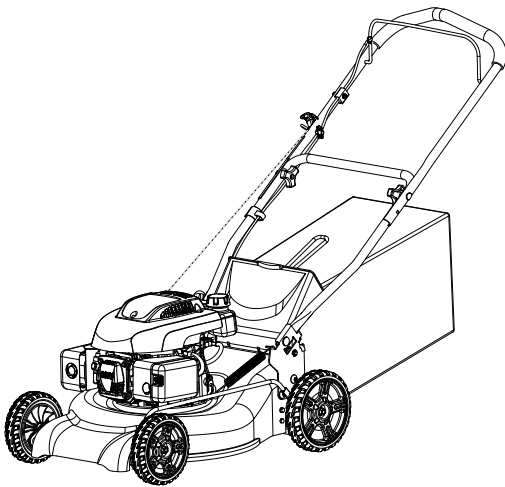




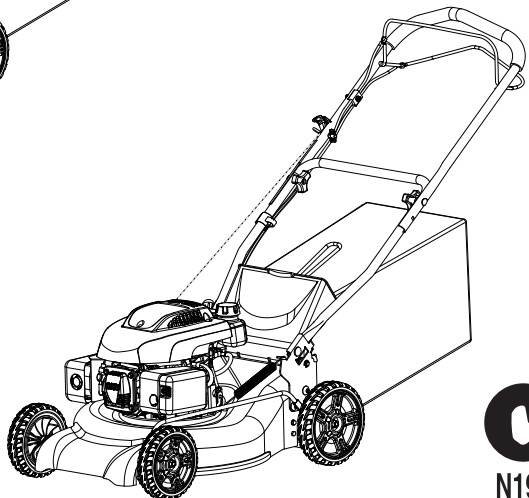
RLM140HP / RLM140SP

45 cm Petrol Mower  
OPERATOR'S MANUAL

RLM140HP



RLM140SP



N197

**Important!** It is essential you read the instructions in this manual before starting and operation with this machine.

## SYMBOLS

### Thank you for buying a Ryobi lawn mower.

Your new lawn mower has been engineered and manufactured to Ryobi's high standard for dependability, ease of operation, and operator safety. 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.



#### **WARNING**

Do not attempt to operate this mower until you have read thoroughly and understood completely all instructions, safety rules, etc. contained in this manual. Failure to comply may result in accidents involving fire or serious personal injury. Save operator's manual and review frequently for continuing safe operation and instructing others who may use this tool.

**READ ALL INSTRUCTIONS.**

## DESCRIPTION

### Please refer to figure 1.

1. Primer Bulb
2. Oil Cap/Dipstick
3. Fuel Cap
4. Starter Grip
5. Handle Knob
6. Air Filter
7. Operator Presence Control
8. Grass Catcher
9. Height Adjustment Lever
10. Drive Control (Model RLM140SP Only)
11. Rear Discharge Door
12. Spark Plug Boot
13. Rope Guide Knob

