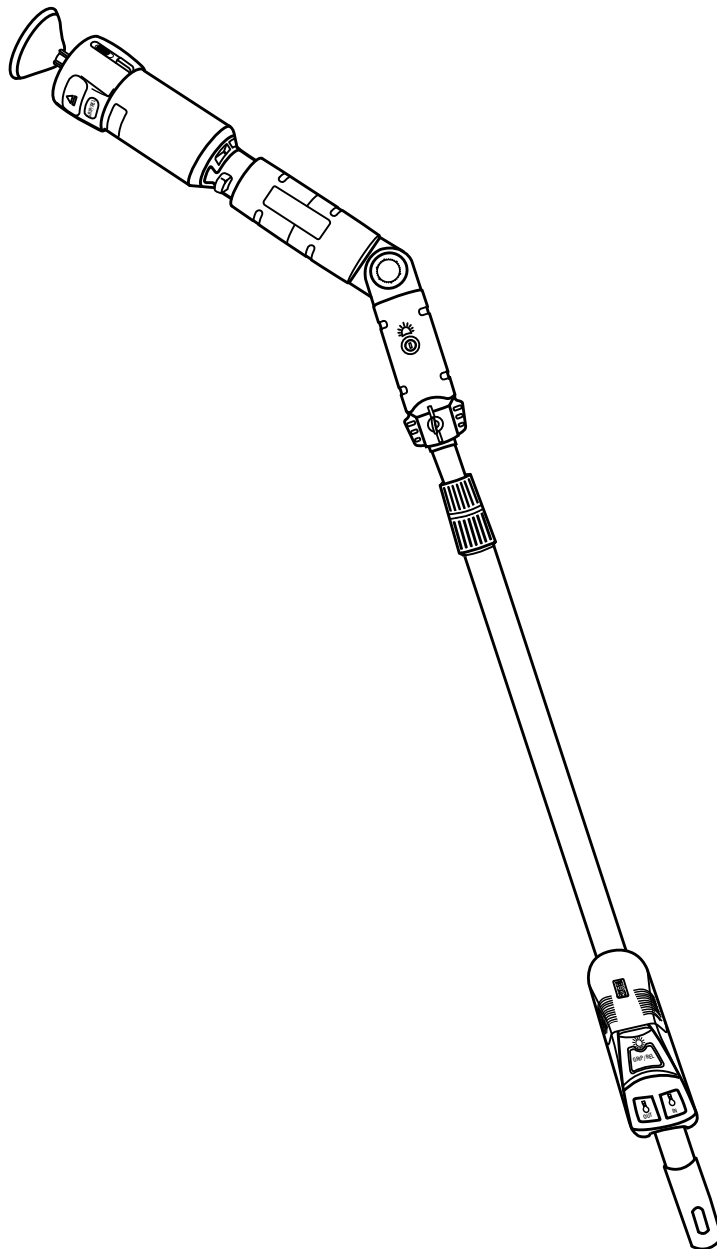




OPERATOR'S MANUAL

STICK GRIP

ELB001



Your stick grip 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

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INTRODUCTION

This tool 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.

WARRANTY

RYOBI® POWER TOOL - LIMITED TWO YEAR WARRANTY AND 30 DAY EXCHANGE POLICY

One World Technologies, Inc., warrants its RYOBI® power tools with the following conditions:

30-DAY EXCHANGE POLICY: During the first 30 days after date of purchase, you may either request service under this warranty or you may exchange any RYOBI® power tool which does not work properly due to defective workmanship or materials by returning the power tool to the dealer from which it was purchased. To receive a replacement power tool or requested warranty service, you must present proof of purchase and return all original equipment packaged with the original product. The replacement power tool will be covered by the limited warranty for the balance of the two year period from the date of the original purchase.

WHAT THIS WARRANTY COVERS: This warranty covers all defects in workmanship or materials in your RYOBI® power tool for a period of two years from the date of purchase. With the exception of batteries, power tool accessories are warranted for ninety (90) days. Batteries are warranted for two years.

HOW TO GET SERVICE: Just return the power tool, properly packaged and postage prepaid, to an Authorized Service Center. You can obtain the location of the Service Center nearest you by contacting a service representative at One World Technologies, Inc., P.O. Box 1207, Anderson, SC 29622-1207, by calling 1-800-525-2579 or by logging on to www.ryobitools.com. When you request warranty service, you must also present proof of purchase documentation, which includes the date of purchase (for example, a bill of sale). We will repair any faulty workmanship, and either repair or replace any defective part, at our option. We will do so without any charge to you. We will complete the work in a reasonable time, but, in any case, within ninety (90) days or less.

