RYOBI™

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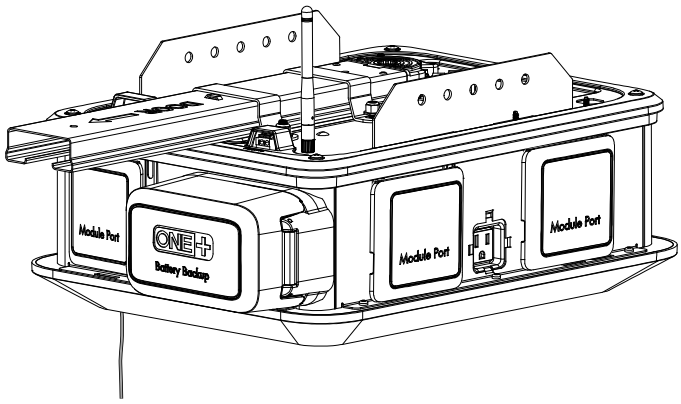
GARAGE DOOR OPENER
MODULE
SYSTEM™



OPERATOR'S MANUAL
MANUEL D'UTILISATION
MANUAL DEL OPERADOR

GARAGE DOOR OPENER
OUVRE-PORTE DE GARAGE
SISTEMA DE APERTURA PARA PORTÓN DE GARAJE

GD200

Your garage door opener 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 ouvre-porte de garage 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.

CONSERVER CE MANUEL POUR FUTURE RÉFÉRENCE

Su sistema de apertura para portón de garaje 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.

GUARDE ESTE MANUAL PARA FUTURAS CONSULTAS

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INTRODUCTION
INTRODUCTION / INTRODUCCIÓN

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

* * *

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

* * *

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

SPECIFIC SAFETY RULES

⚠ WARNING:

READ AND UNDERSTAND ALL INSTRUCTIONS BEFORE USING THIS GARAGE DOOR OPENER to reduce the risk of electric shock, fire and/or serious personal injury.

- For use with residential sectional or single-panel garage doors. Not for commercial use.
- Only enable the RYOBI Garage Door Opener Module System App feature when installed with a sectional door.
- Know your product. Read operator's manual carefully. Learn its applications and limitations, as well as the specific potential hazards related to this unit. Following this rule will reduce the risk of electric shock, fire, death, or serious injury.
- Always follow all safety rules recommended by the manufacturer of your garage door opener, in addition to all safety rules for the garage door opener attachment and accessories. Following this rule will reduce the risk of serious personal injury.
- Devices or features, such as the RYOBI Garage Door Opener Module System App, that allow you to open and close the garage without the garage door being in view should only be used with sectional garage doors.
- Do not use any attachments or accessories not recommended by the manufacturer of this product.
- A monthly test of the device's functionality is recommended to ensure reliable performance over time.
- Do not use the garage door opener if it is damaged or broken.
- Do not use garage door opener if keypads do not start and stop the motor. An opener that cannot be controlled with a keypad is dangerous and must be repaired.
- To avoid accidental use place keypads and remotes in a location that is inaccessible to children and others not qualified to operate the machine at least five feet above the floor.
- Do not allow children or untrained individuals to use this unit.
- Do not allow to be used as a toy. Close attention is necessary when used near children.
- To avoid death or serious personal injury, stay clear of the garage door while it is moving.
- The effectiveness of the safety sensors included in this system directly relates to the placement and installation of the sensors.
- Use extra care when mounting the unit. Keep proper footing and balance at all times.
- Mount the garage door opener to joists only. Never mount the unit to drywall or false ceiling grids. Failure to properly install the garage door opener could result in a falling hazard that can cause death or serious personal injury.
- This product is not equipped for permanent wiring. Contact licensed electrician to install a suitable receptacle if one is not available.
- Plug the garage door opener directly into a power source. Do not attach an extension cord or cord adaptor to this product's power cord.
- Do not unplug by pulling on cord. To unplug, grasp the plug, not the cord.
- Do not handle battery pack, power supply cord, wires, wire terminals, or accessories with wet hands.
- Disconnect battery pack and unplug the garage door opener before making any adjustments, changing accessories, or performing maintenance. Such preventive safety measures reduce the risk of electrocution or electric shock.
- Inspect power supply cord and wires periodically and, if damaged, have repaired by the manufacturer to avoid risk. Keep power supply cord and wires away from pinch points and moving parts. Following this rule will reduce the risk of electric shock or fire.
- Check damaged parts. Before further use of the garage door opener, a belt, pulley, or other 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, and any other conditions that may affect its operation. A belt, pulley, or other part that is damaged should be properly repaired or replaced by the manufacturer. Following this rule will reduce the risk of shock, fire, or serious injury.
- When servicing a product, 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 injury.
- Never attempt to loosen, adjust, or remove the door springs (torsion spring and/or extension spring), door spring components, or any surfaces to which these items are secured. These items are under extreme tension and any such alteration could result in death, serious personal injury, and/or property damage.
- Servicing of garage doors, door springs (torsion and/or extension springs), and door spring components should be performed only by a qualified service person.
- To prevent SERIOUS INJURY or DEATH, DO NOT open garage door if fire is present, unless you must escape through it. CALL 911 or the fire department. Opening the garage door will introduce fresh air and may cause fire to spread rapidly.

SPECIFIC RULES FOR BATTERY OPERATION

- 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.
- Use battery operated products only with specifically designated battery packs. Use of any other battery packs may create a risk of fire.
- 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.
- Exercise care in handling batteries in order not to short the battery with conducting materials such as rings, bracelets, and keys. The battery or conductor may overheat and cause burns.
- 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.
- Battery powered garage door openers do not have to be plugged into an electrical outlet; therefore, they are always in operating condition. Be aware of possible hazards when making adjustments or changing accessories. Following this rule will reduce the risk of electric shock, fire, or serious personal injury.
- For best results, your garage door opener's battery should be charged in a location where the temperature is more than 50°F but less than 100°F. Do not store outside or in vehicles.
- Save these instructions. Refer to them frequently and use them to instruct others who may use this product. If you loan someone this product, loan them these instructions also.

SAFETY RULES FOR CHARGER

- Before charging battery pack, read all instructions and cautionary markings in this manual, on the battery pack, and product using battery to prevent misuse of the products and possible injury or damage.

⚠ WARNING:

Charge only lithium-ion rechargeable batteries. Other types of batteries may burst, causing personal injury or damage. For compatible battery packs see tool/appliance/battery pack/charger correlation supplement 987000-432.

- Do not expose garage door opener to wet or damp conditions. Water entering product will increase the risk of electric shock.
- Do not abuse cord or garage door opener. Do not pull the garage door opener's cord rather than the plug when disconnecting from receptacle. Damage to the cord or garage door opener could occur and create an electric shock hazard. If cord or garage door opener is damaged, have the garage door opener repaired by the manufacturer.
- Do not let gasoline, oils, petroleum-based products, etc. come in contact with plastic parts. They contain chemicals that can damage, weaken, or destroy plastic.
- Do not operate garage door opener with a damaged cord or plug, which could cause shorting and electric shock. If damaged, have the garage door opener replaced by the manufacturer.
- Do not operate garage door opener if it has received a sharp blow, been dropped, or otherwise damaged in any way. Have a qualified electrician perform an electrical check to determine if the garage door opener is in good working order.
- Do not disassemble garage door opener. Ship it to the manufacturer when service or repair is required. Incorrect reassembly may result in a risk of electric shock or fire.
- Risk of electric shock. Do not touch uninsulated portion of output connector or uninsulated battery terminal.

SAFETY RULES FOR CHARGER

IMPORTANT SAFETY INSTRUCTIONS

1. SAVE THESE INSTRUCTIONS - DANGER: TO REDUCE RISK OF FIRE OR ELECTRIC SHOCK CAREFULLY FOLLOW THESE INSTRUCTIONS.

This manual contains important safety and operating instructions for the GD200 garage door opener.

2. **Before using garage door opener,** read all instructions and cautionary markings on garage door opener, battery, and product using battery.

3. ⚠ **CAUTION:** To reduce the risk of injury, charge only lithium-ion rechargeable batteries. Other types of batteries may burst, causing personal injury or damage.

WI-FI COMMUNICATION INFORMATION

- Your garage door opener can be operated remotely on the smartphone app.
- The communication distance (range) between your garage door opener and your Wi-Fi router may be 100 feet (30 meters) inside your home. A number of factors in and around your home may reduce this range including the number of floors, number/size of rooms, furniture and types of building materials used for construction. Examples may include suspended ceilings, ductwork, large metallic appliances (refrigerators) and metal studs. Interference from these factors in your home can be overcome by adding Wi-Fi signal boosters to extend the range of the wireless signal from your router in your home.

NOTE:

1. The range and proper operation of any wireless device will vary depending on factors in and around your home.
2. Your garage door opener may not transmit between buildings. If you have a detached garage, your garage door opener may not communicate properly with your Wi-Fi router.
3. Metal objects (e.g. wall studs) and metallic wallpaper may interfere with the signal from your Garage Door Opener. You will need to test your Garage Door Opener after any changes to your home or garage including remodeling, moving furniture and installing new appliances or devices that communicate with your Wi-Fi router.

NOTICE:

It is important that the wireless signal from your router is secured. An unsecured signal could allow unauthorized access to devices communicating on your home network including your garage door opener.

- Since the 1990s, security algorithms have been used to encrypt and protect wireless signals. The two most commonly used algorithms are WEP and WPA/WPA2.
  - WEP (Wired Equivalent Privacy) is the oldest and most widely used security algorithm. Despite its popularity, this algorithm is the most susceptible to hacking. The network passwords used to protect WEP networks have to be exactly 10 or 26 characters long and can only include hexadecimal characters (a-f and 0-9). By modern standards, passwords with these limitations are not complex enough to offer adequate security. In 2005, the Federal Bureau of Investigation demonstrated WEP's vulnerabilities by easily cracking WEP passwords using publicly available software.

    Due to serious security concerns, your garage door opener will not connect to routers using WEP network security. Refer to your router's operator's manual to change the security type to WPA/WPA2.
  - WPA/WPA2 (Wi-Fi Protected Access) was created as a safer alternative to WEP. The cryptographic technology in this algorithm is far superior to that of its predecessor. WPA/WPA2 passwords can be up to 63 characters long and include hexadecimal characters as well as any printable ASCII characters (a-z, 0-9, punctuation marks, and some glyphs). Although it offers greater protections, WPA/WPA2 networks can still be vulnerable if weak passwords are used. Always use a strong password that includes upper and lower case letters, punctuation marks, numbers, and glyphs (if supported) to reduce the risk of the password being cracked or guessed by unauthorized parties.

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 when assembling and performing maintenance on this product.
	Electrocution/ Electric Shock	Unplug the unit before attaching wires to reduce the risk of electrocution or electric shock.
	Moving Door	To avoid death or serious personal injury, stay clear of the garage door while it is moving and never attempt to run or walk under moving garage door.
	Recycle Symbols	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.
	A Wi-Fi router connected to the internet in your home is required to use the app.	You will not be able to open your garage door or receive other information from the modules using the Ryobi Garage Door Opener Module System App if your home's Wi-Fi connection with your garage door opener is not connected or functioning properly.

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
⎓	Direct Current	Type or a characteristic of current
~	Alternating Current	Type of current
n_o	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)
A	Amperes	Current
W	Watt	Power

CALIFORNIA PROPOSITION 65

⚠ WARNING:

This product may contain chemicals, including lead, known to the State of California to cause cancer, birth defects or other reproductive harm. ***Wash hands after handling.***

ELECTRICAL

ELECTRICAL CONNECTION

This product has a precision-built electric motor. It should be connected to a **power supply that is 120 volts, AC only (normal household current), 60 Hz.** Except with battery pack installed, a substantial voltage drop will cause a loss of power and the motor will overheat. If your product does not operate when plugged into an outlet, double-check the power supply.

GROUNDING INSTRUCTIONS

See Figure 1.

This product must be grounded. In the event of a malfunction or breakdown, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. This product is equipped with an electric cord having an equipment-grounding conductor and a grounding plug. The plug must be plugged into a matching outlet that is properly installed and grounded in accordance with all local codes and ordinances.

Do not modify the plug provided. If it will not fit the outlet, have the proper outlet installed by a qualified electrician.

⚠ WARNING:

Improper connection of the grounding plug can result in a risk of electric shock. When repair or replacement of the cord is required, do not connect the grounding wire to either flat blade terminal. The wire with insulation having an outer surface that is green with or without yellow stripes is the grounding wire.

Check with a qualified electrician or service personnel if the grounding instructions are not completely understood, or if in doubt as to whether the product is properly grounded.

Repair or replace a damaged or worn cord immediately.

This product is for use on a nominal 120 V circuit and has a grounding plug similar to the plug illustrated in figure 1. Only connect the product to an outlet having the same configuration as the plug. Do not use an adapter with this product.

GROUND FAULT CIRCUIT INTERRUPTER

See Figure 2.

The 10 amp, 120 volt receptacles on the garage door opener are protected by a Ground Fault Circuit Interrupter (GFCI), which guards against the hazards of ground fault currents.

An example of ground fault current is the current that would flow through a person who is using an appliance with faulty insulation and, at the same time, is in contact with an electrical ground such as a plumbing fixture, wet floor, or earth.

GFCI receptacles do not protect against short circuits, overloads, or shocks.

The GFCI receptacles can be tested with the TEST and RESET buttons.

To test:

- Open the console door.
- Depress the TEST button. This should cause the RESET button to pop out.
- To restore power, depress the RESET button.

Perform this test monthly to ensure proper operation of the GFCI.

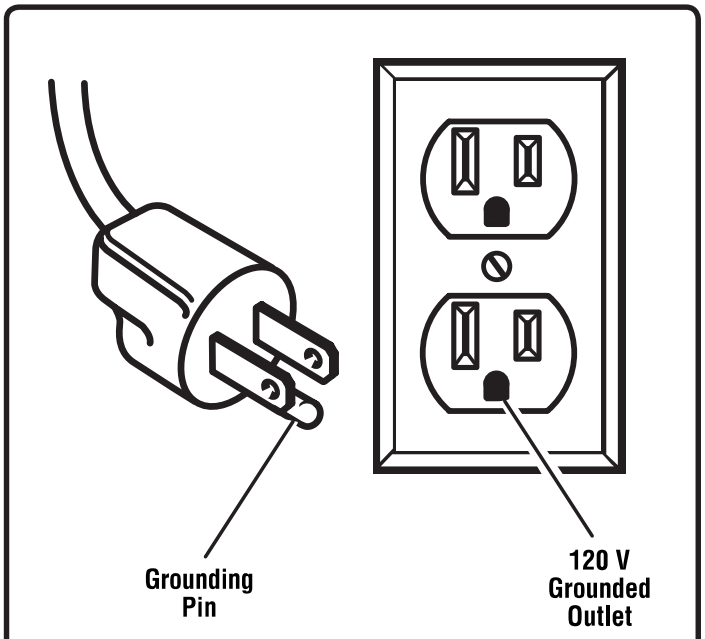


Fig. 1

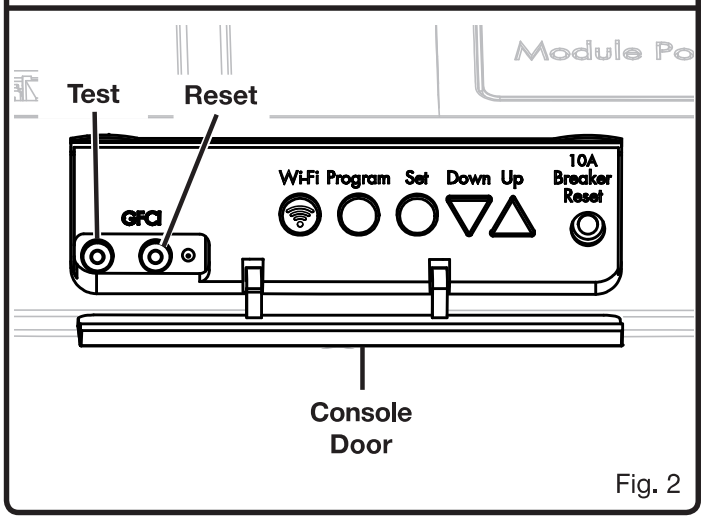


Fig. 2

FEATURES

PRODUCT SPECIFICATIONS

Module Capacity ..... up to 7
Max Garage Door Height ..... 7 ft.*
Bulb Type ..... LED
Drive Type ..... Belt Drive
Input ..... 120V AC, 60 Hz. or 18V DC
Motor ..... 2 HPs**
No Load Speed (Max) ..... 8.5 in. per second
Rail Length ..... 10 ft.
Remote Detection Range ..... 300 ft.
Motion Sensor Detection Range ..... 18 ft.
Vehicle and Home ..... HomeLink® compatible***

* Extension kits are available.
** Horsepower Similar (HPs) designates that this system meets RYOBI pulling force specification for a 2.0 horsepower garage door opener.
*** HomeLink® and the HomeLink® house icon are registered trademarks of Gentex Corporation.