## GENERAL SAFETY RULES

- This cutting machine is capable of amputating hands and feet and throwing objects. Failure to observe all safety instructions could result in serious injury or death.
- Never allow children or people unfamiliar with these instructions to operate the mower. Local regulations can restrict the age of the operator.
- Keep the area clear of all bystanders, children, and pets while mowing. Stop machine if anyone enters the area.
- Tragic accidents can occur if the operator is not alert to the presence of children. Children are often attracted to the machine and the mowing activity. Never assume that children will remain where you last saw them.
  - Keep children out of the mowing area and under the watchful care of a responsible adult other than the operator.
  - Be alert and turn mower off if a child enters the area.
  - Never allow children to operate the machine.
  - Use extra care when approaching blind corners, shrubs, trees, or other objects that may block your view of a child.
- Keep in mind that the operator or user is responsible for accidents or hazards occurring to other people or their property.
- Do not operate the equipment while barefoot or when wearing sandals or similar lightweight footwear. Wear protective footwear that will protect your feet and improve your footing on slippery surfaces.
- Do not wear loose clothing or jewelry. They can be caught in moving parts.
- Always wear safety glasses with side shields. Everyday glasses have only impact resistant lenses. They are NOT safety glasses. Following this rule will reduce the risk of eye injury. Use face mask if operation is dusty.
- Wear safety glasses or goggles when operating this product.
- Use the right appliance. Do not use the lawn mower for any job except that for which it is intended.
- Clear the work area before each use. Remove all objects such as rocks, sticks, wire, bones, toys, or other objects which can be thrown by the blade. Stay behind the handle when the engine is running.
- Replace faulty mufflers.
- Before each use, visually inspect the lawn mower to ensure blades, blade bolts, and cutter assembly are not worn or damaged.
- Do not operate the engine in a confined space where dangerous carbon monoxide fumes can collect.
- Operate the lawn mower only in daylight or good artificial light.
- Stay alert, watch what you are doing, and use common sense when operating the lawn mower. Do not operate the mower while tired or under the influence of drugs, alcohol, or medication. A moment of inattention while operating the lawn mower may result in serious personal injury.
- Do not use the lawn mower in damp or wet conditions or operate in the rain.
- Keep firm footing and balance. Do not overreach. Overreaching can result in loss of balance.
- Mow across the face of slopes, never up and down. Exercise extreme caution when changing direction on slopes.
- Do not mow on wet grass or excessively steep slopes. Poor footing could cause a slip and fall accident. Walk, never run.
- Do not mow near drop-offs, ditches, or embankments.
- Do not pull the mower backward unless absolutely necessary. If you must back the mower away from a wall or obstruction, first look down and behind to avoid tripping.
- Stop the engine if the lawnmower has to be tilted for transportation when crossing surfaces other than grass, and when transporting the lawnmower to and from the area to be mowed.
- Do not operate the mower without the entire grass catcher, discharge guard, rear guard, or other safety protective devices in place and working.
- Do not change the engine governor settings or over-speed the engine.
- Start the engine carefully according to instructions and with feet well away from the blade.
- Do not tilt the lawnmower when starting the engine.
- Do not start the engine when standing in front of the discharge chute.
- Keep hands and feet away from cutting area. Keep clear of the discharge opening at all times.
- Never pick up or carry a lawnmower while the engine is running.
- Do not leave the mower unattended while running.
- Avoid holes, ruts, bumps, rocks, or other hidden objects. Uneven terrain could cause a slip and fall accident.
- Plan your mowing pattern to avoid discharge of material toward roads, sidewalks, bystanders, and the like. Also, avoid discharging material against a wall or obstruction, which may cause the material to ricochet back toward the operator.
- Use extra care when approaching blind corners, shrubs, trees, or other objects that may block your view.














## GENERAL SAFETY RULES

- Never direct discharged material toward anyone. Avoid discharging material against a wall or obstruction. Material may ricochet back toward the operator.
- Objects struck by the lawn mower blade can cause severe injuries to persons. The lawn should always be carefully examined and cleared of all objects prior to each mowing.
- Stop the engine, disconnect the spark plug wire, and wait until the blade comes to a complete stop before removing the grass catcher or unclogging the discharge chute. The cutting blade continues to rotate for a few seconds after the engine is shut off. Never place any part of the body in the blade area until you are sure the blade has stopped rotating.
- Stop the engine and wait until the blade comes to a complete stop before cleaning the lawn mower, removing the grass catcher, or unclogging the discharge guard.
- If the lawn mower strikes a foreign object, follow these steps:
  - Stop the mower and disconnect the spark plug wire.
  - Thoroughly inspect the mower and grass catcher for any damage.
  - Repair any damage before restarting and continuing to operate the mower.
- If the mower should start to vibrate abnormally, stop the engine, disconnect the spark plug wire, and check immediately for the cause. Vibration is generally a warning of trouble. Check the condition of the blade, as an unevenly worn or damaged blade can cause abnormal vibration. Unevenly worn or damaged blades should be replaced immediately to avoid the risk of serious injury.
- Allow engine to cool before storing in any enclosure.
- To reduce the risk of fire, keep the engine, muffler, and petrol storage area free of grass, leaves, and excessive grease.
- Check the grass catcher frequently for wear or deterioration.
- Keep machine in good working condition. Keep blades sharp and guards in place and in working order.
- Check all nuts, bolts, and screws at frequent intervals for proper tightness to be sure the equipment is in safe working condition.
- When not in use, mower should be stored in a well-ventilated, dry, locked up place—out of the reach of children.
- Follow manufacturer's instructions for proper operation and installation of accessories. Only use accessories approved by the manufacturer.
- If the fuel tank has to be drained, this should be done outdoors.
- Disconnect the spark plug wire before making any adjustments, changing accessories, transporting, or storing the lawn mower. Such preventive safety measures reduce the risk of starting the product accidentally.
- Service on the product 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 unauthorised parts may create a risk of serious injury to the user, or damage to the product.
- Save these instructions. Refer to them frequently and use them to instruct others who may use this product. If you loan someone this tool, loan them these instructions also.




