THANK YOU

Thank you for buying this quality product. This modern outdoor power tool will provide many hours of useful service. You will find it to be a great labor-saving device. This operator’s manual provides you with easy-to-understand operating instructions. Read the whole manual and follow all the instructions to keep your new outdoor power tool in top operating condition.

PRODUCT REFERENCES, ILLUSTRATIONS AND SPECIFICATIONS

All information, illustrations and specifications in this manual are based on the latest product information available at the time of printing. We reserve the right to make changes at any time without notice.

Copyright © 2003 MTD SOUTHWEST INC
All Rights Reserved.

SpeedSpool® is a registered trademark of MTD SOUTHWEST INC.

SERVICE INFORMATION

Service on this unit both within and after the warranty period should be performed only by an authorized and approved service dealer.

• Call 1-800-345-8746 in the United States, or 1-800-668-1238 in Canada, to obtain a list of authorized service dealers near you

Or

• Go to www.RyobiOutdoor.com on the World Wide Web for a list of authorized service dealers

DO NOT RETURN THE UNIT TO THE RETAILER.
NOTE: PROOF OF PURCHASE WILL BE REQUIRED FOR WARRANTY SERVICE.

Make sure you carefully read and understood this manual before starting or operating this equipment.

THIS PRODUCT IS COVERED BY ONE OR MORE US PATENTS, OTHER PATENTS PENDING.

CONTENTS OF CARTON

• Model 825r Trimmer with J-Handle
• SpeedSpool® Bump Head Cutting Attachment
• Operator’s Manual
• Product Registration Card
• Bottle of 4-Cycle Oil
CALIFORNIA PROPOSITION 65 WARNING

WARNING

THE ENGINE EXHAUST FROM THIS PRODUCT CONTAINS CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER, BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

SPARK ARRESTOR

NOTE: For users on U.S. Forest Land and in the states of California, Maine, Oregon and Washington. All U.S. Forest Land and the state of California (Public Resources Codes 4442 and 4443), Oregon and Washington require, by law that certain internal combustion engines operated on forest brush and/or grass-covered areas be equipped with a spark arrester, maintained in effective working order, or the engine be constructed, equipped and maintained for the prevention of fire. Check with your state or local authorities for regulations pertaining to these requirements. Failure to follow these requirements could subject you to liability or a fine. This unit is factory equipped with a spark arrester. If it requires replacement, ask your local service dealer to install the Accessory Part #180890 Spark Arrester Kit.

WARNING!

Read the Operator’s Manual(s) and follow all warnings and safety instructions. Failure to do so can result in serious injury to the operator and/or bystanders.

FOR QUESTIONS, CALL 1-800-345-8746 IN U.S. OR 1-800-668-1238 in CANADA

RULES FOR SAFE OPERATION

The purpose of safety symbols is to attract your attention to possible dangers. The safety symbols, and their explanations, deserve your careful attention and understanding. The safety warnings do not by themselves eliminate any danger. The instructions or warnings they give are not substitutes for proper accident prevention measures.

### SYMBOL MEANING

**NOTE:** Advises you of information or instructions vital to the operation or maintenance of the equipment.

**SAFETY ALERT SYMBOL:** Indicates danger, warning or caution. Attention is required in order to avoid serious personal injury. May be used in conjunction with other symbols or pictographs.

<table>
<thead>
<tr>
<th>SYMBOL</th>
<th>MEANING</th>
</tr>
</thead>
<tbody>
<tr>
<td>!</td>
<td>DANGER: Failure to obey a safety warning will result in serious injury to yourself or to others. Always follow the safety precautions to reduce the risk of fire, electric shock and personal injury.</td>
</tr>
<tr>
<td>!</td>
<td>WARNING: Failure to obey a safety warning can result in injury to yourself and others. Always follow the safety precautions to reduce the risk of fire, electric shock and personal injury.</td>
</tr>
<tr>
<td>!</td>
<td>CAUTION: Failure to obey a safety warning may result in property damage or personal injury to yourself or to others. Always follow the safety precautions to reduce the risk of fire, electric shock and personal injury.</td>
</tr>
</tbody>
</table>
READ ALL INSTRUCTIONS
BEFORE OPERATING

- Read the instructions carefully. Be familiar with the controls and proper use of the unit.
- Do not operate this unit when tired, ill or under the influence of alcohol, drugs or medication.
- Children and teens under the age of 15 must not use the unit, except for teens guided by an adult.
- Inspect the unit before use. Replace damaged parts. Check for fuel leaks. Make sure all fasteners are in place and secure. Replace cutting attachment parts that are cracked, chipped or damaged in any way. Make sure the cutting attachment is properly installed and securely fastened. Be sure the cutting attachment shield is properly attached, and positioned as recommended. Failure to do so can result in personal injury to the operator and bystanders, as well as damage to the unit.
- Use only 0.080 inch (2.03 mm) diameter Genuine Factory Parts™ replacement line. Never use metal-reinforced line, wire or rope. These can break off and become dangerous projectiles.
- Be aware of the risk of injury to the head, hands and feet.
- Clear the area to be cut before each use. Remove all objects such as rocks, broken glass, nails, wire or string. They can be thrown or become entangled in the cutting attachment. Clear the area of children, bystanders, and pets. At a minimum, keep all children, bystanders and pets outside a 50-foot (15 m.) radius; there still may be a risk to bystanders from thrown objects. Bystanders should be encouraged to wear eye protection. If you are approached, stop the engine and cutting attachment immediately.
- Squeeze the throttle control and check that it returns automatically to the idle position. Make all adjustments or repairs before using unit.
- This unit was not designed to be used as a brushcutter. Do not attach or operate this unit with any type of brushcutting blade or brushcutting attachment.

SAFETY WARNINGS FOR GAS TRIMMERS

- Store fuel only in containers specifically designed and approved for the storage of such materials.
- Always stop the engine and allow it to cool before filling the fuel tank. Never remove the cap of the fuel tank, or add fuel, when the engine is hot. Never operate the unit without the fuel cap securely in place. Loosen the fuel tank cap slowly to relieve any pressure in the tank.
- Add fuel in a clean, well-ventilated outdoor area where there are no sparks or flames. Slowly remove the fuel cap only after stopping engine. Do not smoke while fueling. Wipe up any spilled fuel from the unit immediately.
- Avoid creating a source of ignition for spilled fuel. Do not start the engine until fuel vapors dissipate.
- Move the unit at least 30 feet (9.1 m) from the fueling source and site before starting the engine. Do not smoke. Keep sparks and open flames away from the area while adding fuel or operating the unit.