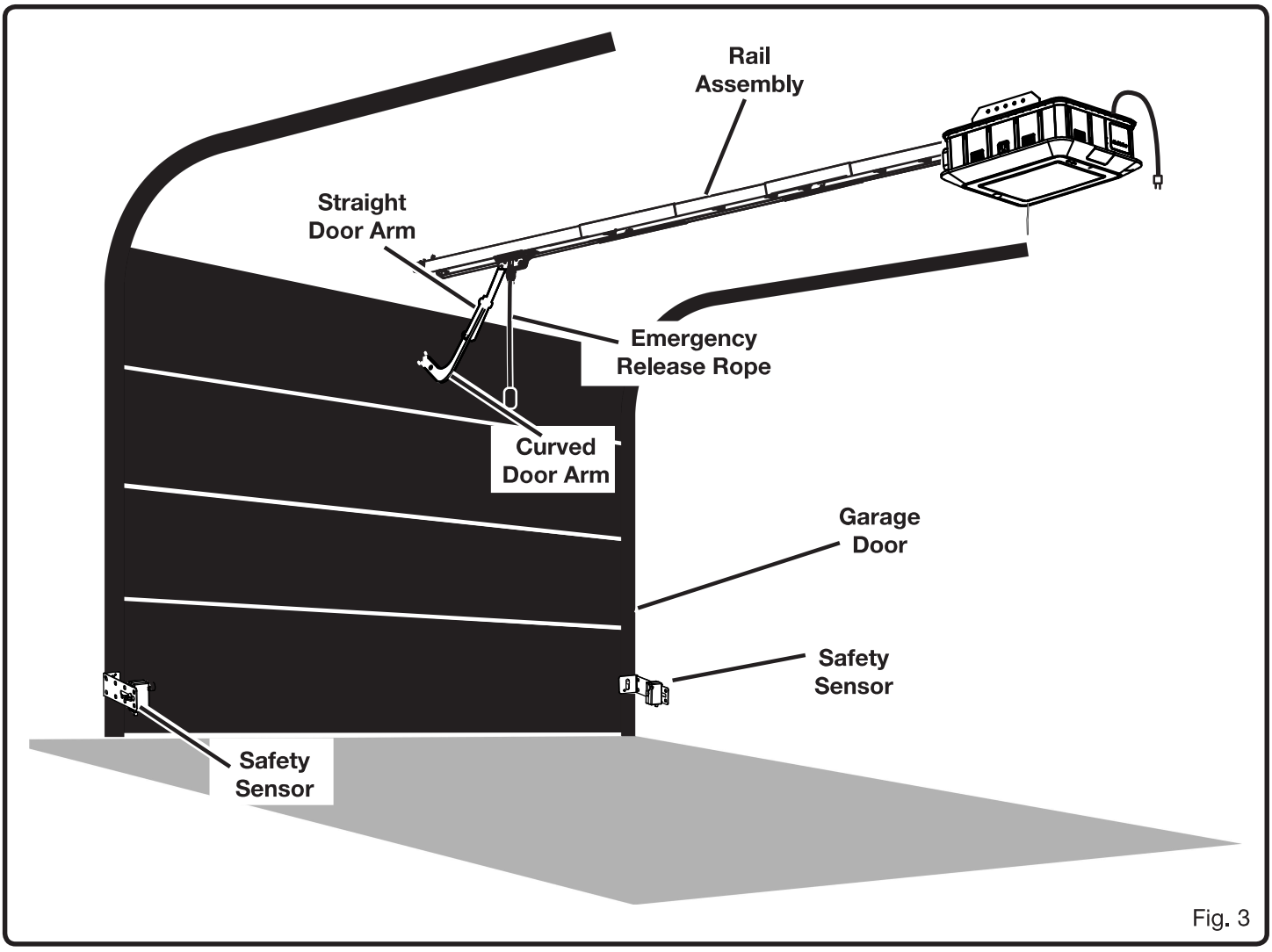


Fig. 3

FEATURES

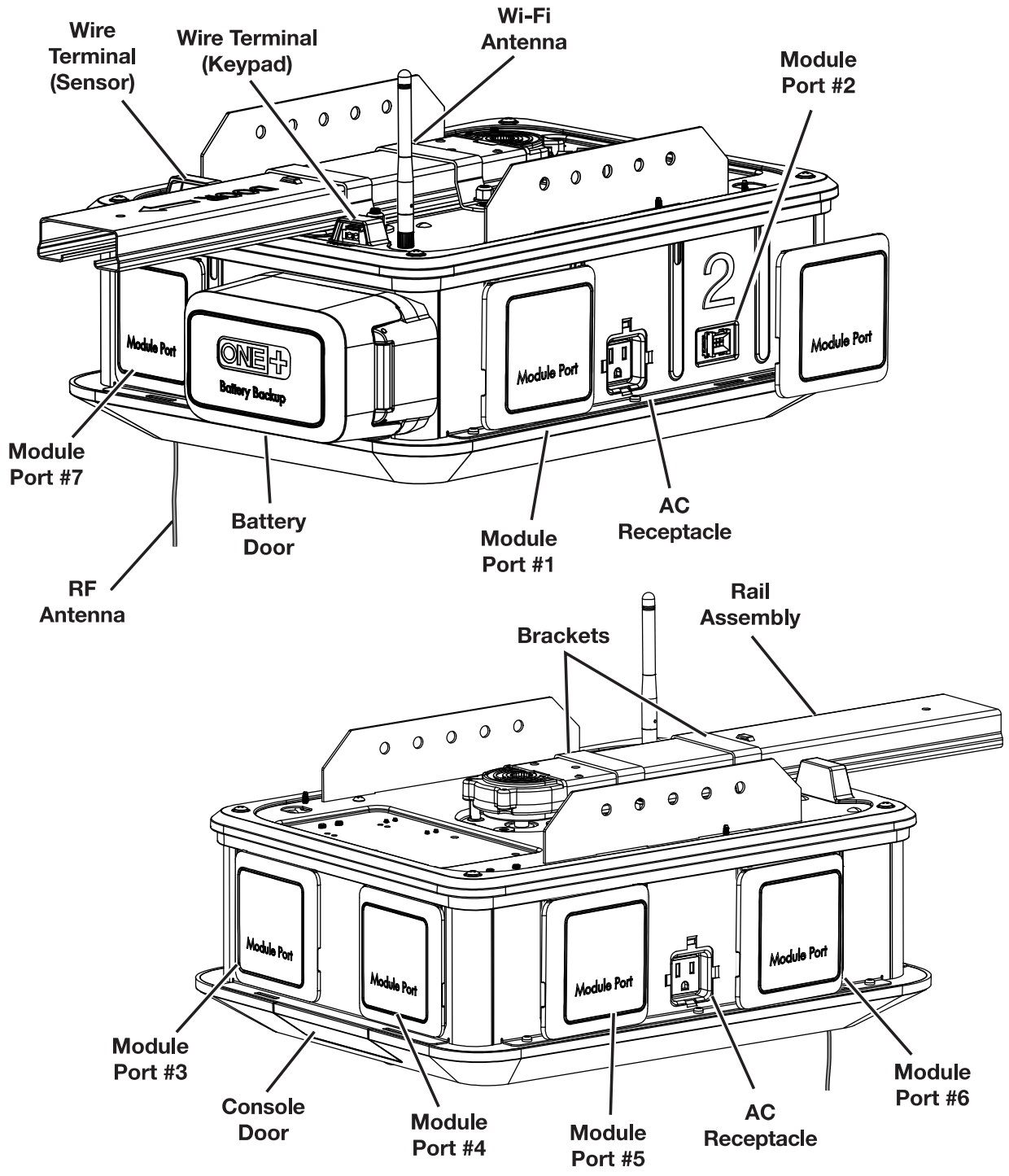
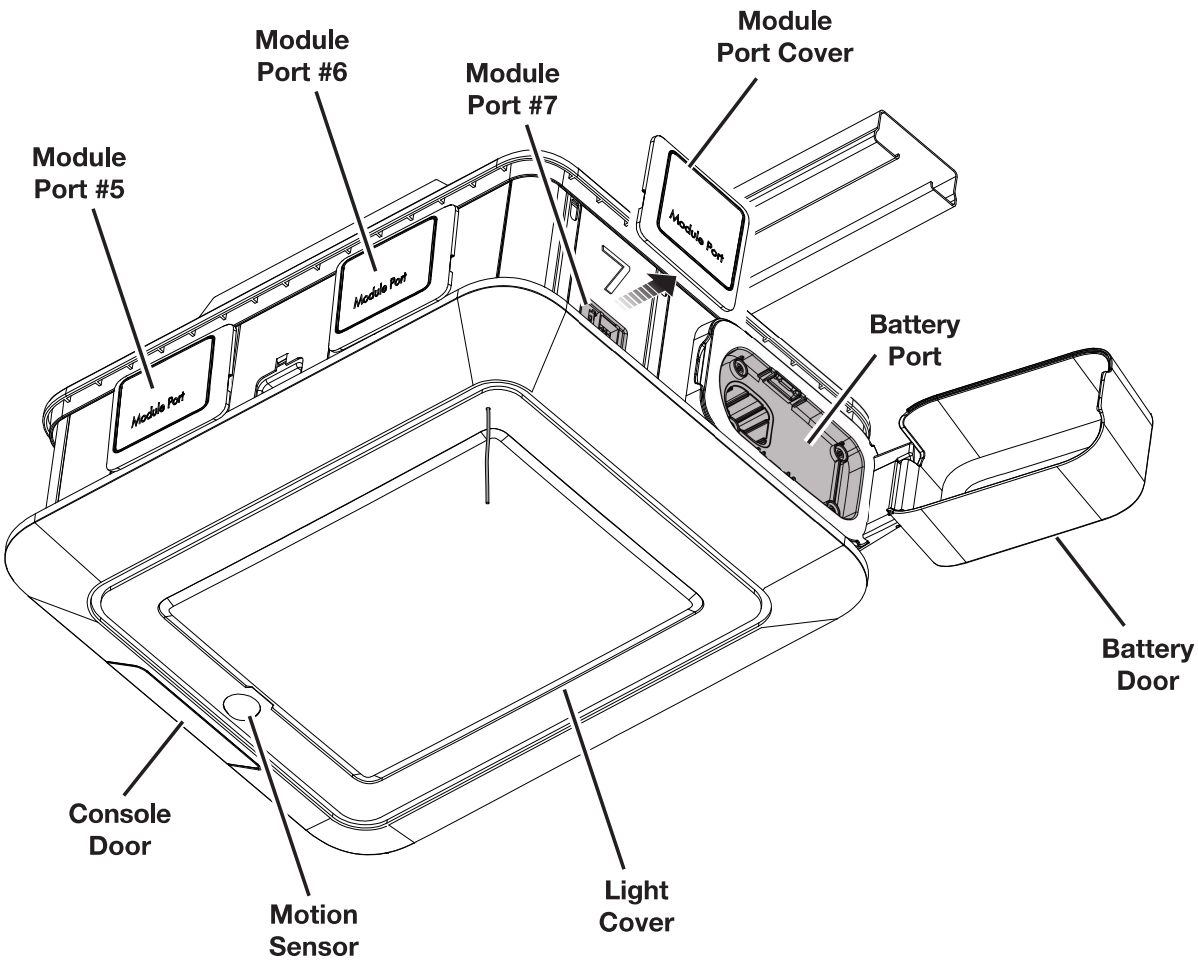
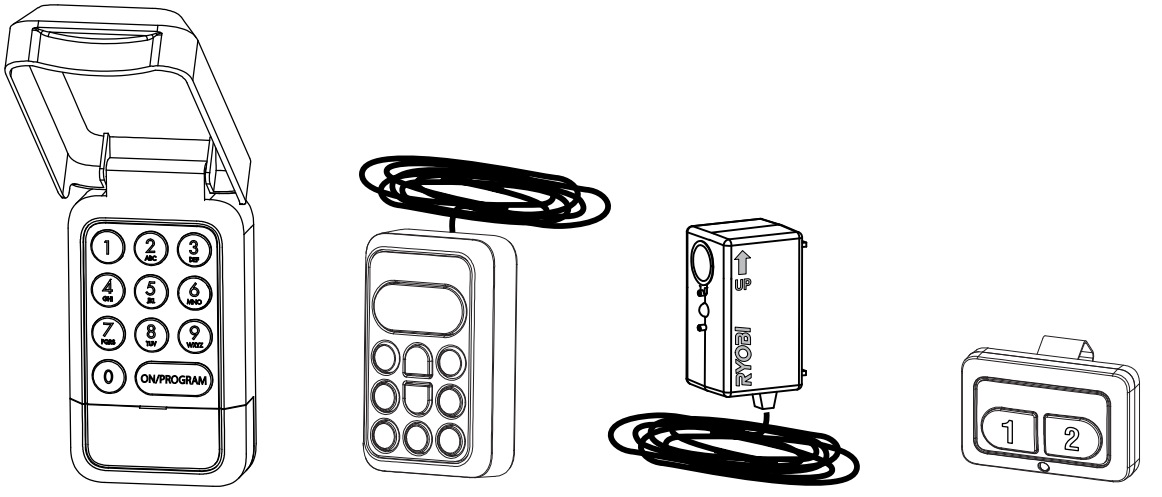


Fig. 4

FEATURES





Outdoor Keypad | Indoor Keypad | Safety Sensor (2) | Car Remote (2)

Fig. 5

FEATURES

KNOW YOUR GARAGE DOOR OPENER

See Figures 3 - 5.

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

AC RECEPTACLE

The garage door opener has two 120 Volt AC GFCI protected receptacles with a combined rating of 10 Amps. These can be used for operating AC garage door modules as well as appropriate appliances, electrical lighting, and tools.

ANTENNAS

The Wi-Fi and RF antennas allow the garage door opener to communicate with the smartphone app, car remotes, and outdoor keypads.

AUTOMATIC REVERSAL SYSTEM

When a closing garage door contacts an object that is 1-1/2 in. above the garage floor, the automatic reversal system will stop and raise the door to the fully open position.

BATTERY BACKUP

When not connected to an AC power source, the garage door opener and LED lights can be operated with RYOBI 18 Volt ONE+™ lithium-ion batteries.

CAR REMOTES

Convenient car remotes allow you to activate the garage door opener from a distance of up to 300 ft. The remotes are equipped with a visor clip, so you can store them on your car's sun visor.

BATTERY CHARGER

The built-in battery charger accepts RYOBI 18 Volt ONE+™ lithium-ion batteries.

BELT DRIVE SYSTEM

This product is equipped with a belt drive system that is quieter than traditional chain drive models.

CIRCUIT BREAKER

The circuit breaker is provided to protect the AC modules against electrical overload. The circuit breaker may be reset by pressing the circuit breaker reset button.

EMERGENCY RELEASE ROPE

In the case of an emergency or entrapment, pulling the emergency release rope will allow you to manually raise a closed garage door.

HOMELINK® COMPATIBILITY

Features on your garage door opener can be controlled by cars and homes equipped with HomeLink® control systems.

HomeLink® and the HomeLink® house icon are registered trademarks of Gentex Corporation.

INDOOR KEYPAD

The indoor keypad is installed on the interior of the garage and can be used to open and close the garage door, activate the module ports, and turn the LED lights on and off.

LED LIGHTS

LED lights are located beneath the light cover and illuminate whenever the motor is running, the **LIGHT** (☼) button on the indoor keypad is pressed, or motion is detected. To turn the LED lights off, press the **LIGHT** (☼) button.

NOTE: By default, the LED lights will illuminate for three minutes after the **LIGHT** (☼) button is pressed. The time can be adjusted in one minute increments, between three and ten minutes, using the RYOBI Garage Door Opener Module System App.

MODULE PORTS

Your garage door opener has seven ports for operating DC garage door modules.

MOTION SENSING

Passive infrared motion sensing turns the LED lights on when movement is detected in the garage.

NOTE: The motion sensor is deactivated for ten seconds each time the **LIGHT** (☼) button is pressed.

RAIL SYSTEM

The ergonomic rail design makes assembly and installation quick and easy.

SMART PHONE COMPATIBILITY

The garage door opener can be operated remotely with a smart phone using the RYOBI Garage Door Opener Module System App. For more information, visit ryobitools.com or download the app from the **App Store** or **Google Play Store**.

SAFETY SENSORS

Your garage door opener comes with two sensors that cast an invisible light beam across the opening of your garage. If an object crosses the path of the beam while the garage door is closing, the door will automatically stop and reverse to the fully open position.

VACATION MODE

To enter and exit vacation mode, press the **LOCK** (🔒) button on the indoor keypad. When in vacation mode, the garage door opener can only be controlled by the indoor keypad and smart phone app.

WIRELESS OUTDOOR KEYPAD

The wireless outdoor keypad can be used to open and close the garage door. For security, the outdoor keypad allows you to set up a custom four digit personal identification code.

LOOSE PARTS

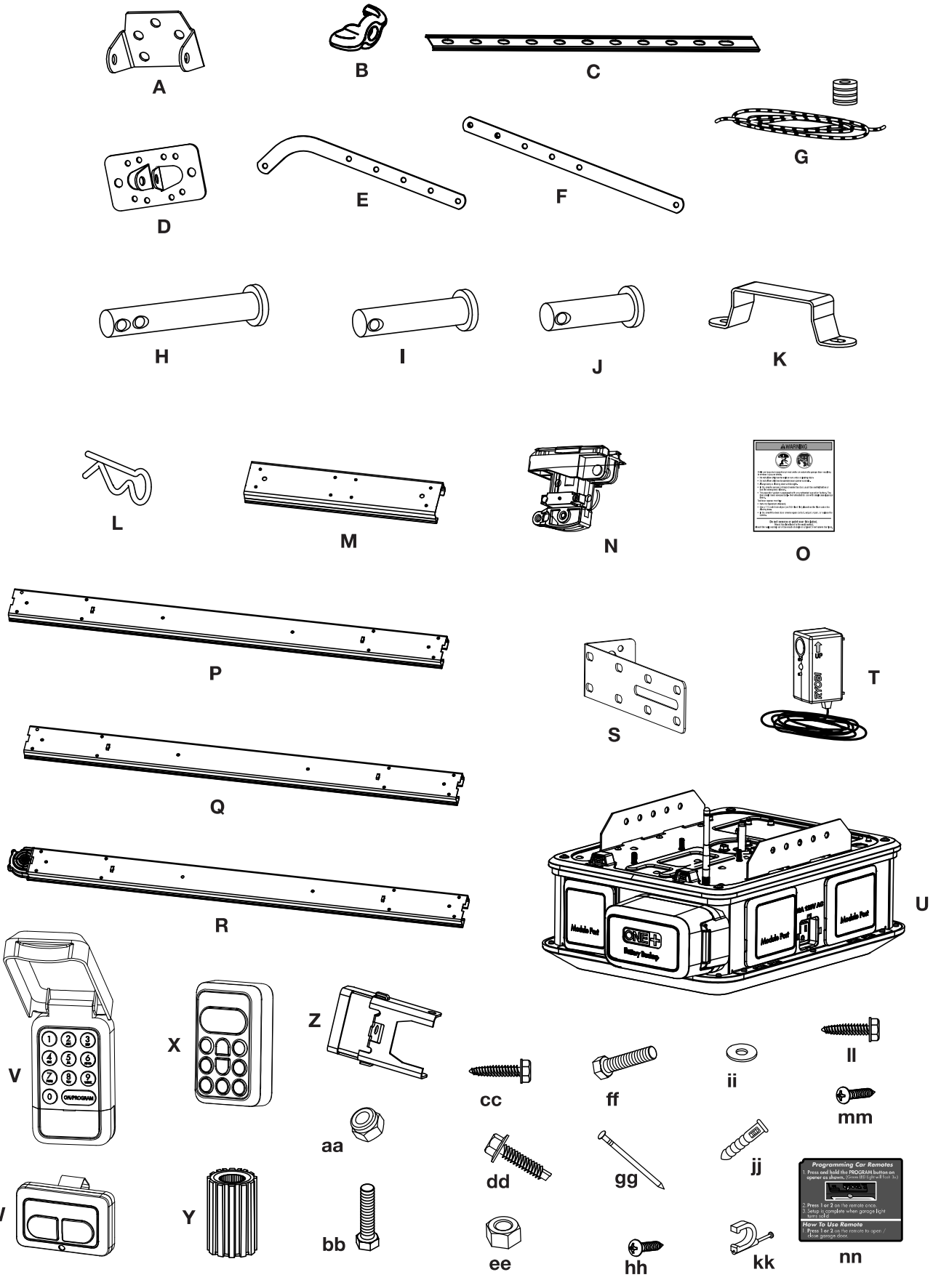


Fig. 6

LOOSE PARTS

The following items are included with your garage door opener:

A.	Header Bracket	1
B.	Wing Nut	2
C.	Mounting Strap	2
D.	Door Bracket	1
E.	Curved Door Arm	1
F.	Straight Door Arm	1
G.	Emergency Release Rope	1
H.	Large Clevis Pin	1
I.	Medium Clevis Pin	1
J.	Small Clevis Pin	1
K.	Bracket	2
L.	Hitch Pin	3
M.	Sleeve	2
N.	Outer Trolley	1
O.	Entrapment Warning Label (Eng., Fr., and Sp.)	3
P.	Front Rail	1
Q.	Intermediate Rail	1
R.	End Rail	1
S.	Sensor Bracket	1
T.	Safety Sensor	2
U.	Power Head	1
V.	Outdoor Keypad	1
W.	Car Remote	2
X.	Indoor Keypad	1
Y.	Sprocket	1
Z.	Front Brace	1
aa.	Nut (M6)	10
bb.	Bolt (M6 x 3/4 in.)	6
cc.	Lag Screw (M8 x 2 in.)	4
dd.	Self-tapping Screw	2
ee.	Lock Nut (M8)	2
ff.	Bolt (M8 x 1 in.)	2
gg.	Nail (2 in.)	2
hh.	Screw (1 in., Phillips Hd.)	2
ii.	Washers (M6)	6
jj.	Drywall Anchor	2
kk.	Insulated Staple	30
ll.	Lag Screw (M7 x 1.5 in.)	2
mm.	Screw (1.5 in., Phillips Hd.)	2
nn.	Instructions Label (Fr. and Sp.)	2