# English

## SYMBOLS

**Important:** 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	Precautions that involve your safety.
	Read The Operator's Manual	To reduce the risk of injury, user must read and understand operator's manual before using this product.
	Eye Protection	Always wear safety goggles or safety glasses with side shields and, as necessary, a full face shield when operating this product.
	Keep Bystanders Away	Keep all bystanders at least 15 m away.
	Belt Entanglement Hazard	Keep all body parts and clothing clear of any belts or other moving parts.
	Moving Parts	To avoid injury, stay away from moving parts at all times.
	Keep Hands and Feet Away	Danger. Keep hands and feet away.
	Ricochet	Thrown objects can ricochet and result in personal injury or property damage.
	Hot Surface	To reduce the risk of injury or damage, avoid contact with any hot surface.
	No Smoking	Do not smoke and stay away from open flames and sparks when filling fuel tank or when handling fuel.
	Petrol	Use unleaded petrol intended for motor vehicle use with an octane rating of 87 ((R+M)/2) or higher.
	Oil	Use SAE 30 or 10W30 API-SJ weight oil.
		Conforms to all regulatory standards in the country in the EU where the product is purchased.

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


SYMBOL	SIGNAL	MEANING
	<b>DANGER:</b>	Indicates an imminently hazardous situation, which, if not avoided, will result in death or serious injury.
	<b>WARNING:</b>	Indicates a potentially hazardous situation, which, if not avoided, could result in death or serious injury.
	<b>CAUTION:</b>	Indicates a potentially hazardous situation, which, if not avoided, may result in minor or moderate injury.
	<b>CAUTION:</b>	(Without Safety Alert Symbol) Indicates a situation that may result in property damage.


## English

### SYMBOLS

#### SERVICE

Servicing requires extreme care and knowledge and should be performed only by a qualified service technician. For service we suggest you return the product to your nearest **AUTHORISED SERVICE CENTRE** for repair. When servicing, use only identical replacement parts.

 **WARNING:** To avoid serious personal injury, do not attempt to use this product until you read thoroughly and understand completely the operator's manual. If you do not understand the warnings and instructions in the operator's manual, do not use this product. Call Ryobi customer service for assistance.


 **WARNING:** The operation of any power tool can result in foreign objects being thrown into your eyes, which can result in severe eye damage. Before beginning power tool operation, always wear safety goggles or safety glasses with side shields and, when needed, a full face shield. We recommend Wide Vision Safety Mask for use over eyeglasses or standard safety glasses with side shields. Always use eye protection which is marked to comply.


**SAVE THESE INSTRUCTIONS  
AND PASS THEM ON IF THE MOWER  
IS TO BE USED BY ANOTHER PERSON**


### SPECIFICATIONS


Engine.....	140cc OHV
Drive System	
RLM140HP .....	Push
RLM140SP.....	Rear Wheel Self-Propelled
No-load Speed .....	2,700-2,800 r/min. (RPM)
Cutting Path .....	45 cm
Height Adjustments .....	7 positions, 19 mm–76 mm
Wheel Size.....	17.8 cm front, 20.3 cm rear
Grass Bag Capacity .....	55 liters
Sound Power.....	95 (LWAm) dB (A)
Sound Pressure.....	80 (LpA) dB (A)
Vibration Level.....	3.6 m/s <sup>2</sup>
Weight	
RLM140HP .....	30 kg
RLM140SP.....	32 kg

### ASSEMBLY

 **WARNING** If any parts are damaged or missing do not operate this product until the parts are replaced. Operation 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.

 **WARNING** Never attach or adjust any accessory while the mower is running. Failure to stop the engine may cause serious personal injury.

# English

## ASSEMBLY



### WARNING

Never operate the mower without properly working safety devices in place and working. Never operate the mower with damaged safety devices. Operation of the mower without properly working safety devices can result in serious personal injury.

Please refer to figure 2.

- Place handles in correct operating position and tighten handle knobs to secure.
- Loosen rope guide knob, place starter rope in guide on handle, then retighten knob to secure.
- Install grass catcher.

