

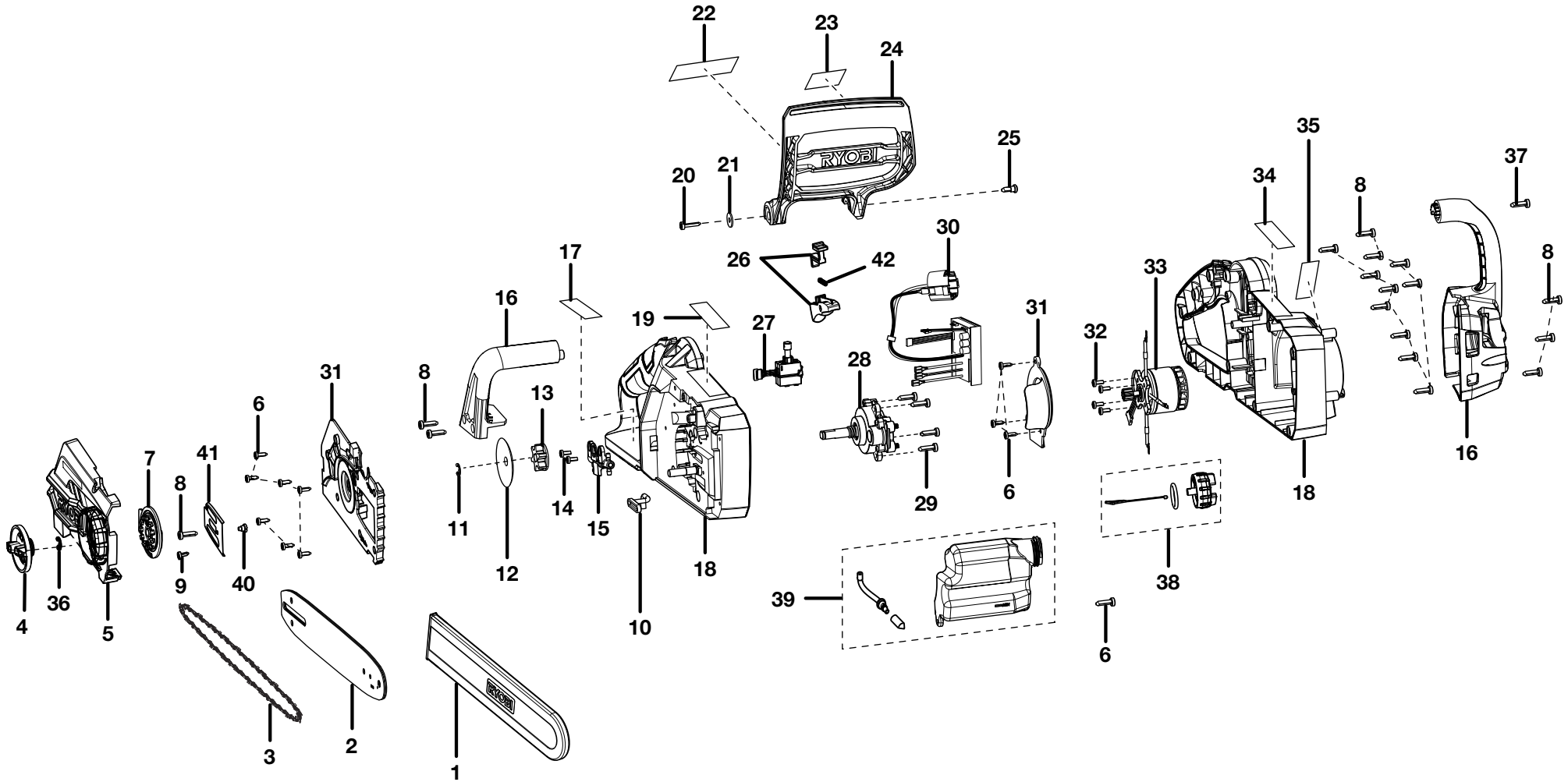
RYOBI
18 Volt Chain Saw
Item Number P548
Mfg. No. 107251005
Repair Sheet

ONE WORLD TECHNOLOGIES, INC.

1428 Pearman Dairy Road, Anderson, SC 29625 • Phone 1-800-525-2579
États-Unis, Téléphone 1-800-525-2579 • USA, Teléfono 1-800-525-2579

www.ryobitools.com

FIGURE A



RYOBI CHAIN SAW – MODEL P548

FIGURE A PARTS LIST

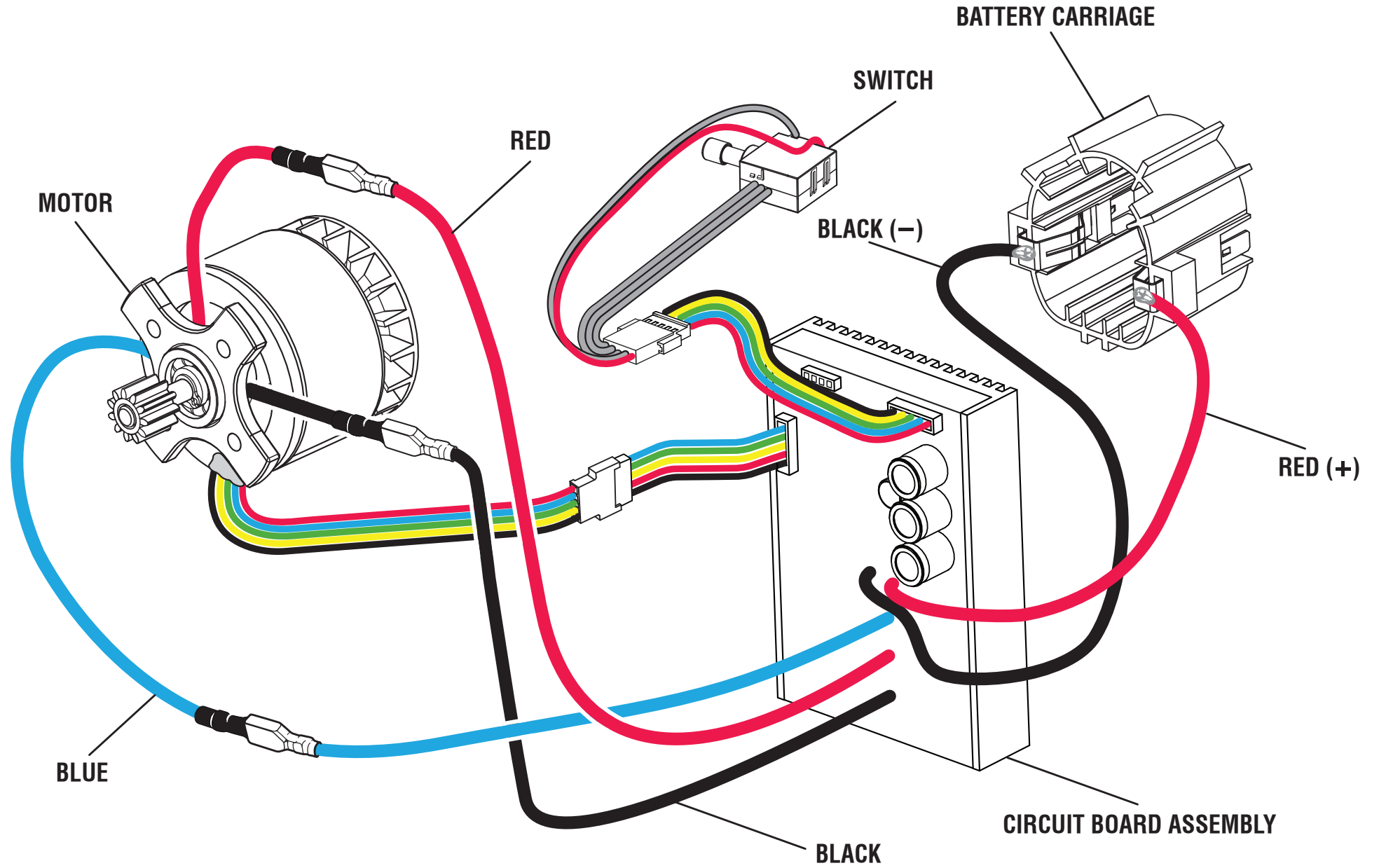
KEY NO.	PART NUMBER	DESCRIPTION	QTY	KEY NO.	PART NUMBER	DESCRIPTION	QTY
1	580279001	Scabbard (12 in.).....	1	23	940657255	Warning Icon Label (Top).....	1
2	312637001	Guide Bar (12 in.)	1	24	204589001	Front Handle Guard (Incl. Key Nos. 22-23).....	1
3	682117001	Chain (12 in.)	1	25	662113001	Screw (M5 x 15 mm, T25 Torx Hd.).....	1
4	527411001	Chain Tensioner Adjustment Knob.....	1	26	204590001	Trigger Assembly (Inc. Key No. 42).....	1
5	360065001	Side Cover Assembly.....	1	27	760579003	Switch	1
6	660608001	Screw (M4 x 12 mm)	11	28	204607001	Gear Box w/Output Shaft Assembly.....	1
7	312428001	Chain Tensioner Assembly.....	1	29	661189003	Screw (M4 x 18 mm, T15 Torx Hd.).....	4
8	662051003	Screw (#10-14 x 18 mm, T25 Torx Hd.)	17	30	291745001	Battery Carriage and Circuit Board Assembly	1
9	660608004	Screw (M4 x 12 mm, T20 Torx Hd.).....	1	31	204588001	Brake and Volute Cover Assembly.....	1
10	563438001	Outlet Tube.....	1	32	660502004	Screw (M5 x 8 mm, Pan Hd.)	4
11	636159001	E-Ring	1	33	312430001	Motor Assembly	1
12	635367001	Cap Washer.....	1	34	940657257	Warning Label (English).....	1
13	612313001	Sprocket.....	1	35	940657259	Warning Label (Spanish)	1
14	660610001	Screw (M4 x 9.5 mm)	2	36	636317001	Retaining Ring.....	1
15	309514001	Oil Pump Assembly.....	1	37	662053002	Screw (M5 x 22, T20 Torx Hd.).....	1
16	205021001	Front Handle and Motor Housing Assembly.....	1	38	340213002	Oil Cap Assembly.....	1
17	941588160	Data Label.....	1	39	390033001	Oil Tank Assembly.....	1
18	204591001	Housing Assembly (Incl. Key Nos. 17, 19 and 34-35).....	1	40	662114002	Screw (M4 x 6 mm)	1
19	940657258	Warning Label (French)	1	41	637723002	Guide Bar Plate	1
20	660608005	Screw (M4 x 21 mm, T20 Torx Hd.).....	1	42	694143001	Compression Spring (Trigger Lock).....	1
21	638988001	Washer (65 mm)	1				
22	940657256	Warning Icon Label (Bottom).....	1				

Not Shown:

995000208
6-21-17
(Rev:01)