TOOLS NEEDED

The following tools (not included or drawn to scale) are needed for assembly and adjustments:

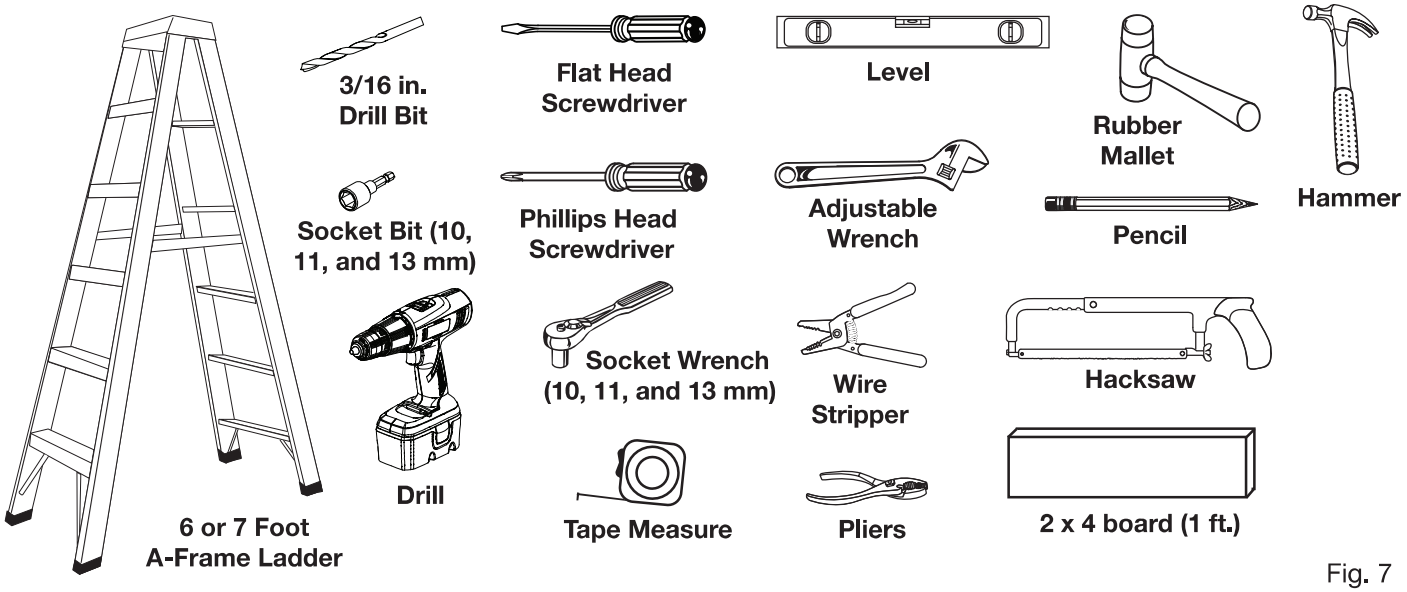


Fig. 7

ASSEMBLY

UNPACKING

This product requires assembly.

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

  NOTE: This tool is heavy. To avoid back injury, lift with your legs, not your back, and get help when needed.

⚠ WARNING:

Do not use this product if any parts on the Loose Parts 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 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 1-877-205-5714 for assistance.

NOTE: The instructions label on the unit is in English only. For customers whose primary language is French or Spanish, please remove the English label from the unit and replace with the desired translated label in the same position.

⚠ WARNING:

If any parts are damaged or missing do not operate this tool 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 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:

Do not connect to power supply until assembly is complete. Failure to comply could result in accidental starting and possible serious personal injury.

ASSEMBLY

⚠ WARNING:

Always wear eye protection with side shields marked to comply with ANSI Z87.1 when assembling and performing maintenance on this product. Failure to do so could result in objects being thrown into your eyes resulting in possible serious injury.

NOTICE:

Many of the illustrations in this manual show only portions of the garage door opener. This is intentional so that we can clearly show points being made in the illustration. Never operate the garage door opener without all parts securely in place and in good operating condition.

ASSEMBLING THE RAILS

See Figures 8 - 18.

- Locate the following items:
  - Front Brace
  - End Rail
  - Intermediate Rail
  - Front Rail
  - Sleeves (2)
  - Outer Trolley
- Remove tie wrap from rail and pulley.
- Pull the front pulley and belt through the end rail and into a sleeve.
- Slide the outer trolley into the end rail.
- Pull the release lever down and move outer trolley toward the inner trolley until they are engaged.

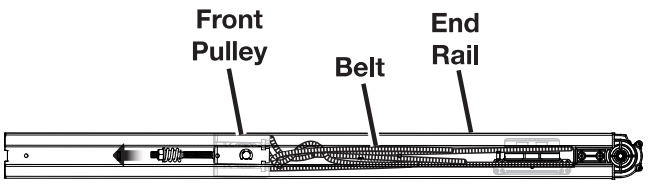


Fig. 8

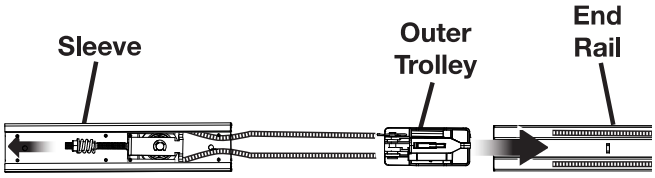


Fig. 9

- Insert the edge of the end rail into the sleeve. Slide together until rail clicks in place. If you cannot get the rail to fit by hand, try gently tapping it with a rubber mallet until it is snug and clicks into place. **Be careful not to pinch or damage the belt.**
- Repeat this process to attach the intermediate rail, second sleeve, and then the front rail. When assembled correctly, the rails should not separate easily when pulled.
- Pull the front pulley and belt through the first sleeve, the intermediate rail, the second sleeve, and to the top of the front rail.
- Turn the tension nut on the pulley rod counterclockwise to loosen. Remove the tension nut and spring from the pulley rod.

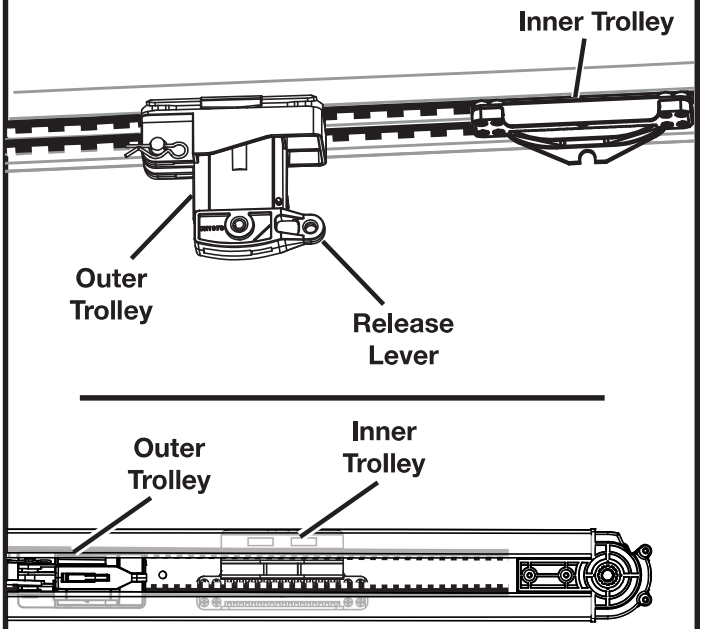


Fig. 10

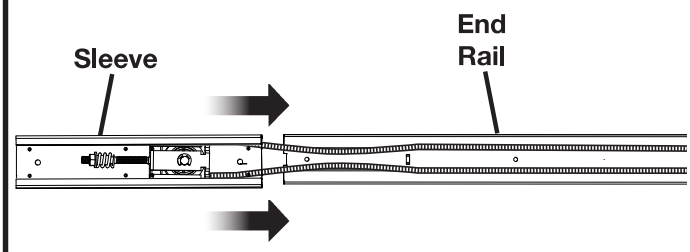


Fig. 11

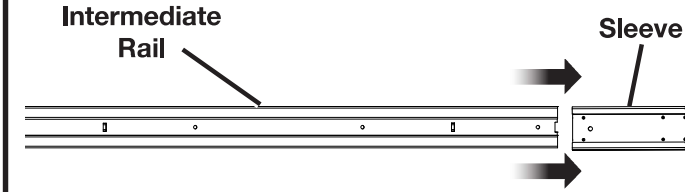


Fig. 12

ASSEMBLY

- Move the front pulley toward the middle of the front rail.
- Insert the edge of the front brace into the front rail. Slide together until brace clicks in place. If you cannot get the brace to fit by hand, try gently tapping it with a rubber mallet until it is snug.
- Pull the front pulley forward and slide the rod through the hole in the brace.
- Install spring and tension nut onto pulley rod.
- Move the inner and outer trolley to the middle of the rail assembly.

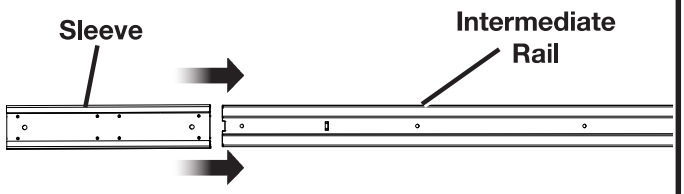


Fig. 13

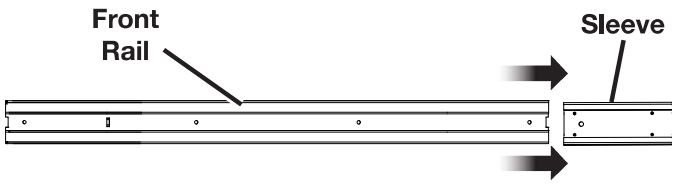


Fig. 14

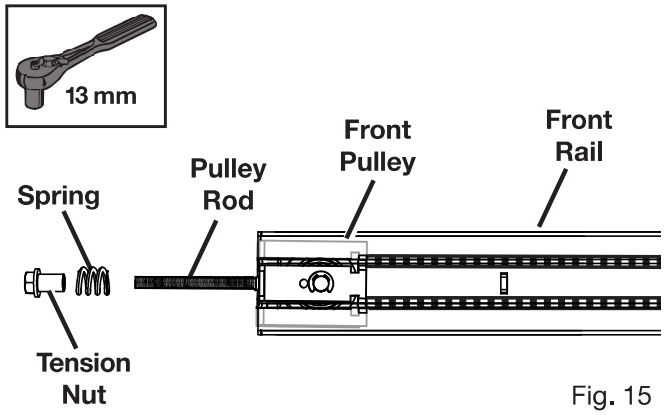


Fig. 15

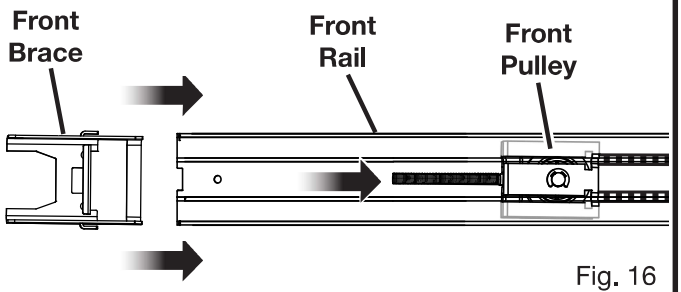


Fig. 16

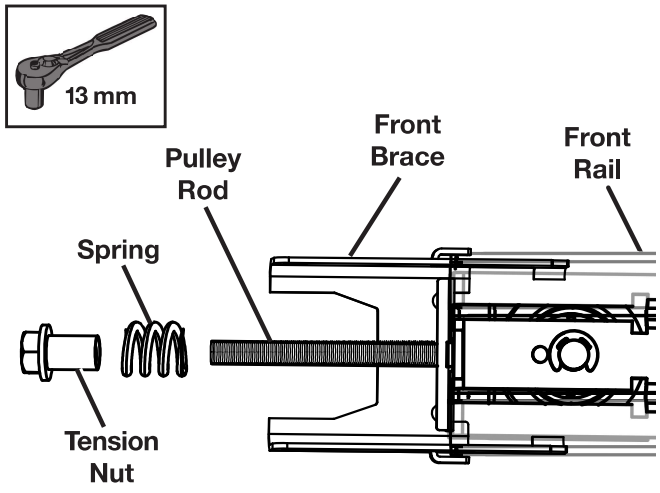


Fig. 17

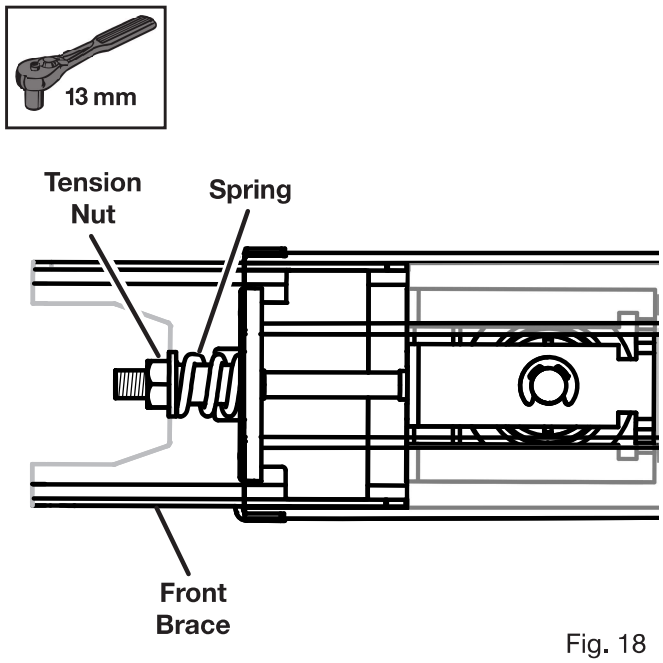


Fig. 18

ASSEMBLY

ADJUSTING THE BELT TENSION

See Figures 18 - 21.

- Using a 13 mm socket, turn the tension nut clockwise to tighten the belt and counter-clockwise to loosen it. Adjust the nut until there is approximately 3/8 to 1/2 in. of exposed thread showing above it or until the base of the nut is aligned with the edge of the brace.
- When properly tensioned, there should be about a 1/8 in. gap between the belt and the edges of the intermediate rail near the center of the rail assembly.

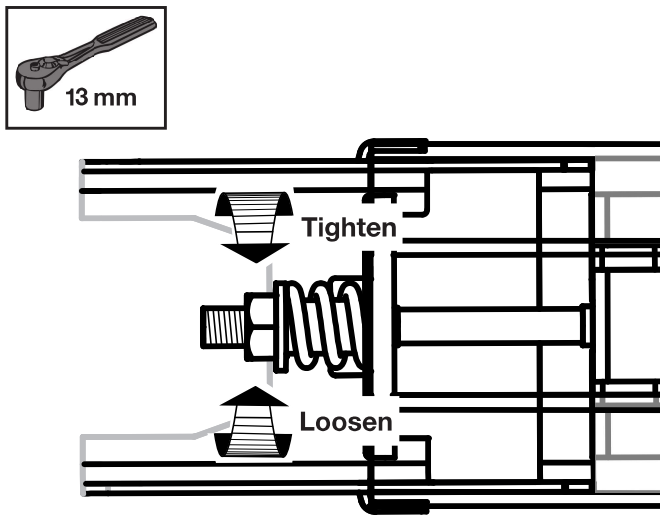


Fig. 19

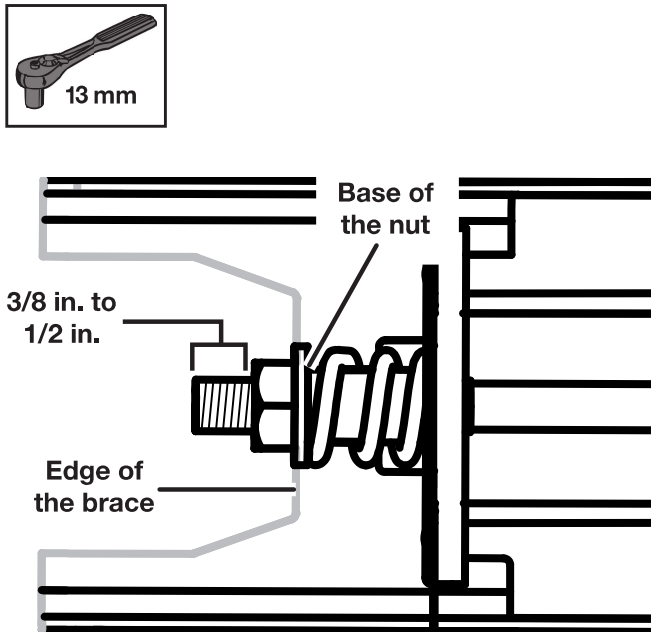


Fig. 20

ATTACHING RAIL ASSEMBLY TO POWER HEAD

See Figures 22 - 25.

- Locate the following items:

  Power Head

  Bracket (2)

  Nut (M6) [4]

  Sprocket

  Rail Assembly
- Place the power head on a towel or the packaging material with the light cover facing down. Do not place the unit directly on hard surfaces as this may damage the light cover and motion sensor.

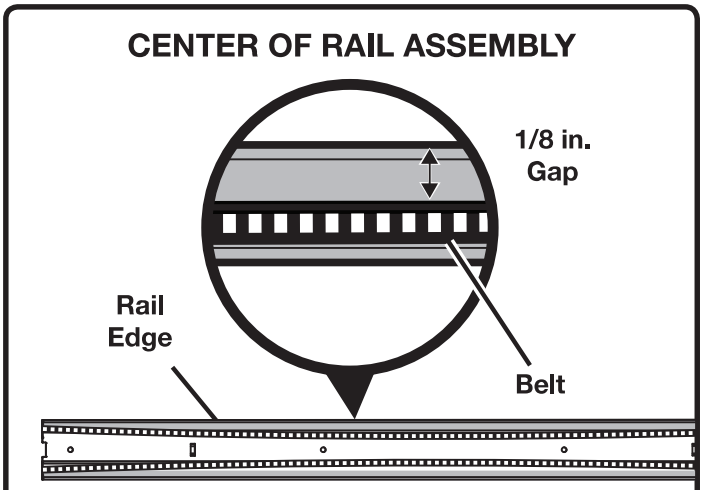


Fig. 21

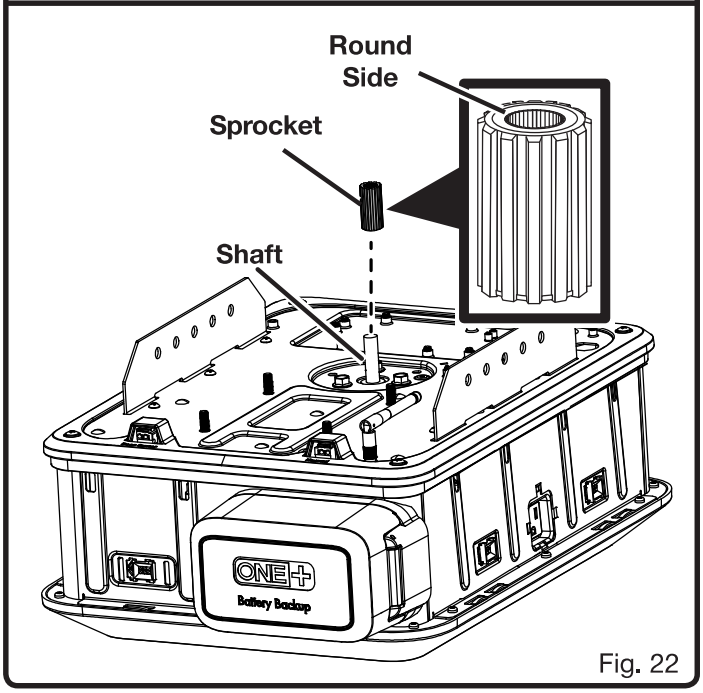


Fig. 22

ASSEMBLY

- Remove the tape securing the Wi-Fi antenna and raise it to an upright position to ensure the best Wi-Fi signal.