## OPERATION



Read the operation manual and follow all warnings and safety instructions.



Wear eye protection.



Keep all bystanders, especially children and pets, at least 15 m from the operating area.

## FUELING AND REFUELING



### WARNING

Always handle petrol with care; it is highly flammable.

- Store petrol in containers specifically designed for this purpose.
- Always refuel outdoors where there are no sparks and flames. Do not inhale petrol vapors. Do not smoke while refueling or handling fuel.
- Do not let petrol or oil come in contact with your skin.
- Keep petrol and oil away from the eyes. If petrol or oil comes in contact with the eyes, wash them immediately with clean water. If irritation is still present, see a doctor immediately.
- Clean up spilled petrol immediately.

## FILLING THE TANK (Fig. 3)



### WARNING

Always shut off engine before fueling. Never remove the cap of the fuel tank or add petrol to a machine with a running or hot engine. Move at least 9 m from refueling site before starting engine. Do not smoke! Failure to follow this warning could result in serious personal injury.

- Clean surface around fuel cap to prevent contamination.
- Loosen fuel cap slowly to release pressure and to keep petrol from escaping around the cap. Rest the cap on a clean surface.
- Carefully pour petrol into the tank. Avoid spillage.

- Clean and inspect the gasket, then replace all fuel and container caps securely.
- Wipe up any petrol spillage. Move 9 m away from refueling site before starting engine.

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

## ADDING/CHECKING ENGINE OIL (Fig. 3)

Engine oil has a major influence on engine performance and service life. For general, all-temperature use, SAE 10W-30 is recommended. Always use a 4-cycle motor oil that meets or exceeds the requirements for API service classification SJ.

**NOTE:** Non-detergent or 2-cycle engine oils will damage the engine and should not be used.

### To add engine oil:

- Be sure mower is level and area around oil cap/dipstick is clean.
- Remove the cap and seal from oil bottle provided.
- Unscrew the oil cap/dipstick and remove.
- Slowly add oil. Fill to the "Full" line on dipstick. Do not overfill.

**NOTE:** When checking the oil level, seat the dipstick in the oil fill hole but do not screw in.

- Reinstall the oil cap/dipstick and secure.

### To check engine oil:

- Be sure mower is level and area round oil cap/dipstick is clean.
- Remove the oil cap/dipstick. Wipe clean and reseal in oil fill hole but do not screw in.
- Remove the oil cap/dipstick again and check oil level. Add oil as needed.

## STARTING/STOPPING THE MOWER (Fig. 3)

### WARNING



Never start or run the engine inside a closed or poorly ventilated area; breathing exhaust fumes can kill.

## OPERATION

### STARTING THE ENGINE

- Firmly push the primer bulb 3 times.

**NOTE:** This step is not usually necessary when starting an engine that has already run for a few minutes.

- Hold the operator presence control bar down against the handle.
- Pull the starter cord until the engine runs. Release the starter cord slowly so the rope does not snap back.

**NOTE:** It may be necessary to repeat priming steps in cooler weather. In warmer weather, overpriming may cause flooding and engine will not start. If you do flood the engine, wait a few minutes before attempting to start and DO NOT repeat priming steps.

### STOPPING THE ENGINE

- Release the operator presence control bar and allow the engine comes to a complete stop.

### SETTING BLADE HEIGHT (Fig. 4)

When shipped, the wheels on the mower are set to a low-cutting position. Before using the mower for the first time, adjust the cutting position to the height best suited for your lawn. The average lawn should be between 38 - 50mm during cool months and between 50 - 76mm during hot months.

#### To set the blade height:

- To raise the blade height, grasp the height adjustment lever and move it toward the back of the mower.
- To lower the blade height, grasp the height adjustment lever and move it toward the front of the mower.

### SETTING HANDLE HEIGHT (Fig. 5)

The height of the handle can be easily adjusted for operator preference.

#### To adjust the handle height:

- Remove the handle knob.
- Slide out the handle bolt and adjust the height to the other opening.
- Reinstall the handle bolt and knob. Tighten the knob securely.
- Repeat on the other side of the handle.

### MOWING TIPS

- Make sure the lawn is clear of stones, sticks, wires, and other objects that could damage the lawn mower blades or engine. Such objects could be accidentally thrown by the mower in any direction and cause serious personal injury to the operator and others.