WHILE OPERATING

- Never start or run the unit inside a closed room or building. Breathing exhaust fumes can kill. Operate this unit only in a well ventilated outdoor area.
- Wear safety glasses or goggles that are marked as meeting ANSI Z87.1-1989 standards. Also wear ear/hearing protection when operating this unit. Wear a face or dust mask if the operation is dusty. Long sleeve shirts are recommended.
- Wear heavy, long pants, boots and gloves. Do not wear loose clothing, jewelry, short pants, sandals or go barefoot. Secure hair above shoulder level.
- The cutting attachment shield must always be in place while operating the unit. Do not operate unit without both trimming lines extended, and the proper line installed. Do not extend the trimming line beyond the length of the shield.
- This unit has a clutch. The cutting attachment remains stationary when the engine is idling. If it does not, have the unit adjusted by an authorized service technician.
- Adjust the J-handle to your size to provide the best grip.
- Be sure the cutting attachment is not in contact with anything before starting the unit.
- Use the unit only in daylight or good artificial light.
- Avoid accidental starting. Be in the starting position whenever pulling the starter rope. The operator and unit must be in a stable position while starting. See Starting/Stopping Instructions.
- Use the right tool. Only use this tool for the purpose intended.
- Do not overreach. Always keep proper footing and balance.
- Always hold the unit with both hands when operating. Keep a firm grip on both the front and rear handle or grips.
- Keep hands, face, and feet at a distance from all moving parts. Do not touch or try to stop the cutting attachment when it is rotating.
- Do not touch the engine or muffler. These parts get extremely hot from operation. They remain hot for a short time after you turn off the unit.
Rules for Safe Operation

- Do not operate the engine faster than the speed needed to cut, trim or edge. Do not run the engine at high speed when you are not cutting.
- Always stop the engine when cutting is delayed or when walking from one cutting location to another.
- If you strike or become entangled with a foreign object, stop the engine immediately and check for damage. Do not operate before repairing damage. Do not operate the unit with loose or damaged parts.
- Stop and switch the engine to off for maintenance, repair, or for changing the cutting attachment or other attachments.
- Use only Genuine Factory Parts™ replacement parts and accessories for this unit. These are available from your authorized service dealer. Use of any unauthorized parts or accessories could lead to serious injury to the user, or damage to the unit, and void your warranty.
- Keep unit clean of vegetation and other materials. They may become lodged between the cutting attachment and shield.
- To reduce fire hazard, replace faulty muffler and spark arrestor, keep the engine and muffler free from grass, leaves, excessive grease or carbon build up.

Other Safety Warnings

- Never store the unit, with fuel in the tank, inside a building where fumes may reach an open flame or spark.
- Allow the engine to cool before storing or transporting. Be sure to secure the unit while transporting.
- Store the unit in a dry area, locked up or up high to prevent unauthorized use or damage, out of the reach of children.
- Never douse or squirt the unit with water or any other liquid. Keep handles dry, clean and free from debris. Clean after each use. See the Cleaning and Storage instructions.
- Keep these instructions. Refer to them often and use them to instruct other users. If you loan someone this unit, also loan them these instructions.

Save These Instructions
SAFETY AND INTERNATIONAL SYMBOLS
This operator’s manual describes safety and international symbols and pictographs that may appear on this product. Read the operator’s manual for complete safety, assembly, operating and maintenance and repair information.

<table>
<thead>
<tr>
<th>SYMBOL</th>
<th>MEANING</th>
</tr>
</thead>
<tbody>
<tr>
<td>• SAFETY ALERT SYMBOL</td>
<td>Indicates danger, warning, or caution. May be used in conjunction with other symbols or pictographs.</td>
</tr>
<tr>
<td>• WARNING - READ OPERATOR’S MANUAL</td>
<td>Read the Operator’s Manual(s) and follow all warnings and safety instructions. Failure to do so can result in serious injury to the operator and/or bystanders.</td>
</tr>
<tr>
<td>• WEAR EYE AND HEARING PROTECTION</td>
<td>WARNING: Thrown objects and loud noise can cause severe eye injury and hearing loss. Wear eye protection meeting ANSI Z87.1-1989 standards and ear protection when operating this unit. Use a full face shield when needed.</td>
</tr>
<tr>
<td>• KEEP BYSTANDERS AWAY</td>
<td>WARNING: Keep all bystanders, especially children and pets, at least 50 feet (15 m.) from the operating area.</td>
</tr>
<tr>
<td>• UNLEADED FUEL</td>
<td>Always use clean, fresh unleaded fuel.</td>
</tr>
<tr>
<td>• OIL</td>
<td>Refer to operator’s manual for the proper type of oil.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SYMBOL</th>
<th>MEANING</th>
</tr>
</thead>
<tbody>
<tr>
<td>• THROWN OBJECTS AND ROTATING CUTTER CAN CAUSE SEVERE INJURY</td>
<td>WARNING: Do not operate without the cutting attachment shield in place. Keep away from the rotating cutting attachment.</td>
</tr>
<tr>
<td>• ON/OFF STOP CONTROL</td>
<td>ON / START / RUN</td>
</tr>
<tr>
<td>• ON/OFF STOP CONTROL</td>
<td>OFF OR STOP</td>
</tr>
<tr>
<td>• HOT SURFACE WARNING</td>
<td>Do not touch a hot muffler or cylinder. You may get burned. These parts get extremely hot from operation. When turned off they remain hot for a short time.</td>
</tr>
<tr>
<td>• SHARP BLADE</td>
<td>WARNING: Sharp blade on cutting attachment shield. To prevent serious injury, do not touch line cutting blade.</td>
</tr>
</tbody>
</table>
APPLICATIONS

As a trimmer:

- Cutting grass and light weeds
- Edging
- Decorative trimming around trees, fences, etc.

Other optional accessories may be used with the 825r. Refer to Operating the EZ-Link System for a list of add-ons.
INSTALL AND ADJUST THE J-HANDLE

The J-handle comes installed on this unit. Use the following information if you ever need to reinstall it.

1. Place the J-handle between the top and middle clamp pieces (Fig. 1).

2. While holding the three pieces together, install the four (4) screws through the top clamp and into middle clamp.

NOTE: The holes in the top and middle clamp will line up only when assembled correctly.

3. Place the clamps and the J-handle over the shaft housing and onto the bottom clamp.

4. Hold each hex nut in the bottom clamp recess with a finger. Start screws with a large Phillips screwdriver. Do not tighten until you make the handle adjustment.

5. Slide the J-handle in or out until the arrow/white line on the decal touches the clamp assembly (Fig. 2). You must first loosen the screws if the handle is pre-installed.

6. While holding the unit in the operating position (Fig. 3), position the J-handle to the location that provides you the best grip.

7. Tighten the clamp screws evenly, until the J-handle is secure.

INSTALL THE CUTTING ATTACHMENT SHIELD

Use the following instructions if the cutting attachment shield on your unit is not installed.

WARNING: To prevent serious personal injury, never operate the trimmer without the cutting attachment shield in place.

1. Place the cutting attachment shield onto the shaft housing above the clamp assembly (Fig. 4).

2. Push the cutting attachment shield down to the top of the cutting attachment assembly and then rotate the cutting attachment shield until the screw holes align and the guard fits into the recessed pocket (Fig. 5).

3. Install the screws with a Phillips screwdriver (Fig. 6).
OIL AND FUEL INFORMATION

DANGER: OVERFILLING OIL CRANKCASE MAY CAUSE SERIOUS PERSONAL INJURY. Check and maintain the proper oil level in the crank case; it is important and cannot be overemphasized. Check the oil before each use and change it as needed. See Changing the Oil.

RECOMMENDED OIL TYPE
Using the proper type and weight of oil in the crankcase is extremely important. Check the oil before each use and change the oil regularly. Failure to use the correct oil, or using dirty oil, can cause premature engine wear and failure.

Use a high-quality SAE 30 weight oil of API (American Petroleum Institute) service class SF, SG, SH.

ADDING OIL TO CRANKCASE: INITIAL USE
NOTE: This unit is shipped without oil. In order to avoid damage to the unit, put oil in the crankcase before you attempt to start the unit.

Your unit is supplied with one 3.4 fluid oz. (100 ml.) bottle of SAE 30 SF, SG, SH oil (Fig. 7).

NOTE: Save the bottle of oil. It can be used to measure the correct amount during future oil changes. See Changing the Oil.

1. Unscrew the top of the bottle of oil and remove the paper seal covering the opening. Replace the top. Next, cut the tip off the funnel spout (Fig. 7).

2. Place the unit on a flat level surface.

3. Remove the oil plug / dipstick from the crankcase (Fig. 8).

4. Pour the entire bottle of oil into the oil fill hole (Fig. 9).

NOTE: Never add oil to the fuel or fuel tank.

5. Wipe up any oil that may have spilled and reinstall the oil fill plug / dipstick.

Check oil before each use and change as needed. Refer to Changing the Oil.
RECOMMENDED FUEL TYPE
Old fuel is the primary reason for improper unit performance. Be sure to use fresh, clean, unleaded gasoline.

NOTE: This is a four cycle engine. In order to avoid damage to the unit, do not mix oil with gasoline.

Definition of Blended Fuels
Today’s fuels are often a blend of gasoline and oxygenates such as ethanol, methanol or MTBE (ether). Alcohol-blended fuel absorbs water. As little as 1% water in the fuel can make fuel and oil separate or form acids when stored. Use fresh fuel (less than 60 days old), when using alcohol-blended fuel.

Using Blended Fuels
If you choose to use a blended fuel, or its use is unavoidable, follow recommended precautions:
- Always use fresh unleaded gasoline
- Use the fuel additive STA-BIL® or an equivalent
- Drain tank and run the engine dry before storing unit

Using Fuel Additives
The use of fuel additives, such as STA-BIL® Gas Stabilizer or an equivalent, will inhibit corrosion and minimize the formation of gum deposits. Using a fuel additive can keep fuel from forming harmful deposits in the carburetor for up to six (6) months. Add 0.8 oz. (23 ml.) of fuel additive per gallon of fuel according to the instructions on the container. NEVER add fuel additives directly to the unit’s gas tank.

FUELING THE UNIT

WARNING: Gasoline is extremely flammable and its vapors can explode if ignited. To avoid serious personal injury, always stop the engine and allow it to cool before filling the fuel tank. Do not smoke while filling the tank. Keep sparks and open flames away from the area.

1. Remove the fuel cap (Fig. 10).

WARNING: Remove the fuel cap slowly to avoid injury from gasoline spray.

2. Place the gas container’s spout into the fill hole on the fuel tank (Fig. 10) and fill the tank.

WARNING: Add gasoline in a clean, well-ventilated outdoor area. Avoid creating a source of ignition for spilt fuel.

NOTE: Do not overfill the tank.

3. Wipe up any gasoline that may have spilled.

4. Reinstall the fuel cap.

WARNING: Never operate the unit without the fuel cap securely in place.

5. Move the unit at least 30 ft. (9.1 m) from the fueling source and site before starting the engine.

NOTE: Dispose of the old gasoline in accordance to Federal, State and Local regulations.
STARTING INSTRUCTIONS

**WARNING:** Operate this unit only in a well-ventilated area outdoors. Carbon monoxide exhaust fumes can be lethal in a confined area.

**WARNING:** Avoid accidental starting. Remain in the starting position when pulling the starter rope (Fig. 13). The operator and unit must be in a stable position while starting to avoid serious personal injury. Make sure that any Add-On item is installed correctly and secure before starting the unit.

1. Check the oil level in the crankcase. Refer to Checking the Oil Level.

2. Fill the fuel tank with fresh, clean unleaded gasoline. Refer to Fueling the Unit.

3. Put the Start/Stop Engine Control in the START (I) position (Fig. 11).

4. Place the choke lever in the FULL choke (A) position (Fig. 12).

**NOTE:** Slide the choke lever directly above the appropriate symbol on filter cover decal (Fig. 12).

5. Fully press and release the primer bulb slowly 10 times until FUEL IS VISIBLE IN THE PRIMER BULB. If you can't see fuel in the bulb, press and release the bulb as many times as it takes before you can see fuel in it (Fig. 12).

6. Squeeze the throttle control to the wide open (full throttle) position.

7. With the unit in the starting position (Fig. 13) and the choke in the FULL (A) position, pull the starter rope briskly 5 times. If the engine attempts to run before the fifth pull, proceed to step 8.

8. Move the choke lever to the PARTIAL (B) position (Fig. 12).

**NOTE:** The engine will not run in the FULL choke (A) position.

9. Pull the starter rope 1 to 3 pulls until the engine starts. Run for 15-30 seconds. If the unit fails to start, return to step 7.

10. Move the choke lever to the RUN (C) position and run at full throttle for 30 seconds.

11. Release the throttle control to the idle position and begin operation.

**NOTE:** If the engine does not start using these procedures, repeat steps 5 through 11 using TWO (2) pulls in the FULL choke (A) position.

**NOTE:** Choking is unnecessary when starting a warm engine. Put the On/Off Stop Control in the ON (I) position (Fig. 11), and start in PARTIAL choke (B) position (Fig. 12). After starting, place the choke lever in the RUN (C) position.

STOPPING INSTRUCTIONS

1. Release your hand from the throttle control (Fig. 13). Allow the engine to cool down by idling.

2. Put the On/Off Stop Control in the OFF (O) position (Fig. 11).
OPERATING THE EZ-LINK™ SYSTEM

The EZ-Link™ system enables the use of these optional Add-Ons.

- Blower/Vacuum .................................. BV720r
- Cultivator ...................................... GC720r
- Edger .......................................... LE720r
- Hedge Trimmer ................................. HS720r
- Snow Thrower .................................. ST720r
- Straight Shaft Trimmer ....................... SS725r
- Tree Pruner ..................................... TP720r
- Turbo Blower ................................... TB720r

WARNING: Read and understand the operator’s manual for each add-on prior to operation.

Removing the Cutting Attachment or Add-Ons
1. Turn the knob counterclockwise to loosen (Fig. 14).
2. Press and hold the release button (Fig. 14).
3. While firmly holding the upper shaft housing, pull the cutting attachment or add-on straight out of the EZ-Link™ coupler (Fig. 15).

WARNING: To avoid serious personal injury and damage to the unit, shut unit off before removing or installing add-ons.

Installing the Cutting Attachment or Add-Ons
NOTE: To make installing or removing the add-on easier, place the unit on the ground or on a work bench.

1. Turn knob counterclockwise to loosen (Fig. 14).

2. While firmly holding the add-on, push it straight into the EZ-Link™ coupler (Fig. 15).

NOTE: Aligning the release button with the guide recess will help installation (Fig. 14).

CAUTION: Lock the release button in the primary hole and securely tighten the knob before operating this unit.

For edging when using the line head cutting attachment with EZ-Link™ models, lock the release button of the cutting attachment into the 90° edging hole or the 180° edging hole (Fig. 16).
OPERATING INSTRUCTIONS

HOLDING THE TRIMMER

**WARNING:** Always wear eye, hearing, foot and body protection to reduce the risk of injury when operating this unit.

Before operating the unit, stand in the operating position (Fig. 17). Check for the following:

- The operator is wearing eye protection and proper clothing
- With a slightly-bent right arm, the operator’s hand is holding the shaft grip
- The operator’s left arm is straight, the left hand holding the J-handle
- The unit is at waist level
- The cutting attachment is parallel to the ground and easily contacts the grass without the need to bend over

![Fig. 17](image)

**NOTE:** Do not rest the Bump Head™ on the ground while the unit is running.

Some line breakage will occur from:
- Entanglement with foreign matter
- Normal line fatigue
- Attempting to cut thick, stalky weeds
- Forcing the line into objects such as walls or fence posts

**CAUTION:** Do not remove or alter the line cutting blade assembly. Excessive line length will make the clutch overheat. This may lead to serious personal injury or damage to the unit.

ADJUSTING TRIMMING LINE LENGTH

The Bump Head™ cutting attachment allows you to release trimming line without stopping the engine. To release more line, lightly tap the cutting attachment on the ground (Fig. 18) while operating the trimmer at high speed.

**NOTE:** Always keep the trimming line fully extended. Line release becomes more difficult when the cutting line gets shorter.

![Fig. 18](image)

TIPS FOR BEST TRIMMING RESULTS

- Keep the cutting attachment parallel to the ground.
- Do not force the cutting attachment. Allow the tip of the line to do the cutting, especially along walls.
- Cutting with more than the tip will reduce cutting efficiency and may overload the engine.
- Cut grass over 8 inches (200 mm) by working from top to bottom in small increments to avoid premature line wear or engine drag.
- Cut from right to left whenever possible. Cutting to the left improves the unit’s cutting efficiency. Clippings are thrown away from the operator.
- Slowly move the trimmer into and out of the cutting area at the desired height. Move either in a forward-backward or side-to-side motion. Cutting shorter lengths produces the best results.
- Trim only when grass and weeds are dry.
- The life of your cutting line is dependent upon:
  - Following the trimming techniques
  - What vegetation is being cut
  - Where vegetation is cut

For example, the line will wear faster when trimming against a foundation wall as opposed to trimming around a tree.

DECORATIVE TRIMMING

Decorative trimming is accomplished by removing all vegetation around trees, posts, fences and more. Rotate the whole unit so that the cutting attachment is at a 30° angle to the ground (Fig. 19).

![Fig. 19](image)
MAINTENANCE AND REPAIR INSTRUCTIONS

MAINTENANCE SCHEDULE
Perform these required maintenance procedures at the frequency stated in the table. These procedures should also be a part of any seasonal tune-up.

NOTE: Some maintenance procedures may require special tools or skills. If you are unsure about these procedures take your unit to any non-road engine repair establishment, individual or authorized service dealer.

NOTE: Maintenance, replacement, or repair of the emission control devices and system may be performed by any non-road engine repair establishment, individual or authorized service dealer.

WARNING: To prevent serious injury, never perform maintenance or repairs with the unit running. Always service and repair a cool unit. Disconnect the spark plug wire to ensure that the unit cannot start.

<table>
<thead>
<tr>
<th>FREQUENCY</th>
<th>MAINTENANCE REQUIRED</th>
<th>REFER TO</th>
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</thead>
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<tr>
<td>Before starting engine</td>
<td>Fill fuel tank with fresh fuel</td>
<td>Page 10</td>
</tr>
<tr>
<td></td>
<td>Check oil</td>
<td>Page 17</td>
</tr>
<tr>
<td>Every 10 hours</td>
<td>Clean and re-oil air filter</td>
<td>Page 18</td>
</tr>
<tr>
<td>First change at 10 hours</td>
<td>Change oil</td>
<td>Page 17</td>
</tr>
<tr>
<td>Every 25 hours thereafter</td>
<td>Change oil</td>
<td>Page 21</td>
</tr>
<tr>
<td>Every 25 hours</td>
<td>Clean spark arrestor</td>
<td></td>
</tr>
<tr>
<td>10 hours on new engine</td>
<td>Check rocker arm to valve clearance and adjust</td>
<td>Page 19</td>
</tr>
<tr>
<td>Every 25 hours</td>
<td>Check rocker arm to valve clearance and adjust</td>
<td>Page 19</td>
</tr>
<tr>
<td></td>
<td>Check spark plug condition and gap</td>
<td>Page 21</td>
</tr>
</tbody>
</table>

LINE INSTALLATION FOR THE SPEEDSPOOL®

WARNING: Never use metal-reinforced line, wire, chain, or rope, etc. These can break off and become dangerous projectiles.

Always use Genuine Factory Parts™ 0.080 inch (2.03 mm) replacement line. Lines other than those specified may make the engine overheat or fail.

There are two methods to replace the SpeedSpool® trimming line:
- Wind the inner reel with new line
- Install a pre-wound inner reel

Winding the Inner Reel With New Line

NOTE: It is unnecessary to remove the bump knob to install a new trimming line.

1. Cut two pieces of 0.080 inch (2.03 mm) trimming line, 10 feet (3 m) long.
2. Hold the outer spool and turn the inner reel counterclockwise to line up the arrows on the outer spool and inner reel (Fig. 20).

WARNING: Always use the correct line length when installing trimming line on the unit. The line may not release properly if the line is too long.
3. Pull old line out of the line loading and line locking holes (Fig. 21 and 22).

4. Insert a piece of trimming line straight into one of the two eyelets in the outer spool. Push it up through the line loading hole in the inner reel (Fig. 21). Do not bend the line when inserting it into the eyelet.

5. Insert the line into the locking hole (Fig. 22). Do not push the line more than a 1/2 inch (12.7 mm) into the line locking hole. The line will form a small loop (Fig. 22) when it is inserted correctly.

6. Pull the line from the outer spool until the line is tight against the inner reel (Fig. 23).

7. Repeat procedures 4-6 with the second piece of line.

8. Hold the outer spool. Wind the inner reel counterclockwise until approximately four (4) inches (102 mm) of line remain (Fig. 24). 

   **NOTE:** Do not wind the inner reel before installing the second piece of line.

9. If winding the line becomes difficult or if the line jams, pull the ends of the line from the spool (Fig. 25). Continue winding the inner reel counterclockwise.

---

**INSTALLING A PRE-WOUND REEL**

1. Turn the bump knob counterclockwise and remove the bump knob, spring and foam seal (Fig. 26).
2. Pull the old inner reel with existing line from the outer spool.
3. Insert the ends of the prewound inner reel line into the outer spool eyelets (Fig. 27). Push the new inner reel, arrow side up, into the outer spool.

4. Hold the inner reel in place and install the bump knob, spring and foam seal. Press down and turn the bump knob clockwise. Grasp the ends and pull firmly to release the line from the holding slots in the inner reel (Fig. 25).

Releasing the Inner Reel
If the SpeedSpool® does not release line correctly, pull the ends of the line firmly from the spool (Fig. 25). If this does not release the line, follow the Cleaning the SpeedSpool® instructions.

CLEANING THE SPEEDSPOOL®
Cleaning the SpeedSpool® may be necessary if:
- A jammed or excessive line must be removed
- The SpeedSpool® becomes difficult to wind or does not operate correctly when bumping the head on the ground

1. Hold the outer spool, and unscrew the bump knob counterclockwise (Fig. 28).
2. Pull out the bump knob, spring and foam seal (Fig. 26).

4. Remove any existing line from the inner reel before cleaning. Remove any debris or grass from the knob, spring, inner reel and foam seal. Wash the inner reel with warm soapy water (Fig. 29).

Fig. 27

5. Clean the shaft and the inner surface of the outer spool. To clean the shaft underneath the plunger, press down on the plunger (Fig. 30). Remove any dirt or debris from the shaft.

NOTE: The inner reel must be totally dry before reinstalling it into the outer spool. Do not lubricate the inner reel or outer spool assembly.

6. Place the inner reel into the outer spool.
7. Place the bump knob, spring and foam seal onto the inner reel (Fig. 26).
8. Press the bump knob down and tighten clockwise.
9. Install new line as described in Line Installation for the SpeedSpool®.

Fig. 29

Fig. 30

SPEEDSPOOL® REPLACEMENT PARTS
Replacement Line .................................. 181472
Replacement Line Cartridge .................. 181460
Inner Reel Spring .............................. 181465
Foam Seal ..................................... 181467
Inner Reel ................................... 181464
Bump Head™ Assembly ..................... 181468
(Bump Knob, Inner Reel, Spring)
These SpeedSpool® replacement parts can be purchased from your local authorized dealer.
CHECKING THE OIL LEVEL

**CAUTION:** To prevent extensive engine wear and damage to the unit, always maintain the proper oil level in the crankcase. Never operate the unit with the oil level below the bottom of the dipstick.

The importance of checking and maintaining the proper oil level in the crankcase cannot be overemphasized. Check oil before each use:

1. Stop the engine and allow oil to drain into the crankcase.
2. Place the unit on a flat, level surface to get a proper oil level reading.
3. Keep dirt, grass clippings and other debris out of the engine. Clean the area around the oil fill plug/dipstick before removing it.
4. Remove the oil fill plug/dipstick and wipe off oil. Reinsert it all the way back in.
5. Remove the oil fill plug/dipstick and check the oil level. Oil should be up to the top of the dipstick (Fig. 31).

**NOTE:** Do not overfill the unit.

CHANGING THE OIL

For a new engine, change the oil after the first 10 hours of operation. Change the oil while the engine is still warm. The oil will flow freely and carry away more impurities.

**CAUTION:** Wear gloves to prevent injury when handling the unit.

1. Unplug spark plug boot to prevent accidental starting.
2. Remove the oil fill plug/dipstick.
3. Pour the oil out of the oil fill hole and into a container by tipping the unit to a vertical position (Fig. 33). Allow ample time for complete drainage.
4. Wipe up any oil residue on the unit and clean up any oil that may have spilled. Dispose of the oil according to Federal, State and local regulations.
5. Refill the crankcase with 3.4 fluid ounce (100 ml) of SAE 30 SF, SG, SH oil.

**NOTE:** Use the bottle and spout saved from initial use to measure the correct amount of oil. The top of the label on the bottle measures approximately 3.4 ounces (100 ml) (Fig. 34). Check the level with the dipstick. If the level is low, add a small amount of oil and recheck. Do not overfill (Fig. 34).

6. Replace the oil fill plug/dipstick.
7. Reconnect the spark plug boot.
AIR FILTER MAINTENANCE

Cleaning the Air Filter
Clean and re-oil the air filter every 10 hours of operation. It is an important item to maintain. Failure to maintain the air filter will VOID the warranty.

WARNING: To avoid serious personal injury, always turn your trimmer off and allow it to cool before you clean or service it.

1. Open the air filter cover. Push the tab on the right side of the cover inward. Then pull the air filter cover out and to the left (Fig. 35).

NOTE: It may be necessary to remove the fuel cap to completely remove the air filter cover.

2. Remove the air filter (Fig. 35).

3. Wash the filter in detergent and water (Fig. 36). Rinse the filter thoroughly and allow it to dry.

4. Apply enough clean SAE 30 motor oil to lightly coat the filter (Fig. 37).

5. Squeeze the filter to spread and remove excess oil (Fig. 38).

6. Replace the filter (Fig. 39).

NOTE: If the unit is operated without the air filter, you will VOID the warranty.

7. Reinstall the air filter cover. Position the hooks on the left side of the air filter cover into the slots at the left side of the back plate (Fig. 39).

NOTE: It may be necessary to remove the fuel cap to reinstall the air filter cover.

8. Swing the cover to the right until the tab on the air filter cover snaps into place in the slot on the back plate (Fig. 39).

9. Replace the fuel cap if it was removed.

CARBURETOR ADJUSTMENT
The idle speed of the engine is adjustable. An idle adjustment screw is reached through a hole in the top of the engine cover (Fig. 40).

NOTE: Careless adjustments can seriously damage your unit. An authorized service dealer should make carburetor adjustments.

Check Fuel
Old fuel is usually the reason for improper unit performance. Drain and refill the tank with fresh fuel prior to making any adjustments. Refer to Oil and Fuel Information.
Clean Air Filter
The condition of the air filter is important to the operation of the unit. A dirty air filter will restrict air flow. This is often mistaken for an out of adjustment carburetor. Check the condition of the air filter before adjusting the idle speed screw. Refer to Air Filter Maintenance.

Adjust Idle Speed Screw

**WARNING:** The cutting attachment may spin during idle speed adjustments. Wear protective clothing and observe all safety instructions to prevent serious personal injury.

If, after checking the fuel and cleaning the air filter, the engine still will not idle, adjust the idle speed screw as follows:

1. Start the engine and let it run at a high idle for a minute to warm up. Refer to Starting/Stopping Instructions.
2. Release the throttle trigger and let the engine idle. If the engine stops, insert a small Phillips or flat blade screwdriver into the hole in the air filter/muffler cover (Fig. 40). Turn the idle speed screw in, clockwise, 1/8 of a turn at a time (as needed) until the engine idles smoothly.

**NOTE:** The cutting attachment should not rotate when the engine idles.

3. If the cutting attachment rotates when the engine idles, turn the idle speed screw counterclockwise 1/8 of a turn at a time (as needed), to reduce idle speed.

Checking the fuel, cleaning the air filter, and adjusting the idle speed should solve most engine problems. If not and all of the following are true:
- the engine will not idle
- the engine hesitates or stalls on acceleration
- there is a loss of engine power

Have the carburetor adjusted by an authorized service dealer.

**WARNING:** To prevent serious personal injury, make sure the cutting attachment has stopped rotating before you turn it off and set it down.

ROCKER ARM CLEARANCE
This requires disassembly of the engine. If you feel unsure or unqualified to perform this, take the unit to an authorized service center.

**NOTE:** Inspect the valve to rocker arm clearance with a feeler gauge after the first 10 hours of operation and then every 25 hours of operation thereafter.

- The engine must be cold when checking or adjusting the valve clearance.
- This task should be performed inside, in a clean, dust free area.

1. Remove the muffler cover by pressing down on it, separating it from the engine cover. Using a flat blade screwdriver, disengage the middle and front tabs and slots first. The cover will hinge off from the rear tab (Fig. 41).

2. Remove the two (2) screws on top of the engine cover with a Flat-head or T-25 Torx screwdriver (Fig. 42).
3. Remove the screw behind the engine cover (Fig. 43).

4. Disconnect the spark plug wire.

5. Clean dirt from around the spark plug. Remove the spark plug from the cylinder head by turning a 5/8 in. socket counterclockwise.

6. Remove the engine cover (Fig. 42).

7. Clean dirt from around the rocker arm cover. Remove the screw holding the rocker arm cover with a large flat blade screwdriver or Torx T-25 bit (Fig. 44). Remove the rocker arm cover and gasket.

8. Pull the starter rope slowly to bring the piston to the top of its travel, (known as top dead center). Check that:
   - The piston is at the top of its travel while looking in the spark plug hole (Fig. 44)
   - Both rocker arms move freely, and both valves are closed

If these statements are not true, repeat this step.

9. Slide the feeler gauge between the rocker arm and the valve return spring. Measure the clearance between the valve stem and rocker arm (Fig. 45). Measure both the intake and exhaust valves.

The recommended clearance for both intake and exhaust is .003 – .006 in. (.076 – 0.152 mm). Use a standard automotive .005 in. (0.127 mm) feeler gauge. The feeler gauge should slide between the rocker arm and valve stem with a slight amount of resistance, without binding. See Figure 45 and 46.

10. If the clearance is not within specification:
    a. Turn the adjusting nut using a 5/16 inch (8 mm) wrench or nut driver (Fig. 46).
       • To increase clearance, turn the adjusting nut counterclockwise.
       • To decrease clearance, turn the adjusting nut clockwise.
    b. Recheck both clearances, and adjust as necessary.

11. Reinstall the rocker arm cover using a new gasket. Torque the screw to 20–30 in·lb (2.2–3.4 N·m).

12. Reinstall the engine cover. Check alignment of the cover before tightening the screws. Tighten screws.

13. Reinstall the muffler cover. Slip the rear tab on the muffler cover into the engine cover rear slot. Then slide the remaining slots into the tabs until they snap into place (Fig. 41).

14. Check the spark plug and reinstall. See Replacing the Spark Plug.

15. Replace the spark plug wire.
REPLACING THE SPARK PLUG

Use a replacement part number 180852 spark plug. The correct air gap is 0.025 in. (0.655 mm.). Remove the plug after every 25 hours of operation and check its condition.

1. Stop the engine and allow it to cool. Grasp the plug wire firmly and pull the cap from the spark plug.
2. Clean dirt from around the spark plug. Remove the spark plug from the cylinder head by turning a 5/8 in. socket counterclockwise.
3. Replace cracked, fouled or dirty spark plug. Set the air gap at 0.025 in. (0.655 mm.) using a feeler gauge (Fig. 47).

CAUTION: Do not sand blast, scrape, or clean electrodes. Grit in the engine could damage the cylinder.

4. Install a correctly-gapped spark plug in the cylinder head. Turn the 5/8 in. socket clockwise until snug.

If using a torque wrench torque to: 110-120 in.-lb. (12.3-13.5 N-m)

Do not over tighten.

SPARK ARRESTOR MAINTENANCE

1. Remove the muffler cover. See Rocker Arm Clearance.

2. With a flat blade screwdriver or Torx T-20 bit, remove the screw attaching the spark arrestor cover to the muffler (Fig. 48).

3. Pull the tab on the spark arrestor cover out of the muffler. Remove the spark arrestor cover.

4. Remove the spark arrestor screen from the spark arrestor cover.

5. Clean the spark arrestor screen with a wire brush or replace it.

6. Reinstall the spark arrestor screen, spark arrestor cover and screw.
MAINTENANCE AND REPAIR INSTRUCTIONS

CLEANING

WARNING: To avoid serious personal injury, always turn your trimmer off and allow it to cool before you clean or do any maintenance on it.

Use a small brush to clean off the outside of the unit. Do not use strong detergents. Household cleaners that contain aromatic oils such as pine and lemon, and solvents such as kerosene, can damage plastic housing or handle. Wipe off any moisture with a soft cloth.

STORAGE

• Never store the unit with fuel in the tank where fumes may reach an open flame or spark.
• Allow the engine to cool before storing.
• Lock up the unit to prevent unauthorized use or damage.
• Store the unit in a dry, well-ventilated area.
• Store the unit out of the reach of children.