  NOTE: Ensure that the antenna is screwed into the power head securely.
- Place the sprocket onto the motor shaft with the round side of the sprocket facing up.
- Hold the rail assembly above the power head with arrow pointing toward the front of the power head and the garage door.
- Rotate the rail assembly until the opening in the rail is aligned with the sprocket.
- Lower the end rail onto the sprocket with the channel (open end) facing down. Slowly rotate the rail to the correct orientation as you lower it into position.
- When installed correctly, the teeth on the sprocket should engage the rail assembly and the rail should sit flat on the power head.
- Place the brackets on top of the studs, and over the end rail.
- Place nuts onto the studs and tighten using a 10 mm socket. **Do not overtighten.**

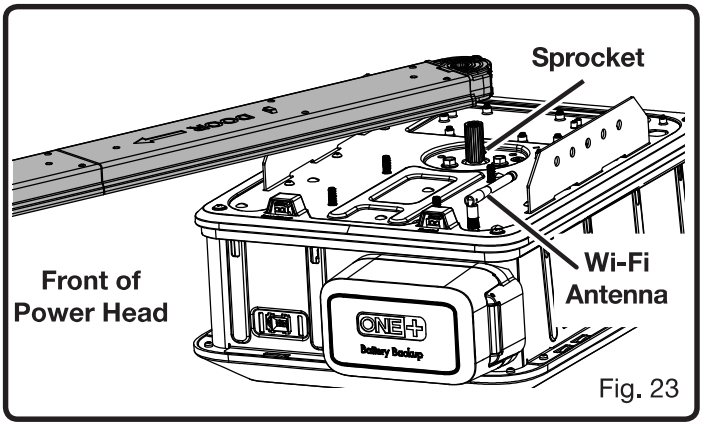


Fig. 23

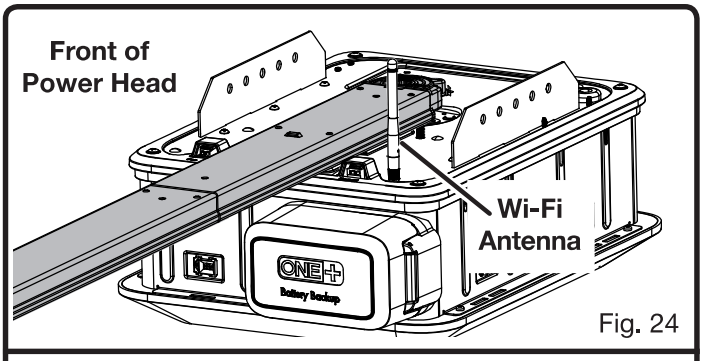


Fig. 24

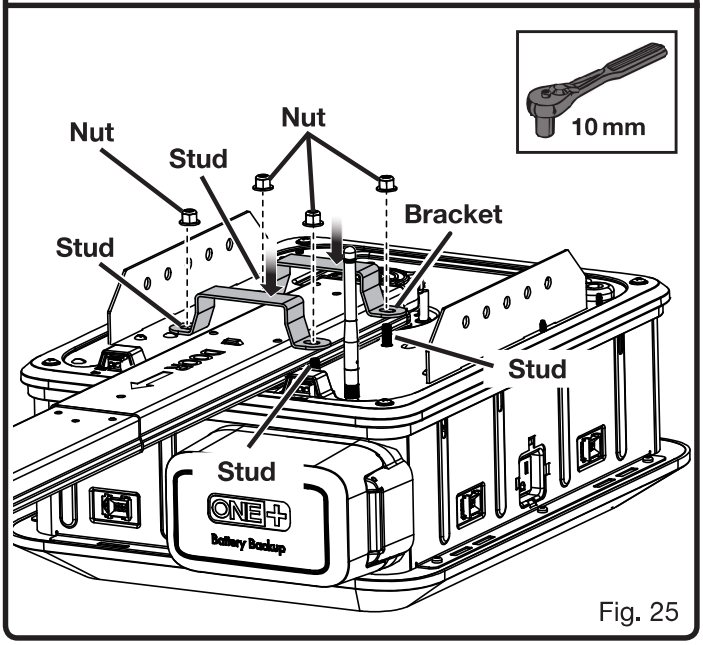


Fig. 25

INSTALLATION

IMPORTANT INSTALLATION INSTRUCTIONS

⚠ WARNING:

TO REDUCE THE RISK OF SEVERE INJURY OR DEATH:

1. READ AND FOLLOW ALL INSTALLATION INSTRUCTIONS.
2. Install only on a properly balanced garage door. An improperly balanced door could cause severe injury. Have a qualified service person make repairs to cables, spring assemblies and other hardware before installing opener.
3. Remove all ropes and remove or make inoperative all locks connected to the garage door before installing opener.
4. Where possible, install door opener 7 feet or more above the floor. For products having an emergency release, mount the emergency release within reach, but at least 6 feet above the floor and avoiding contact with vehicles to avoid accidental release.
5. Do not connect opener to source of power until instructed to do so.
6. Locate control button: (a) within sight of door, (b) at a minimum height of 5 feet so small children cannot reach it, and (c) away from all moving parts of the door.
7. Install Entrapment Warning Label next to the control button in a prominent location. Install the Emergency Release Marking. Attach the marking on or next to the emergency release.
8. After installing opener, the door must reverse when it contacts a 1-1/2 inch high object (or a 2 by 4 board laid flat) on the floor.
9. **WARNING:** To reduce the risk of injury to persons - Only enable the unattended operation feature when installed on a sectional door.

⚠ WARNING:

To reduce the risk of injury to persons – Only enable the RYOBI Garage Door Opener Module System App feature when installed with a sectional door.

⚠ WARNING:

Do not connect to power supply until installation is complete. Failure to comply could result in accidental starting and possible serious personal injury.

⚠ WARNING:

To avoid serious personal injury, make sure the garage door opener is mounted to joists. Never mount the unit to drywall or false ceiling grids.

⚠ WARNING:

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

NOTICE:

Many of the illustrations in this manual show only portions of the garage door opener. This is intentional so that we can clearly show points being made in the illustration. Never operate the garage door opener without all parts securely in place and in good operating condition.

⚠ WARNING:

If you feel uncomfortable performing any of the installation steps described in this manual, have the installation performed by a qualified service person. Improper installation of the garage door opener can result in death, serious personal injury, or property damage.

INSTALLATION

CHECK THE CONDITION OF THE DOOR AND IDENTIFY THE SPRING TYPE

See Figure 26 - 28.

⚠ WARNING:

If the garage door does not move smoothly, binds, or is out of balance, have it repaired or replaced by a qualified service person. An unbalanced or damaged garage door may not reverse on command, which can result in death or serious personal injury.

NOTICE:

The garage door opener may not function as intended if installed onto an unbalanced garage door.

- Remove any ropes attached to the garage door.
- Disable any and all door locks.
- Raise and lower the door to ensure it moves smoothly.
- Check the balance of the door. Raise the door until it is half open and release it. If properly balanced, the door will remain in this position without moving.

  NOTE: For single-panel garage doors, balance can be checked at two additional positions. Raise the door until it is nearly in the fully open position (about shoulder height) and release it. If properly balanced, the door should move to the fully open position. Lower the door until it is nearly in the fully closed position (about knee height). If properly balanced, the door should move to the fully closed position.
- If the door does not move smoothly, binds, or is out of balance, this could indicate a problem with the door, door springs (torsion spring and/or extension spring), or door spring components. Have the garage door or door springs repaired by a qualified service person before installing garage door opener.

⚠ WARNING:

Never attempt to loosen, adjust, or remove the door springs (torsion spring and/or extension spring), door spring components, or any surfaces to which these items are secured. These items are under extreme tension and any such alteration could result in death, serious personal injury, or property damage.

- If the door moves smoothly and is balanced, you may begin installing the garage door opener.

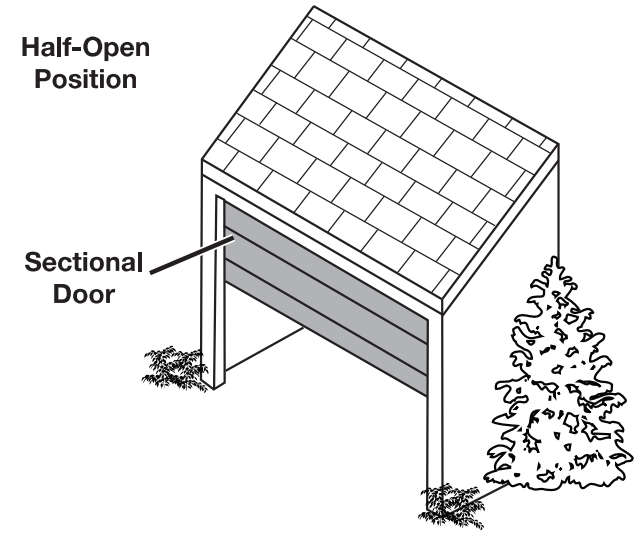


Fig. 26

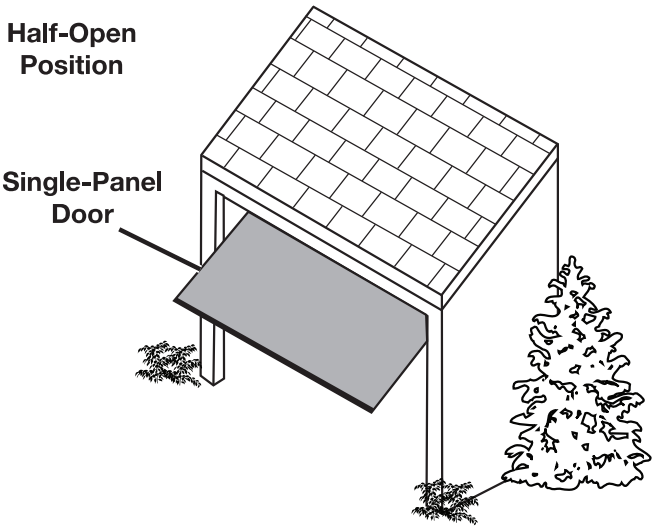


Fig. 27

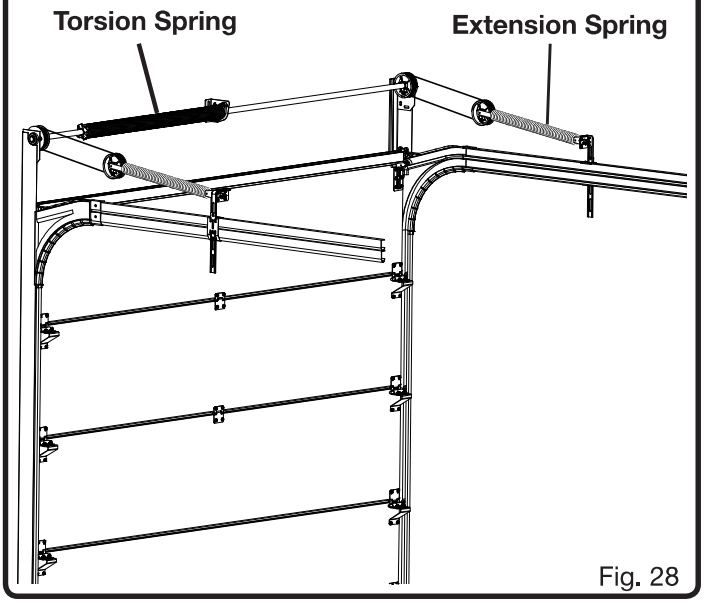


Fig. 28

INSTALLATION

INSTALLING THE HEADER BRACKET

See Figures 29 - 31.

⚠ WARNING:

To avoid serious personal injury, attach header bracket to sound structural support on header wall. NEVER install the header bracket into weak surfaces such as drywall that can cause the header bracket to fall.

⚠ WARNING:

ALWAYS use lag screws and concrete anchors (not included) when installing the header bracket or 2x4 into concrete, brick, or other masonry. Failure to properly install the header bracket and associated hardware can result in a falling object hazard and result in death or serious personal injury.

⚠ WARNING:

Only install screws, bolts, anchors, and other hardware into sound structural supports in areas where no electrical wires, utility cables, pipes, or other obstructions are located. Contact your local utility company or a qualified electrician if you are unsure. Ensure all hardware components are securely installed to prevent falling objects. Failure to follow these instructions can result in death, electrical shock, or other serious personal injury.

Always install the header bracket onto a sturdy surface. The force required to raise and lower the garage door could pull the bracket and mounting hardware out of weak surfaces such as drywall. For some installations, it may be neccesary to create a suitable location for the bracket by installing a 2 x 4 board. The 2 x 4 board can be installed between two studs or into masonry using lag screws and concrete anchors (not supplied).

- Locate the following items:

  Header Bracket

  Lag Screw (M8 x 2 in.) [4]

To install the bracket to the header wall:

- Lower the garage door completely.
- Using a pencil and a level, draw a vertical line in the center of the top portion of the garage door.
- Continue drawing the center line from the door to the header wall. Extend the line to about a foot above the garage door or as far as possible.

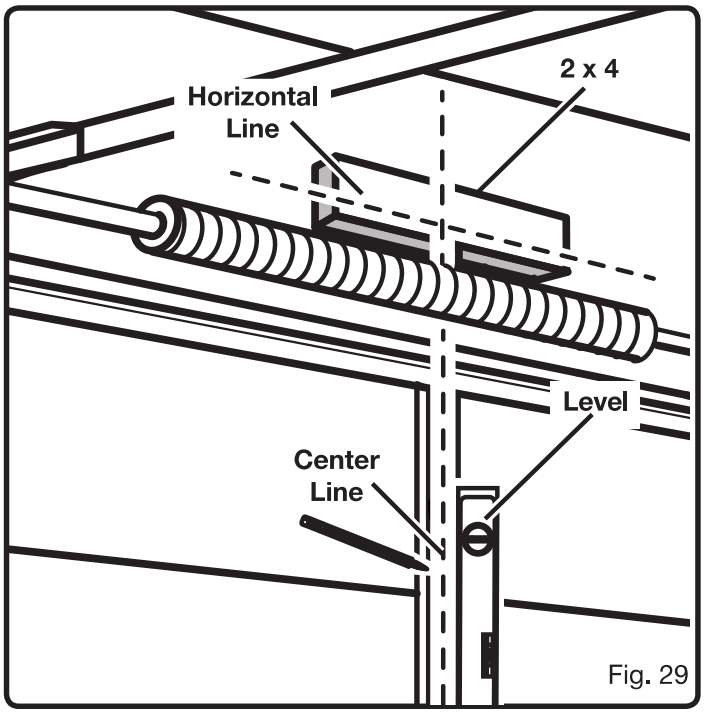


Fig. 29

INSTALLATION

- Stand on a ladder near the garage door as someone slowly raises it. While it's moving, find and mark the highest point of travel along the center line. The high point will vary based on the type and construction of your garage door, but typically it will be 10-12 inches above the top of the door.

⚠ WARNING:

Use extreme care when standing on a ladder. Ensure someone is holding the ladder on the ground to keep it stable. Failure to safely use a ladder can cause a fall and result in death or serious personal injury.

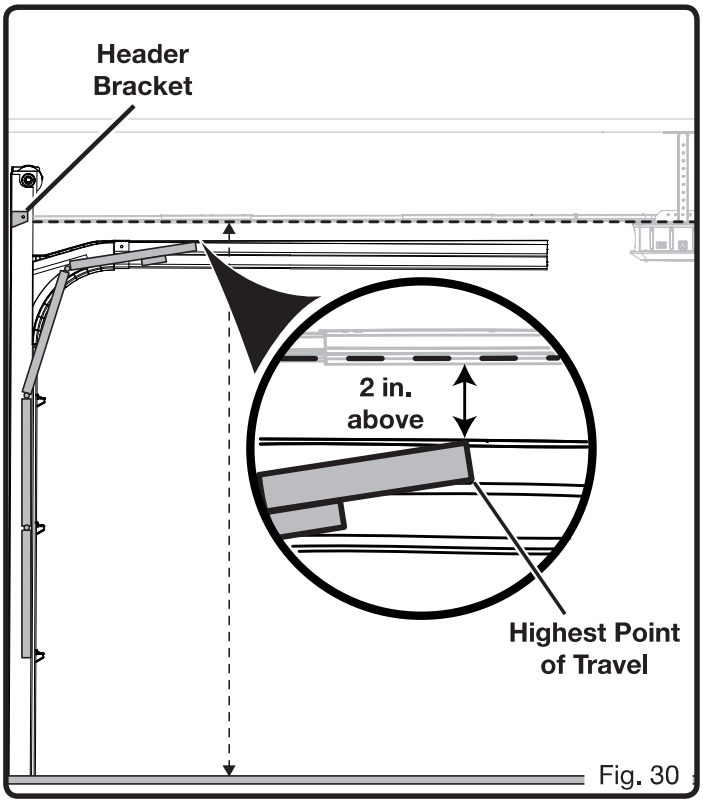


Fig. 30

- Draw a bisecting horizontal line above the high point:
  - **For sectional or single-panel garage doors with tracks**, the line should be approximately two inches above the high point.
  - **For single-panel garage doors without tracks**, the line should be approximately 8 in. above the high point.

  NOTE: The position of the horizontal line will determine the clearance between the top of the door and the rail assembly. If the height of your garage prohibits you from drawing the line as specified above, draw it as far above the high point as possible.
- Orient the header bracket as shown in figure 31.
- Place the bottom edge of the header bracket on the horizontal line and center the bracket on the center line.
- Mark the holes in the bracket.
- Drill 3/16 in. pilot holes and secure the bracket in place using lag screws. Install screws with a 13 mm socket.