- For rear discharge of grass clippings, do not install the grass catcher. To improve discharging performance, raise the blade height setting.
- For best performance, always cut off one-third or less of the total height of the grass.
- When cutting long grass, reduce walking speed to allow for more effective cutting and a proper discharge of the clippings.
- Do not cut wet grass. It will stick to the underside of the deck and prevent proper bagging or discharge of the grass clippings.
- New or thick grass may require a narrower cut path.
- Clean the underside of the mower deck after each use to remove grass clippings, leaves, dirt, and any other accumulated debris.


### SLOPE OPERATION (Fig. 6)


- Slopes are a major factor related to slip and fall accidents that can result in severe injury. Operation on slopes requires extra caution. If you feel uneasy on a slope, do not mow it. For your safety, do not attempt to mow slopes greater than 15 degrees.
- Mow across the face of slopes, not up and down. Exercise extreme caution when changing direction on slopes.
- Watch for holes, ruts, rocks, hidden objects, or bumps which can cause you to slip or trip. Tall grass can hide obstacles. Remove all objects such as rocks, tree limbs, etc., which could be tripped over or thrown by the blade.
- Always be sure of your footing. A slip and fall can cause serious personal injury. If you feel you are losing your balance, release operator presence control immediately.
- Do not mow near drop-offs, ditches, or embankments; you could lose your footing or balance.

### EMPTYING THE GRASS CATCHER (Fig. 7)

- Stop the mower and wait for the blade to come to a complete stop.
- Lift the rear discharge door.
- Grasp grass catcher by its handle and lift to remove from mower.
- Empty grass clippings.
- Lift the rear discharge door and reinstall the grass catcher.

## MAINTENANCE

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


 **WARNING**  
Always wear safety goggles or safety glasses with side shields during power tool operation or when blowing dust. If operation is dusty, also wear a dust mask.


### 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, oil, grease, etc.
- Periodically check all nuts and bolts for proper tightness to ensure safe operation of the mower.
- Remove any buildup of grass and leaves on or around the engine and engine cover. Wipe the mower clean with a dry cloth occasionally. Do not use water.

### LUBRICATION


All of the bearings in this product are lubricated with a sufficient amount of high grade lubricant for the life of the unit under normal operating conditions. Therefore, no further bearing lubrication is required.

 **WARNING**  
Always protect hands by wearing heavy gloves and/or wrapping the cutting edges of the blade with rags and other material when performing blade maintenance. Improper handling of blade could result in serious personal injury.

 **WARNING**  
Before performing any maintenance, stop the mower, allow the blade to come to a complete stop, and disconnect the spark plug wire from the spark plug. Failure to follow this warning could result in serious personal injury.

### REPLACING THE CUTTING BLADE (Fig. 8)

For best results, the mower blade must be kept sharp. Replace a bent or damaged blade immediately.

 **WARNING**  
Only use replacement blades approved by the manufacturer of your mower. Using a blade not approved by the manufacturer of your mower is hazardous and could result in serious injury, damage your mower, and void your warranty.

- Stop the engine and disconnect the spark plug wire. Allow the blade to come to a complete stop.
- Turn the mower on its side (carburetor facing up).
- Wedge a block of wood between the blade and mower deck to prevent the blade from turning.
- Using a 14mm wrench or socket (not provided), loosen the blade bolt by turning the bolt in a counterclockwise direction as viewed from the bottom of the mower.
- Remove the blade bolt, lock washer, flat washer, and blade.
- Place the new blade on the shaft. Make sure it is installed with the curved ends pointing up toward the mower deck and not down toward the ground.
- Replace the flat washer, lock washer, and blade bolt on the shaft. Finger tighten the bolt by turning in a clockwise direction as viewed from the bottom of the mower.

**NOTE:** Make certain all parts are replaced in the exact order in which they were removed.

- Torque the blade bolt down using a torque wrench (not provided) to ensure the bolt is properly tightened. The recommended torque for the blade bolt is 48–55 Nm.

**NOTE:** We do not recommend sharpening the blade, but if you do, be sure the blade is balanced before reinstalling.

### REPLACING WHEELS (Fig. 9)

**To replace a wheel:**

- Stop the engine and disconnect the spark plug wire. Allow the blade to come to a complete stop.
- Remove the nut from the wheel axle, then remove the wheel.
- Replace with new wheel and reinstall nut to secure.

### CLEANING AIR FILTER (Fig. 10)

For proper performance and long life, keep the air filter clean.