LONG TERM STORAGE

1. Drain all gasoline from the gas tank into a container. Do not use gas that has been stored for more than 60 days. Dispose of the old gasoline in accordance to Federal, State, and Local regulations.
2. Start the engine and allow it to run until it stalls. This ensures that all gasoline has been drained from the carburetor.
3. Allow the engine to cool. Remove the spark plug and put 1 oz. (30 ml) of high quality motor oil into the cylinder. Pull the starter rope slowly to distribute the oil. Reinstall the spark plug.

NOTE: Remove the spark plug and drain all of the oil from the cylinder before attempting to start the trimmer after storage.

4. Change the oil, referring to Changing the Oil. Dispose of the old oil in accordance to Federal, State and Local regulations.
5. Thoroughly clean the unit and inspect for any loose or damaged parts. Repair or replace damaged parts and tighten loose screws, nuts or bolts. The unit is ready for storage.

TRANSPORTING

• Allow the engine to cool before transporting.
• Secure the unit while transporting.
• Drain the gas tank before transporting.
• Tighten gas cap before transporting.

ACCESSORIES/REPLACEMENT PARTS

4-Cycle Oil .................................. 181786
Spark Plug .................................. 180852
Spark Arrestor Screen ..................... 180890
Replacement Line .......................... 181472
Replacement Line Cartridge ............... 181460
Inner Reel Spring .......................... 181465
Bump Knob ................................. 181468
Bump Head Assembly ..................... 181469
Shoulder Strap ............................. 682075

For a full list of replacement parts, refer to the parts list located at the inside back cover of this manual.
## TROUBLESHOOTING

### ENGINE WILL NOT START

**CAUSE**
- On/Off control in the STOP position
- Empty fuel tank
- Primer bulb wasn’t pressed enough
- Old fuel
- Fouled spark plug
- Plugged spark arrestor

**ACTION**
- Turn On/Off control to ON
- Fill fuel tank with new fuel
- Press primer bulb fully and slowly 10 times
- Drain gas tank and add fresh fuel
- Replace or clean the spark plug
- Clean or replace spark arrestor

### ENGINE WILL NOT IDLE

**CAUSE**
- Air filter is plugged
- Old fuel
- Improper carburetor adjustment

**ACTION**
- Replace or clean the air filter
- Drain gas tank and add fresh fuel
- Adjust carburetor

### ENGINE WILL NOT ACCELERATE

**CAUSE**
- Old fuel
- Improper carburetor adjustment
- Cutting attachment bound with grass
- Dirty air filter
- Plugged spark arrestor

**ACTION**
- Drain gas tank and add fresh fuel
- Take to an authorized service dealer for adjustment
- Stop the engine and clean the cutting attachment
- Clean or replace the air filter
- Clean or replace spark arrestor

### ENGINE LACKS POWER OR STALLS WHEN CUTTING

**CAUSE**
- Old fuel
- Improper carburetor adjustment
- Fouled spark plug
- Plugged spark arrestor

**ACTION**
- Drain gas tank and add fresh fuel
- Take to an authorized service dealer for adjustment
- Replace or clean the spark plug
- Clean or replace spark arrestor

### CUTTING ATTACHMENT WILL NOT ADVANCE LINE

**CAUSE**
- Cutting attachment bound with grass
- Cutting attachment out of line
- Inner reel bound up
- Cutting head dirty
- Line welded
- Line twisted when refilled
- Not enough line is exposed

**ACTION**
- Stop the engine and clean cutting attachment
- Refill with new line
- Replace the inner reel
- Clean inner reel and outer spool
- Disassemble, remove the welded section and rewind
- Disassemble and rewind the line
- Push the bump knob and pull out line until 4 inches (102 mm) of line is outside of the cutting attachment

### CUTTING LINE ADVANCES UNCONTROLLABLY

**CAUSE**
- Oil, cleaner or lubricant in cutting head

**ACTION**
- Clean and thoroughly dry the cutting head

---

If further assistance is required, contact your authorized service dealer.
## ENGINE

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
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<tbody>
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<td>Engine Type</td>
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<td>Operating RPM</td>
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<tr>
<td>Idle Speed RPM</td>
<td>3,000 - 4,500 rpm</td>
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<tr>
<td>Ignition Type</td>
<td>Electronic</td>
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<td>Valve clearance</td>
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<tr>
<td>Spark Plug Gap</td>
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<td>Carburetor</td>
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<td>Starter</td>
<td>Auto Rewind</td>
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<td>Muffler</td>
<td>Baffled with Guard</td>
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<tr>
<td>Throttle</td>
<td>Manual Spring Return</td>
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<td>Fuel Tank Capacity</td>
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## DRIVE SHAFT & CUTTING ATTACHMENT

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<td>Drive Shaft Housing</td>
<td>Aluminum Tube (EZ-Link™)</td>
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<td>Throttle Control</td>
<td>Finger-Tip Trigger</td>
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<tr>
<td>Approximate Unit Weight</td>
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<td>Cutting Mechanism</td>
<td>Dual String Cutting Head</td>
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<td>Line Spool</td>
<td>Bump Line Releaser</td>
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<td>Line Spool Diameter</td>
<td>3 inches (76.2 mm)</td>
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<tr>
<td>Trimming Line Diameter</td>
<td>0.080 inches (2.03 mm)</td>
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<tr>
<td>Cutting Path Diameter</td>
<td>15 in. (38.1 cm)</td>
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</tbody>
</table>

*All specifications are based on the latest product information available at the time of printing. We reserve the right to make changes at any time without notice.
California / EPA Emission Control Warranty Statement
Your Warranty Rights and Obligations

The California Air Resource Board, the Environmental Protection Agency and MTD LLC (MTD) are pleased to explain the emission control system warranty on your 2000 and later small off-road engine. In California and the 49 other states new small off-road engines must be designed, built and equipped to meet stringent anti-smog standards. Ryobi must warrant the emission control system on your small off-road engine for the periods of time listed below provided there has been no abuse, neglect or improper maintenance of your small off-road engine.

Your emission control system may include parts such as the carburetor or fuel-injected system, the ignition system, and catalytic converter. Also included may be hoses, belts, connectors and other emission-related assemblies.

Where a warrantable condition exists, Ryobi will repair your small off-road engine at no cost to you including diagnosis, parts and labor.

The 2000 and later small off-road engines are warranted for two years. If any emission-related part on your engine is defective, the part will be repaired or replaced by Ryobi.

Owners Warranty Responsibilities

• As the small off-road engine owner, you are responsible for the performance of the required maintenance listed in your operator’s manual. Ryobi recommends that you retain all receipts covering maintenance on your small off-road engine, but Ryobi cannot deny warranty solely for the lack of receipts or for your failure to ensure the performance of all scheduled maintenance.

• As the small off-road engine owner, you however should be aware that Ryobi may deny you warranty coverage if your small off-road engine or a part has failed due to abuse, neglect, improper maintenance or unapproved modifications.

• You are responsible for presenting your small off-road engine to a Ryobi Authorized Service Center 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 call 1-800-345-8746.

Manufacturer’s Warranty Coverage

• The warranty period begins on the date the engine or equipment is delivered to the retail purchaser.

• The manufacturer warrants to the initial owner and each subsequent purchaser, that the engine is free from defects in material and workmanship which cause the failure of a warranted part for a period of two years.

• Repair or replacement of warranted part will be performed at no charge to the owner at an Authorized Ryobi Service Center. For the nearest location please contact Ryobi at: 1-800-345-8746.

• Any warranted part which is not scheduled for replacement, as required maintenance or which is scheduled for only for regular inspection to the effect of "Repair or Replace as Necessary" is warranted for the warranty period. Any warranted part which is scheduled for replacement as required maintenance will be warranted for the period of time up to the first scheduled replacement point for that part.

• The owner will not be charged for diagnostic labor which leads to the determination that a warranted part is defective, if the diagnostic work is performed at an Authorized Ryobi Service Center.

• The manufacturer is liable for damages to other engine components caused by the failure of a warranted part still under warranty.

• Failures caused by abuse, neglect or improper maintenance are not covered under warranty.

• The use of add-on or modified parts can be grounds for disallowing a warranty claim. The manufacturer is not liable to cover failures of warranted parts caused by the use of add-on or modified parts.

• In order to file a claim, go to your nearest Authorized Ryobi Service Center. Warranty services or repairs will be provided at all Authorized Ryobi Service Centers.

• Any manufacturer approved replacement part may be used in the performance of any warranty maintenance or repair of emission related parts and will be provided without charge to the owner. Any replacement part that is equivalent in performance or durability may be used in non-warranty maintenance or repair and will not reduce the warranty obligations of the manufacturer.

• The following components are included in the emission related warranty of the engine, air filter, carburetor, primer, fuel lines, fuel pick up/ fuel filter, ignition module, spark plug and muffler.
ENGINE PARTS - MODELS 825r
4-CYCLE GAS TRIMMER
PPN - 41CD825A034

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<thead>
<tr>
<th>Item</th>
<th>Part No.</th>
<th>Description</th>
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<td>753-1222</td>
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<tr>
<td>2</td>
<td>791-182339</td>
<td>Engine Cover Screws</td>
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<td>3</td>
<td>791-181010</td>
<td>Valve Cover Screw</td>
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<td>791-182099</td>
<td>Valve Cover Gasket</td>
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<td>6</td>
<td>791-182340</td>
<td>Rocker Adjustment Nut</td>
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<td>7</td>
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<td>791-182102</td>
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<td>791-181033</td>
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<td>791-182745</td>
<td>Cylinder Assembly (includes 9, 12, 14, 74)</td>
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* Parts not shown
### BOOM AND TRIMMER PARTS - MODEL 825r

4-CYCLE GAS TRIMMER

PPN - 41CD825A034

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<td>791-610314</td>
<td>Throttle Trigger Spring</td>
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<td>791-181457</td>
<td>Outer Spool and Eyelet Assembly w/ Retainer</td>
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<td>791-181458</td>
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<td>39</td>
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<td>Bump Head Knob Assembly w/Spring &amp; Foam Seal</td>
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* Items Not Shown

* Items Not Shown (Used with Version B Grip)
MANUFACTURER’S LIMITED WARRANTY FOR:

RYOBI

The limited warranty set forth below is given by MTD LLC ("MTD") with respect with new merchandise purchased and used in the United States, its possessions and territories.

MTD warrants this product against defects in material and workmanship for a period of two (2) years commencing on the date of original purchase and will, at its option, repair or replace, free of charge, any part found to be defective in material or workmanship. This limited warranty shall only apply if this product has been operated and maintained in accordance with the Operator’s Manual furnished with the product, and has not been subject to misuse, abuse, commercial use, neglect, accident, improper maintenance, alteration, vandalism, theft, fire, water or damage because of other peril or natural disaster. Damage resulting from the installation or use of any accessory or attachment not approved by MTD for use with the product(s) covered by this manual will void your warranty as to any resulting damage. This warranty is limited to ninety (90) days from the date of original retail purchase for any MTD product that is used for rental or commercial purposes, or any other income-producing purpose.

HOW TO OBTAIN SERVICE: Warranty service is available, WITH PROOF OF PURCHASE THROUGH YOUR LOCAL AUTHORIZED SERVICE DEALER. To locate the dealer in your area, please check for a listing in the Yellow Pages or contact the Customer Service Department of MTD LLC by calling 1-800-345-8746 or writing to P.O. Box 361131, Cleveland OH 44136-0019 or if in Canada call 1-800-668-1238. No product returned directly to the factory will be accepted unless prior written permission has been extended by the Customer Service Department of MTD LLC.

This limited warranty does not provide coverage in the following cases:

A. Tune-ups - Spark Plugs, Carburetor Adjustments, Filters
B. Wear items - Bump Knobs, Outer Spools, Cutting Line, Inner Reels, Starter Pulley, Starter Ropes, Drive Belts
C. MTD does not extend any warranty for products sold or exported outside of the United States of America, its possessions and territories, except those sold through MTD’s authorized channels of export distribution.

MTD reserves the right to change or improve the design of any RYOBI Product without assuming any obligation to modify any product previously manufactured.

No implied warranty, including any implied warranty of merchantability or fitness for a particular purpose, applies after the applicable period of express written warranty above as to the parts as identified. No other express warranty or guaranty, whether written or oral, except as mentioned above, given by any person or entity, including a dealer or retailer, with respect to any product shall bind MTD. During the period of the Warranty, the exclusive remedy is repair or replacement of the product as set forth above. (Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.)

The provisions as set forth in this Warranty provide the sole and exclusive remedy arising from the sales. MTD shall not be liable for incidental or consequential loss or damages including, without limitation, expenses incurred for substitute or replacement lawn care services, for transportation or for related expenses, or for rental expenses to temporarily replace a warranted product. (Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.)

In no event shall recovery of any kind be greater than the amount of the purchase price of the product sold. Alteration of the safety features of the product shall void this Warranty. You assume the risk and liability for loss, damage, or injury to you and your property and/or to others and their property arising out of the use or misuse or inability to use the product.

This limited warranty shall not extend to anyone other than the original purchaser, original lessee or the person for whom it was purchased as a gift.

How State Law Relates to this Warranty: This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

To locate your nearest service dealer dial 1-800-345-8746 in the United States or 1-800-668-1238 in Canada.

MTD LLC
P.O. Box 361131
Cleveland, OH 44136-0019

SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE.
FOR QUESTIONS CALL 1-800-345-8746 IN U.S.
OR 1-800-668-1238 IN CANADA

OPERATOR’S MANUAL PART NO. 769-00557
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1/03