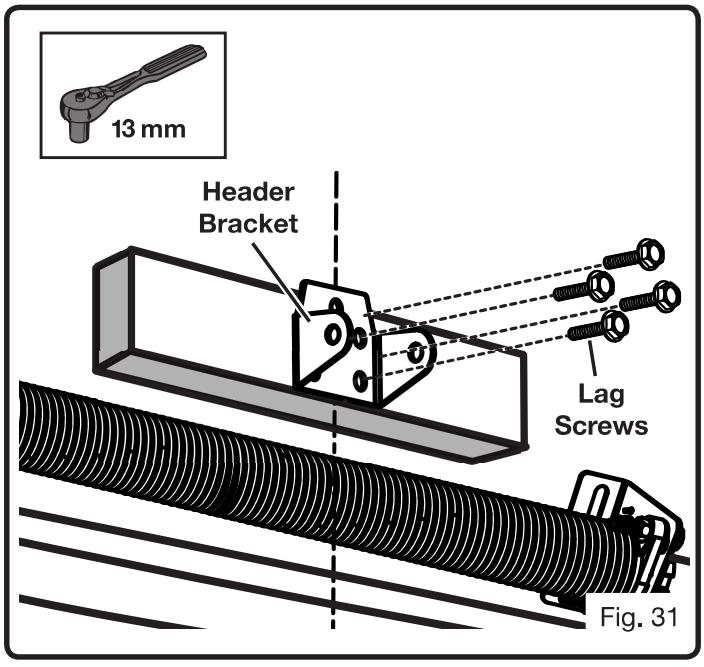


Fig. 31

INSTALLATION

ATTACHING RAIL ASSEMBLY TO HEADER BRACKET

See Figure 32.

- Locate the following items:

  Large Clevis Pin

  Hitch Pin
- Place the power head on top of a prop or on the ground with a towel or packaging material beneath it.
- Angle the rail assembly so that it rests against the header bracket.

  NOTE: If a door spring or other obstruction is in the way, have someone hold the garage door opener or help to balance it on a raised support while you position the rail assembly.
- Align the holes in the bracket with the holes in the rail assembly as shown.
- Insert large clevis pin and secure with hitch pin.

  NOTE: The hitch pin should be installed into the first hole closest to the head of the pin.

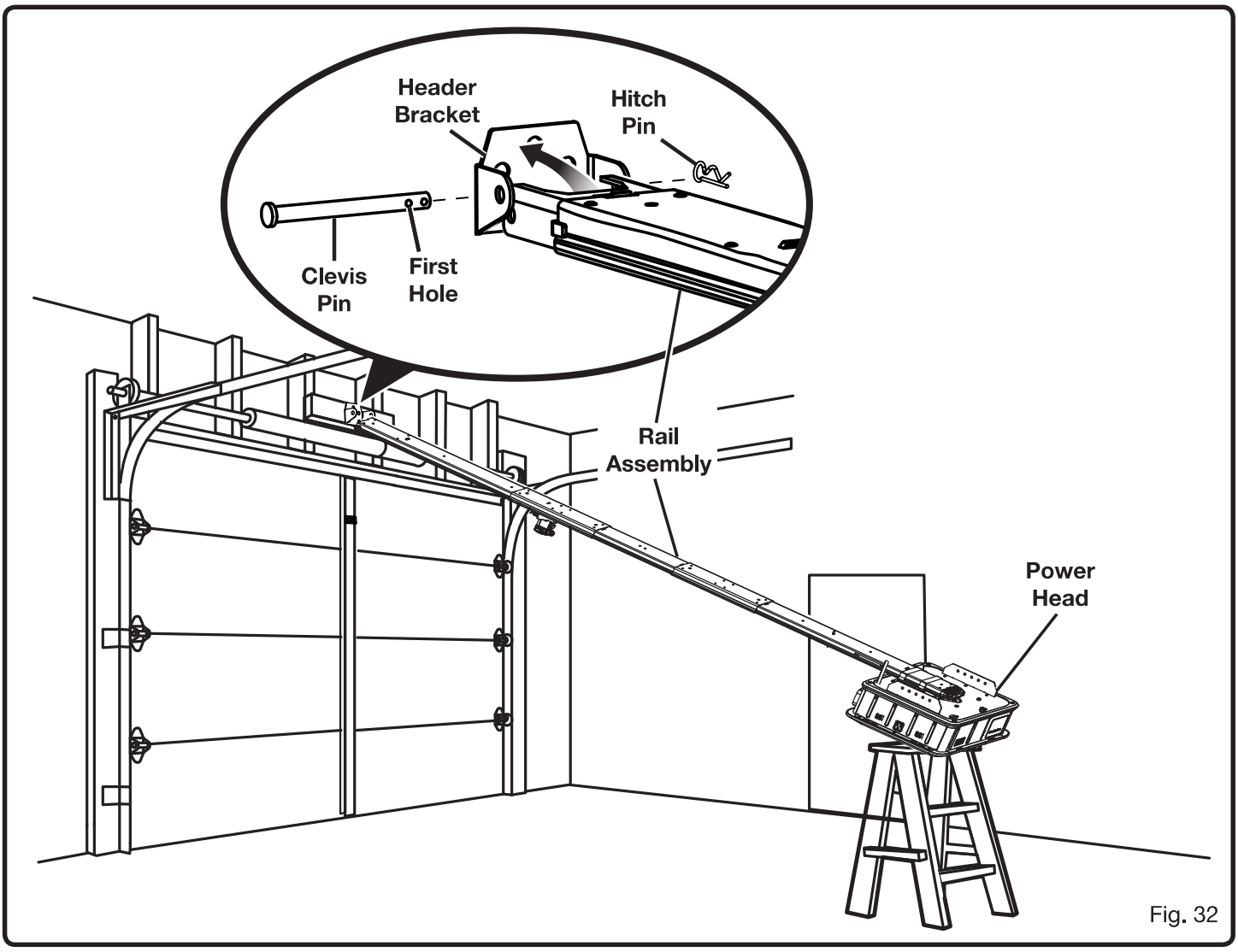


Fig. 32

INSTALLATION

MOUNTING THE POWER HEAD TO THE CEILING

See Figures 33 - 38.

⚠ WARNING:

Mount garage door opener to sound structural support on ceiling. NEVER mount the garage door to drywall or false ceiling grids. ALWAYS use concrete anchors when installing brackets into concrete, brick, or other masonry. Failure to properly mount the power head can cause it to fall and could result in death, serious personal injury, or property damage.

- Locate the following items:
  Mounting Strap (2)
  Bolt (M6 x 3/4 in.) [6]
  Washer (M6) [6]
  Nut (M6) [6]
- Lower the garage door completely.
- Measure the space between the header bracket and the ceiling.
  NOTE: For unfinished ceilings, measure the space between the header bracket and the nearest joists on either side.
- Carefully lift the power head and place it on top of a ladder.
- Move the power head until it is aligned with the header bracket and the rail assembly is over the center line of the door.
- Pull the trolley release lever down and slide outer trolley completely toward the power head.

NOTE: The proper configuration and placement of brackets and mounting straps will vary based on the design and construction of your garage ceiling. Figures 34 - 38 are meant to serve as examples but your setup may vary.

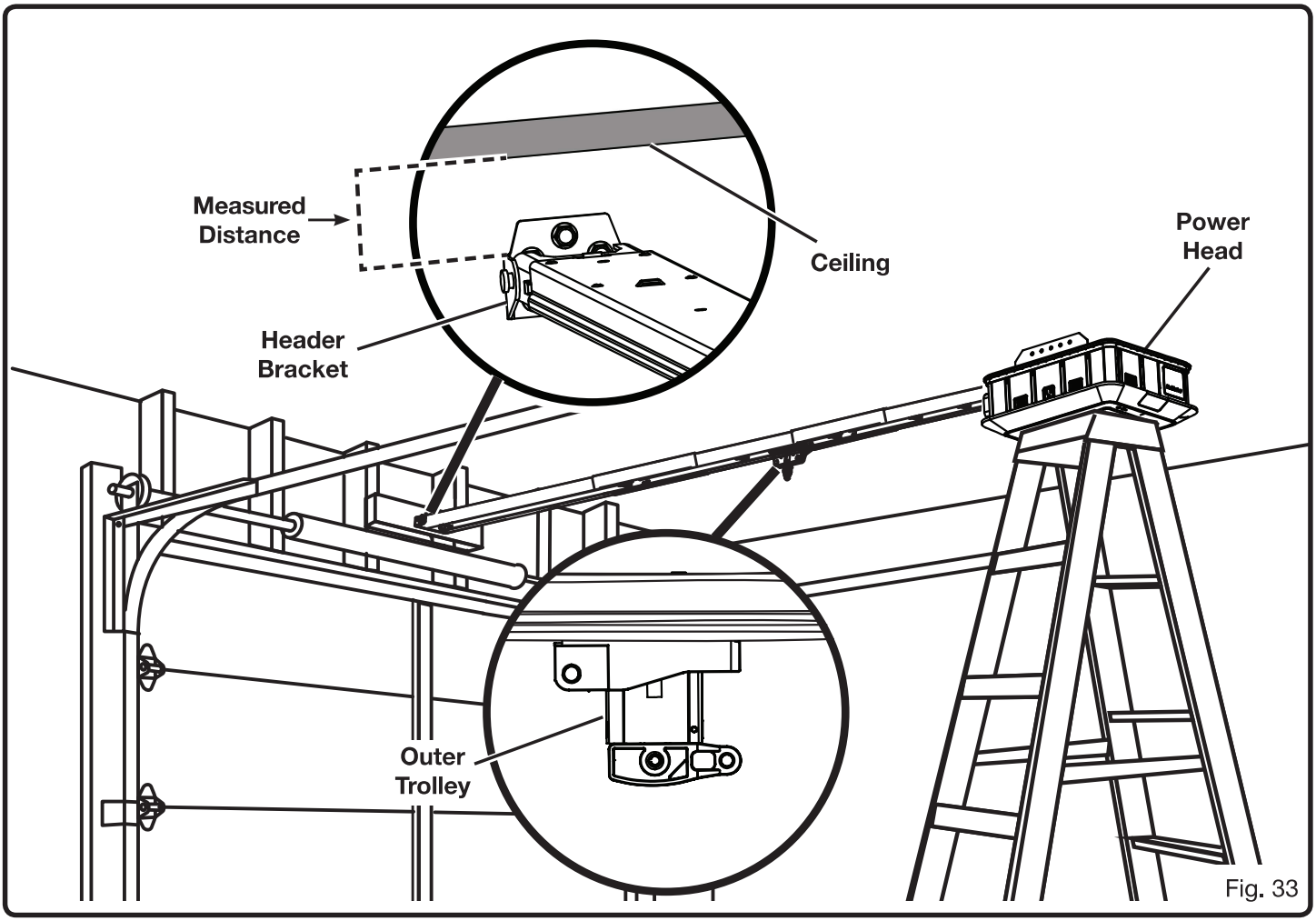


Fig. 33

INSTALLATION

To mount the power head to finished ceilings:

- Install center bracket or brackets (not supplied) to the nearest joists or other structural supports in garage ceiling using lag screws (not supplied).
- Using a hack saw, cut pieces of the mounting straps that are a half inch longer than the measured length between the header bracket and the ceiling.

  NOTE: Mounting straps that will be attached diagonally should be cut longer than the vertical measured distance in figure 33.
- Connect straps to garage door opener and brackets using bolts, washers, and nuts. Tighten bolts and nuts with a 10 mm socket.

  NOTE: Install straps and nuts on the inside of the brackets (facing the rail).
- Remove the ladder and raise the door. If there isn't enough clearance between the rail assembly and the door, move the header bracket up and repeat the steps above.

To mount the power head to unfinished ceilings:

- Using a hack saw, cut pieces of the mounting straps that are a half inch longer than the measured lengths between the header bracket and the nearest joists on either side.

  NOTE: Mounting straps that will be attached diagonally should be cut longer than the vertical measured distance in figure 33.

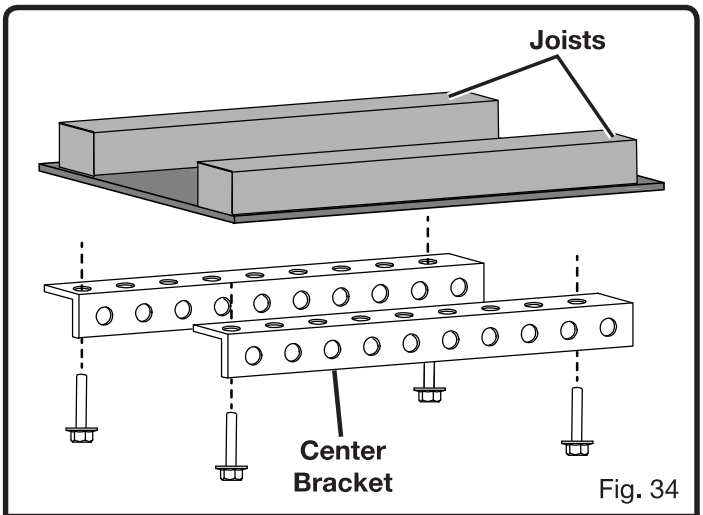


Fig. 34

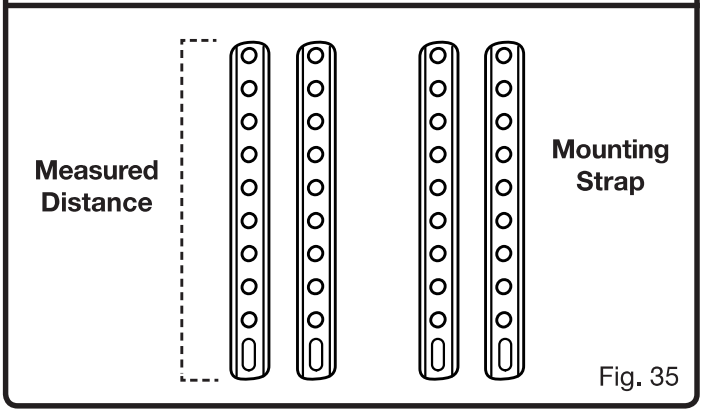


Fig. 35

- Connect straps to garage door opener and to the joists using bolts, washers, and nuts (see figure 38). Tighten bolts and nuts with a 10 mm socket.

  NOTE: Install straps and nuts on the inside of the brackets (facing the rail).
- Remove the ladder and raise the door. If there isn't enough clearance between the rail assembly and the door, move the header bracket up and repeat the steps above.

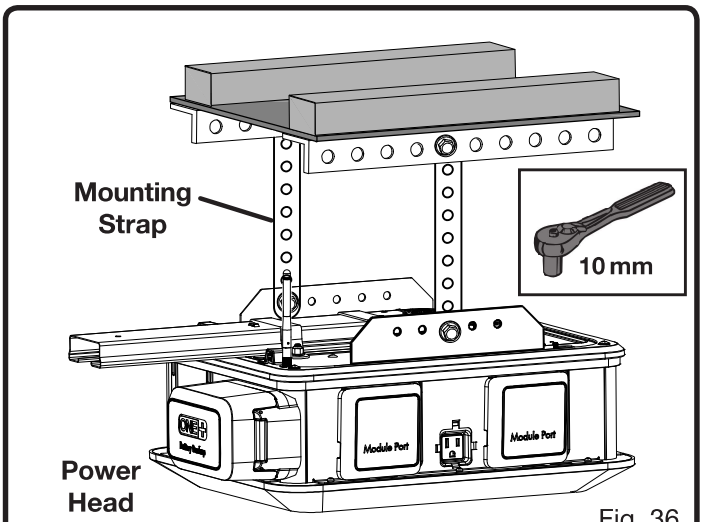


Fig. 36

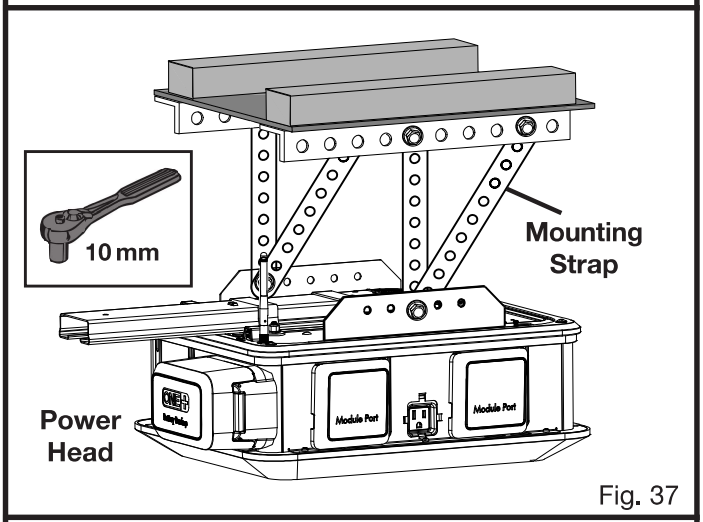


Fig. 37

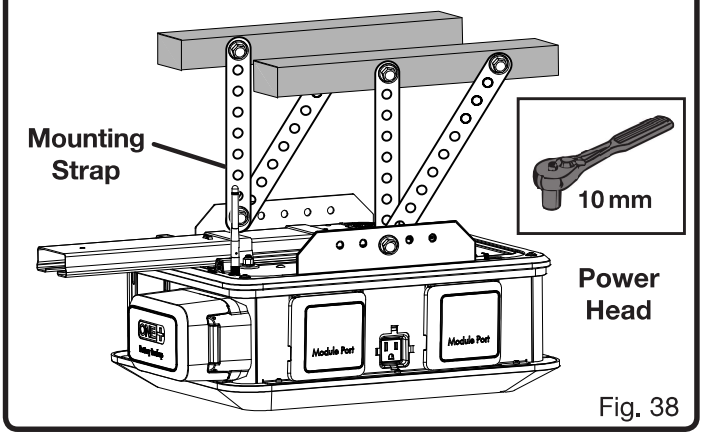


Fig. 38

INSTALLATION

POSITIONING THE RF ANTENNA

See Figure 39.

- Remove the tape securing the RF antenna.
- Carefully move the antenna so it hangs below the opener.

  NOTE: If the RF antenna is not positioned below the opener, the signal reception between the opener and the outdoor keypad or car remotes may be weakened.

ATTACHING THE EMERGENCY RELEASE ROPE

See Figures 40.

⚠ WARNING:

Do not engage the emergency release while the garage door is open, do not use the emergency release rope to raise or lower the garage door, and only engage the emergency release when the door way is clear of all people, pets, and obstructions. Failure to properly engage the emergency release can result in death or serious personal injury resulting from a falling garage door.

- Locate the following item:

  Emergency Release Rope

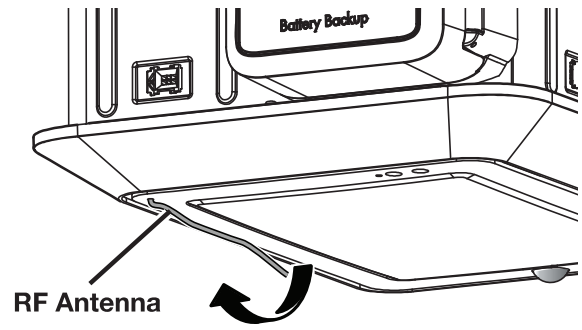


Fig. 39

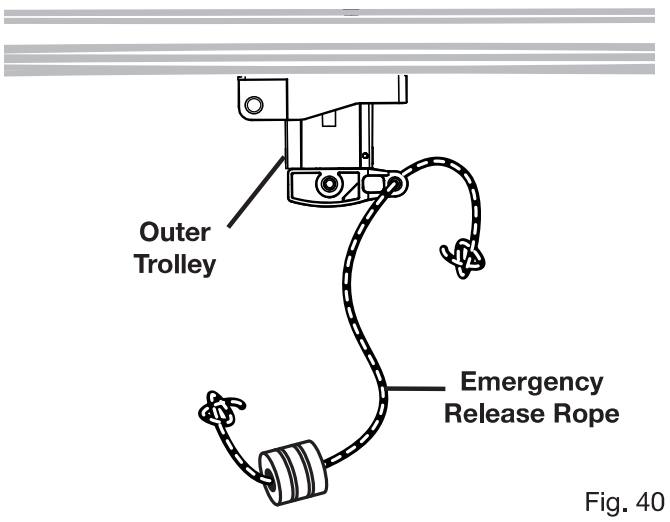


Fig. 40

- Lower the garage door completely.
- Insert one end of the emergency release rope through the hole in the handle and tie a knot at the bottom.
- Insert the other end of the emergency release rope through the hole in the trolley release lever. Pull the rope up until it is approximately six feet above the garage floor, then tie a knot.