- Remove the air filter cover by pushing in on the latch with your thumb while gently pulling on the cover.
- Remove the air filter and clean it in warm soapy water. Rinse and let dry completely.
- Apply a light coat of engine oil to the air filter, then squeeze it out using an absorbent cloth or paper towel.
- Reinstall the air filter into the air filter base.
- Replace and secure the air filter cover.

**NOTE:** The filter should be replaced annually for best performance.

## MAINTENANCE

## FUEL CAP

**WARNING:**

- ▲ A leaking fuel cap is a fire hazard and must be replaced immediately.

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

**CHANGING ENGINE OIL (Fig. 11)**

Engine oil should be changed after every 25 hours of use. Change the oil while the engine oil is still warm, but not hot. This allows the oil to drain quickly and completely.

- Remove the oil fill cap/dipstick.
- Tip mower onto its side and allow oil to drain from the oil fill hole into an approved container.
- Place mower upright and refill with oil following the instructions in the **Adding/Checking Oil** section.

**NOTE:** Used oil should be disposed of at an approved disposal site. See your local oil retailer for more information.

**SPARK PLUG MAINTENANCE (Fig. 12)**

The spark plug must be properly gapped and free of deposits in order to ensure proper engine operation. To check:

- Remove spark plug boot.
- Clean any dirt from around base of spark plug.
- Remove spark plug using a spark plug socket (not provided).
- Inspect spark plug for damage, and clean with a wire brush before reinstalling. If insulator is cracked or chipped, spark plug should be replaced.

**NOTE:** If replacing, use the following recommended spark plugs or equivalent: NGK BPR6ES.

- Measure plug gap. The correct gap is .71–.79 mm. To widen gap, if necessary, carefully bend the ground (top) electrode. To lessen gap, gently tap ground electrode on a hard surface.
- Seat spark plug in position; thread in by hand to prevent cross-threading.
- Tighten with wrench to compress washer. If spark plug is new, use 1/2 turn to compress washer appropriate amount. If reusing old spark plug, use 1/8 to 1/4 turn for proper washer compression.

**NOTE:** An improperly tightened spark plug will become very hot and could damage the engine.

- Reinstall spark plug boot.

**DRIVE GEAR MAINTENANCE (Fig. 13)**

To ensure smooth operation of wheels, the wheel assembly should be cleaned before storage.

- Remove the nut and wheel and set aside.
- Remove dust cover, e-ring, washer, pins, and wheel gear. Clean any dirt from these items and the end of the drive shaft by wiping with a dry cloth. If necessary, rubbing alcohol may be used to remove any stubborn dirt.

**WARNING**

▲ Do not lubricate any of the wheel components. Lubrication may cause the wheel components to fail during use, which could result in mower damage and/or serious personal injury to the operator.

- Reinstall wheel gear with the arrows facing the front of the mower. Reinstall pins, washer, e-ring, and dust cover.
- Reinstall wheel and nut. Tighten nut to secure.

**STORING THE MOWER**

**When storing the mower for 30 days or more:**

- If using fuel stabilizer, follow stabilizer manufacturer's directions to add stabilizer to petrol in fuel tank. Run engine at least 10 minutes after adding stabilizer to allow the stabilizer to reach the carburetor.

**WARNING**

▲ Do not store the lawn mower with petrol in the tank inside a building where fumes may reach an open flame or spark.

- If not using fuel stabilizer, allow the engine to run until the mower is completely out of petrol.
- Once the engine has stopped, allow the blade to come to a complete stop and disconnect the spark plug wire.
- Turn mower on its side (with carburetor facing up) and clean grass clippings that have accumulated on the underside of the mower deck.
- Wipe the mower clean with a dry cloth. Do not use a garden hose or pressure washer to clean the mower.
- Check all nuts, bolts, knobs, screws, fasteners, etc., for tightness.
- Inspect moving parts for damage, breakage, and wear. Have repairs made on any damaged or missing parts.
- Store the mower in a well-ventilated area that is clean, dry, and out of the reach of children.
- Do not store near corrosive materials such as fertilizer or rock salt.

## English

### MAINTENANCE

#### To lower the handle before storing (Fig. 14):

- Loosen the starter rope guide knob. Remove starter rope from guide and allow to retract into engine.
- Fully loosen the handle knobs on the sides of the handle and fold the upper handle down.
- Push inward on each side of the lower handle, and lift the sides of the lower handle past the edges of the handle mounting brackets.
- Fold the lower handle forward, making sure not to bend or kink the control cables.