Operator's Manual (960087177)

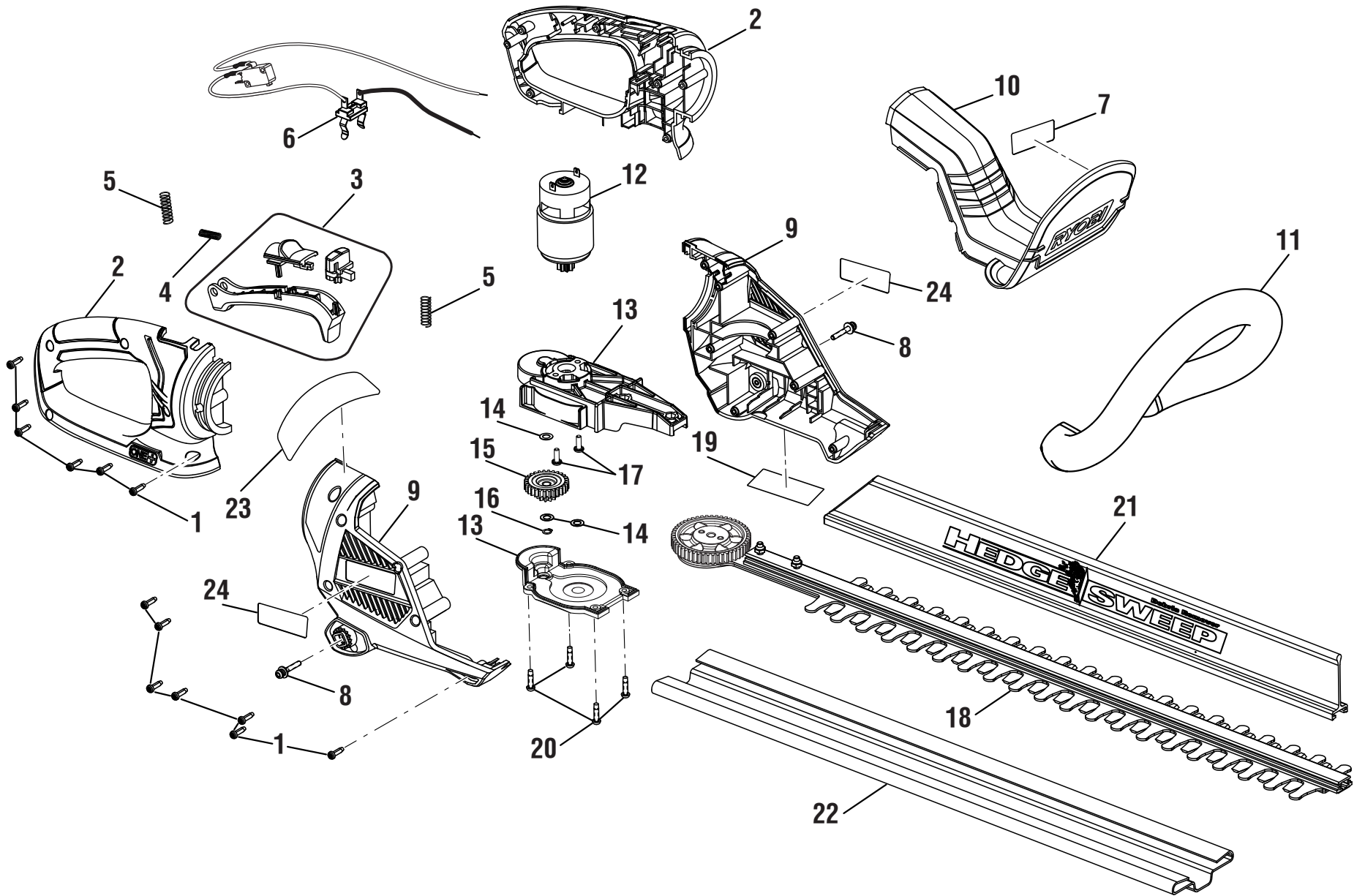
RYOBI CHAIN SAW – MODEL P548



WIRING DIAGRAM

**RYOBI 18 VOLT HEDGE TRIMMER
ITEM NO. P2606/P2606VNM
MFG NO. 107266001/107266101
REPAIR SHEET**

RYOBI 18 VOLT HEDGE TRIMMER – ITEM NO. P2606/P2606VNM



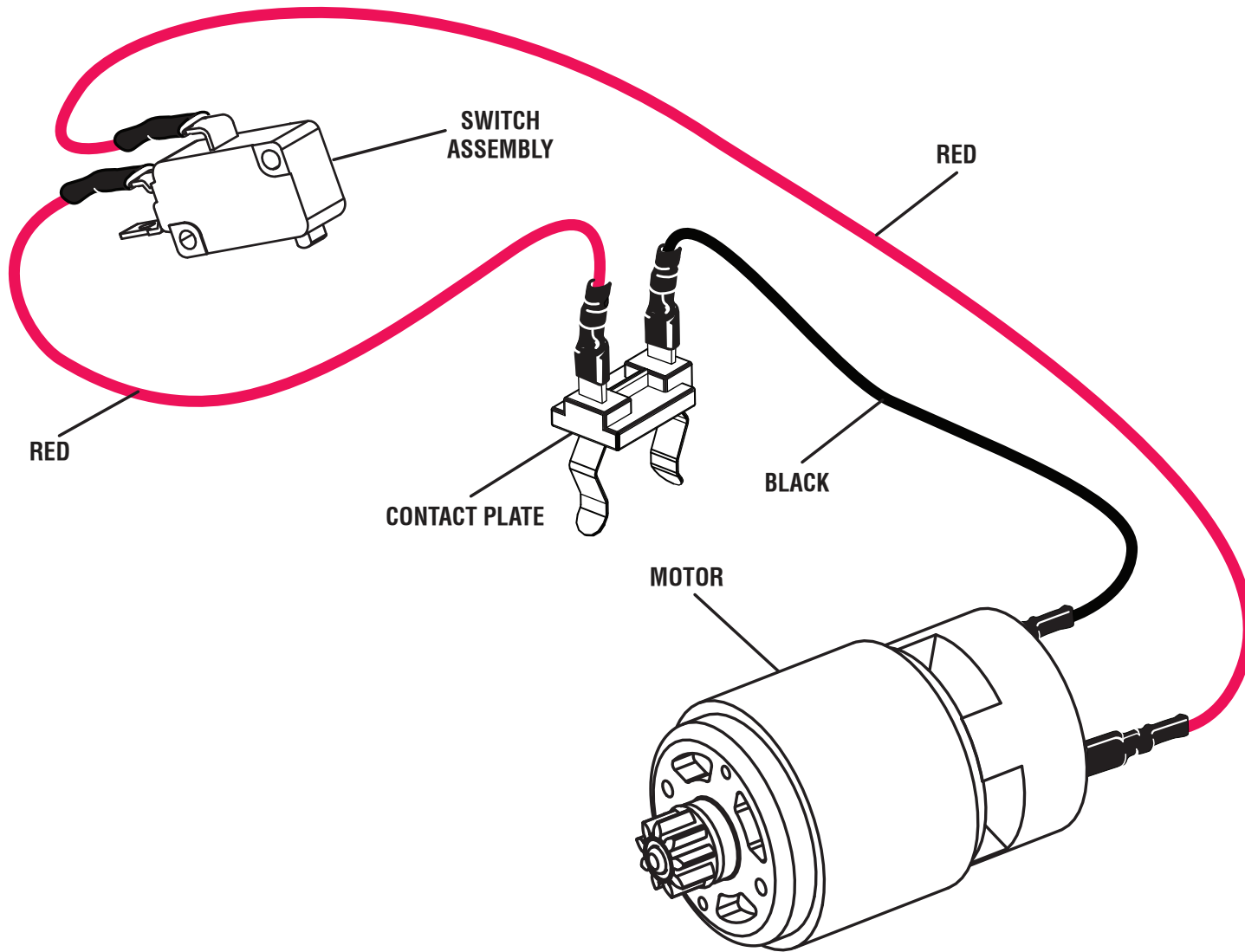
RYOBI 18 VOLT HEDGE TRIMMER – ITEM NO. P2606/P2606VNM

The item number and manufacturing number will be found on a label attached to the upper boom. Always mention the item number and manufacturing number in all correspondence regarding your **HEDGE TRIMMER** or when ordering replacement parts.

PARTS LIST

KEY NO.	PART NUMBER	DESCRIPTION	QTY
1	661817001	Screw (M4 x 14 mm, T15 Torx Pan Hd.).....	13
2	311825001	Handle Assembly.....	1
3	311829001	Trigger Assembly.....	1
4	679055007	Compression Spring.....	1
5	679055008	Compression Spring.....	2
6	311827001	Wiring Harness.....	1
7	940657182	Warning Icon Label.....	1
8	660137010	Screw w/Washers (M4 x 26 mm, T15 Torx Pan Hd.).....	2
9	311824001	Housing Assembly (Inc. Key Nos. 19, 23-24) (P2606).....	1
	316335001	Housing Assembly (Inc. Key Nos. 19, 23-24) (P2606VNM).....	1
10	311830001	Top Cover Assembly (Inc. Key No. 7).....	1
11	529546001	Front Handle.....	1
12	311828001	Motor and Pinion Assembly.....	1
13	307878001	Gear Box w/Cover Assembly.....	1
14	670914001	Washer (M6, OD11 x ID6.2 x 0.3t).....	3
15	610114001	Center Gear.....	1
16	670704001	Retaining Ring.....	1
17	660137001	Screw w/Tooth Washer (M4 x 12 mm, Pan Hd.).....	2
18	311826001	Blade Assembly.....	1
19	941588102	Data Label (P2606).....	1
	941588558	Data Label (P2606VNM).....	1
20	660208052	Screw (M4 x 16 mm, Pan Hd.).....	4
21	526799004	Hedge Sweep.....	1
22	525406005	Blade Shield.....	1
23	940851098	Rotating Handle Label.....	1
24	940705306	Logo Label.....	2
	Not Shown:		
	991000689	Operator's Manual	
	1-15-20		
	(Rev:02)		