INSTALLING THE DOOR BRACKET

See Figures 41 - 44.

- Locate the following items:

  Door Bracket

  Self-tapping Screws (2)

NOTICE:

Before installing the door bracket, ensure that your door has proper horizontal and vertical support. Aluminum, fiberglass, and other light weight garage doors may require vertical or horizontal reinforcement. Check with your garage door manufacturer or installer for reinforcement instructions. Installing a garage door opener on a door that is not properly supported could damage the door and void the door warranty.

To install the bracket on sectional garage doors:

- Lower the garage door completely.
- Using a pencil and a level, draw a vertical line in the center of the top portion of the garage door.
- Center the bracket on the line and place it just below the top of the door or at the same approximate height as the top roller.

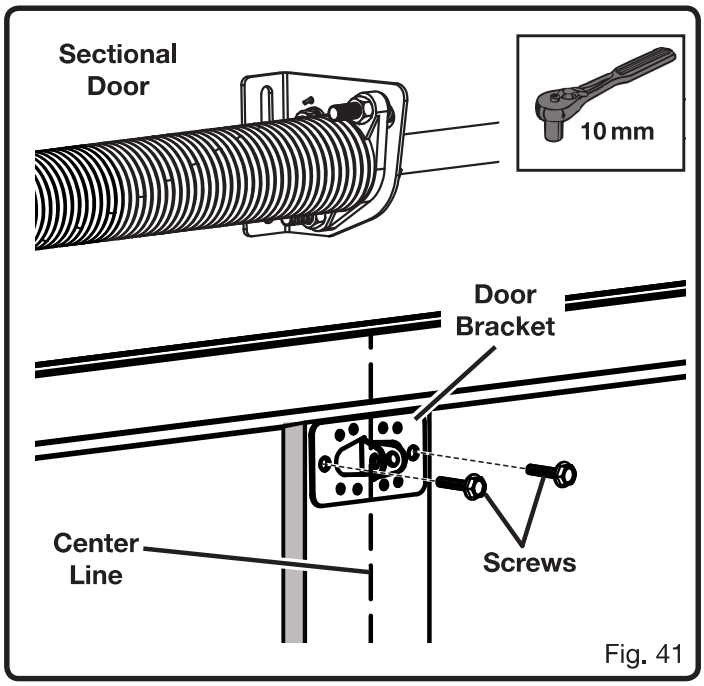


Fig. 41

INSTALLATION

- Mark the middle holes on the left and right of the bracket.
- Secure the bracket in place by installing self-tapping screws in the center holes on the left and right sides of the bracket. Tighten screws with a 10 mm socket.

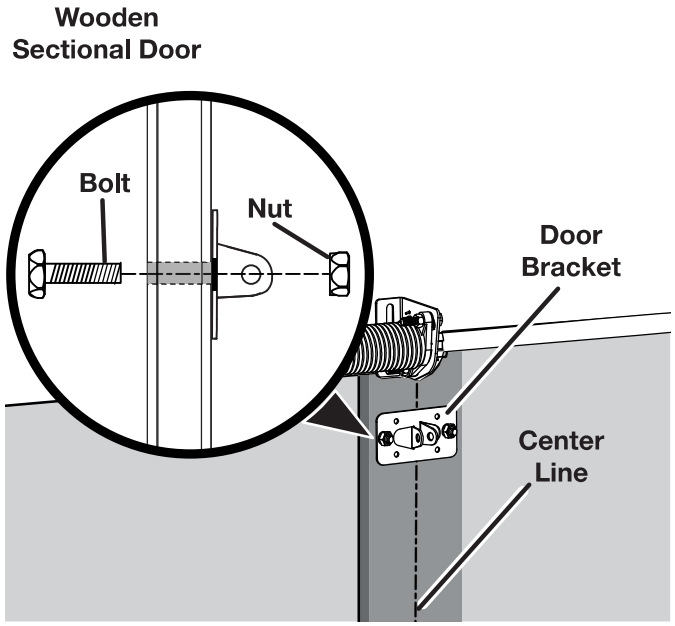


Fig. 42

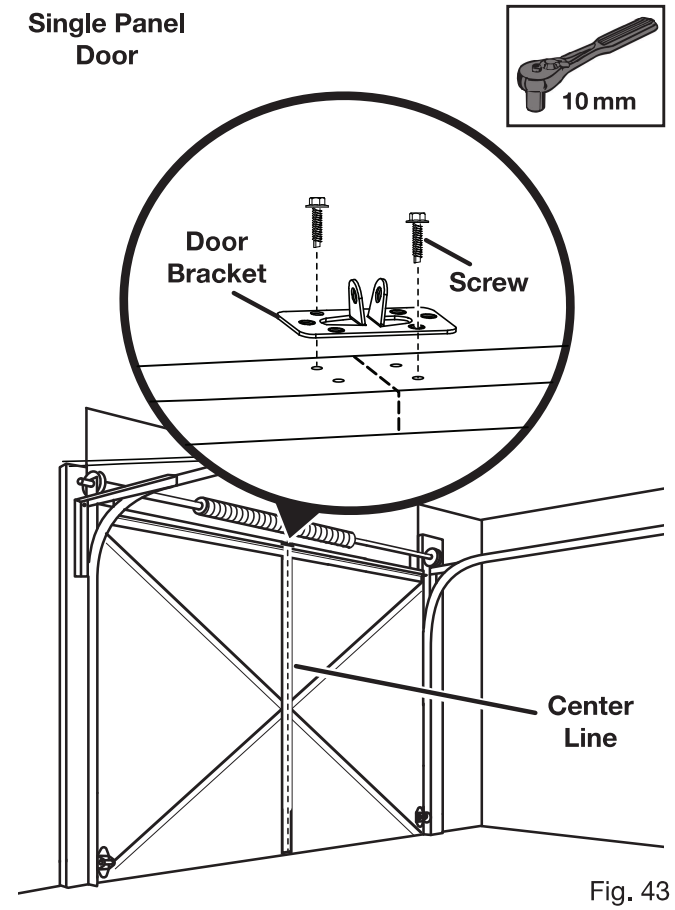


Fig. 43

NOTE: For wooden doors, drill hole completely through the door and install bracket using bolts (not provided) and nuts (not provided), see figure 42.

To install the bracket on single-panel doors:

- Lower the garage door completely.
- Using a pencil and a level, draw a vertical line in the center of the top portion of the garage door.
- Extend the line across the top edge of the door.
- Place the door bracket on the top edge of the door and center it on the line.

  NOTE: The bracket can also be placed on the front upper portion of the door if necessary.
- Mark the holes in the bracket.
- Secure the bracket in place using screws. Tighten screws with a 10 mm socket.

  NOTE: For wooden doors, drill hole completely through the door and install bracket using bolts (not provided) and nuts (not provided).

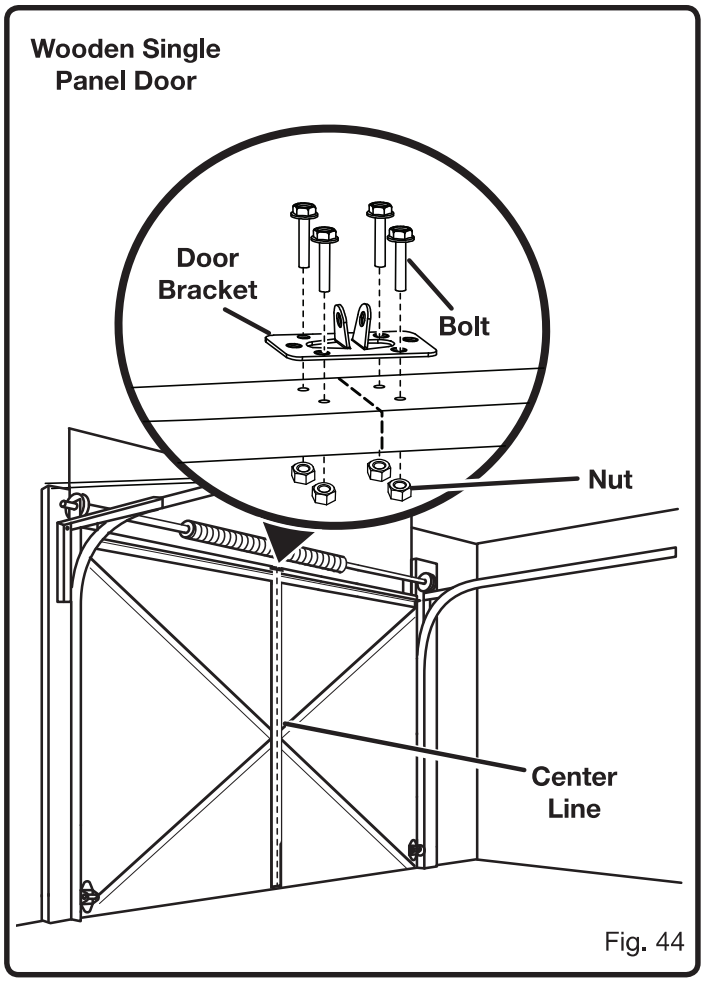


Fig. 44

INSTALLATION

CONNECTING DOOR BRACKET TO OUTER TROLLEY

See Figures 45 - 50.

- Locate the following items:

  Curved Door Arm
  Straight Door Arm
  Medium Clevis Pin
  Small Clevis Pin
  Hitch pins (2)
  Bolts (M8 x 1 in.) [2]
  Lock Nuts (M8) [2]

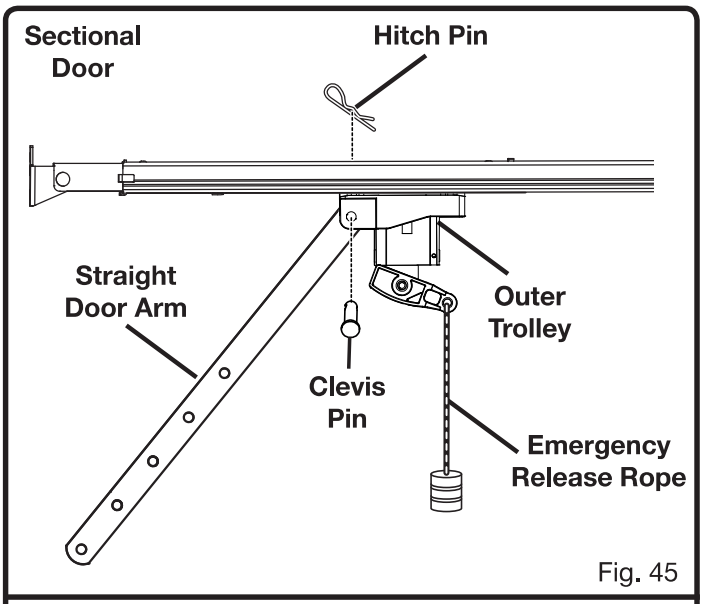


Fig. 45

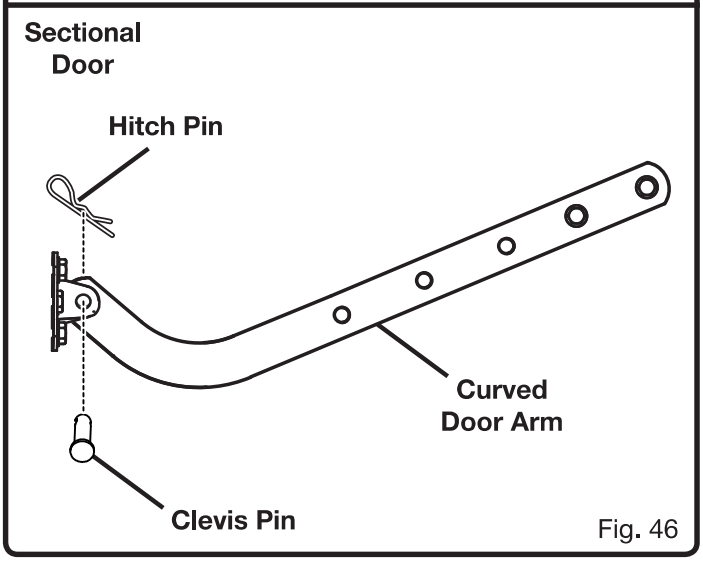


Fig. 46

To connect sectional doors:

- Lower the garage door completely.
- Pull the emergency release rope down and slide outer trolley toward the garage door.
- Secure straight door arm to the rear of the outer trolley using medium clevis pin and hitch pin.
- Secure curved door arm to the door bracket using small clevis pin and hitch pin.
- Bring the curved and straight arms together. Choose two sets of aligned holes and install bolts and nuts. Tighten bolts and nuts with a 13 mm socket.

  NOTE: For better rigidity, install fasteners in holes that are as far apart as possible.

  NOTE: If the holes in the arm do not align, remove the straight door arm and reattach it in the reverse position.
- If the straight door arm hangs too low after assembly, you can shorten the length of the arm by cutting off up to 6 inches.

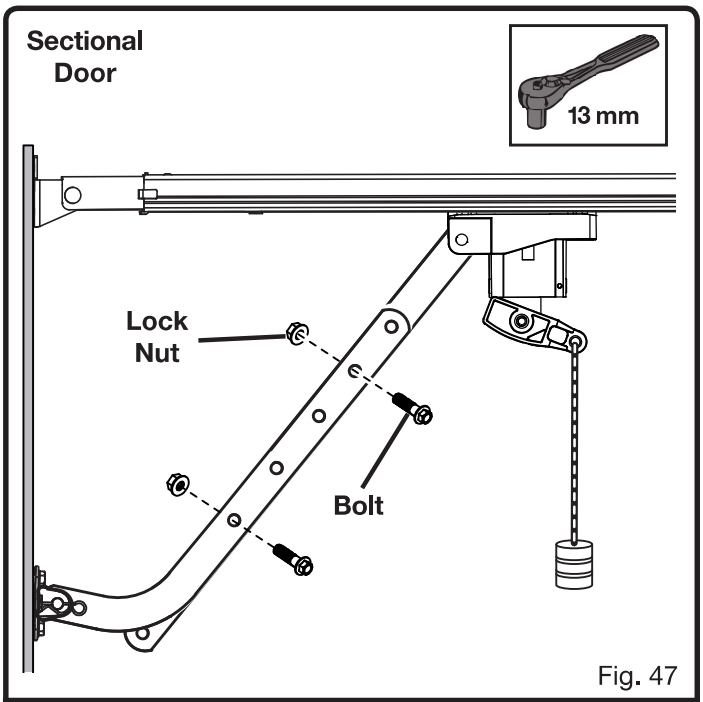


Fig. 47

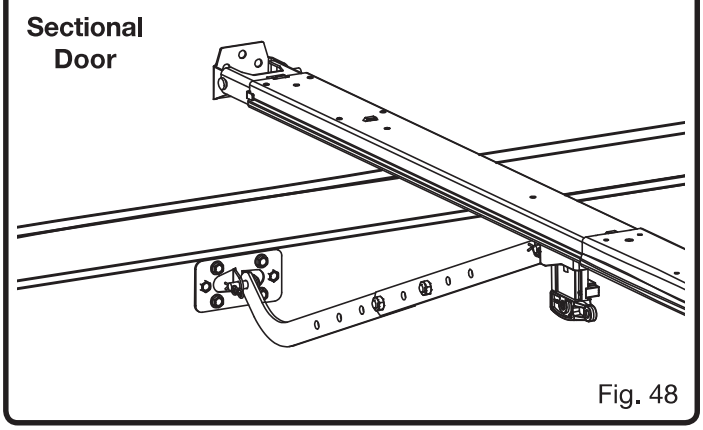


Fig. 48

INSTALLATION

To connect single-panel doors:

- Lower the garage door completely.
- Pull the emergency release rope down and slide outer trolley toward the garage door.
- Place the curved and straight arms together and align the holes.
- Choose two sets of aligned holes and install bolts and nuts. Tighten bolts and nuts with a 13 mm socket.

  NOTE: For better rigidity, install fasteners in holes that are as far apart as possible.
- Secure straight door arm to the door bracket using small clevis pin and hitch pin.
- Secure curved door arm to the rear of the outer trolley using medium clevis pin and hitch pin.

INSTALLING THE SAFETY SENSORS

See Figures 51 - 56.

- Locate the following items:

  Safety Sensors (2)

  Insulated Staples (approx. 16)

  Wing Nut (2)

  Bracket (2)

  Nail (2 in.) [2]

  Lag Screw (M8 x 1.5 in.) [2]

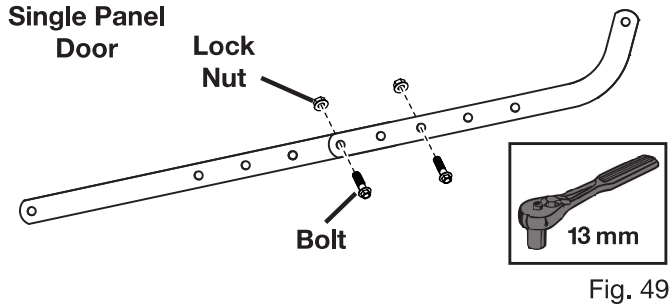


Fig. 49

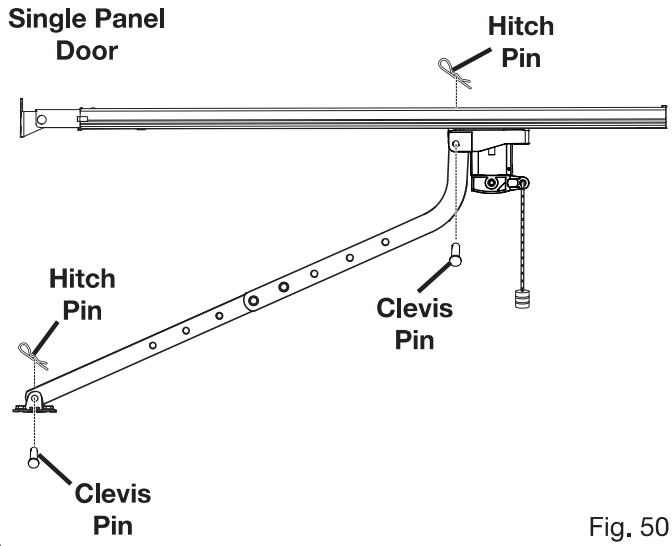


Fig. 50

⚠ WARNING:

DO NOT operate the garage door opener unless the safety sensors are installed and working correctly. Failure to properly install and ensure that the safety sensors are working correctly can result in death or serious personal injury.