### TROUBLESHOOTING

Problem	Possible Cause	Solution
Handle not in correct position.	Handle positioned incorrectly. Handle knobs not tightened.	Check to be sure that lower part of handle is pushed fully back and snapped into proper position. Tighten handle knobs.
Mower not starting.	No spark. No petrol. Engine is flooded. Starter rope pulls harder now than when new.	Use spark tester to check for proper spark plug operation. Fill mower with petrol. If mower still does not start, contact a servicing dealer. Wait 15 minutes, then try starting mower again. Do not prime before attempting to start. Contact a servicing dealer.
Mower hard to push.	High grass, rear of mower housing and blade dragging in heavy grass, or cutting height too low. Wheel assembly needs cleaning.	Raise cutting height. Clean wheel assembly. See <b>Drive Gear Maintenance</b> .
Mower vibrating at higher speed.	Blade is unbalanced. Bent motor shaft.	Replace blade. Stop the engine, disconnect the spark plug wire from the spark plug, and inspect for damage. Have repaired by an authorised service centre before restarting.

## LIMITED WARRANTY

TTI warrants this outdoor product to be free of defects in material or workmanship for 24 months from the date of purchase by the original purchaser, subject to the limitations below. Please keep your invoice as proof of date of purchase.

**This warranty is only applicable where the product is used for personal and non-commercial purposes.** This warranty does not cover damage or liability caused by / due to misuse, abuse, accidental or intentional acts by user, improper handling, unreasonable use, negligence, failure by end user to follow operating procedures outlined in the user's manual, attempted repair by non-qualified professional, unauthorized repair, modification, or use of accessories and/or attachments not specifically recommended by authorized party.

This warranty does not cover belts, brushes, bags, bulbs or any part which ordinary wear and tear results in required replacement during warranty period. Unless specifically provided under applicable law, this warranty does not cover transportation cost or consumable items such as fuses.

This limited warranty is void if the product's original identification (trade mark, serial number, etc.) markings have been defaced, altered or removed or if product is not purchased from an authorized reseller or if product is sold AS IS and / or WITH ALL FAULTS.

Subject to all applicable local regulations, the provisions of this limited warranty are in lieu of any other written warranty, whether express or implied, written or oral, including any warranty of MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT SHALL WE BE LIABLE FOR SPECIAL, INCIDENTAL, CONSEQUENTIAL OR INCIDENTAL DAMAGES. OUR MAXIMUM LIABILITY SHALL NOT EXCEED THE ACTUAL PURCHASE PRICE PAID BY YOU FOR THE PRODUCT.

**This warranty is valid only in the European Union, Australia and New Zealand. Outside these areas, please contact your authorized Ryobi dealer to determine if another warranty applies.**

## CE DECLARATION OF CONFORMITY

We declare in sole responsibility that the product to which this certificate applies conforms to the the basic health and safety requirements of the Machinery Directive 98/37/EC and other relevant directives, like EMC Directive 89/336/EEC and Directive 2000/14/EC and Gas Emission Directive 97/68/EC, 2002/88/EC and 2004/26/EC.

To effect correct application of the health and safety requirements stated in the EEC directives, the following European and/or national standards and/or technical specifications were consulted:

EN 836:1997 / BS EN ISO 14-982:1998

We declare this product complies to the requirements of the Directive. 2000/14/EC.

	<b>RLM140HP</b>	<b>RLM140SP</b>
Measured Sound Power Level (LWAm)	95 db (A)	95 dB (A)
Guaranteed Sound Power Level (LWA <sub>g</sub> )	96 dB (A)	96 dB (A)
Date of issuance		02/2009

Technical documents are kept by Homelite Far East Co., Ltd. 24/F, 388 Castle Peak Road, Tsuen Wan, N.T., Hong Kong.

Declared in 02/2009 by Homelite Far East Co., Ltd.

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Name of company: Homelite Far East Co., Ltd.  
Address: 24/F, CDW Building,  
388 Castle Peak Road,  
Tsuen Wan, Hong Kong.

Type: **RLM140HP/RLM140SP**  
Year of Construction: **see Product Data Plate**  
Name/Title: James Ferrell  
Director of Engineering  
Signature:

