en faire un outil facile à utiliser et à entretenir.

* * *

Este producto ofrece numerosas características para hacer más agradable y placentero su uso. En el diseño de este producto se ha conferido prioridad a la seguridad, el desempeño y la fiabilidad, por lo cual se facilita su manejo y mantenimiento.

GENERAL SAFETY RULES

WARNING:

Read and understand all instructions. Failure to follow all instructions listed below may result in electric shock, fire and/or carbon monoxide poisoning which will cause death or serious personal injury.

- Do not allow children or untrained individuals to use this unit.
- Do not start or operate the engine in a confined space, building, near open windows, or in other unventilated space where dangerous carbon monoxide fumes can collect. Carbon monoxide, a colorless, odorless, and extremely dangerous gas, can cause unconsciousness or death.
- Always wear eye protection with side shields marked to comply with ANSI Z87.1, along with hearing protection. Failure to do so could result in objects being thrown into your eyes and other possible serious injuries.
- Keep all bystanders, children, and pets at least 50 feet away.
- Wear heavy long pants, long sleeves, boots, and gloves. Do not wear loose-fitting clothing, short pants, sandals, jewelry of any kind, or go barefoot.
- To reduce the risk of injury associated with objects being drawn into rotating parts, do not wear loose clothing, scarves, neck chains, and the like. Secure long hair so it is above shoulder level to prevent entanglement in any rotating parts.
- Do not operate this unit when you are tired, ill, upset, or under the influence of alcohol, drugs, or medication.
- Do not operate in poor lighting.
- Keep all parts of your body away from any moving parts and all hot surfaces of the unit.
- Wear a face filter mask in dusty conditions to reduce the risk of injury associated with the inhalation of dust.

- Check the work area before each use. Remove all objects such as rocks, broken glass, nails, wire, or string which can be thrown or become entangled in the machine.
- Keep firm footing and balance. Do not overreach. Overreaching can result in loss of balance or exposure to hot surfaces.
- Never operate the unit without a spark arrestor screen; this screen is located inside the muffler.
- Product users on United States Forest Service land, and in some states, must comply with fire prevention regulations. This product is equipped with a spark arrestor; however, other user requirements may apply. Check with the federal, state, or local authorities in your area.
- Before storing, allow the engine to cool.
- Use only manufacturer's replacement parts and accessories. Failure to do so may cause poor performance or possible injury.
- Maintain the unit per maintenance instructions in this Operator's Manual.
- Inspect the unit before each use for loose fasteners, fuel leaks, etc. Replace damaged parts.
- Do not use on a ladder, rooftop, tree, or other unstable support. Stable footing on a solid surface enables better control of the blower in unexpected situations.

SERVICE

- Before cleaning, repairing, or inspecting, shut off the engine and make certain all moving parts have stopped. Disconnect the spark plug wire, and keep the wire away from the plug to prevent starting.
- Service on the blower must be performed by qualified repair personnel only. Service or maintenance performed by unqualified personnel could result in injury to the user or damage to the product.
- Use only identical replacement parts when servicing the product. Use of unauthorized parts may create a risk of serious injury to the user, or damage to the product.

SPECIFIC SAFETY RULES




- To reduce the risk of hearing loss associated with sound level(s), hearing protection is required.
- To reduce the risk of injury associated with contacting rotating parts, stop the engine before installing or removing attachments. Do not operate without all guard(s) and tubes in place. Always disconnect the spark plug before performing maintenance or accessing any movable parts.
- Rotating impeller blades can cause severe injury. Do not put hands or any other object into the blower housing air outlet or blower tubes.
- Do not point the blower nozzle in the direction of people or pets.
- Never run the unit without the blower tubes installed.
- Never place objects inside the blower tubes.
- Never use blower near fires, fireplaces, hot ashes, barbecue pits, etc., which may cause fire to spread.
- Never place blower on any surface, except a hard, clean surface when engine is running. Gravel, sand, and other debris can be picked up by the air inlet and thrown at the operator or bystanders, causing possible serious injuries.
- Never use for spreading chemicals, fertilizers, toxic substances, or any other hazardous chemical.
- Always hold the throttle control handle in your right hand. Refer to the *OPERATION* section later in this manual for additional information.
- This product is intended for infrequent use by homeowners and other occasional users for such general applications as blowing leaves and lawn clippings, etc. It is not intended for prolonged use. Prolonged periods of operation can cause circulatory problems in the user's hands due to vibration. For such use, it may be appropriate to use a product having an anti-vibration feature.
- To reduce the risk of fire and burn injury, handle fuel with care. It is highly flammable.
- Do not smoke while handling fuel.
- Mix and store fuel in a container approved for gasoline.
- Mix fuel outdoors where there are no sparks or flames.
- Select bare ground, stop engine, and allow to cool before refueling.
- Loosen fuel cap slowly to release pressure and to keep fuel from escaping around the cap.
- Tighten the fuel cap securely after refueling.
- Wipe spilled fuel from the unit. Move 30 feet away from refueling site before starting engine.
- Never attempt to burn off spilled fuel under any circumstances.
- Store fuel in a cool, well-ventilated area, safely away from spark and/or flame-producing equipment.
- Store fuel in containers specifically designed for this purpose.
- Only refuel outdoors and do not smoke while refueling.
- Add fuel before starting the engine. Never remove the cap of the fuel tank or add fuel while the engine is running or when the engine is hot.
- If fuel is spilled, do not attempt to start the engine but move the machine away from the area of spillage and avoid creating any source of ignition until fuel vapors have dissipated.
- Replace all fuel tank and container caps securely.
- When draining the fuel tank, use an approved fuel storage container while in a well-ventilated area.
- Save these instructions. Refer to them frequently and use them to instruct others who may use this product. If you loan someone this product, loan them these instructions also.

REFUELING











- Fuel is highly flammable. Take precautions when using to reduce the chance of serious personal injury.
- Empty fuel tank and restrain the unit from moving before transporting in a vehicle.

SYMBOLS

The following signal words and meanings are intended to explain the levels of risk associated with this product.

SYMBOL	SIGNAL	MEANING
	DANGER:	Indicates an imminently hazardous situation, which, if not avoided, will result in death or serious injury.
	WARNING:	Indicates a potentially hazardous situation, which, if not avoided, could result in death or serious injury.
	CAUTION:	Indicates a potentially hazardous situation, which, if not avoided, may result in minor or moderate injury.
	NOTICE:	(Without Safety Alert Symbol) Indicates important information not related to an injury hazard, such as a situation that may result in property damage.

Some of the following symbols may be used on this product. Please study them and learn their meaning. Proper interpretation of these symbols will allow you to operate the product better and safer.

SYMBOL	NAME	EXPLANATION
	Safety Alert Symbol	Indicates a potential personal injury hazard
	Read Operator's Manual	To reduce the risk of injury, user must read and understand operator's manual before using this product
	Eye and Hearing Protection	Always wear eye protection with side shields marked to comply with ANSI Z87.1 along with hearing protection.
	Impeller Blades	Contact with rotating impeller blades can cause severe injury.
	Blower Tubes	Do not operate without tubes in place.
	Long Hair	Risk of long hair being drawn into air inlet
	Loose Clothing	Risk of loose clothing being drawn into air intake
	Keep Bystanders Away	Keep all bystanders at least 50 ft. away.
	Ricochet	Thrown objects can ricochet and result in personal injury or property damage.
	Gasoline and Oil	Use unleaded gasoline intended for motor vehicle use with an octane rating of 87 [(R + M) / 2] or higher. This product is powered by a 2-cycle engine and requires pre-mixing gasoline and 2-cycle oil.

FEATURES

PRODUCT SPECIFICATIONS

Engine Displacement.....42cc
Weight 18 lbs.

Air Velocity:
MPH..... 180
CFM..... 475

KNOW YOUR BLOWER

See Figures 1 - 2.

The safe use of this product requires an understanding of the information on the product and in this operator's manual as well as a knowledge of the project you are attempting. Before use of this product, familiarize yourself with all operating features and safety rules.

ADJUSTABLE HARNESS AND WAIST STRAPS

The blower comes with fully adjustable harness and waist straps to ensure user comfort and ease of operation.

ADJUSTABLE THROTTLE CONTROL HANDLE

Easily adjust throttle control handle by loosening handle knob to position handle in desired location.

CRUISE CONTROL

The cruise control feature allows the user to operate the blower without holding the throttle.

ENGINE

The blower has a powerful 42cc engine with sufficient power to handle tough jobs.

MESH BACKING

The blower comes equipped with a mesh backing which aids in user comfort.

THROTTLE TRIGGER

The blower can be operated at any speed between idle and full throttle.

ASSEMBLY

UNPACKING

This product requires assembly.

- Carefully remove the product and any accessories from the box. Make sure that all items listed in the packing list are included.



WARNING:

Do not use this product if any parts on the Packing List are already assembled to your product when you unpack it. Parts on this list are not assembled to the product by the manufacturer and require customer installation. Use of a product that may have been improperly assembled could result in serious personal injury.

- Inspect the product carefully to make sure no breakage or damage occurred during shipping.
- Do not discard the packing material until you have carefully inspected and satisfactorily operated the product.
- If any parts are damaged or missing, please call 1-800-860-4050 for assistance.

PACKING LIST

Backpack Blower
Bellows
Throttle Control Handle Tube
Straight Tube
Nozzle
Large Tube Clamp (upper)
Small Tube Clamp (lower)
2-Cycle Engine Oil
Scrench
Operator's Manual

NOTE: Read and remove all hang tags and store with your operator's manual.

ASSEMBLY

WARNING:

If any parts are damaged or missing do not operate this product until the parts are replaced. Use of this product with damaged or missing parts could result in serious personal injury.

WARNING:

Do not attempt to modify this product or create accessories not recommended for use with this product. Any such alteration or modification is misuse and could result in a hazardous condition leading to possible serious personal injury.

WARNING:

To prevent accidental starting that could cause serious personal injury, always disconnect the engine spark plug wire from the spark plug when assembling parts.

ASSEMBLING THE BLOWER TUBES

See Figures 3 - 5.

- Place a large tube clamp onto the outer slot of the upper (wider) end of the bellows.
- Attach upper end of bellows onto blower housing by sliding it over the air outlet. The raised ridge closest to the air outlet should securely fit into the slot inside the bellows when the bellows is properly installed. Tighten the large tube clamp.
- Place a tube clamp on other end of bellows. Press bellows onto throttle control handle tube. Tighten small tube clamp.

NOTE: The position of the throttle control handle may be adjusted for comfort after the blower is strapped onto the operator's back.

- Join the straight tube and nozzle together by aligning raised locking tabs on straight tube with the raised locking slots on nozzle and twist to secure.

- Assemble the connected lower tubes to the throttle control handle tube by aligning raised locking tabs on the throttle control handle tube with the raised locking slots on connected lower tubes by twisting to secure.

NOTE: Check all locking connections after initial run to ensure they are tightly secured.

CAUTION:

Make all adjustments to the harness straps before starting the blower to avoid the possibility of injury.

ADJUSTING HARNESS

See Figure 6.

Straps should be adjusted to a comfortable position before starting the blower.

To adjust harness strap assembly:

- Blower should be in operating position before adjusting the harness straps. Slip arm through harness strap and onto shoulder, then repeat for the other shoulder.
- Grasp the lower adjustment strap and tighten (pull down on strap) until the backpack blower rests comfortably against the small of the back.
- Next, grasp the upper adjustment straps and tighten (pull down on strap) until the backpack blower fits comfortably on the shoulders.
- Once the blower feels comfortable, secure the chest strap.

ADJUSTING THROTTLE CONTROL HANDLE

See Figure 7.

- Loosen locking screw by turning counterclockwise.
- Move throttle control handle to desired position and secure locking screw by turning clockwise.

OPERATION

WARNING:

Do not allow familiarity with this product to make you careless. Remember that a careless fraction of a second is sufficient to inflict serious injury.

WARNING:

Always wear eye protection with side shields marked to comply with ANSI Z87.1, along with hearing protection. Failure to do so could result in objects being thrown into your eyes and other possible serious injuries.

WARNING:

Do not use any attachments or accessories not recommended by the manufacturer of this product. The use of attachments or accessories not recommended can result in serious personal injury.

WARNING:

Operation of this equipment could create sparks that can start fires around dry vegetation. A spark arrestor may be required. The operator should contact local fire agencies for laws or regulations relating to fire prevention requirements.

APPLICATIONS

You may use this product for the purposes listed below:

- Clear leaves and other debris from your lawn
- Keeping decks and driveways free from grass clippings, leaves, pine needles, and other debris

FUELING AND REFUELING THE BLOWER

WARNING:

Gasoline and its vapors are highly flammable and explosive. To prevent serious personal injury and property damage, handle it with care. Keep away from ignition sources and open flames, handle outdoors only, do not smoke and wipe up spills immediately.

FUEL MIXTURE

This product is powered by a 2-cycle engine and requires pre-mixing gasoline and 2-cycle lubricant. Pre-mix unleaded gasoline and 2-cycle engine lubricant in a clean container approved for gasoline. DO NOT mix quantities larger than usable in a 30-day period.

Recommended fuel: This engine is certified to operate on unleaded gasoline intended for automotive use.

NOTE: We recommend you use Homelite premium 2-cycle lubricant, PowerCare 2-cycle lubricant (6.4 oz. or 16 oz.), or

an equivalent high-quality synthetic 2-cycle lubricant in this product. Mix at 2.6 oz. per gallon (US).

Do not use automotive lubricant or 2-cycle outboard lubricant.

HIGH QUALITY 2-CYCLE ENGINE LUBRICANT



GASOLINE

1 gallon (US)

1 liter

LUBRICANT

2.6 oz.

20 cc (20 ml)

FILLING TANK

- Clean surface around fuel cap to prevent contamination.
- Loosen the fuel cap slowly by turning counterclockwise. Rest the cap on a clean surface.
- Carefully pour fuel into the tank. Avoid spillage.
- Prior to replacing the fuel cap, clean and inspect the gasket.
- Immediately replace fuel cap and hand tighten by turning it clockwise. Wipe up any fuel spillage.
- Move at least 30 ft. away from refueling area before starting the product.

WARNING:

Check for fuel leaks, which are a fire hazard. Failure to do so could result in a fire that could cause serious personal injury.

NOTE: It is normal for smoke to be emitted from a new engine after first use.

WARNING:

Always shut off engine before fueling. Never add fuel to a machine with a running or hot engine. Move at least 30 ft. from refueling site before starting engine. Do not smoke and stay away from open flames and sparks. Failure to safely handle fuel could result in serious personal injury.

OXYGENATED FUELS

NOTICE: DO NOT USE E15 OR E85 FUEL IN THIS UNIT. IT IS A VIOLATION OF FEDERAL LAW AND WILL DAMAGE THE UNIT AND VOID YOUR WARRANTY.

NOTE: Fuel system damage or performance problems resulting from the use of an oxygenated fuel containing more than the percentages of oxygenates stated below are **not covered under warranty.**

Ethanol. Gasoline containing up to 10% ethanol by volume (commonly referred to as E10) is acceptable. E15 and E85 are not.

OPERATION

STARTING AND STOPPING

See Figures 8 - 10.

Blower should be on a flat, bare surface for starting.

- Slowly press the primer bulb 10 times.
NOTE: After the 10th press, fuel should be visible in the primer bulb. If it is not, continue to press the primer until you see fuel in the bulb.
- Set the choke lever to the **FULL CHOKE** position.
- Pull starter grip sharply until engine attempts to run. Do not pull the starter grip more than five (5) times.
- Set the choke lever to the **RUN** position.
- Pull the starter grip and rope until the engine runs. Do not pull the starter grip more than six (6) times.
NOTE: If the engine does not start, return to the **FULL CHOKE** position and repeat the steps that follow.
- Allow the engine to run for 10 seconds before using the blower.

TO STOP THE ENGINE:

- To stop the engine, depress the STOP switch to the stop position “O”.

HOT RESTART OF THE ENGINE:

- Set the choke lever to the **RUN** position.
- Lock cruise control.
- Pull the starter grip until the engine runs.

IF ASSISTANCE IS REQUIRED STARTING THIS PRODUCT:

Do not return this product to the retail store where it was purchased. Please call our Customer Service Department for any issues you may have.

For Help Call: 1-800-860-4050.

WARNING:

Keep away from the muffler and all hot surfaces of the blower. Failure to do so could result in possible serious personal injury.

OPERATING THE BLOWER

See Figure 11.

- Slip arm through harness strap and onto shoulder, then repeat for the other shoulder. Adjust the straps to a comfortable position. Refer to **Adjusting Harness Straps** earlier in this manual. Remove unit for starting.
- Start the blower. Refer to **Starting and Stopping** earlier in this manual.
- Put on the blower again. The unit should be operated on the operator's right side as shown.
- To keep from scattering debris, blow around the outer edges of a debris pile. Never blow directly into the center of a pile.

- Operate power equipment at reasonable hours only — not early in the morning or late at night when people might be disturbed. Comply with the times listed in local ordinances.
- To reduce sound levels, limit the number of pieces of equipment used at any one time.
- Operate blower at the lowest possible throttle speed to do the job.
- Check your equipment before operation, especially the muffler, air intakes, and air filters.
- Use rakes and brooms to loosen debris before blowing. In dusty conditions, slightly dampen surfaces when water is available.
- Conserve water by using power blowers instead of hoses for many lawn and garden applications, including areas such as gutters, screens, patios, grills, porches, and gardens.
- Watch out for children, pets, open windows, or freshly washed cars, and blow debris safely away.
- Use the nozzle for larger volume, so the air stream can work close to the ground.
- After using blowers or other equipment, **CLEAN UP!** Dispose of debris properly.

WARNING:

Do not place blower on top of or near loose debris. Debris can be sucked into blower intake vent resulting in serious personal injury and possible damage to the unit.

CRUISE CONTROL

See Figure 12.

The cruise control can be used to operate the blower without holding the throttle trigger.

To engage the cruise control:

- Pull cruise control lever back toward user, and stop at the desired throttle setting.
- To release the cruise control, push cruise control lever all the way toward the front of unit.

MAINTENANCE

WARNING:

When servicing, use only identical replacement parts. Use of any other parts can create a hazard or cause product damage.

WARNING:

Always wear eye protection with side shields marked to comply with ANSI Z87.1, along with hearing protection. Failure to do so could result in objects being thrown into your eyes and other possible serious injuries.

WARNING:

Before inspecting, cleaning, troubleshooting, or servicing the machine, shut off engine, wait for all moving parts to stop, and disconnect spark plug wire and move it away from spark plug. Failure to follow these instructions can result in serious personal injury or property damage.

GENERAL MAINTENANCE

Avoid using solvents when cleaning plastic parts. Most plastics are susceptible to damage from various types of commercial solvents and may be damaged by their use. Use clean cloths to remove dirt, dust, lubricant, grease, etc.

WARNING:

Do not at any time let brake fluids, gasoline, petroleum-based products, penetrating lubricants, etc., come in contact with plastic parts. Chemicals can damage, weaken or destroy plastic which can result in serious personal injury.

Only the parts shown on the parts list are intended to be repaired or replaced by the customer. All other parts should be replaced at an Authorized Service Center.

SPARK PLUG

This engine uses a Champion RCJ4 or equivalent spark plug with .025 in. electrode gap. Use an exact replacement and replace annually, or more frequently if necessary.

NOTICE:

Be careful not to cross-thread the spark plug. Cross-threading will seriously damage the product.

CLEANING THE EXHAUST PORT

NOTE: Depending on the type of fuel used, the type and amount of lubricant used, and/or your operating conditions, the exhaust port, muffler, and/or spark arrestor screen may become blocked with carbon deposits. If you notice a power loss with your gas powered tool, you may need to remove these deposits to restore performance. We highly recommend that only qualified service technicians perform this service.

WARNING:

Never run the blower without a muffler equipped with a spark arrestor in place. Failure to do so could result in a fire that could cause serious personal injury.

FUEL CAP, TANK, AND LINES

WARNING:

Check for fuel leaks. A leaking fuel cap, tank, or lines are a fire hazard and must be replaced immediately. If you find any leaks, correct the problem before using the product. Failure to do so could result in a fire that could cause serious personal injury.

The fuel cap contains a non-serviceable filter and a check valve. A clogged fuel filter will cause poor engine performance. If performance improves when the fuel cap is loosened, the check valve may be faulty or filter clogged. Replace the fuel cap if required.

STORING THE PRODUCT

- Clean all foreign material from the product. Store it in a well-ventilated place that is inaccessible to children. Keep away from corrosive agents such as garden chemicals and de-icing salts.
- Abide by all Federal and local regulations for the safe storage and handling of gasoline.

When storing 1 month or longer:

- Drain all fuel from tank into a container approved for gasoline. Run engine until it stops.

HIGH ALTITUDE ENGINE OPERATION

Please have an authorized service center adjust this engine if it is to be run above 2000 feet. Failure to do so may result in poor engine performance and increased emissions. An engine adjusted for high altitudes can not be run at 2000 feet or lower. In doing so, the engine will overheat and cause serious engine damage. Please have an authorized service center restore high altitude modified engines to the original factory specification before operating below 2000 feet.

MAINTENANCE

THIS PRODUCT WAS MANUFACTURED WITH A CATALYST MUFFLER

Congratulations! You have made an investment toward protecting the environment. In order to maintain this product's original emission level, please refer to the maintenance section below.

Maintenance Part	Inspect For Damage Before Each Use	Clean Every 5 Hours	Replace Every 25 Hours or Yearly	Replace Every 50 Hours
SPARK SCREEN				X
*AIR FILTER ASSY				
includes:				
Filter Screen				X
*CARBURETOR ASSY				
*FUEL TANK ASSY				
includes:				
Fuel Lines		X		
Fuel Cap		X		
Fuel Filter			X	
*IGNITION ASSY				
includes:				
Spark Plug				X
*NOTICE: THE USE OF EMISSION CONTROL COMPONENTS OTHER THAN THOSE DESIGNED FOR THIS UNIT IS A VIOLATION OF FEDERAL LAW.				



CALL US FIRST

For any questions about operating or maintaining your product,
call the Ryobi® Help Line!

Your product has been fully tested prior to shipment to ensure
your complete satisfaction.

TROUBLESHOOTING

IF THESE SOLUTIONS DO NOT SOLVE THE PROBLEM CONTACT YOUR AUTHORIZED SERVICE CENTER.

Problem	Possible Cause	Solution
Engine will not start.	<p>No spark.</p> <p>No fuel.</p> <p>Engine is flooded.</p> <p>Starter rope pulls harder now than when new.</p>	<p>Check spark. Remove spark plug. Reattach the spark plug cap and lay spark plug on metal cylinder. Pull the starter rope and watch for spark at spark plug tip. If there is no spark, repeat test with a new spark plug.</p> <p>Push primer bulb until bulb is full of fuel. If bulb does not fill, primary fuel delivery system is blocked. Contact a servicing dealer. If primer bulb fills, engine may be flooded, proceed to next item.</p> <p>Allow the unit to sit for 30 minutes. Place choke in the RUN position. Hold throttle at full throttle and pull to start. If unit does not start within 15 pulls, replace the spark plug and try restarting the engine.</p> <p>Contact an Authorized Service Center.</p>
Engine starts but will not accelerate.	Engine requires approximately three minutes to warm up.	Allow engine to completely warm up. If engine does not accelerate after three minutes, contact an authorized servicing dealer.
Engine starts but will only run at high speed at half choke.	Carburetor requires adjustment.	Contact an Authorized Service Center.
Engine does not reach full speed and emits excessive smoke.	<p>Check lubricant fuel mixture.</p> <p>Air filter is dirty.</p>	<p>Use fresh fuel and the correct 2-cycle lubricant mix.</p> <p>Contact an Authorized Service Center.</p>

WARRANTY

LIMITED WARRANTY STATEMENT

Techtronic Industries North America, Inc., warrants to the original retail purchaser that this RYOBI® brand outdoor product is free from defect in material and workmanship and agrees to repair or replace, at Techtronic Industries North America, Inc.'s, discretion, any defective product free of charge within these time periods from the date of purchase.

- Three years if the product is used for personal, family or household use;
- 30 days, if used for any other purpose, such as commercial or rental.

This warranty extends to the original retail purchaser only and commences on the date of the original retail purchase.

Any part of this product found in the reasonable judgment of Techtronic Industries North America, Inc. to be defective in material or workmanship will be repaired or replaced without charge for parts and labor by an authorized service center for RYOBI® brand outdoor products (Authorized Ryobi Service Center).

The product, including any defective part, must be returned to an authorized Ryobi service center within the warranty period. The expense of delivering the product to the service center for warranty work and the expense of returning it back to the owner after repair or replacement will be paid by the owner. Techtronic Industries North America, Inc.'s, responsibility in respect to claims is limited to making the required repairs or replacements and no claim of breach of warranty shall be cause for cancellation or rescission of the contract of sale of any RYOBI® brand outdoor product. Proof of purchase will be required by the dealer to substantiate any warranty claim. All warranty work must be performed by an authorized service dealer.

This warranty is limited to thirty (30) days from the date of original retail purchase for any RYOBI® brand outdoor product that is used for rental or commercial purposes, or any other income-producing purpose.

This warranty does not cover any product that has been subject to misuse, neglect, negligence, or accident, or that has been operated in any way contrary to the operating instructions as specified in this operator's manual. This warranty does not apply to any damage to the product that is the result of improper maintenance or to any product that has been altered or modified. The warranty does not extend to repairs made necessary by normal wear or by the use of parts or accessories which are either incompatible with the RYOBI® brand outdoor product or adversely affect its operation, performance, or durability. In addition, this warranty does not cover:

- A. Tune-ups – Spark Plugs, Carburetor, Carburetor Adjustments, Ignition, Filters

- B. Wear items – Bump Knobs, Outer Spools, Cutting Lines, Inner Reels, Starter Pulleys, Starter Ropes, Drive Belts, Tines, Felt Washers, Hitch Pins, Mulching Blades, Blower Fans, Blower and Vacuum Tubes, Vacuum Bag and Straps, Guide Bars, Saw Chains

Techtronic Industries North America, Inc., reserves the right to change or improve the design of any RYOBI® brand outdoor product without assuming any obligation to modify any product previously manufactured.

ALL IMPLIED WARRANTIES ARE LIMITED IN DURATION TO THE STATED WARRANTY PERIOD. ACCORDINGLY, ANY SUCH IMPLIED WARRANTIES INCLUDING MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR OTHERWISE, ARE DISCLAIMED IN THEIR ENTIRETY AFTER THE EXPIRATION OF THE APPROPRIATE THREE-YEAR OR THIRTY-DAY WARRANTY PERIOD. TECHTRONIC INDUSTRIES NORTH AMERICA, INC.'S, OBLIGATION UNDER THIS WARRANTY IS STRICTLY AND EXCLUSIVELY LIMITED TO THE REPAIR OR REPLACEMENT OF DEFECTIVE PARTS AND TECHTRONIC INDUSTRIES NORTH AMERICA, INC., DOES NOT ASSUME OR AUTHORIZE ANYONE TO ASSUME FOR THEM ANY OTHER OBLIGATION. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU. TECHTRONIC INDUSTRIES NORTH AMERICA, INC., ASSUMES NO RESPONSIBILITY FOR INCIDENTAL, CONSEQUENTIAL, OR OTHER DAMAGES INCLUDING, BUT NOT LIMITED TO, EXPENSE OF RETURNING THE PRODUCT TO AN AUTHORIZED RYOBI SERVICE CENTER AND EXPENSE OF DELIVERING IT BACK TO THE OWNER, MECHANIC'S TRAVEL TIME, TELEPHONE OR TELEGRAM CHARGES, RENTAL OF A LIKE PRODUCT DURING THE TIME WARRANTY SERVICE IS BEING PERFORMED, TRAVEL, LOSS OR DAMAGE TO PERSONAL PROPERTY, LOSS OF REVENUE, LOSS OF USE OF THE PRODUCT, LOSS OF TIME, OR INCONVENIENCE. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

This warranty applies to all RYOBI® brand outdoor products manufactured by or for Techtronic Industries North America, Inc., and sold in the United States and Canada.

To locate your nearest Authorized Ryobi Service Center, dial 1-800-860-4050.

WARRANTY

TECHTRONICS INDUSTRIES NORTH AMERICA, INC., LIMITED WARRANTY STATEMENT FOR FEDERAL AND CALIFORNIA EMISSION CONTROL SYSTEMS NON-ROAD AND SMALL OFF-ROAD ENGINES

YOUR WARRANTY RIGHTS AND OBLIGATIONS

The U.S. Environmental Protection Agency (EPA), the California Air Resources Board (CARB), and Techtronics Industries North America, Inc., are pleased to explain the Emissions Control System Warranty on your 2012 model year non-road or small off-road engine. In California, new equipment that uses small off-road engines must be designed, built, and equipped to meet the state's stringent anti-smog standards. In other states, new 2012 model year non-road engines must be designed, built, and equipped at the time of sale to meet the U.S. EPA regulations for small non-road engines. The non-road engine must be free from defects in materials and workmanship which cause it to fail to conform with U.S. EPA standards for the first three years of engine use from the date of sale to the ultimate purchaser. Techtronics Industries North America, Inc., must warrant the emission control system on your non-road or small off-road engine for the period of time listed above provided there has been no abuse, neglect, or improper maintenance of your non-road or small off-road engine.

Your emission control system may include parts such as the carburetor or fuel injection system, the ignition system, catalytic converters, fuel tanks, valves, filters, clamps, connectors, and other associated components. Also included may be hoses, belts and connectors, and other emission-related assemblies.

Where a warrantable condition exists, Techtronics Industries North America, Inc., will repair your non-road or small off-road engine at no cost to you, including diagnosis, parts, and labor performed at an authorized service center for RYOBI® brand outdoor products.

MANUFACTURER'S WARRANTY COVERAGE

This product's emissions control system is warranted for three years. If any emission-related part on your engine is defective, the part will be repaired or replaced by Techtronics Industries North America, Inc., free of charge.

OWNER'S WARRANTY RESPONSIBILITIES

(a) As the non-road or small off-road engine owner, you are responsible for the performance of the required maintenance listed in your operator's manual. Techtronics Industries North America, Inc., recommends that you retain all receipts covering maintenance on your non-road or small off-road engine, but Techtronics Industries North America, Inc., cannot deny warranty solely for the lack of receipts or for your failure to ensure the performance of all scheduled maintenance.

(b) As the non-road or small off-road engine owner, you should be aware, however, that Techtronics Industries North America, Inc., may deny you warranty coverage if your non-road or small off-road engine or a part has failed due to abuse, neglect, improper maintenance, or unapproved modifications.

(c) You are responsible for presenting your non-road or small off-road engine to an authorized service dealer as soon as a problem exists. The warranty repairs should be completed in a reasonable amount of time, not to exceed 30 days.

If you have any questions regarding your warranty rights and responsibilities, you should contact a Techtronics Industries North America, Inc., Customer Representative at 1-800-860-4050.

DEFECT WARRANTY COVERAGE REQUIREMENTS

(a) The warranty period begins on the date the engine or equipment is delivered to an ultimate purchaser.

(b) General Emissions Warranty Coverage. Techtronics Industries North America, Inc., warrants to the ultimate purchaser and each subsequent purchaser that your non-road or small off-road engine is designed, built, and equipped at the time of sale to conform with all applicable regulations adopted by the California Air Resources Board or the United States Environmental Protection Agency; and that it is free from defects in materials and workmanship which cause the engine to fail to conform with applicable regulations for a period of three years from the date the non-road or small off-road engine is purchased by the initial purchaser. Any replacement part or service that is equivalent in performance and durability may be used in non-warranty maintenance or repairs, and shall not reduce the warranty obligations of Techtronics Industries North America, Inc.

(c) The warranty on emissions-related parts will be interpreted as follows: Any warranted part that is not scheduled for replacement as required in the Maintenance Schedule is warranted for three years. If any such part (including any part that is scheduled only for regular inspection) fails during the period of warranty coverage, it will be repaired or replaced at any RYOBI® Authorized Service Center at no charge. Any such part repaired or replaced under warranty will be warranted for the remaining warranty period. A statement to the effect of "repair or replace as necessary" would not reduce the period of warranty coverage. Any warranted part that is scheduled for replacement as required maintenance in the Maintenance Schedule is warranted for the period of time prior to the first scheduled replacement point for

that part. Any such part repaired or replaced under warranty is warranted for the remainder of the period prior to the first scheduled replacement point, and will be repaired or replaced at any RYOBI® Authorized Service Center for no charge until that replacement point is reached.

Techtronics Industries North America, Inc., shall remedy warranty defects at any authorized RYOBI® Authorized Service Center, including any distribution center that may be franchised to service the subject engines. Any diagnostic work done at a RYOBI® Authorized Service Center shall be free of charge to the owner if such work determines that a warranted part is defective. Any manufacturer-approved or equivalent replacement part may be used for any warranty maintenance or repairs on emission-related parts, and must be provided free of charge to the owner if the part is still under warranty. Techtronics Industries North America, Inc., is liable for damages to other engine components caused by the failure of a warranted part still under warranty.

Add-on or modified parts that are not exempted by the California Air Resource Board may not be used. The use of any non-exempted add-on or modified parts will be grounds for disallowing a warranty claim. Techtronics Industries North America, Inc., will not be liable to warrant failures of warranted parts caused by the use of a non-exempted add-on or modified part.

The Emission Parts List specifically defines the emission-related warranted parts. Techtronics Industries North America, Inc., will provide any documents that describe its warranty procedures or policies within five days upon request by the California Air Resources Board.

EMISSIONS PARTS LIST

Emissions parts vary from product to product. Your emissions control system warranty applies to any of the following components that may be included on your product:

- (1) Fuel Metering System
 - (i) Carburetor and internal parts (and/or pressure regulator or fuel injection system).
 - (ii) Air/fuel ratio feedback and control system.
 - (iii) Cold start enrichment system.
 - (iv) Fuel Tank.
 - (v) Fuel Hose
- (2) Air Induction System
 - (i) Controlled hot air intake system.
 - (ii) Intake manifold.
 - (iii) Air filter.
- (3) Ignition System
 - (i) Spark plugs.
 - (ii) Magneto or electronic ignition system.
 - (iii) Spark advance/retard system.
- (4) Exhaust Gas Recirculation (EGR) System
 - (i) EGR valve body and carburetor spacer, if applicable.
 - (ii) EGR rate feedback and control system.
- (5) Air Injection System
 - (i) Air pump or pulse valve.
 - (ii) Valves affecting distribution of flow.
 - (iii) Distribution manifold.
- (6) Catalyst or Thermal Reactor System
 - (i) Catalytic converter.
 - (ii) Thermal reactor.
 - (iii) Exhaust manifold.
- (7) Particulate Controls
 - (i) Traps, filters, precipitators, and any other device used to capture particulate emissions.
- (8) Miscellaneous Items Used in Above Systems
 - (i) Electronic controls.
 - (ii) Vacuum, temperature, and time sensitive valves and switches.
 - (iii) Hoses, belts, connectors, and assemblies.