WHAT'S NOT COVERED: This warranty applies only to the original purchaser at retail and may not be transferred. This warranty only covers defects arising under normal usage and does not cover any malfunction, failure or defects resulting from misuse, abuse, neglect, alteration, modification or repairs by other than Authorized Service Centers. One World Technologies, Inc. makes no warranties, representations or promises as to the quality or performance of its power tools other than those specifically stated in this warranty.

ADDITIONAL LIMITATIONS: Any implied warranties granted under state law, including warranties of merchantability or fitness for a particular purpose, are limited to two years from the date of purchase. One World Technologies, Inc. is not responsible for direct, indirect, or incidental damages, so the above limitations and exclusions 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.

GENERAL SAFETY RULES

WARNING!

Read all instructions. Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury. The term “power tool” in all of the warnings listed below refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

SAVE THESE INSTRUCTIONS

WORK AREA SAFETY

- **Keep work area clean.** Cluttered areas invite accidents.
- **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.
- **Keep children and bystanders away while operating a power tool.** Distractions can cause you to lose control.
- **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
- **Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication.** A moment of inattention while operating power tools may result in serious personal injury.
- **Avoid accidental starting. Ensure the switch is in the off-position before plugging in.** Carrying power tools with your finger on the switch or plugging in power tools that have the switch on invites accidents.
- **Do not overreach. Keep proper footing and balance at all times.** This enables better control of the power tool in unexpected situations.
- **Do not wear loose clothing or jewelry. Contain long hair.** Loose clothes, jewelry, or long hair can become entangled.
- **Do not use on a ladder or unstable support.** Stable footing on a solid surface enables better control of the power tool in unexpected situations.

TOOL USE AND CARE

- **Do not permit children to use power tool unsupervised.** It is not a toy.
- **Do not use the power tool if the switch does not turn it on and off.** Any power tool that cannot be controlled with the switch is dangerous and must be repaired.

- **Disconnect the plug from the power source and/or the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools.** Such preventive safety measures reduce the risk of starting the power tool accidentally.
- **Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.** Power tools are dangerous in the hands of untrained users.
- **Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool’s operation. If damaged, have the power tool repaired before use.** Many accidents are caused by poorly maintained power tools.
- **Use the power tool or accessories in accordance with these instructions and in the manner intended for the particular type of power tool, taking into account the working conditions and the work to be performed.** Use of the power tool for operations different from those intended could result in a hazardous situation.
- **Recharge only with the charger specified by the manufacturer.** A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.
- **Use power tools only with specifically designated battery packs.** Use of any other battery packs may create a risk of injury and fire.

SERVICE

- **Have your power tool serviced by a qualified repair person using only identical replacement parts.** This will ensure that the safety of the power tool is maintained.

WARNING!

To reduce the risk of injury, user must read instruction manual.






- **When servicing a power tool, 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.

SPECIFIC SAFETY RULES

- **Do not use Stick Grip on a hot bulb.** Turn off light switch and allow previously lit light bulb to cool.
- **Do not use Stick Grip on free hanging light fixtures.** Only use on light sockets and fixtures that are fixed in place.
- **Remove all batteries from the power tool if you will not be using the power tool for an extended time.**
- **Know your power tool. Read operator's manual carefully. Learn its applications and limitations, as well as the specific potential hazards related to this power tool.** Following this rule will reduce the risk of electric shock, fire, or serious injury.
- **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.** Following this rule will reduce the risk of electric shock, fire, or serious personal injury.
- **Do not place battery tools or their batteries near fire or heat.** This will reduce the risk of explosion and possibly injury.
- **Batteries vent hydrogen gas and 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.
- **Under extreme usage or temperature conditions, battery leakage may occur. If liquid comes in contact with your skin, wash immediately with soap and water, then neutralize with lemon juice or vinegar. 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.
- **FCC Statement:** This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used according to the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which is found by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
 - Reorient or relocate the receiving antenna.
 - Increase the separation between the equipment and the devices.
 - Consult a dealer or an experienced radio/television technician for assistance.




SYMBOLS

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

SYMBOL	NAME	DESIGNATION/EXPLANATION
V	Volts	Voltage
A	Amperes	Current
Hz	Hertz	Frequency (cycles per second)
W	Watt	Power
min	Minutes	Time
~	Alternating Current	Type of current
==	Direct Current	Type or a characteristic of current
n_0	No Load Speed	Rotational speed, at no load
	Class II Construction	Double-insulated construction
.../min	Per Minute	Revolutions, strokes, surface speed, orbits etc., per minute
	Wet Conditions Alert	Do not expose to rain or use in damp locations.
	Read The Operator's Manual	To reduce the risk of injury, user must read and understand operator's manual before using this product.
	Eye Protection	Always wear safety goggles or safety glasses with side shields and, as necessary, a full face shield when operating this product.
	Safety Alert	Precautions that involve your safety.