RYOBI 18 VOLT HEDGE TRIMMER – ITEM NO. P2606/P2606VNM



WIRING DIAGRAM



OPERATOR'S MANUAL

MANUEL D'UTILISATION

MANUAL DEL OPERADOR

18 VOLT STRING TRIMMER/EDGER

18 V TAILLE-BORDURES À LIGNE/COUPE-BORDURES

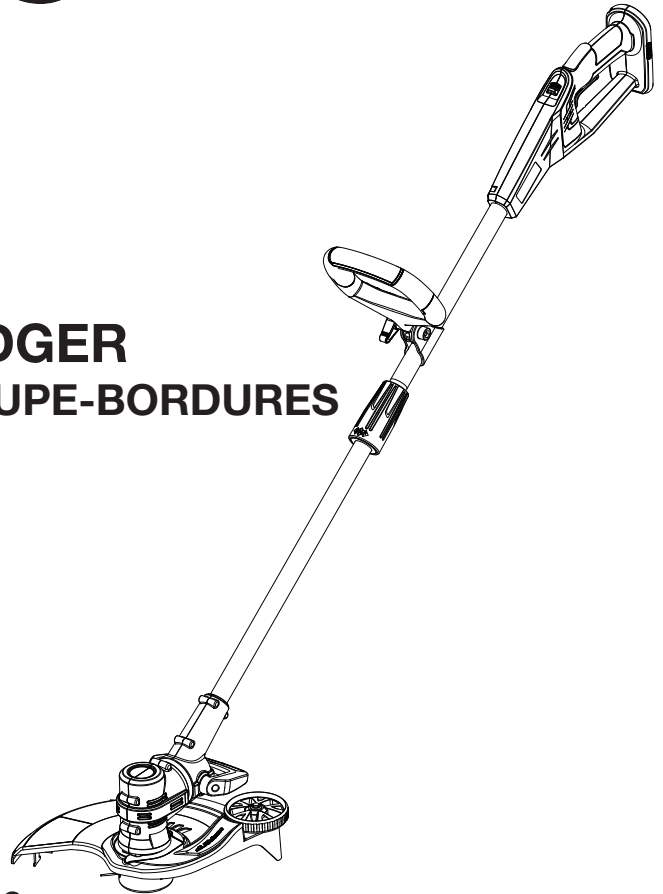
18 V RECORTADORA DE HILO/ RECORTADORA DE BORDES

P2008

ACCEPTS ALL ONE+ BATTERY PACKS
BATTERIES AND CHARGERS SOLD SEPARATELY

COMPATIBLE AVEC TOUS LE BLOC-PILES ONE+
PILE ET CHARGEUR VENDUS SÉPARÉMENT

ACEPTA TODOS LOS PAQUETES DE BATERÍAS ONE+
LAS BATERÍAS Y EL CARGADOR SE VENDEN POR SEPARADO



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

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

Thank you for your purchase.

SAVE THIS MANUAL FOR FUTURE REFERENCE

Le taille-bordures à ligne/coupe-bordures a été conçue et fabriquée conformément à nos strictes normes de fiabilité, simplicité d'emploi et sécurité d'utilisation. Correctement entretenue, elle vous donnera des années de fonctionnement robuste et sans problème.

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

Merci de votre achat.

Su recortadoras de hilo/recortadora de bordes ha sido diseñada y fabricada de conformidad con las estrictas normas para brindar fiabilidad, facilidad de uso y seguridad para el operador. Con el debido cuidado, le brindará muchos años de sólido y eficiente funcionamiento.

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

Le agradecemos su compra.

CONSERVER CE MANUEL POUR
FUTURE RÉFÉRENCE

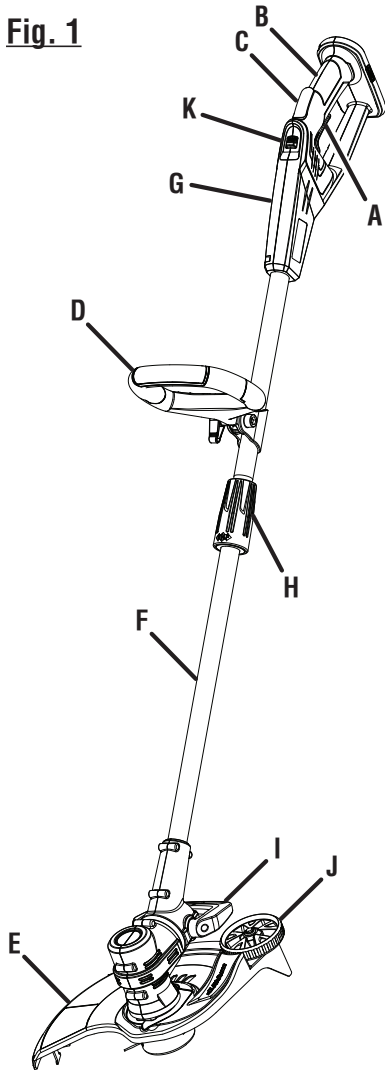
GUARDE ESTE MANUAL PARA
FUTURAS CONSULTAS

See this fold-out section for all the figures referenced in the operator's manual.

Voir que cette section d'encart pour toutes les figures a adressé dans le manuel d'utilisation.

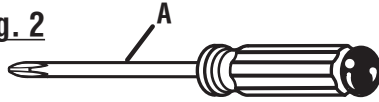
Vea esta sección de la página desplegable para todas las figuras mencionó en el manual del operador.

Fig. 1



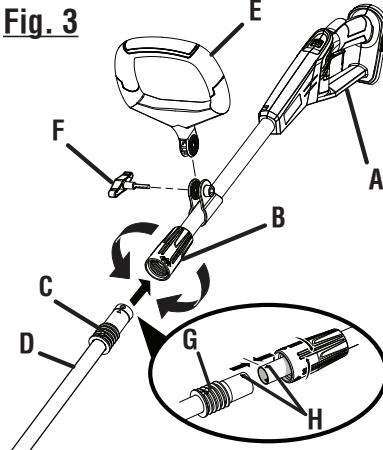
- A - Switch trigger (gâchette, gatillo del interruptor)
- B - Handle overmold (surmoulage de poignée, mangos sobremoldeado)
- C - Lock-out button (bouton de verrouillage, botón de seguro de seguro)
- D - Adjustable front handle (poignée avant réglable, mango delantero ajustable)
- E - Grass deflector (déflecteur d'herbe, deflector de hierba)
- F - Trimmer shaft (arbre du taille-bordures, eje de la recortadora)
- G - Power head (bloc moteur, cabezal motor)
- H - Coupler (coupleur, acoplador)
- I - Foot pedal (pédale de pied, pedal de pie)
- J - Edger wheel (roue de coupe-bordures, rueda de recortadora de bordes)
- K - Speed switch (interrupteur de vitesse, interruptor de velocidad)

Fig. 2



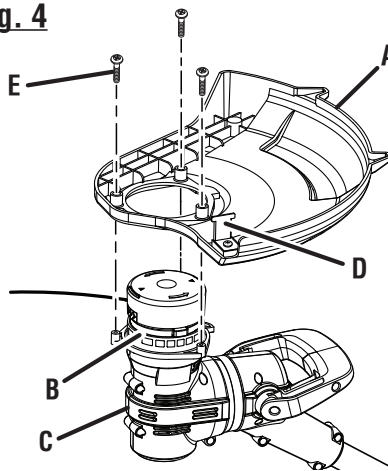
- A - Phillips screwdriver (tournevis phillips, destornillador phillips)

Fig. 3



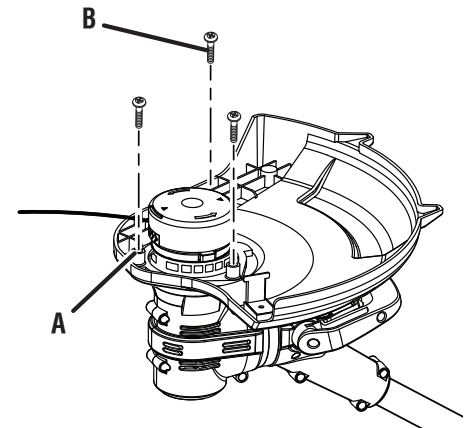
- A - Power head (bloc moteur, cabezal motor)
- B - Coupler (coupleur, acoplador)
- C - Attachment threaded base and plug (base filetée et bouchon, base roscada y tapón)
- D - Trimmer shaft (arbre du taille-bordures, eje de la recortadora)
- E - Front handle (poignée avant, mango delantero)
- F - Wing bolt (boulon à oreilles, perno de mariposa)
- G - Base (base, base)
- H - Arrow (flèche, flecha)

Fig. 4



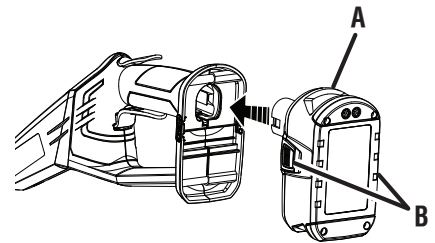
- A - Grass deflector (déflecteur d'herbe, deflector de hierba)
- B - String head (tête de ligne, cabezal del línea)
- C - Motor housing (boîtier du moteur, alojamiento del motor)
- D - Line cut-off blade (lame de sectionnement de ligne, cuchilla de corte del hilo)
- E - Screws (vis, tornillos)

Fig. 5



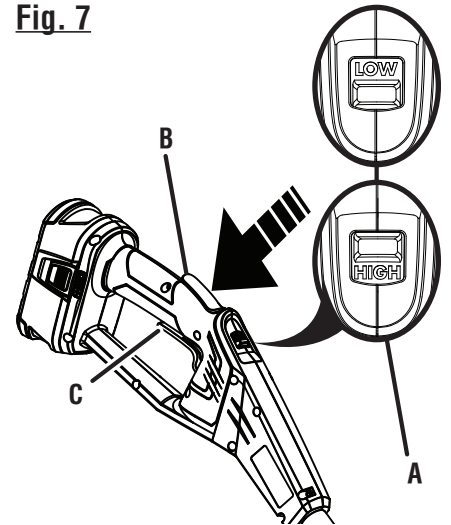
- A - Screw holes (orifices de las vis, agujeros del tornillo)
- B - Screws (vis, tornillos)

Fig. 6



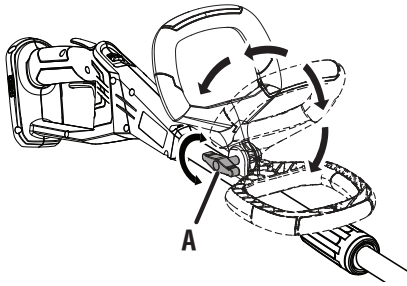
- A - Battery pack (bloc-piles, paquete de baterías)
- B - Latch (loquet, pestillo)

Fig. 7



- A - Speed switch (interrupteur de vitesse, interruptor de velocidad)
- B - Lock-out button (bouton de verrouillage, botón de seguro de seguro)
- C - Switch trigger (gâchette, gatillo del interruptor)

Fig. 8



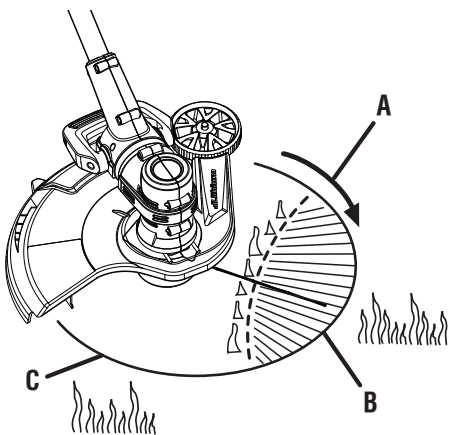
A - Knob (bouton, perilla)

Fig. 9

**PROPER TRIMMER OPERATING POSITION
TAILLE-BORDURE POSITION DE TRAVAIL
POSICIÓN CORRECTA PARA EL MANEJO
PARA RECORTAR**

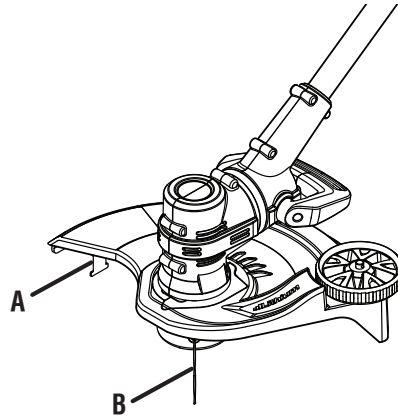


Fig. 10



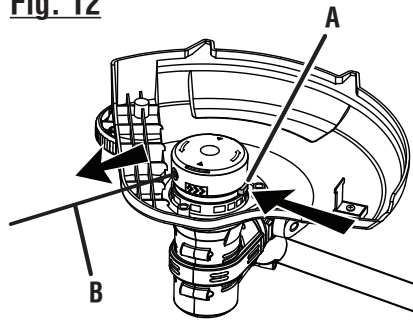
A - Direction of rotation (sens de rotation, sentido de la rotación)
B - Best cutting area (d'efficacité, área de corte óptima)
C - Dangerous cutting area (zone de coup dangereuse, área de corte peligrosa)

Fig. 11



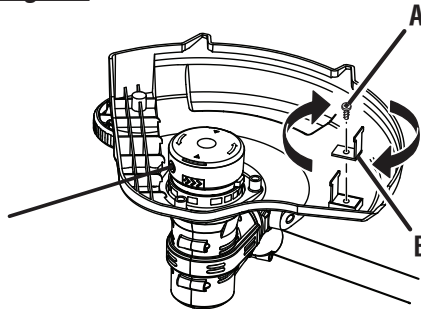
A - Line cut-off blade (lame coupe-ligne, cuchilla de corte)
B - Line (ligne, línea)

Fig. 12



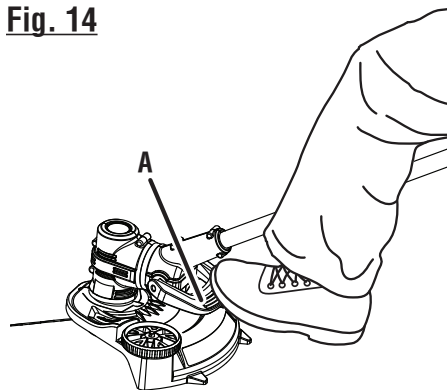
A - Black button (bouton noir, botón negro)
B - Line (ligne, línea)

Fig. 13



A - Screw (vis, tornillo)
B - Line cut-off blade (lame coupe-ligne, cuchilla de corte)

Fig. 14



A - Foot pedal (pédale de pied, pedal de pie)

Fig. 15

**PROPER EDGING OPERATING POSITION
POSITION D'UTILISATION CORRECTE
POUR COUPE-BORDURES
POSICIÓN CORRECTA PARA EL MANEJO
DE LA CORTAR BORDES**

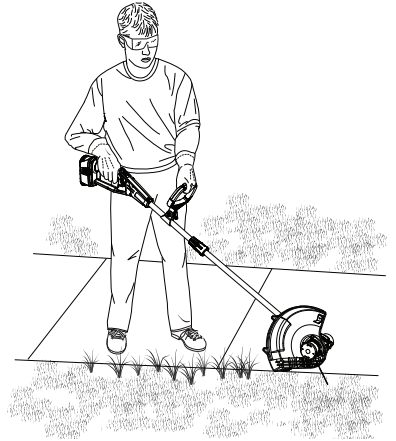
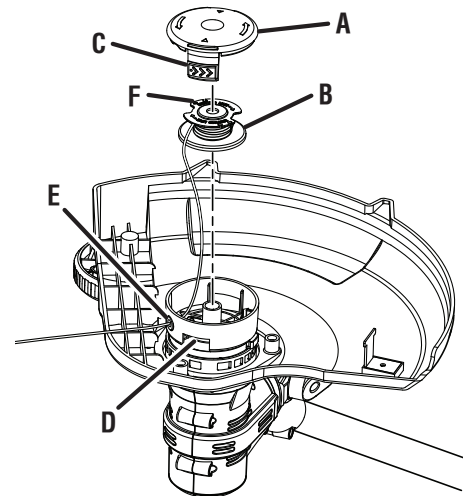


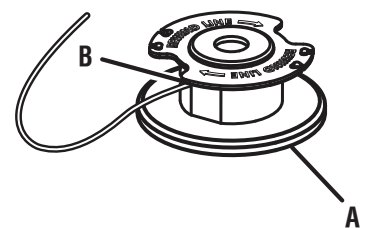
Fig. 16



A - Spool retainer (retenue de bobine, retén del carrete)
B - Spool (bobine, carrete)
C - Tabs (languettes, pestañas)
D - Slot (fente, ranura)
E - Eyelet (trou, agujero)
F - Slot (fente, ranura)

Fig. 17

**WIND CLOCKWISE
ENROULER DANS LE SENS HORAIRE
ENROLLE HACIA LA DERECHA**



A - Spool (bobine, carrete)
B - Hole (trou, agujero)

TABLE OF CONTENTS

TABLE DES MATIÈRES / ÍNDICE DE CONTENIDO

■ Introduction	2
Introduction / Introducción	
■ Important Safety Instructions	3-4
Instructions importantes concernant la securite / Instrucciones de seguridad importantes	
■ Symbols.....	5
Symboles / Símbolos	
■ Features.....	6
Caractéristiques / Características	
■ Assembly	6-7
Assemblage / Armado	
■ Operation.....	8-9
Utilisation / Funcionamiento	
■ Maintenance	10-11
Entretien / Mantenimiento	
■ Troubleshooting	11
Dépannage / Corrección de problemas	
■ Warranty	12
Garantie / Garantía	
■ Parts Ordering and Service	Back Page
Commande de pièces et réparation / Pedidos de piezas y servicio	Page arrière / Pág. posterior

INTRODUCTION

INTRODUCTION / INTRODUCCIÓN

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

* * *

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

* * *

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

IMPORTANT SAFETY INSTRUCTIONS

WARNING!

When using electric gardening appliances, basic safety precautions should always be followed to reduce the risk of fire, electric shock and personal injury.

READ ALL INSTRUCTIONS




- For safe operation, read and understand all instructions before using this product. Follow all safety instructions. Failure to follow all safety instructions listed below, can result in serious personal injury.
- Do not allow children or untrained individuals to use this unit.
- Check the work area before each use. Remove all objects such as rocks, broken glass, nails, wire, or string which can be thrown or become entangled in the machine.
- Always wear eye protection with side shields marked to comply with ANSI Z87.1. Following this rule will reduce the risk of serious personal injury.
- Use Safety Glasses – Wear a face or dust mask if the operation is dusty. 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.
- Protect your lungs. Wear a face or dust mask if the operation is dusty. Following this rule will reduce the risk of serious personal injury.
- Dress Properly – Do not wear loose clothing or jewelry. They can be caught in moving parts. Use of rubber gloves and substantial footwear is recommended when working outdoors. Wear heavy, long pants, long sleeves, boots, and gloves. Do not wear short pants, sandals, or go barefoot. Do not wear jewelry of any kind.
- Secure long hair above shoulder level to prevent entanglement in moving parts.
- Keep children away - Keep all bystanders, children, and pets at least 50 ft. away.
- Stay alert - Watch what you are doing. Use common sense. Do not operate this unit when you are tired, ill, or under the influence of alcohol, drugs, or medication.
- Do not operate in poor lighting.
- Keep all parts of your body away from any moving part.
- Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust. Power tools create sparks which may ignite the dust or fumes.
- Avoid body contact with grounded surfaces such as pipes, radiators, ranges, and refrigerators. There is an increased risk of electric shock if your body is grounded.
- Avoid Dangerous Environments - Don't expose appliance or string trimmer to rain or wet conditions. Water entering an appliance or string trimmer will increase the risk of electric shock.
- Use Right Appliance - Do not force tool. Use the correct tool for your application. The correct tool will do the job better and safer at the rate for which it is designed.
- Don't Force Appliance – It will do the job better and with less likelihood of a risk of injury at the rate for which it was designed.
- 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 overreach - Keep firm footing and balance. Overreaching can result in loss of balance.
- Avoid accidental starting - Be sure switch trigger is in the locked or off position before inserting battery pack. Carrying tools with your finger on the switch trigger or inserting the battery pack into a tool with the switch on invites accidents.
- Do not use tool if switch trigger does not turn it on or off. Any tool that cannot be controlled with the switch trigger is dangerous and must be repaired.
- Disconnect battery pack - Disconnect battery pack from the appliance before servicing or changing accessories such as cutting line. Such preventive safety measures reduce the risk of starting the tool accidentally.
- Use only identical manufacturer's replacement parts and accessories. Use of any other parts may create a hazard or cause product damage.
- Maintain appliance with care - Replace string head if cracked, chipped, or damaged in any way. Be sure the string head is properly installed and securely fastened. Failure to do so can cause serious injury. Keep handles dry, clean and free from oil and grease.
- Check for damaged parts - Before further use of the tool, any part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function. Check for alignment of moving parts, binding of moving parts, breakage of parts, mounting, and any other conditions that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced by an authorized service dealer.
- Make sure all guards, straps, deflectors and handles are properly and securely attached.

IMPORTANT SAFETY INSTRUCTIONS










- Use only the manufacturer's replacement line in the cutting head. Do not use any other cutting attachment, for example, metal wire, rope, or the like. To install any other brand of cutting head to this string trimmer can result in serious personal injury.
- Never operate unit without the grass deflector in place and in good condition.
- Maintain a firm grip on both handles while trimming. Keep string head below waist level. Never cut with the string head located over 30 in. or more above the ground.
- Store idle appliances indoors - When not in use, string trimmer should be stored indoors in a dry, locked place out of the reach of children.
- Never use blades, flailing devices, wire or rope. Unit is designed for line trimmer use only. Use of any other accessories or attachments will increase the risk of injury.
- Inspect area to be cut. Remove objects (rocks, broken glass, nails, wire, string, etc.) which can be thrown or become entangled in cutting head.
- Keep the air vents clean and free of debris to avoid overheating the motor. Clean after each use.
- Stop the unit and disconnect the power source when not in use. Carry the unit with the motor stopped.
- Store out of the reach of children.
- Do not hang unit so that the switch trigger is depressed.
- Battery tools do not have to be plugged into an electrical outlet; therefore, they are always in operating condition. Be aware of possible hazards when not using your battery tool or when changing accessories. Always engage the lock-out lever before placing the trimmer on the wall-mounted charger. Following this rule will reduce the risk of electric shock, fire, or serious personal injury.
- Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help. Liquid ejected from the battery may cause irritation or burns.
- Do not use a battery pack or appliance that is damaged or modified. Damaged or modified batteries may exhibit unpredictable behavior resulting in fire, explosion or risk of injury.
- Do not expose a battery pack or appliance to fire or excessive temperature. Exposure to fire or temperature above 265°F may cause explosion.
- Do not charge battery tool in rain, or damp or wet location. Following this rule will reduce the risk of electric shock.
- Do not use battery-operated appliance in rain.
- Remove or disconnect battery when not charging, and before servicing, cleaning, removing material from the gardening appliance, or storing.
- Use battery only with charger listed. For use with 18V nickel-cadmium and lithium-ion battery packs. See Tool/Appliance/Battery Pack/Charger Correlation Supplement 987000-432.
- Do not dispose of the batteries in a fire. The cell may explode. Check with local codes for possible special disposal instructions.
- Do not open or mutilate the batteries. Released electrolyte is corrosive and may cause damage to the eyes or skin. It may be toxic if swallowed.
- Do not place battery tools or their batteries near fire or heat. This will reduce the risk of explosion and possibly injury.
- Batteries can explode in the presence of a source of ignition, such as a pilot light. To reduce the risk of serious personal injury, never use any cordless product in the presence of open flame. An exploded battery can propel debris and chemicals. If exposed, flush with water immediately.
- Do not crush, drop or damage battery pack. Do not use a battery pack or charger that has been dropped or received a sharp blow. A damaged battery is subject to explosion. Properly dispose of a dropped or damaged battery immediately.
- For best results, your battery tool should be charged in a location where the temperature is more than 50°F but less than 100°F. To reduce the risk of serious personal injury, do not store outside or in vehicles.
- Under extreme usage or temperature conditions, battery leakage may occur. If liquid comes in contact with your skin, wash immediately with soap and water. If liquid gets into your eyes, flush them with clean water for at least 10 minutes, then seek immediate medical attention. Following this rule will reduce the risk of serious personal injury.
- Save these instructions. Refer to them frequently and use them to instruct others who may use this power tool. If you loan someone this power tool, loan them these instructions also.

SYMBOLS

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

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

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

SYMBOL	NAME	DESIGNATION/EXPLANATION
	Safety Alert	Indicates a potential personal injury hazard.
	Read Operator's Manual	To reduce the risk of injury, user must read and understand operator's manual before using this product.
	Eye Protection	Always wear eye protection with side shields marked to comply with ANSI Z87.1.
	Wet Conditions Alert	Do not expose to rain or use in damp locations.
	Keep Bystanders Away	Keep all bystanders at least 50 ft. away.
	Ricochet	Thrown objects can ricochet and result in personal injury or property damage.
	No Blade	Do not install or use any type of blade on a product displaying this symbol.
	Recycle Symbols	This product uses lithium-ion (Li-ion) and nickel-cadmium (Ni-Cd) batteries. Local, state, or federal laws may prohibit disposal of batteries in ordinary trash. Consult your local waste authority for information regarding available recycling and/or disposal options.
	Direct Current	Type or a characteristic of current
n_0	No Load Speed	Rotational speed, at no load
.../min	Per Minute	Revolutions, strokes, surface speed, orbits etc., per minute
V	Volts	Voltage
Hz	Hertz	Frequency (cycles per second)
min	Minutes	Time

FEATURES

PRODUCT SPECIFICATIONS

Motor..... 18 Volt DC
Cutting Swath..... 11 in. / 13 in.

Line Size..... 0.065 in. diameter round or twisted or
0.080 in. diameter twisted

KNOW YOUR STRING TRIMMER/EDGER

See Figure 1.

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

ADJUSTABLE CUTTING DIAMETER

The cutting diameter is adjustable from 11 in. and 13 in. by rotating the line cutoff blade.

ADJUSTABLE FRONT HANDLE

The front handle assembly can be adjusted for ease of operation and to help prevent loss of control.

EDGER WHEEL

The edger wheel allows for more stable cutting performance while edging.

GRASS DEFLECTOR

The trimmer includes a grass deflector that helps protect from flying debris.

HANDLE OVERMOLD

Handle overmold provides added user comfort.

LOCK-OUT BUTTON

The lock-out button prevents accidental starting.

ROTATING TRIMMER HEAD

The rotating trimmer head can be locked in two different positions for ease of use when edging and trimming.

SPEED SWITCH

This tool has a speed selector that allows the operator to choose between and HIGH and LOW speeds. Using low speed during operation can help extend battery run time, while using high speed will improve power and performance.

VARIABLE SPEED SWITCH TRIGGER

This tool has a variable speed switch that delivers higher speed with increased trigger pressure. Speed is controlled by the amount of switch trigger depression.

ASSEMBLY

UNPACKING

This product requires assembly.

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

WARNING:

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

- Inspect the product carefully to make sure no breakage or damage occurred during shipping.
- Do not discard the packing material until you have carefully inspected and satisfactorily operated the product.

- If any parts are damaged or missing, please call 1-800-860-4050 for assistance.

PACKING LIST

Power Head
Adjustable Front Handle
String Trimmer/Edger Attachment
Grass Deflector
Operator's Manual

WARNING:

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

ASSEMBLY

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 remove the battery pack from the product when assembling parts.

TOOLS NEEDED

See Figure 2.

The following tool (not included or drawn to scale) is needed for assembly:

- Phillips screwdriver

ATTACHING THE FRONT HANDLE

See Figure 3.

- Loosen and remove the wing bolt from the handle.
- Install the handle on the rear handle pole in the area indicated by the illustration.
- Adjust handle up or down, if necessary, to desired operating position.
- Reinstall the wing bolt. Tighten wing bolt to secure.

CONNECTING THE POWER HEAD TO THE ATTACHMENT

See Figure 3.

WARNING:

Never install, remove, or adjust any attachment while power head is running or with the battery pack installed. Failure to stop the motor or remove the battery pack can result in serious personal injury.

The attachment connects to the power head by means of a coupler device.

- Remove the battery pack if installed.
- Align the arrows on the string trimmer/edger attachment and the power head. Insert the plug on the string trimmer/edger attachment into the opening on the power head coupler. Make sure the plug is fully seated.
- Slide the threaded coupler on the power head onto the threaded base on the attachment and turn the coupler clockwise. Tighten securely.

NOTE: Once assembled correctly, the string trimmer/edger attachment and power head should not separate when pulled. Repeat above steps if pieces can be separated.

WARNING:

Failure to secure the string trimmer/edger attachment and power head as instructed above could result in serious personal injury.

REMOVING THE ATTACHMENT FROM THE POWER HEAD

- Remove the battery pack.
- Turn the coupler counterclockwise to unlock. Then remove the trimmer shaft from the power head.

ATTACHING GRASS DEFLECTOR

See Figures 4 - 5.

WARNING:

The line cut-off blade on the grass deflector is sharp. Avoid contact with the blade. Failure to avoid contact can result in serious personal injury.

- Remove the battery pack.
- Remove the plastic hardware bag from the grass deflector.
- Fit the grass deflector into the slots on trimmer head.
- Line up the screw holes in the grass deflector with the holes in the motor housing.
- Install supplied screws and tighten by turning clockwise with a phillips screwdriver.

OPERATION

WARNING:

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

WARNING:

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

WARNING:

Never use blades, flailing devices, wire, or rope on this product. Do not use any attachments or accessories not recommended by the manufacturer of this product. The use of attachments or accessories not recommended can result in serious personal injury.

NOTICE:

Before each use, inspect the entire product for damaged, missing, or loose parts such as screws, nuts, bolts, caps, etc. Tighten securely all fasteners and caps and do not operate this product until all missing or damaged parts are replaced. Please call 1-800-860-4050 or contact an authorized service center for assistance.

This product will accept Ryobi One+ 18 V lithium-ion battery packs and Ryobi One+ 18 V nickel-cadmium battery packs.

For complete charging instructions, refer to the Operator's Manuals for your Ryobi One+ battery pack and charger models.

BATTERY PROTECTION FEATURES

Ryobi lithium-ion batteries are designed with features that protect the lithium-ion cells and maximize battery life.

If the tool stops during use, release the trigger to reset and resume operation. If the tool still does not work, the battery needs to be recharged.

WARNING:

Always remove battery pack from your tool when you are assembling parts, making adjustments, cleaning, or when not in use. Removing battery pack will prevent accidental starting that could cause serious personal injury.

TO INSTALL BATTERY PACK

See Figure 6.

- Insert the battery pack into the product as shown.
- Make sure the latches on each side of the battery pack snap into place and the battery pack is secured before beginning operation.

TO REMOVE BATTERY PACK

See Figure 6.

- Depress the latches on each side of the battery pack.
- Remove battery pack from the trimmer.

WARNING:

To avoid serious personal injury, always remove the battery pack and keep hands clear of the lock-out button when carrying or transporting the tool.

STARTING/STOPPING THE STRING TRIMMER

See Figure 7.

To start:

- Select the desired operating speed (HIGH or LOW).
- Press and hold the lock-out button.
- Depress the switch trigger.

To stop:

- Release the switch trigger to stop the string trimmer.
- Upon release of the switch trigger, the lock-out button will automatically reset to the locked position.

ADJUSTABLE FRONT HANDLE

See Figure 8.

The angle of the front handle can be adjusted 180°.

- Remove the battery pack.
- Set the trimmer on a flat surface and turn the knob counterclockwise to loosen the handle.
- For trimming, adjust the handle upward.
- For edging, adjust the handle downward.
- Turn the knob clockwise until the handle is securely tightened before reinstalling the battery pack.

OPERATING THE TRIMMER

See Figure 9.

Follow these tips when using the string trimmer:

- Hold the trimmer with your right hand on the rear handle and your left hand on the front handle.
- Keep a firm grip with both hands while in operation.
- Trimmer should be held at a comfortable position with the rear handle about hip height.

OPERATION

- Cut tall grass from the top down. This will prevent grass from wrapping around the boom housing and string head which may cause damage from overheating.

If grass becomes wrapped around the string head:

- Remove the battery pack.
- Remove the grass.

WARNING:

Always hold the string trimmer away from the body keeping clearance between the body and the string trimmer. Any contact with the string trimmer cutting head while operating can result in serious personal injury.

CUTTING TIPS

See Figures 10 - 11.

- Keep the trimmer tilted toward the area being cut; this is the best cutting area.
- The string trimmer cuts when passing the unit from right to left. This will avoid throwing debris at the operator. Avoid cutting in the dangerous area shown in figure 10.
- Use the tip of the line to do the cutting; do not force string head into uncut grass.
- Wire and picket fences cause extra line wear, even breakage. Stone and brick walls, curbs, and wood may wear line rapidly.
- Avoid trees and shrubs. Tree bark, wood moldings, siding, and fence posts can easily be damaged by the line.