⚠ WARNING:

The top of the sensor should be between four and six inches above the floor. This will ensure that the door reverses should a child, pet, or small object move beneath the door as it lowers. Improper placement of the safety sensors can result in death or serious personal injury.

⚠ WARNING:

The effectiveness of the safety sensors included in this system directly relates to the placement and installation of the sensors. Incorrect placement or installation could prevent the sensors from working as intended and result in death or serious personal injury.

- Assemble the safety sensors by inserting the sensor stud through the long slot in the bracket and securing with a wing nut.
- Lower the garage door completely.
- Position both sensors on either side of the interior of the garage door and point the lenses toward each other. The arrow should be facing up.

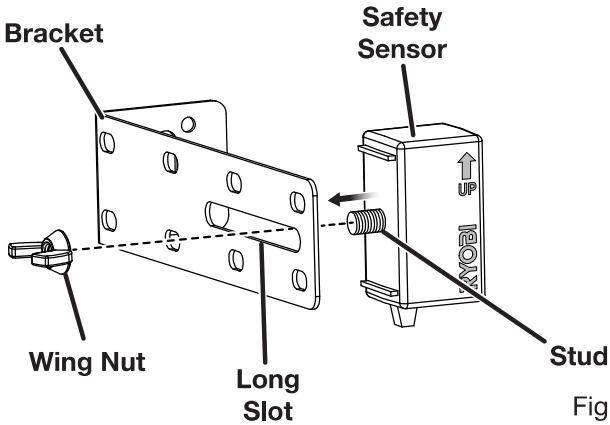


Fig. 51

INSTALLATION

NOTE: The top of the sensor should be between four and six inches above the floor.

NOTE: The receiving sensor has a green LED. Ensure that the lens on this sensor is not exposed to direct sunlight.

- Mark the position of the hole in the bracket.
- Secure brackets in place using nails or drill 3/16 in. pilot holes and secure with lag screws. Tighten screws with an 11 mm socket.

NOTE: Use lag screws and concrete anchors (not included) when installing the brackets into concrete, brick, or other masonry.

⚠ WARNING:

To avoid the risk of death, electric shock, or serious personal injury ensure that the garage door opener is unplugged and the battery pack is removed before wiring the sensors.

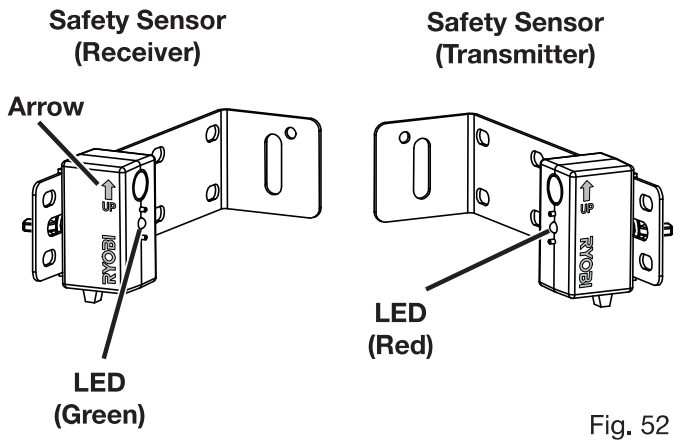


Fig. 52

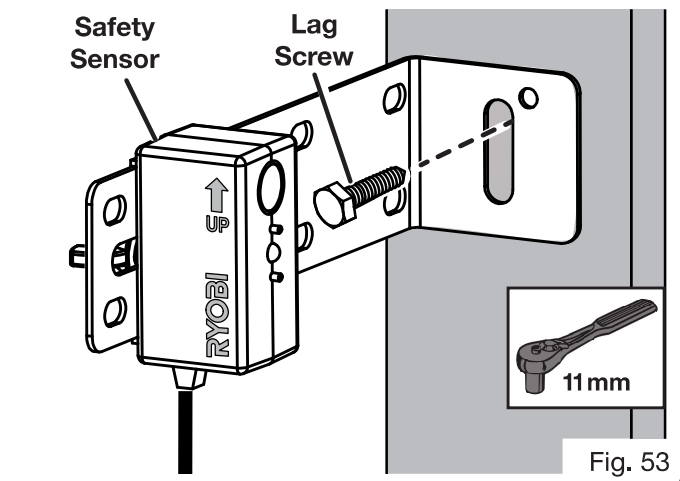


Fig. 53

⚠ WARNING:

Connect the sensors using low voltage wires provided only to prevent the risk of electric shock or serious personal injury.

- Route the wires from the sensors to the door sensor wire terminals. Attach the wires to the wall and ceiling using the insulated staples. Secure the staples to the wall and ceiling using a hammer.
- Using wire strippers, strip 1/2 in. of insulation from the ends of each wire.
- To install or remove wires from a wire terminal, depress the tab beside the terminal.
- Twist the gray striped wires from both sensors together and insert them into the right door sensor terminal marked with G.

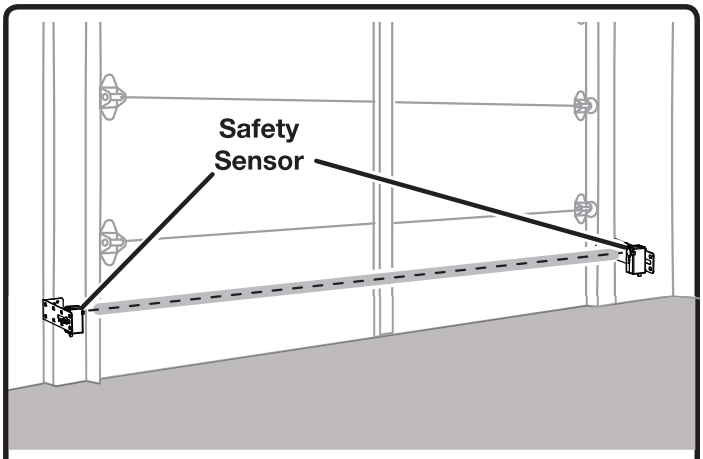


Fig. 54

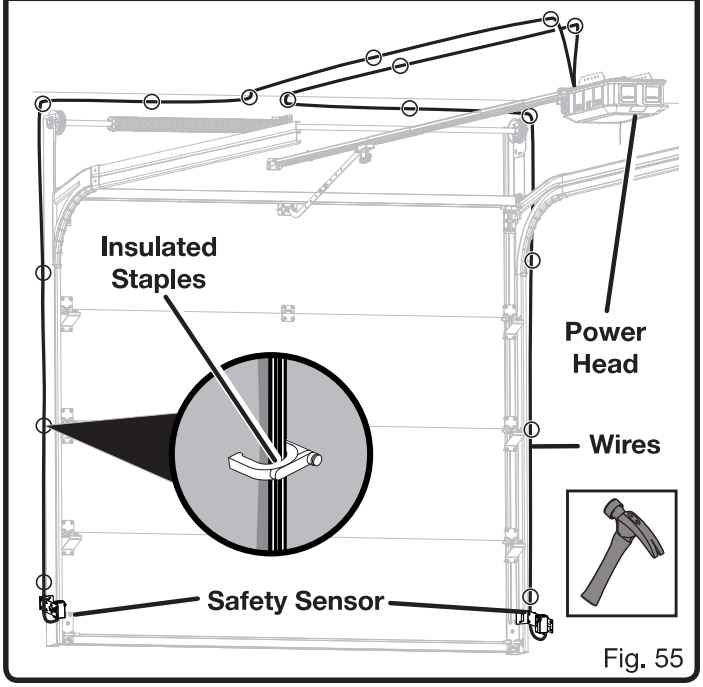


Fig. 55

INSTALLATION

- Twist the white wires from both sensors together and insert them into the left terminal marked with W.
- For alignment instructions, see **Aligning The Safety Sensors** in the *Operations* section.

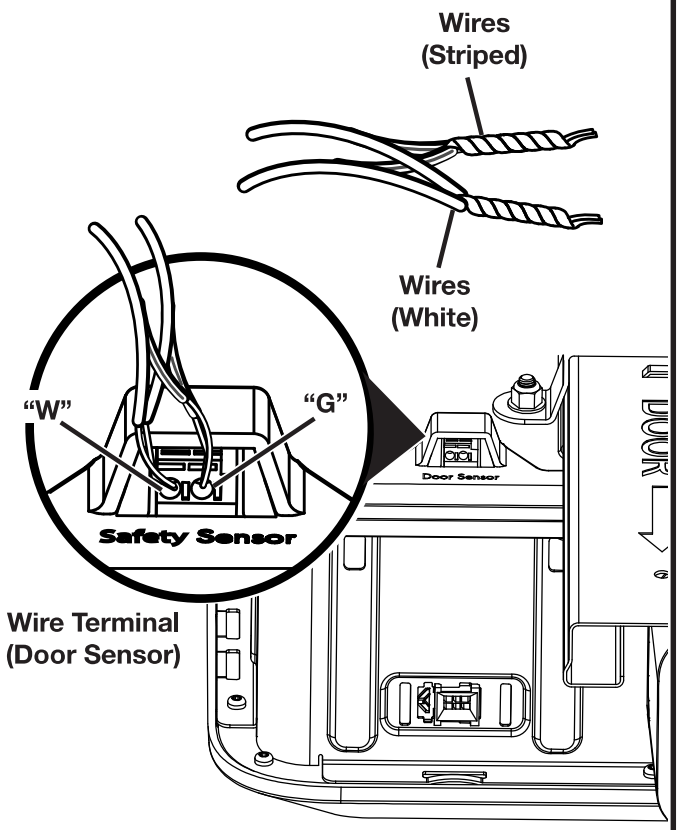


Fig. 56

INSTALLING THE INDOOR KEYPAD

See Figures 57 - 61.

- Locate the following items:

  Indoor Keypad

  Low Voltage Wire

  Insulated Staples (approx. 14)

  Entrapment Label

  Screws (1 in., Phillips Hd.) [2]

  Drywall Anchors (2)

⚠ WARNING:

Do not use garage door opener if keypads or remotes do not start and stop the motor. An opener that cannot be controlled with a keypad or remote is dangerous, can result in death or serious personal injury, and must be repaired.

⚠ WARNING:

Make sure the keypad is mounted high enough to prevent unauthorized activation of the garage door opener. It should be placed at least five feet above the floor so that it is inaccessible to children. Unauthorized activation of the opener can result in death or serious personal injury.

⚠ WARNING:

Do not start or stop the garage door opener if there is a person or object in the path of the door, the door has not been properly balanced, or if you cannot see the doorway. Failure to follow these instructions can result in death or serious personal injury.

⚠ WARNING:

To avoid the risk of death, electric shock, or serious personal injury ensure that the garage door opener is unplugged and the battery pack is removed before wiring the keypad.

⚠ WARNING:

Connect the keypad using low voltage wires provided only to prevent the risk of electric shock or serious personal injury.

- Find desired location indoors and in sight of the garage door.

  NOTE: The keypad should be at least five feet above the floor so it is inaccessible to children.

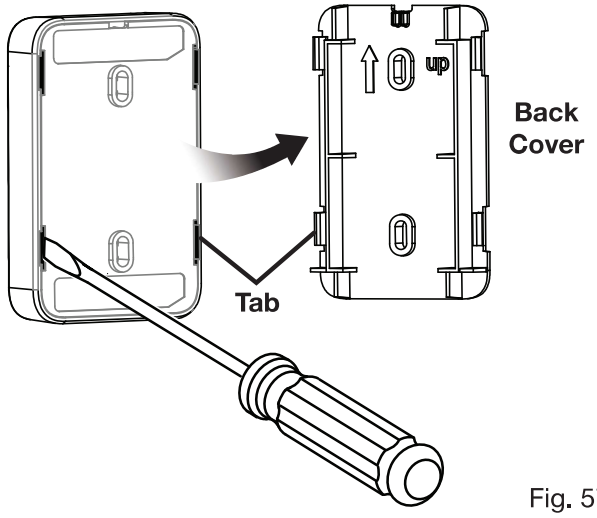


Fig. 57

INSTALLATION

- Insert a flat head screwdriver into the tabs on the indoor keypad and remove the back cover.
- Hold the back cover against the wall. Use a pencil and a level to mark screw hole placement.
- Mount the back cover to the wall using screws. Install screws using Phillips screwdriver.

  NOTE: Use screws and drywall anchors when installing the keypad into drywall.
- Fit the wires included with the indoor keypad into the notch on the back cover.
- Connect the keypad to the back cover. Be careful not to damage the wires.
- Route the wires from the keypad to the keypad wire terminals. Attach the wires to the wall and ceiling using the insulated staples.
- Insert the red striped wire from the keypad into the left keypad terminal marked with R.

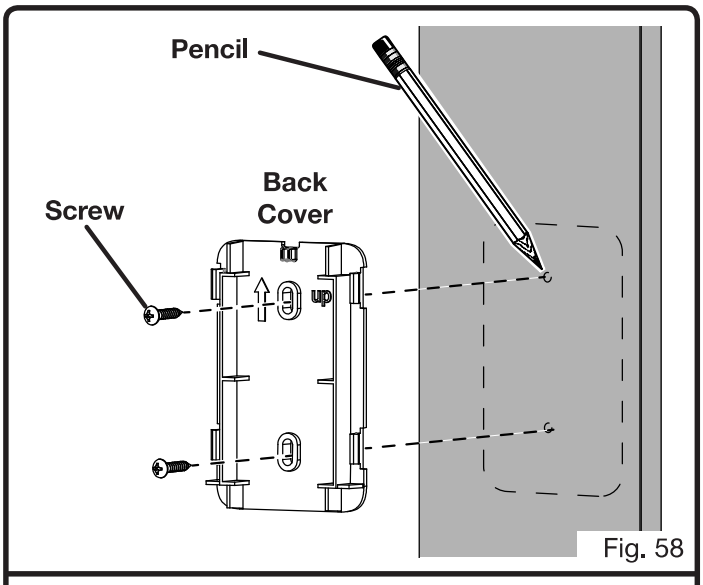


Fig. 58

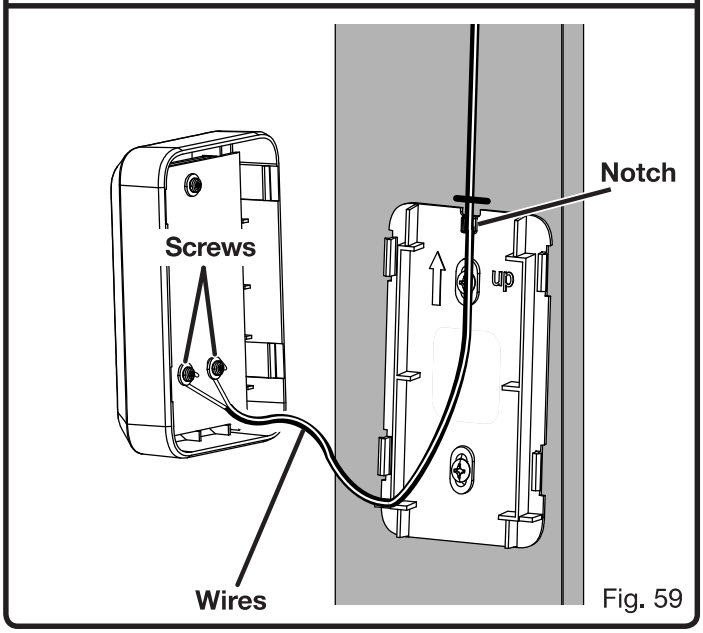


Fig. 59

- Insert the white wire into the right terminal marked with W.

⚠ WARNING:

Entrapment warning label contains important safety information. Install entrapment warning label next to the indoor keypad in a prominent location. Use insulated staples or other mechanical means if the label will not adhere to the wall.

- For details about using the indoor keypad, see **Using the Indoor Keypad** in the *Operations* section.

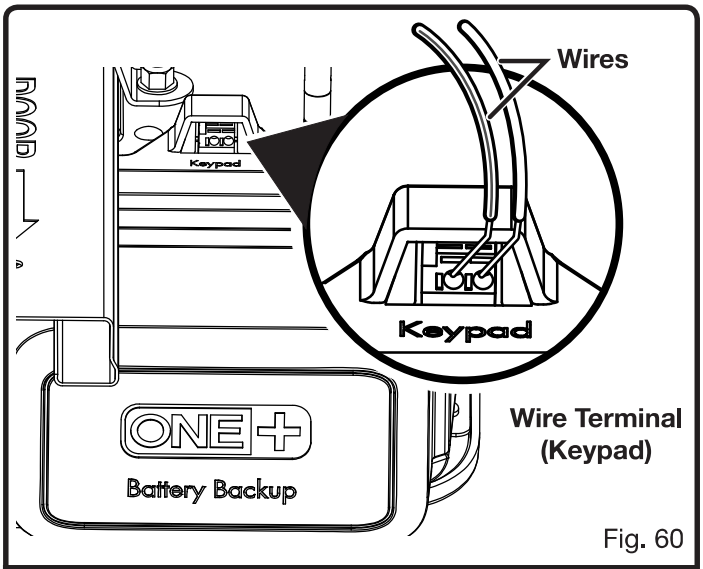


Fig. 60

Fig. 61

INSTALLATION

INSTALLING THE OUTDOOR KEYPAD

See Figures 62 - 64.

- Locate the following items:
  Outdoor Keypad
  Screws (1.5 in., Phillips Hd.) [2]

⚠ WARNING:

Do not use garage door opener if keypads or remotes do not start and stop the motor. An opener that cannot be controlled with a keypad or remote is dangerous, can result in death or serious personal injury, and must be repaired.

⚠ WARNING:

Make sure the keypad is mounted high enough to prevent unauthorized activation of the garage door opener. It should be placed at least five feet above the floor so that it is inaccessible to children. Unauthorized activation of the opener can result in death or serious personal injury.

⚠ WARNING:

Do not start or stop the garage door opener if there is a person or object in the path of the door, the door has not been properly balanced, or if you cannot see the doorway. Failure to follow these instructions can result in death or serious personal injury.

NOTE: Program the outdoor keypad and ensure that it will operate the garage door opener from your desired location prior to installing it. See **Programming the Outdoor Keypad** in the *Operations* section.

- Find desired location outdoors and in sight of the garage door.
  NOTE: The keypad should be at least five feet above the floor so it is inaccessible to children.
- Use a pencil to mark screw hole placement and install top screw.
- Place the wide portion of the key hole over the head of the top screw.
- Slide the keypad down until the top screw is inside the narrow portion of the key hole.
- Remove the battery cover and 9-volt battery.
- Use a level to be sure the keypad is in a vertical position, then install bottom screw into the screw hole.
- Install 9-volt battery.