Techtronics Industries North America, Inc., will furnish with each new engine written instructions for its maintenance and use by the owner.



OPERATOR'S MANUAL

MANUEL D'UTILISATION / MANUAL DEL OPERADOR

42cc BACKPACK BLOWER

SOUFFLANTE DORSALE 42cc

SOPLADORA DE MOCHILA 42cc

RY08420

CALIFORNIA PROPOSITION 65

WARNING:

This product, its exhaust, and other substances that may become airborne from its use may contain chemicals, including lead, known to the State of California to cause cancer, birth defects, or other reproductive harm. **Wash hands after handling.**

PROPOSITION 65 DE LA CALIFORNIE

AVERTISSEMENT :

Ce produit, les gaz d'échappement qu'il dégage et les autres substances rejetées dans l'air à la suite de son utilisation peuvent contenir des produits chimiques, notamment du plomb qui, selon l'État de la Californie, peuvent causer le cancer, des anomalies congénitales et d'autres dommages au système reproducteur. **Bien se laver les mains après toute manipulation.**

CALIFORNIA - PROPUESTA DE LEY NÚM. 65

ADVERTENCIA:

Este producto, su escape y otras sustancias que puedan llegar a ser aerotransportadas por su uso pueden contener sustancias químicas (por ejemplo, plomo) consideradas por el estado de California como causantes de cáncer, defectos de nacimiento u otras alteraciones reproductivas. **Lávese las manos después de utilizar el aparato.**

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• PARTS AND SERVICE

Prior to requesting service or purchasing replacement parts, please obtain your model and serial number from the product data plate.

• **MODEL NO.** RY08420 **SERIAL NO.** _____

• HOW TO OBTAIN REPLACEMENT PARTS:

Replacement parts can be purchased online at www.ryobitools.com or by calling 1-800-860-4050. Replacement parts can also be obtained at one of our Authorized Service Centers.

• HOW TO LOCATE AN AUTHORIZED SERVICE CENTER:

Authorized Service Centers can be located online at www.ryobitools.com or by calling 1-800-860-4050.

• HOW TO OBTAIN CUSTOMER OR TECHNICAL SUPPORT:

To obtain Customer or Technical Support please contact us at 1-800-860-4050.

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• PIÈCES ET SERVICE

Avant de faire la demande de service ou l'achat de pièces de remplacement, veuillez obtenir le numéro de série du modèle à partir de la plaque de données du produit.

• **NUMÉRO DE MODÈLE** RY08420 **NUMÉRO DE SÉRIE** _____

• COMMENT OBTENIR LES PIÈCES DE REMPLACEMENT :

Les pièces de remplacement peuvent être achetées en ligne sur le site www.ryobitools.com ou par téléphone au 1-800-860-4050. Les pièces de remplacement peuvent être obtenues à un de nos centres de service autorisés.

• COMMENT TROUVER UN CENTRE DE SERVICE AUTORISÉ :

Les centres de service autorisés peuvent être localisés en ligne au www.ryobitools.com ou en téléphonant au 1-800-860-4050.

• COMMENT OBTENIR DE L'AIDE EN CONTACTANT LE SERVICE À LA CLIENTÈLE :

Pour contacter le service à la clientèle pour une question technique ou pour tout autre renseignement, veuillez nous téléphoner au 1-800-860-4050.

• PIEZAS DE REPUESTO Y SERVICIO • • • • •

Antes de solicitar servicio técnico o comprar piezas de repuesto, obtenga su modelo y número de serie de la placa de datos del producto.

• **NÚMERO DE MODELO** _____ **NÚMERO DE SERIE** _____

• CÓMO OBTENER PIEZAS DE REPUESTO:

Las piezas de repuesto se pueden comprar en nuestro sitio en la red mundial, en la dirección www.ryobitools.com o llamando al 1-800-860-4050. Las piezas de repuesto también se pueden obtener en uno de nuestros Centros de Servicio Autorizados.

• CÓMO LOCALIZAR UN CENTRO DE SERVICIO AUTORIZADO:

Puede encontrar los Centros de Servicio Autorizados visitando nuestro sitio en la red mundial, en la dirección www.ryobitools.com or by calling 1-800-860-4050.

• CÓMO OBTENER SERVICIO O ASISTENCIA TÉCNICA AL CONSUMIDOR:

Para obtener Servicio o Asistencia Técnica al Consumidor, sírvase comunicarse con nosotros llamando al 1-800-860-4050.

TECHTRONIC INDUSTRIES NORTH AMERICA, INC.

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