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.
	CAUTION:	(Without Safety Alert Symbol) Indicates a situation that may result in property damage.

SERVICE

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



WARNING:

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



WARNING:



The operation of any power tool can result in foreign objects being thrown into your eyes, which can result in severe eye damage. Before beginning power tool operation, always wear safety goggles or safety glasses with side shields and, when needed, a full face shield. We recommend Wide Vision Safety Mask for use over eyeglasses or standard safety glasses with side shields. Always use eye protection which is marked to comply with ANSI Z87.1.

SAVE THESE INSTRUCTIONS

FEATURES

PRODUCT SPECIFICATIONS

AIRgrip™ System

Power Supply9V Battery

Stick Driver

Power Supply9V Battery

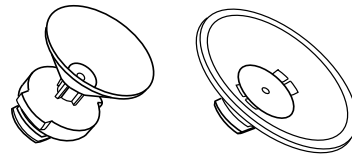
Remote Control

Power Supply9V Battery

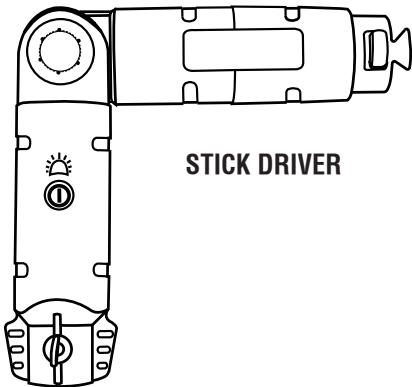
REMOTE CONTROL



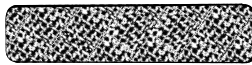
SUCTION HEAD (2)



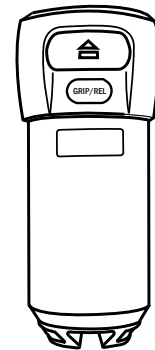
STICK DRIVER



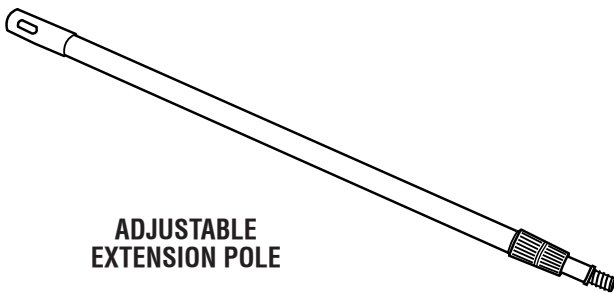
HOOK-AND-LOOP
PAD



AIRGRIP™ SYSTEM



ADJUSTABLE
EXTENSION POLE



STORAGE RACK



Fig. 1

FEATURES

KNOW YOUR STICK GRIP

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 EXTENSION POLE

The adjustable extension pole included with your Stick Grip fully extends to 6 ft. for out of reach light bulbs.

AIRGRIP™ VACUUM TECHNOLOGY

The AIRgrip System creates a vacuum seal to securely hold almost any light bulb.

CLUTCH CONTROL

A pre-set clutch control regulates the amount of pressure put on the light bulb, preventing damage or breakage.

REMOTE CONTROL

Buttons on the remote control allow the operator to grip, release, install, and remove a light bulb. The remote control can be conveniently attached to the stick driver or extension pole using the hook-and-loop pad.

STICK DRIVER

The stick driver's articulating head can be positioned for easy access to the light bulb. The motorized stick driver rotates the suction head to either install or remove the light bulb.

SUCTION HEADS

Two suction heads are provided for use with different sized light bulbs.

ASSEMBLY

UNPACKING

This product requires assembly.

- Carefully remove the tool and any accessories from the box. Make sure that all items listed in the packing list are included.
- Inspect the tool 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 tool.
- If any parts are damaged or missing, please call 1-800-525-2579 for assistance.

PACKING LIST

Stick Driver
Adjustable Extension Pole
AIRgrip System
Hook-and-Loop Pad
Remote Control
Screws (2)
Storage Rack
Suction Head (2)
Wall Anchors (2)
9 Volt Battery (3)
Operator's Manual



WARNING:

If any parts are damaged or missing do not operate this tool until the parts are replaced. Failure to heed this warning could result in serious personal injury.



WARNING:

Do not attempt to modify this tool or create accessories not recommended for use with this tool. 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 batteries from the tool when assembling parts.

ASSEMBLY

ATTACHING ADJUSTABLE EXTENSION POLE TO STICK DRIVER

See Figure 2.

- Twist threaded end of extension pole counterclockwise into threaded receptacle of stick driver.
- Turn locking screw on stick driver to secure.
- Turn bottom portion of pole clockwise to extend or retract top portion of pole to desired length.
- Turn bottom portion of pole counterclockwise to lock pole into position.

NOTE: Any standard extension pole can be used with the Stick Grip system. When fully extended, length of the pole and assembled Stick Grip system should not exceed 12 ft.

ADJUSTING STICK DRIVER

See Figure 3.

- Turn stick driver pivot knob counterclockwise.
- Pivot stick driver head to desired angle.
- Turn pivot knob clockwise to lock into position.

ATTACHING AIRGRIP™ SYSTEM

See Figure 4.

- Align groove in AIRgrip system with groove in stick driver.
- Slide AIRgrip into place.

NOTE: Ensure AIRgrip is locked into place before using.

To remove:

- Push down on release button on stick driver.
- Slide AIRgrip off of stick driver.

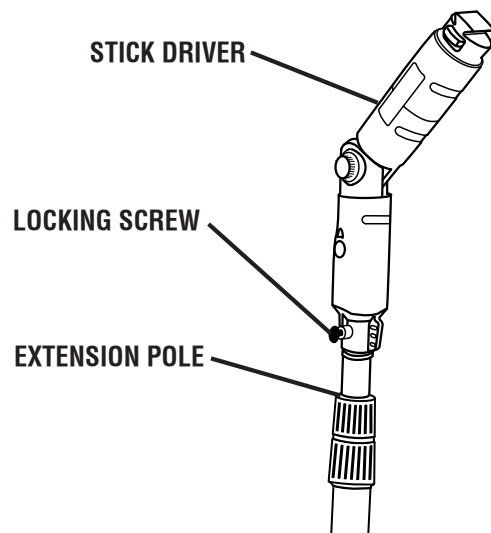


Fig. 2

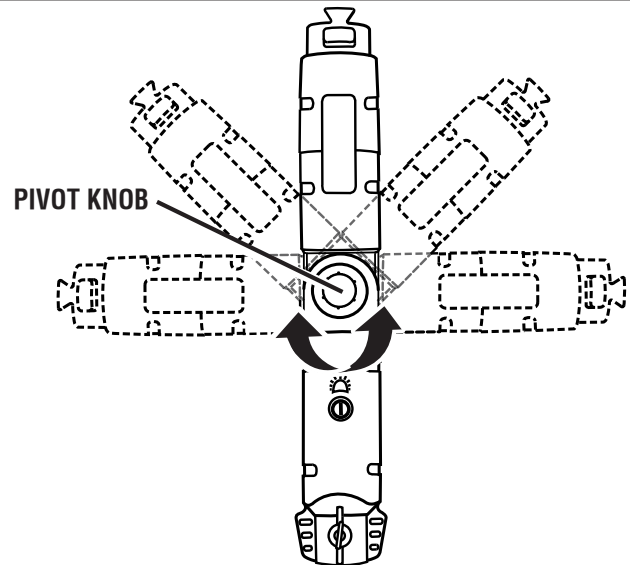


Fig. 3

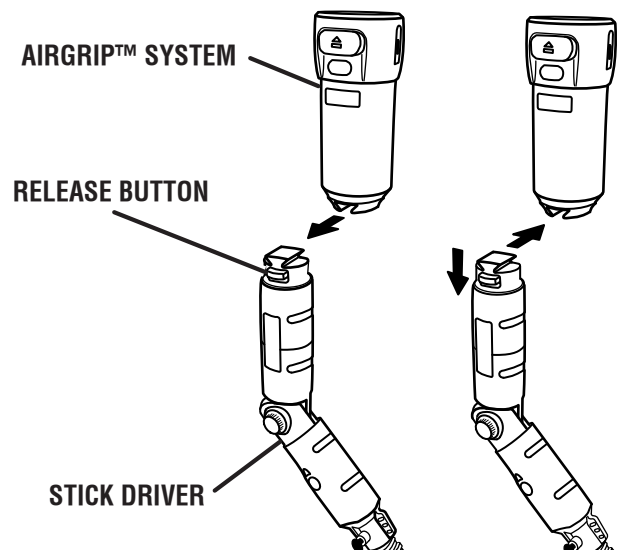


Fig. 4

ASSEMBLY

ATTACHING/REMOVING SUCTION HEAD

See Figures 5 - 6.

Two suction head attachments have been provided with the Stick Grip. Use the small suction head to change smaller sized light bulbs such as R20, PAR 20, R16, PAR 16, and A19 bulbs. Use the large suction head to change larger sized light bulbs such as R40, PAR 38-40, R30, and PAR 30 bulbs.

NOTE: Do Not use Stick Grip on light bulbs with exposed textured surfaces.

NOTE: Before initial use, wipe the AIRgrip seal with a damp cloth to remove any residue.

To attach suction head:

- Choose appropriate sized suction head for the bulb.
- Align groove in AIRgrip system with groove in bottom of suction head.
- Snap suction head into place.

To remove suction head:

- Depress attachment release lock on AIRgrip system.
- Remove suction head.
- Release attachment release lock.

REMOTE CONTROL

See Figure 7.

The remote control is used to activate the AIRgrip system and stick driver. Use the hook-and-loop pad to attach the remote control to the extension pole or stick driver.

NOTE: The remote control buttons should face the operator.

To attach the hook-and-loop pad:

- Grip extension pole in a comfortable operational position.
- Remove backing from hook-and-loop pad and stick pad in position just above where you are gripping the pole.

NOTE: The hook-and-loop pad should be placed on the pole in such a way to allow comfortable operation of the remote control buttons when remote is attached to pad.

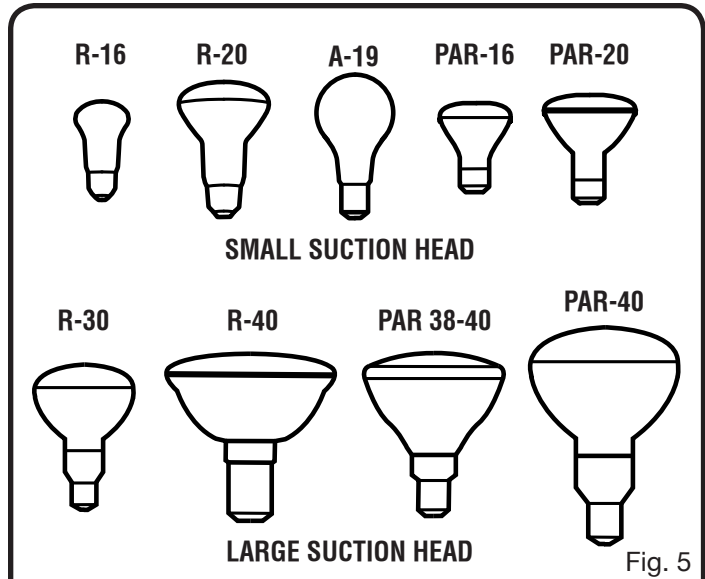


Fig. 5

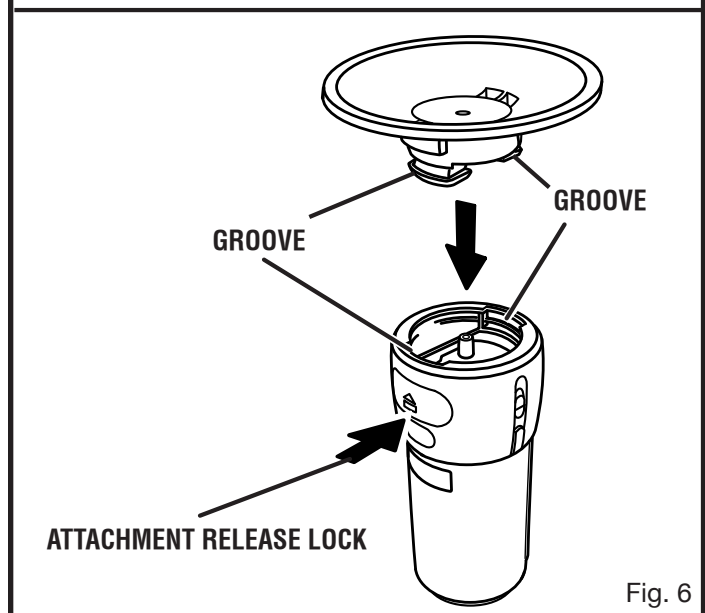


Fig. 6

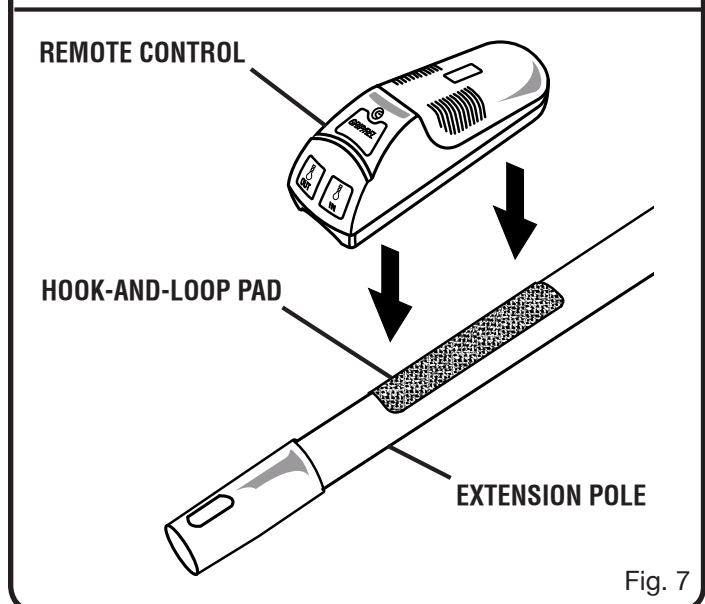


Fig. 7

OPERATION

WARNING:

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

WARNING:

Always wear safety goggles or safety glasses with side shields when operating tools. 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 tool. The use of attachments or accessories not recommended can result in serious personal injury.