ADVANCING LINE

NOTE: The trimmer is equipped with an auto-feed head. Bumping the head to try to advance the line will damage the trimmer and void the warranty.

- With the trimmer running, release the switch trigger.
- Wait two seconds, and press the switch trigger.

NOTE: The line will extend approximately 1/4 in. with each stop and start of the switch trigger until the line reaches the length of the grass deflector cut-off blade.

- Resume trimming.

ADVANCING THE LINE MANUALLY

See Figure 12.

- Remove the battery pack.
- Push the black button located on the string head while pulling on line to manually advance the line.

LINE CUT-OFF BLADE

See Figure 13.

This trimmer is equipped with a line cut-off blade on the grass deflector. For best cutting, advance line until it is trimmed to length by the line cut-off blade. Advance line whenever you hear the engine running faster than normal, or when trimming efficiency diminishes. This will maintain best performance and keep line long enough to advance properly.

This trimmer is currently set at the 11 in. cutting swath. To adjust to a cutting swath of 13 in.:

- Remove the battery pack.
- Loosen the blade screw then rotate the line cut-off blade 180°.
- Tighten the blade screw.

EDGING

See Figures 14 - 15.

- Remove the battery pack.
- Step down on the foot pedal.
- Rotate the trimmer head counterclockwise placing the tool in the edger position.

WARNING:

Always hold the string trimmer away from the body keeping clearance between the body and the string trimmer. Any contact with the string trimmer cutting head while operating can result in serious personal injury.

WARNING:

Never stand directly in the path of the cutting line while edging. Always stand to the left of the grass deflector to avoid thrown debris, which could result in serious personal injury.

MAINTENANCE

WARNING:

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

WARNING:

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

WARNING:

To avoid serious personal injury, always remove the battery pack from the tool when cleaning or performing any maintenance.

NOTICE:

Periodically inspect the entire product for damaged, missing, or loose parts such as screws, nuts, bolts, caps, etc. Tighten securely all fasteners and caps and do not operate this product until all missing or damaged parts are replaced. Please call 1-800-860-4050 or contact an authorized service center for assistance.

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.

WARNING:

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

Only the parts shown on the parts list are intended to be repaired or replaced by the customer. All other parts should be replaced at an authorized service center.

SPOOL REPLACEMENT

See Figure 16.

Use only 0.065 in. diameter round or twisted or 0.080 in. diameter twisted line. Use original manufacturer's replacement line for best performance.

- Remove the battery pack.
- Push in tabs on side of spool retainer.
- Pull spool retainer up to remove.
- Remove the old spool.
- To install the new spool, make sure the line is captured in the slot on the new spool. Make sure the end of the line is extended approximately 6 in. beyond the slot.
- Install the new spool so that the line and slot align with the eyelet in the string head. Thread the line into the eyelet.
- Pull the line extending from the string head so the line releases from the slot in the spool.
- Reinstall the spool retainer by depressing tabs into slots and pushing down until spool retainer clicks into place.

LINE REPLACEMENT

See Figures 16 - 17.

- Remove the battery pack.
- Remove the spool from the string head.
NOTE: Remove any old line remaining on the spool.
- Cut a piece of line approximately 9 ft. long. Use only 0.065 in. diameter round or twisted or 0.080 in. diameter twisted line.
- Insert the line into the anchor hole in the upper part of the spool. Wind the line around the upper part of the spool clockwise, as shown by the arrows on the spool. Place line in the slot on upper spool flange, leaving about 6 in. extended beyond the slot. Do not overfill. After winding the line, there should be at least 1/4 in. between the wound line and the outside edge of the spool.
- Replace the plastic retainer, spool, and the spool retainer. Refer to **Spool Replacement** earlier in this manual.

MAINTENANCE

STORING THE TRIMMER

- Remove the battery pack from the string trimmer before storing.
- Clean all foreign material from the trimmer.
- Store it in a place that is inaccessible to children.
- Keep away from corrosive agents such as garden chemicals and de-icing salts.

REPLACEMENT PARTS

Replacement Spool Part Number AC14RSLA
 Replacement Spool Cap Part Number.....AC14HCA

TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	SOLUTION
Line will not advance when using the auto-feed head	Line is welded to itself.	Lubricate with silicone spray.
	Not enough line on spool.	Install more line. Refer to Line Replacement earlier in this manual.
	Line is worn too short.	Pull line while pressing button.
	Line is tangled on spool.	Remove line from spool and rewind. Refer to Line Replacement earlier in this manual.
Grass wraps around boom housing and string head	Cutting tall grass at ground level.	Cut tall grass from the top down to prevent wrapping.
Motor fails to start when switch trigger is depressed	Battery is not secure.	To secure the battery pack, make sure the latch on the bottom of the battery pack is snapped into place.
	Battery is not charged.	Charge the battery pack according to the instructions included with your model.
	Shaft not connected completely.	Make sure shaft trimmer is securely seated in the coupler on the power head.



CALL US FIRST

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

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

WARRANTY

LIMITED WARRANTY STATEMENT

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

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

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

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

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

This warranty is limited to ninety (90) days from the date of original retail purchase for any RYOBI™ brand outdoor product that is used for rental or commercial purposes, or any other income-producing purpose.

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

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

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

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

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

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

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



OPERATOR'S MANUAL

MANUEL D'UTILISATION / MANUAL DEL OPERADOR

18 VOLT STRING TRIMMER/EDGER

18 V TAILLE-BORDURES À LIGNE/COUPE-BORDURES

18 V RECORTADORA DE HILO/RECORTADORA DE BORDES

P2008

CALIFORNIA PROPOSITION 65

⚠ WARNING:

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

PROPOSITION 65 DE LA CALIFORNIE

⚠ AVERTISSEMENT :

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

CALIFORNIA - PROPUESTA DE LEY NÚM. 65

⚠ ADVERTENCIA:

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

RYOBI is a trademark of Ryobi Limited and is used pursuant to a license granted by Ryobi Limited. RYOBI est une marque de RYOBI Limited et est utilisée en vertu d'une licence accordée par Ryobi Limited. RYOBI es una marca de Ryobi Limited y se utiliza conforme a una licencia otorgada por Ryobi Limited.

• PARTS AND SERVICE

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

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

• HOW TO OBTAIN REPLACEMENT PARTS:

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

• HOW TO LOCATE AN AUTHORIZED SERVICE CENTER:

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

• HOW TO OBTAIN CUSTOMER OR TECHNICAL SUPPORT:

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

• • • • •

• PIÈCES ET SERVICE

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

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

• COMMENT OBTENIR LES PIÈCES DE REMPLACEMENT :

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

• COMMENT TROUVER UN CENTRE DE SERVICE AUTORISÉ :

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

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

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

• • • • •

• PIEZAS DE REPUESTO Y SERVICIO

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

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

• CÓMO OBTENER PIEZAS DE REPUESTO:

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

• CÓMO LOCALIZAR UN CENTRO DE SERVICIO AUTORIZADO:

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

• CÓMO OBTENER SERVICIO O ASISTENCIA TÉCNICA AL CONSUMIDOR:

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

TECHTRONIC INDUSTRIES POWER EQUIPMENT

1428 Pearman Dairy Road, Anderson, SC 29625 USA
1-800-860-4050 • www.ryobitools.com



OPERATOR'S MANUAL

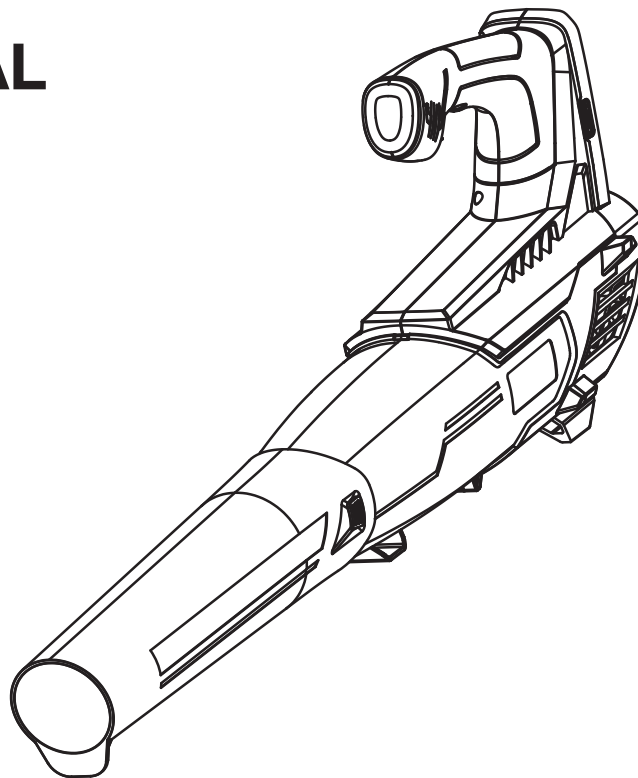
MANUEL D'UTILISATION

MANUAL DEL OPERADOR

18 VOLT ONE+ BLOWER

SOUFFLANTE DE 18 V ONE+ SOPLADORA DE 18 V ONE+

P2108/P21081



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

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

Thank you for your purchase.

SAVE THIS MANUAL FOR FUTURE REFERENCE

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

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

Merci de votre achat.

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

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

Le agradecemos su compra.

**CONSERVER CE MANUEL POUR
FUTURE RÉFÉRENCE**

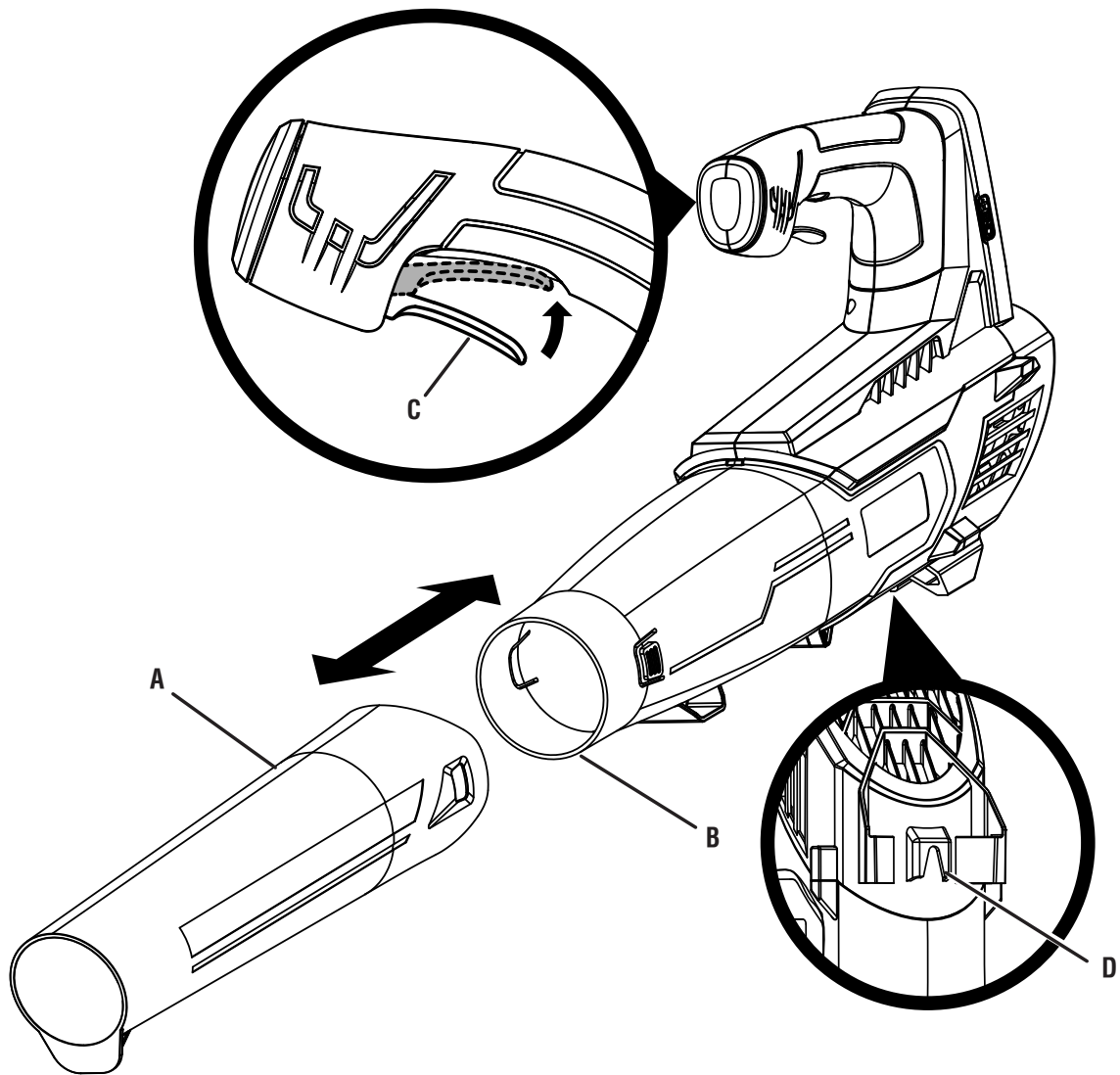
**GUARDE ESTE MANUAL PARA
FUTURAS CONSULTAS**

**See this fold-out section for all of the figures
referenced in the operator's manual.**

**Consulter l'encart à volets afin d'examiner toutes les figures
mentionnées dans le manuel d'utilisation.**

**Consulte esta sección desplegable para ver todas las figuras
a las que se hace referencia en el manual del operador.**

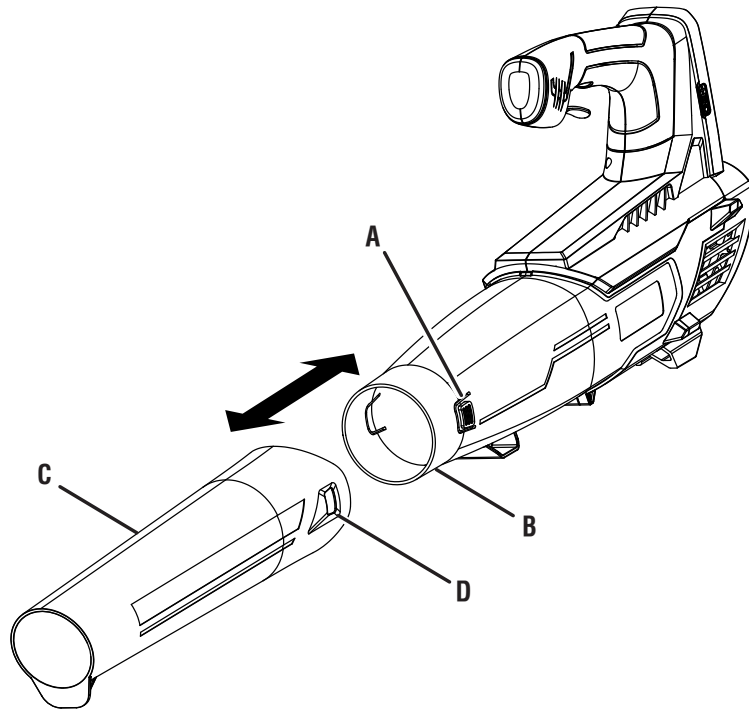
Fig. 1



A - Blower tube (tube de soufflante, tubo de la sopladora)
B - Blower housing outlet (prise de boîtier de soufflante, salida del alojamiento de la sopladora)

C - Variable speed switch trigger (gâchette à variation de vitesse, gatillo del interruptor de velocidad variable)
D - Keyhole hanger (suspension de trou clé, soporte bocallave)

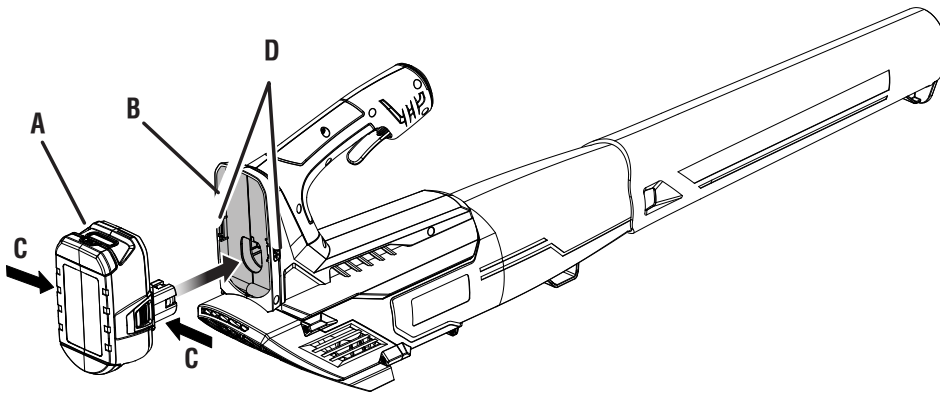
Fig. 2



A - Tab (languette, orejeta)
B - Blower housing outlet (prise de boîtier de soufflante, salida del alojamiento de la sopladora)

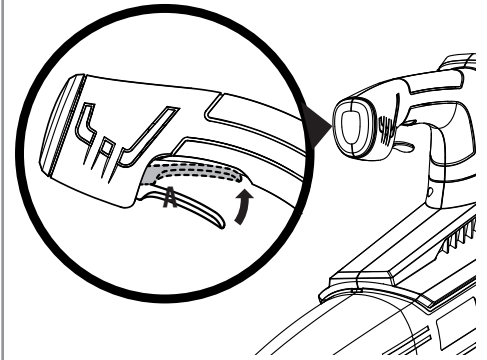
C - Blower tube (tube de soufflante, tubo de la aspiradora)
D - Slot (fente, ranura)

Fig. 3



A - Battery pack (bloc-piles, paquete de baterías)
B - Battery port (logement de batteries, receptáculo para baterías)
C - Latch (loquet, pestillo)
D - Raised rib (épaulements surélevés, costillas realzadas)

Fig. 4



A - Switch trigger (gâchette, gatillo)

Fig. 5

**PROPER OPERATING POSITION
BONNE POSITION DE TRAVAIL
POSICIÓN CORRECTA PARA EL MANEJO
DE LA HERRAMIENTA**



TABLE OF CONTENTS

TABLE DES MATIÈRES / ÍNDICE DE CONTENIDO

■ Introduction.....	2
Introduction / Introducción	
■ Important Safety Instructions	3-4
Règles de sécurité importantes / Instrucciones importantes de seguridad	
■ Symbols	5-6
Symboles / Símbolos	
■ Features	6
Caractéristiques / Características	
■ Assembly	7
Assemblage / Armado	
■ Operation	8-9
Utilisation / Funcionamiento	
■ Maintenance	9
Entretien / Mantenimiento	
■ Warranty	10
Garantie / Garantía	
■ Parts Ordering and Service	Back Page
Commande de pièces et réparation / Pedidos de piezas y servicio.....	Page arrière / Pág. posterior

INTRODUCTION

INTRODUCTION / INTRODUCCIÓN

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

* * *

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

* * *

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

IMPORTANT SAFETY INSTRUCTIONS

When using an electrical appliance, basic precautions should always be followed, including the following:

WARNING!

READ AND UNDERSTAND ALL INSTRUCTIONS BEFORE USING THIS BLOWER. To reduce the risk of electric shock, fire and/or serious personal injury.

- **Know your power blower. Read operator's manual carefully. Learn its applications and limitations, as well as the specific potential hazards related to this blower.** Following this rule will reduce the risk of electric shock, fire, or serious injury.
- **Do not permit children to use blower.** It is not a toy. Close attention is necessary when used near children.
- **Use only accessories that are recommended by the manufacturer for your model described in this manual.** Accessories that may be suitable for one blower may create a risk of injury when used on another blower. Use only as described in this manual.
- **Do not handle charger, including charger plug, and charger terminals with wet hands.**
- **Do not put any object into openings. Do not use with any opening blocked; keep free of dust, lint, hair, and anything that may reduce air flow.**
- **Do not charge the unit outdoors.**
- **Keep hair, loose clothing, fingers, and all parts of body away from openings and moving parts.**
- **Turn off all controls before removing battery.**
- **Use extra care when cleaning on stairs or steps.**
- **Do not operate blowers in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.** Blowers create sparks which may ignite the dust or fumes.
- **Keep your work area clean and well lit.** Cluttered benches and dark areas invite accidents.
- **Keep bystanders, children, and visitors at least 50 ft. away while operating a blower.** Distractions can cause you to lose control.
- **A battery operated blower with integral batteries or a separate battery pack must be recharged only with the specified charger for the battery.** A charger that may be suitable for one type of battery may create a risk of fire when used with another battery.
- **Use battery operated blower only with specifically designated battery pack.** Use of any other batteries may create a risk of fire.
- **Use only with charger listed.** For use with 18V nickel-cadmium and lithium-ion battery packs., see tool/appliance/battery pack/charger correlation supplement 987000-432.
- **Do not operate charger with a damaged cord or plug, which could cause shorting and electric shock.** If damaged, have the charger replaced by an authorized service center.
- **If appliance is not working as it should, has been dropped, damaged, left outdoors, or dropped into water, return it to a service center.**
- **Stay alert, watch what you are doing and use common sense when operating a power blower. Do not use blower while tired, upset, or under the influence of drugs, alcohol, or medication.** A moment of inattention while operating blowers may result in serious personal injury.
- **Secure long hair above shoulder level to prevent entanglement in moving parts.**
- **Avoid accidental starting. Be sure switch is in the locked or off position before inserting battery pack.** Carrying blowers with your finger on the switch or inserting the battery pack into a blower with the switch on invites accidents.
- **Use safety equipment. Always wear eye protection.** Dust mask, non-skid safety shoes, hard hat, or hearing protection must be used for appropriate conditions.
- **Do not wear loose clothing or jewelry. Contain long hair.** Loose clothes, jewelry, or long hair can be drawn into air vents.
- **Do not use on a ladder, rooftop, tree, or other unstable support.** Stable footing on a solid surface enables better control of the blower in unexpected situations.
- **Do not use blower if switch does not turn it on or off.** A blower that cannot be controlled with the switch is dangerous and must be repaired.
- **Disconnect battery pack from blower before making any adjustments, changing accessories, or storing the blower.** Such preventive safety measures reduce the risk of starting the blower accidentally.
- **When battery pack is not in use, keep it away from other metal objects like: paper clips, coins, keys, nails, screws, or other small metal objects that can make a connection from one terminal to another.** Shorting the battery terminals together may cause sparks, burns, or a fire.
- **Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the blower's operation. If damaged, have the blower serviced before using.** Many accidents are caused by poorly maintained blowers.
- **Keep the blower and its handle dry, clean and free from oil and grease.** Always use a clean cloth when cleaning. Never use brake fluids, gasoline, petroleum-based products, or any strong solvents to clean your blower. Following this rule will reduce the risk of loss of control and deterioration of the enclosure plastic.




IMPORTANT SAFETY INSTRUCTIONS

- **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.
- **Always wear eye protection with side shields marked to comply with ANSI Z87.1 along with hearing protection when operating this equipment.**
- **Protect your lungs. Wear a face or dust mask if the operation is dusty.** Following this rule will reduce the risk of serious personal injury.
- **Protect your hearing. Wear hearing protection during extended periods of operation.** Following this rule will reduce the risk of serious personal injury.
- **Battery blowers do not have to be plugged into an electrical outlet; therefore, they are always in operating condition. Be aware of possible hazards when not using your battery powered blower or when changing accessories.** Following this rule will reduce the risk of electric shock, fire, or serious personal injury.
- **Under abusive conditions, liquid may be ejected from the battery; avoid contact.** If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help. Liquid ejected from the battery may cause irritation or burns.
- **Do not use a battery pack or appliance that is damaged or modified.** Damaged or modified batteries may exhibit unpredictable behavior resulting in fire, explosion or risk of injury.
- **Do not expose a battery pack or appliance to fire or excessive temperature.** Exposure to fire or temperature above 265°F may cause explosion.
- **Do not place battery powered blowers or their batteries near fire or heat.** This will reduce the risk of explosion and possibly injury.
- **Don't expose blowers to rain or wet conditions.** Water entering a blower will increase the risk of electric shock.
- **Wear heavy long pants, long sleeves, boots, and gloves.** Avoid loose garments or jewelry that could get caught in moving parts of the machine or its motor.
- **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.
- **Keep firm footing and balance. Do not overreach.** Overreaching can result in loss of balance.
- **Check the work area before each use.** Remove all objects such as rocks, broken glass, nails, wire, or string which can be thrown or become entangled in the machine.
- **Do not point the blower nozzle in the direction of people or pets.**
- **Never run the unit without the proper equipment attached.** Always ensure the blower tubes are installed.
- **When not in use, blower should be stored indoors in a dry, locked up place—out of the reach of children.**
- **Do not hang unit so that the switch trigger is depressed.**
- **Keep all bystanders, children, and pets at least 50 ft. away.**
- **Do not dispose of a severely damaged or worn out battery pack or this blower by incinerating.** The battery can explode in fire.
- **Blower service must be performed only by qualified repair personnel.** Service or maintenance performed by unqualified personnel may result in a risk of injury.
- **When servicing a blower, use only identical replacement parts.** Follow instructions in the Maintenance section of this manual. Use of unauthorized parts or failure to follow Maintenance Instructions may create a risk of shock or injury.
- **Never use blower near fires, fireplaces, hot ashes, barbecue pits, etc.** Use near fires or ashes can spread fires and result in serious injury and/or property damage.
- **Never use blower to spread chemicals, fertilizers, or any other toxic substances.** Spreading these substances could result in serious injury to the operator or bystanders.
- **Never place blower on any surface, except a hard, clean surface when motor is running.** Gravel, sand, and other debris can be picked up by the air inlet and thrown at the operator or bystanders, causing possible serious injuries.
- **For household use only.**
- **Save these instructions.** Refer to them frequently and use them to instruct others who may use this tool. If you loan someone this tool, loan them these instructions also.












SAVE THESE INSTRUCTIONS

SYMBOLS

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

SYMBOL	SIGNAL	MEANING
	DANGER:	Indicates a hazardous situation, which, if not avoided, will result in death or serious injury.
	WARNING:	Indicates a hazardous situation, which, if not avoided, could result in death or serious injury.
	CAUTION:	Indicates a hazardous situation, that, if not avoided, may result in minor or moderate injury.
	NOTICE:	(Without Safety Alert Symbol) Indicates information considered important, but not related to a potential injury (e.g. messages relating to property damage).

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

SYMBOL	NAME	DESIGNATION/EXPLANATION
	Safety Alert	Indicates a potential personal injury hazard.
	Read Operator's Manual	To reduce the risk of injury, user must read and understand operator's manual before using this product.
	Eye and Hearing Protection	Always wear eye protection with side shields marked to comply with ANSI Z87.1 along with hearing protection when operating this equipment.
	Impeller Blades	Rotating impeller blades can cause severe injury.
	Wet Conditions Alert	Do not expose to rain or use in damp locations.
	Keep Bystanders Away	Keep all bystanders at least 50 ft. away.
	Long Hair	Failure to keep long hair away from the air inlet could result in personal injury.
	Blower Tube	Do not operate without tube in place.
	Loose Clothing	Failure to keep loose clothing from being drawn into air intake could result in personal injury.
	Ricochet	Thrown objects can ricochet and result in personal injury or property damage.
	Recycle Symbol	This product uses lithium-ion (Li-ion) batteries. Local, state, or federal laws may prohibit disposal of batteries in ordinary trash. Consult your local waste authority for information regarding available recycling and/or disposal options.

SYMBOLS

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	DESIGNATION/EXPLANATION
V	Volts	Voltage
min	Minutes	Time
≡	Direct Current	Type or a characteristic of current
n_0	No Load Speed	Rotational speed, at no load
.../min	Per Minute	Revolutions, strokes, surface speed, orbits etc., per minute

FEATURES

PRODUCT SPECIFICATIONS

Motor 18 Volts DC
 Air Velocity 100 MPH
 Air Volume 280 CFM

KNOW YOUR BLOWER

See Figure 1.

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

BLOWER TUBE

The blower tube can be installed on the blower without using any tools.

KEYHOLE HANGER

Built in hanger allows you to easily and conveniently store the unit safely out of the way.

OVERMOLD HANDLE

Ergonomic handle with overmold improves comfort and grip.

VARIABLE SPEED SWITCH TRIGGER

The variable speed switch trigger delivers higher speed with increased trigger pressure and lower speed with decreased trigger pressure.

ASSEMBLY

UNPACKING

This product requires assembly.

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

WARNING:

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

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

PACKING LIST

Blower

Blower Tube

Operator's Manual

WARNING:

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

WARNING:

Do not attempt to modify this product or create accessories not recommended for use with this blower. 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 remove the battery pack from the tool when assembling parts.

ASSEMBLING THE BLOWER TUBE

See Figure 2.

- With the logo area facing up, slide the blower tube over the outlet on the blower housing.
- Press down on the tab on the blower housing outlet.
- Push tube on the blower housing outlet until tab locks into place through the slot in the blower tube.
- To remove the blower tube, push tab down and slide tube off.

OPERATION

WARNING:

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

WARNING:

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

WARNING:

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

APPLICATIONS

You may use this product for the purposes listed below:

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

This product will accept Ryobi One+ 18 V lithium-ion battery packs and Ryobi One+ 18 V nickel-cadmium battery packs.

For complete charging instructions, refer to the Operator's Manuals for your Ryobi battery pack and charger models.

BATTERY PROTECTION FEATURES

Ryobi lithium-ion batteries are designed with features that protect the lithium-ion cells and maximize battery life.

If the tool stops during use, release the trigger to reset and resume operation. If the tool still does not work, the battery needs to be recharged.

TO INSTALL / REMOVE BATTERY PACK

See Figure 3.

WARNING:

Always remove battery pack from your tool when you are assembling parts, making adjustments, cleaning, or when not in use. Removing battery pack will prevent accidental starting that could cause serious personal injury.

To install:

- Place the battery pack in the blower. Align the raised rib on the battery pack with groove in the blower's battery port.
- Make sure the latches on each side of the battery pack snap in place and that the battery pack is secured in the blower before beginning operation.

NOTICE:

When placing battery pack in the tool, be sure raised rib on battery pack aligns with the bottom of the tool and latches into place properly. Improper installation of the battery pack can cause damage to internal components.

To remove:

- Locate the latches on the side of the battery pack and depress both sides to release the battery pack from the blower.

WARNING:

Battery tools are always in operating condition. Therefore, switch should always be locked with hands free of the lock-out button when not in use. Remove battery pack when transporting or carrying blower to avoid accidental starting, which may result in serious injury.

STARTING/STOPPING THE BLOWER

See Figure 4.

- To start the blower, depress the switch trigger.
- To stop the blower, release the switch trigger.

OPERATION

OPERATING THE BLOWER

See Figure 5.

- To keep from scattering debris, blow around the outer edges of a debris pile. Never blow directly into the center of a pile.
- To reduce sound levels, limit the number of pieces of equipment used at any one time.
- Use rakes and brooms to loosen debris before blowing. In dusty conditions, slightly dampen surfaces when water is available.
- Conserve water by using power blowers instead of hoses for many lawn and garden applications, including areas such as gutters, screens, patios, grills, porches, and gardens.

- Watch out for children, pets, open windows, or freshly washed cars, and blow debris safely away.
- After using blowers or other equipment, CLEAN UP! Dispose of debris properly.

WARNING:

Battery tools are always in operating condition. Therefore, switch should always be in the OFF position when not in use or carrying at your side.

MAINTENANCE

WARNING:

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

WARNING:

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

WARNING:

To avoid serious personal injury, always remove the battery pack from the product when cleaning or performing any maintenance.

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.

WARNING:

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

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

STORAGE

- Clean all foreign material from the blower.
- Store indoors in a secure place that is inaccessible to children. Keep away from corrosive agents such as garden chemicals and de-icing salts.
- Do not hang unit so that the switch trigger is depressed.

WARRANTY

LIMITED WARRANTY STATEMENT

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

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

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

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

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

This warranty is limited to ninety (90) days from the date of original retail purchase for any RYOBI™ brand outdoor product that is used for rental or commercial purposes, or any other income-producing purpose.

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

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

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

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

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

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

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