APPLICATIONS

You may use this tool for the purpose listed below:

- Removing/installing light bulbs

WARNING:

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

WARNING:

Do not use Stick Grip on free hanging light fixtures. Only use on light sockets and fixtures that are fixed in place.

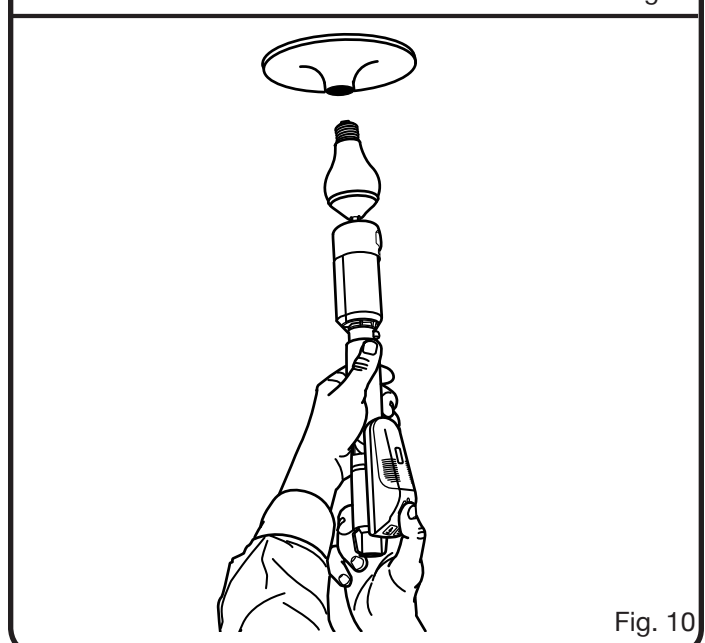
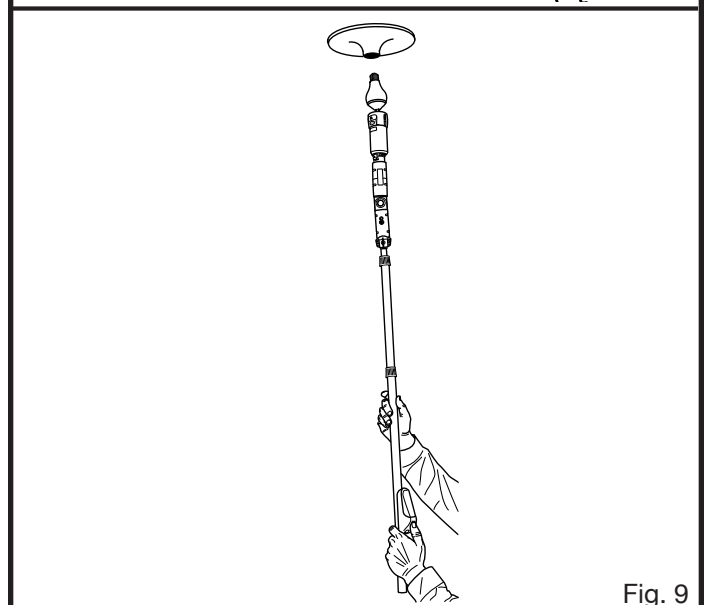
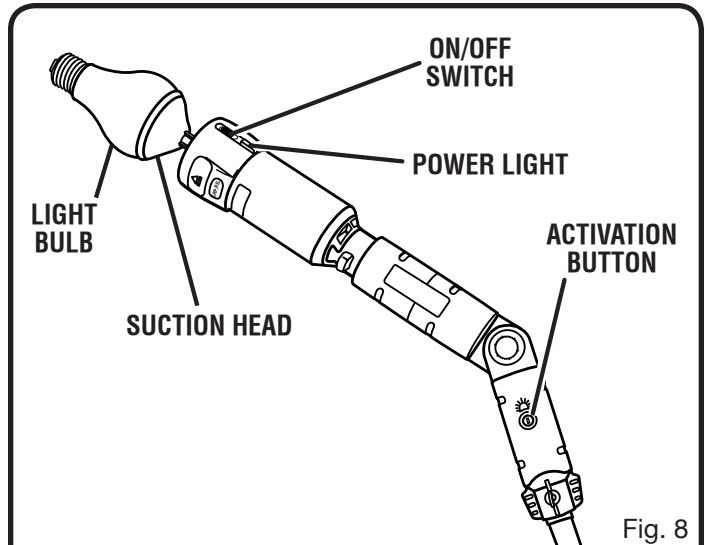
The Stick Grip system can be used with or without an extension pole. To use without an extension pole, follow all *Assembly* instructions for the Stick Grip system, but do not attach the stick driver to a pole.

REMOVING/INSTALLING LIGHT BULB

See Figures 8 - 11.

- Push the activation button on the stick driver to turn on the driver. The green activation light should light up.
- Slide the ON/OFF switch on the AIRgrip system to the **ON (I)** position. The AIRgrip system will briefly vibrate when turned on.

NOTE: The power light on the AIRgrip system should be green. When the battery in the AIRgrip system is low, the power light will change from green to red. Change the battery immediately. Refer to **Changing the Batteries** later in this manual.



OPERATION

Before using the Stick Grip system, push each remote control button to ensure the stick driver and AIRgrip system are working correctly.

CAUTION:

If more than one unit is being used in the same location, keep a minimum distance of 20 ft. between the units to prevent interference of wireless remote connections of one or both units.

To remove light bulb:

NOTE: Allow light bulb to cool before placing suction head over bulb.

- Place suction head over light bulb.
- Press grip/release button on remote control to activate suction. You will hear a low-pitched buzzing sound.
- Gently push the AIRgrip system against the light bulb until you hear a high-pitched buzzing sound. This means the AIRgrip has successfully attached onto the light bulb.

NOTE: Make sure suction head is completely attached to light bulb by gently pulling Stick Grip system away from bulb. If suction head moves, the AIRgrip has not attached onto the light bulb.

- Press and hold the **OUT** button on remote control. The stick driver will begin to unscrew the light bulb.
- Release remote control button once light bulb is completely unscrewed from socket.
- Remove bulb from socket and lower pole.
- Grasp light bulb with your hand.
- Press and hold grip/release button on AIRgrip with opposite hand for approximately one second until suction is deactivated. Bulb will be released from the AIRgrip system.

To install light bulb:

- Press grip/release button on AIRgrip to active suction. You will hear a low-pitched buzzing sound.
- Gently push the light bulb head against the AIRgrip suction head until you hear a high-pitched buzzing sound. This means the AIRgrip has successfully attached onto the light bulb.

NOTE: Make sure suction head is completely attached to light bulb by gently pulling bulb away from Stick Grip system. If suction head moves, the AIRgrip has not attached onto the light bulb.

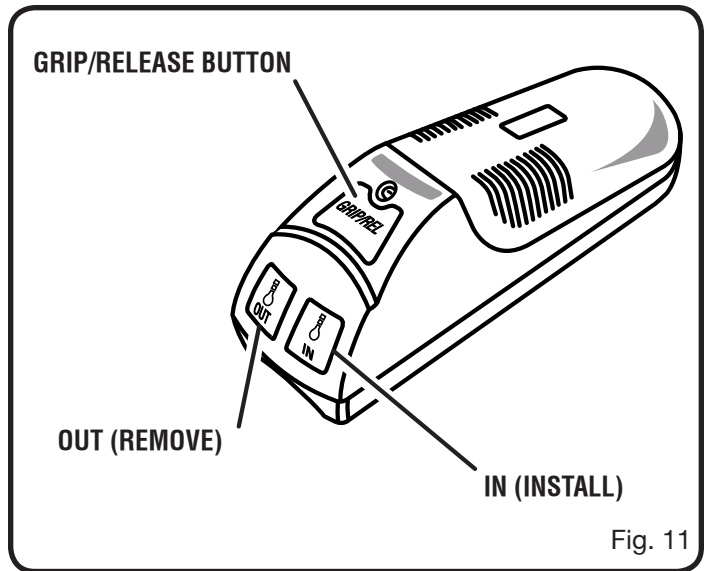


Fig. 11

- Raise light bulb to light socket.
 - Press and hold the **IN** button on remote control. The stick driver will begin to screw the light bulb into the light socket.
 - Release remote control button once light bulb is completely screwed into socket.
- NOTE:** Make sure light bulb is completely screwed into light socket and secured before releasing remote control button.
- Press grip/release button on remote control for approximately one second until suction is deactivated. The AIRgrip system will release the bulb.
 - Slide the ON/OFF switch on the AIRgrip system to the **OFF (O)** position and push activation button on stick driver to turn off until next use.

MAINTENANCE

WARNING:

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

WARNING:

Always wear safety goggles or safety glasses with side shields during power tool operation.

WARNING:

To avoid serious personal injury, always remove the battery pack from the tool 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 may 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.

- Remove all batteries from the power tool if you will not be using the power tool for an extended time.

CHANGING THE BATTERIES

The remote control, stick driver, and AIRgrip system are each powered by a standard 9V battery. When the battery in the AIRgrip system is low, the power light will change from green to red. Change the battery immediately.

To change the battery in the remote control, stick driver, or AIRgrip system:

- Remove the battery cover from the unit.
- Remove the battery and replace with new 9V battery.
- Replace the battery cover.

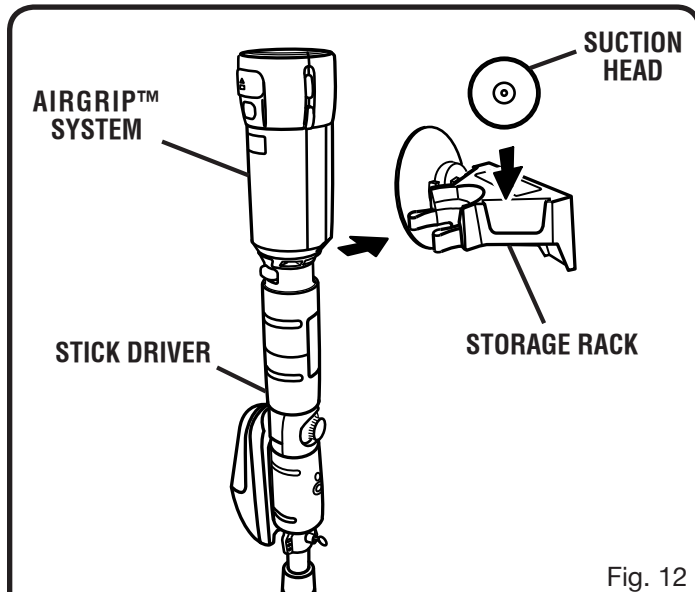


Fig. 12

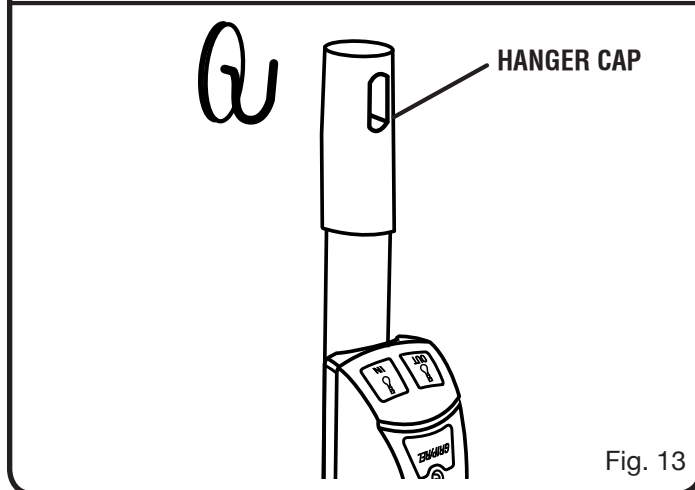


Fig. 13

STORAGE

See Figures 12 - 13.

A storage rack with a “key hole” hanging feature is provided for convenient storage of the fully assembled Stick Grip system. Screws should be installed so that the center distance is 3 in.

NOTE: Store fully assembled Stick Grip only as instructed.

Storing Stick Grip system:

- Snap fully assembled Stick Grip into storage rack between AIRgrip system and stick driver.

Storing suction heads:

- Align groove of suction head with side groove of storage rack and slide into place.

Storing extension pole:

- Remove Stick Grip system from extension pole.
- Hang pole using hanger cap located at the end of pole.

NOTE: Store extension pole separately from assembled Stick Grip system when using hanger cap.



OPERATOR'S MANUAL

STICK GRIP

ELB001

- **SERVICE**

Now that you have purchased your tool, should a need ever exist for repair parts or service, simply contact your nearest Authorized Service Center. Be sure to provide all pertinent facts when you call or visit. Please call 1-800-525-2579 for your nearest Authorized Service Center. You can also check our web site at www.ryobitools.com for a complete list of Authorized Service Centers.

- **MODEL NO. AND SERIAL NO.**

The model number of this tool will be found on a plate attached to the motor housing. Please record the model number and serial number in the space provided below.

- **HOW TO ORDER REPAIR PARTS**

When ordering repair parts, always give the following information:

- MODEL NUMBER ELB001
- SERIAL NUMBER _____

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ONE WORLD TECHNOLOGIES, INC.

1428 Pearman Dairy Road, Anderson, SC 29625

Phone 1-800-525-2579

www.ryobitools.com

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