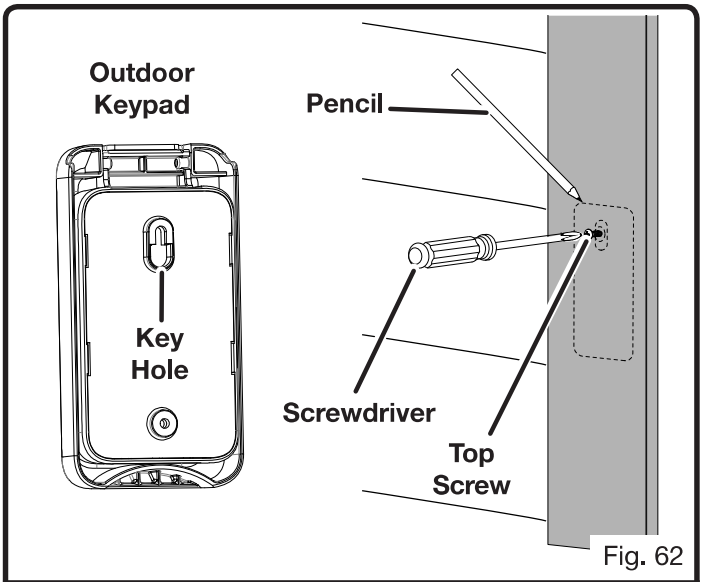


Fig. 62

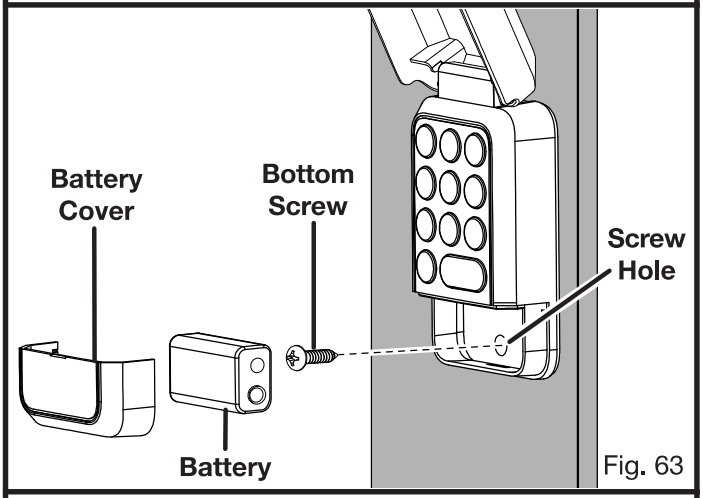


Fig. 63

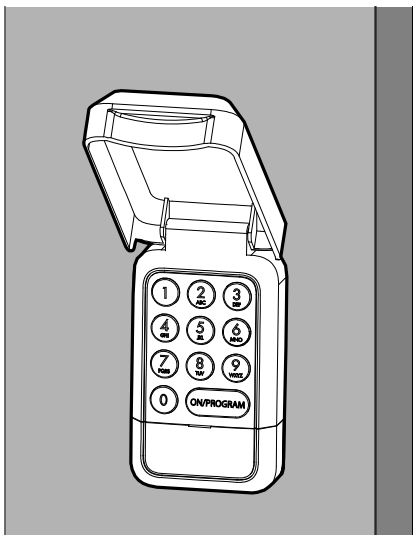


Fig. 64

- Replace battery cover.
- For programming instructions, see **Programming the Outdoor Keypad** in the *Operations* section.

OPERATION

IMPORTANT SAFETY INSTRUCTIONS

⚠ WARNING:

TO REDUCE THE RISK OF SEVERE INJURY OR DEATH:

1. READ AND FOLLOW ALL INSTRUCTIONS.
2. Never let children operate, or play with door controls. Keep the remote control away from children.
3. Always keep the moving door in sight and away from people and objects until it is completely closed. NO ONE SHOULD CROSS THE PATH OF THE MOVING DOOR.
4. NEVER GO UNDER A STOPPED PARTIALLY OPEN DOOR.
5. Test door opener monthly. The garage door MUST reverse on contact with a 1-1/2 inch object (or a 2 by 4 board laid flat) on the floor. After adjusting either the force or the limit of travel, retest the door opener. Failure to adjust the opener properly may cause severe injury or death.
6. For products requiring an emergency release, if possible, use the emergency release only when the door is closed. Use caution when using this release with the door open. Weak or broken springs may allow the door to fall rapidly, causing injury or death.
7. KEEP GARAGE DOOR PROPERLY BALANCED. See owner's manual. An improperly balanced door could cause severe injury or death. Have a qualified service person make repairs to cables, spring assemblies and other hardware.
8. This operator system is equipped with an unattended operation feature. The door could move unexpectedly. NO ONE SHOULD CROSS THE PATH OF THE MOVING DOOR.
9. **SAVE THESE INSTRUCTIONS.**

⚠ WARNING:

Do not allow familiarity with products to make you careless. Remember that a careless fraction of a second is sufficient to cause death or 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 death or personal injury.

⚠ WARNING:

Risk of entrapment. Only use RYOBI ONE+™ 18V lithium-ion (Li-ion) battery packs in this product. This product has a battery backup feature that can operate the garage door opener in the event of a power loss and must only be used with lithium-ion battery packs. The use of any other type of battery can cause the backup system to not operate properly, which can result in death or serious personal injury.

⚠ WARNING:

To prevent SERIOUS INJURY or DEATH, DO NOT open garage door if fire is present, unless you must escape through it. CALL 911 or the fire department. Opening the garage door will introduce fresh air and may cause fire to spread rapidly.

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 contact customer service for assistance.

For complete charging instructions, refer to the battery charging section later in this manual and the Operator's Manuals for your RYOBI ONE+™ battery pack.

OPERATION

NOTICE:

This product is designed to be powered by either a RYOBI ONE+™ 18V lithium-ion (Li-ion) battery pack (DC mode) or by electric power (AC mode). The unit will operate in AC mode whenever it is connected to an electric power source. It will switch to DC mode when an approved battery pack is installed and the unit is not connected to an AC power source.

CONNECTING THE GARAGE DOOR OPENER TO A POWER SUPPLY

See Figures 65 and 66.

For AC power:

- Assemble and mount the garage door opener as described earlier in the *Installation* section.
- Connect the garage door opener to an AC power supply.

  NOTE: Make sure the power supply is normal household voltage, 120 volts, AC only, 60 Hz.
- Ensure that the power cord does not droop excessively or contact moving parts.

For DC power:

- Unplug the garage door opener.
- Open the battery door.
- 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.

⚠ WARNING:

Make sure the latches on the battery pack snap in place and the battery pack is fully seated and secure in the battery port before beginning operation. Failure to securely seat the battery pack could cause the battery pack to fall out, resulting in serious personal injury or property damage.

- Close the battery door.
- **To remove the battery pack**, open the battery door and depress the latches on both sides of the battery pack.

When a battery pack is installed and the power cord is plugged in, the garage door opener will begin charging the battery pack.

CHARGING A BATTERY PACK

See Figure 66.

Battery packs are shipped in a low charge condition to prevent possible problems. Therefore, you should charge them before first use. If the garage door opener does not charge the battery pack under normal circumstances, return both the battery pack and garage door opener to your nearest repair center for electrical check.

- Connect the garage door opener to an AC power supply.
- Install battery pack into the garage door opener as described earlier.
- Press on the battery pack to be sure contacts on the battery pack engage properly with contacts in the garage door opener.
- The battery pack may become slightly warm to the touch while charging. This is normal and does not indicate a problem.
- When the battery pack is fully charged, you may remove the battery pack or leave it in the battery port to provide DC power if needed.

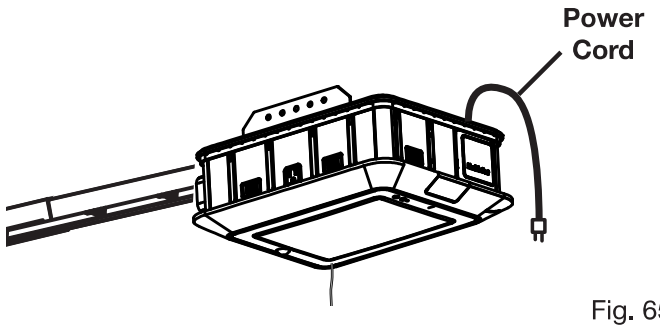


Fig. 65

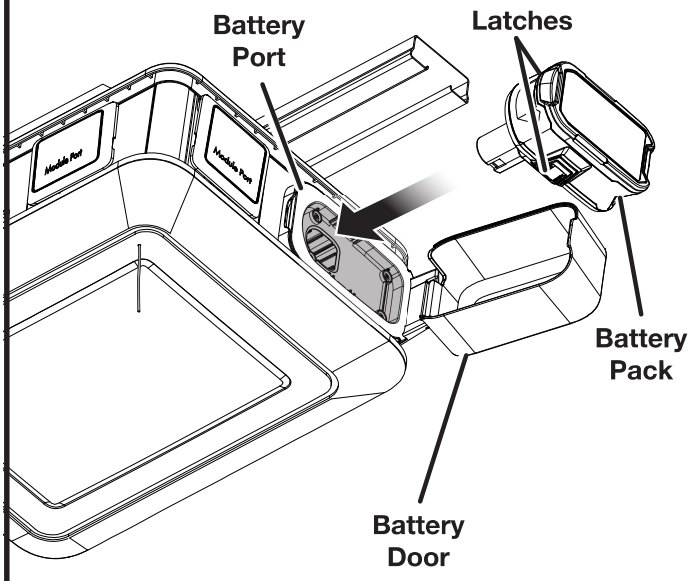


Fig. 66

OPERATION

INSTALLING MODULES

See Figures 67 and 68.

The garage door opener can power a variety of AC and DC modules. **For a complete list of modules, visit www.ryobitools.com.**

⚠ WARNING:

Use only recommended accessories listed on our website, in this manual, or in addendums. Use of accessories that are not listed may cause the risk of personal injury. Instructions for safe use of accessories are included with the accessory.

⚠ WARNING:

Ensure modules are properly and securely connected to their port on the garage door opener. Failure to properly secure the module can cause it to fall and could result in serious personal injury or property damage.

For DC modules:

- Select one of the module ports to power your DC module.
- Hook the module to the top of the garage door opener and insert it into the module port. Ensure the bottom latch on the module is secured to the port on the garage door opener.

  NOTE: DC modules will not receive power unless the module port has been activated. See **Using the Indoor Keypad** later in this section.
- Depress latches to release and remove the module.

For AC modules:

- Remove both module port covers on the side where you will install the module.
- Insert AC module into the AC receptacle as shown.
- Secure the module in place by hooking it to the top of the garage door opener and ensure the bottom latch on the module is secured to the port on the garage door opener.
- Depress latches to release and remove the module.

NOTE: If the garage door opener is unplugged and a charged battery pack is installed, the AC receptacles and module ports will be disabled but the sensors and LED lights will continue to function normally.

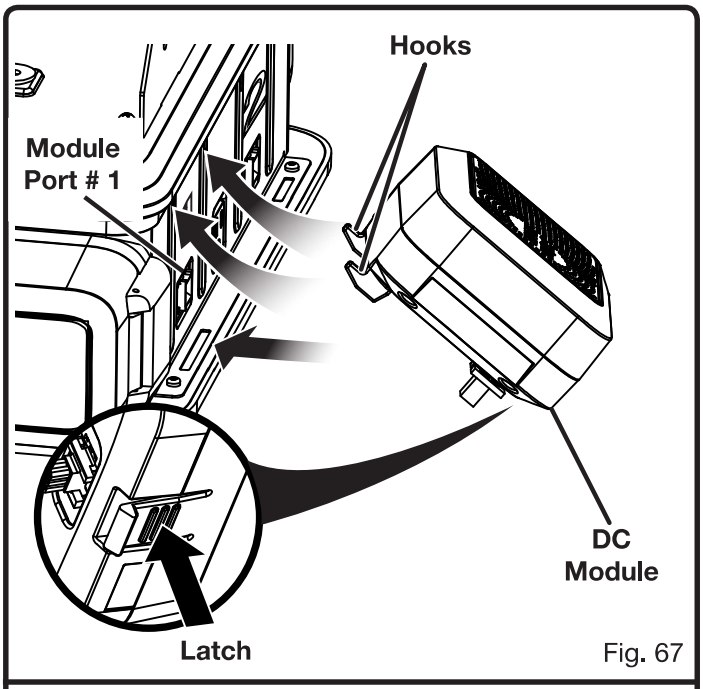


Fig. 67

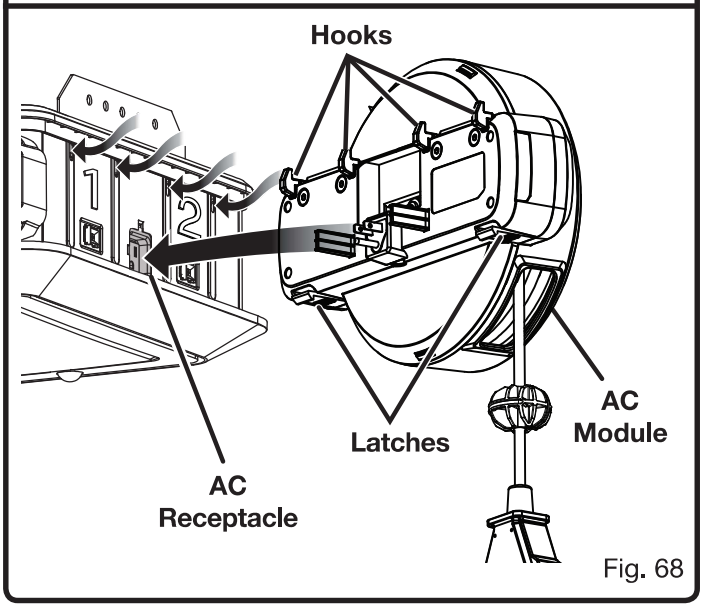


Fig. 68

OPERATION

ALIGNING THE SAFETY SENSORS

See Figure 69 - 70.

⚠ WARNING:

DO NOT operate the garage door opener unless the safety sensors are installed and working correctly. Failure to properly install and ensure that the safety sensors are working correctly can result in death or serious personal injury.

⚠ WARNING:

The effectiveness of the safety sensors included in this system directly relates to the placement and installation of the sensors. Incorrect placement or installation could prevent the sensors from working as intended and result in death or serious personal injury.

NOTICE:

The garage door will not close unless the safety sensors are installed, wired, and aligned correctly.

- Install and wire the safety sensors as described earlier in the *Installation* section.
- Connect the garage door opener to an AC power supply.

  NOTE: Make sure the power supply is normal household voltage, 120 volts, AC only, 60 Hz
- If wired correctly, the LED lights on both sensors should shine continuously. If one or both LEDs do not come on, unplug the garage door opener and ensure that the sensors are wired correctly. If problem persists, refer to the **Safety Sensor Diagnostic Feedback** chart later in the manual.
- If the LED lights on both sensors shine continuously, then the sensors are aligned and no adjustments are needed.
- If the red LED light is ON and the green LED light is blinking, then something may be interfering with the

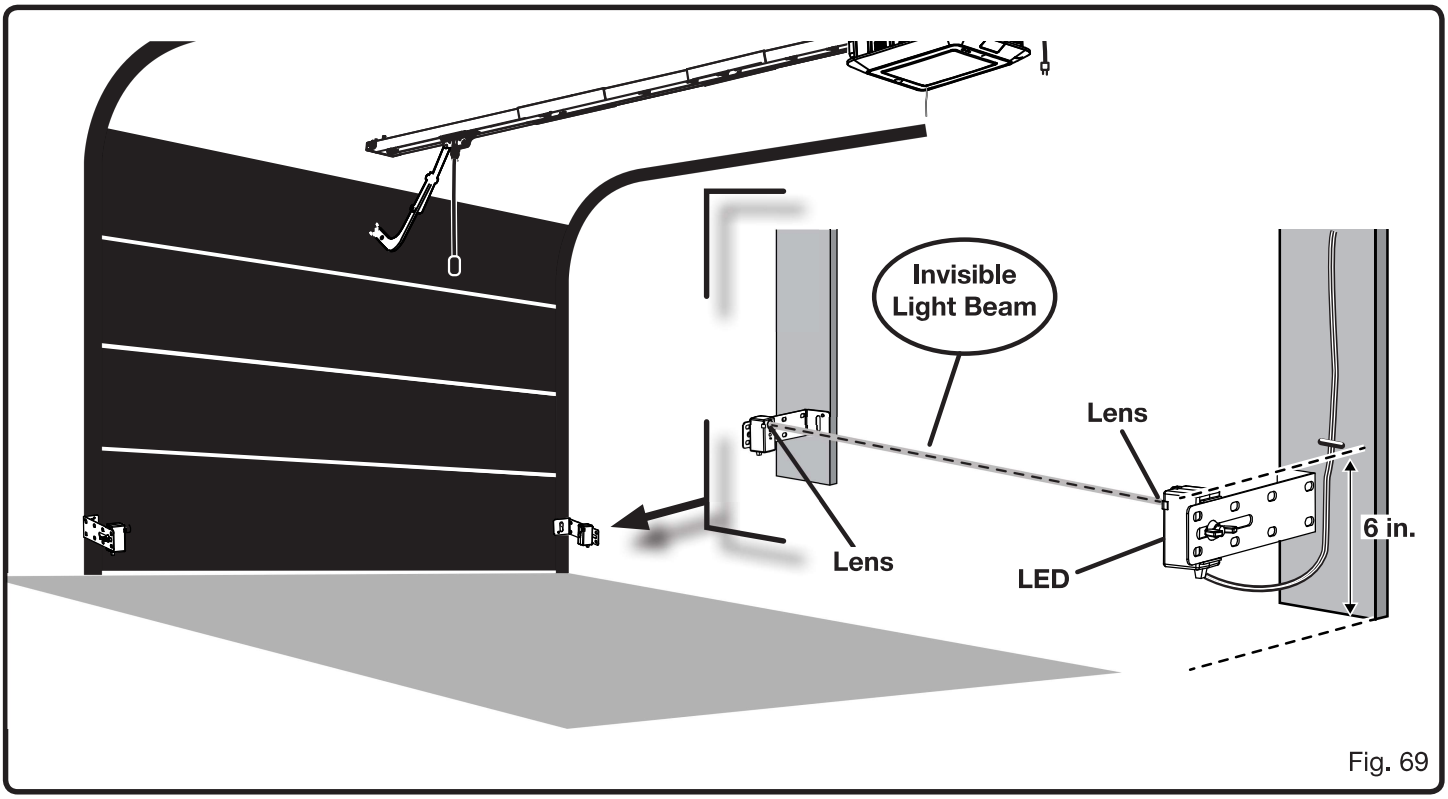


Fig. 69

receiving sensor. The most common cause of interference is direct sunlight. If necessary, remove the fasteners securing the sensor and move it away from the garage door opening to avoid sunlight.

- If the red LED light is ON and the green LED light is off, then the sensors may need to be aligned.
- **To align the safety sensors:** loosen, but do not remove, the fasteners securing the sensors in place and adjust the position of the sensors until the lens on the transmitter and receiver are directly facing one another.
- After the sensors have been aligned, retighten fasteners.
- When the sensor lenses are in the correct position, the invisible light beam emitted by the transmitter will be captured by the receiver and the LEDs will shine continuously.

NOTE: If an object crosses the path of the beam, an open garage door will not close and a closing garage door should stop and reverse to the fully open position.

Aligning the safety sensors for multiple doors:

When multiple garage door openers are installed, extra care must be taken to prevent misalignment and crossed signals between each set of sensors.

- Where possible, install transmitting safety sensors on an adjacent surface facing away from each other and toward the recievers.
- Connect the garage door opener to an AC power supply.

  NOTE: Make sure the power supply is normal household voltage, 120 volts, AC only, 60 Hz
- Align each set of sensors as described earlier.

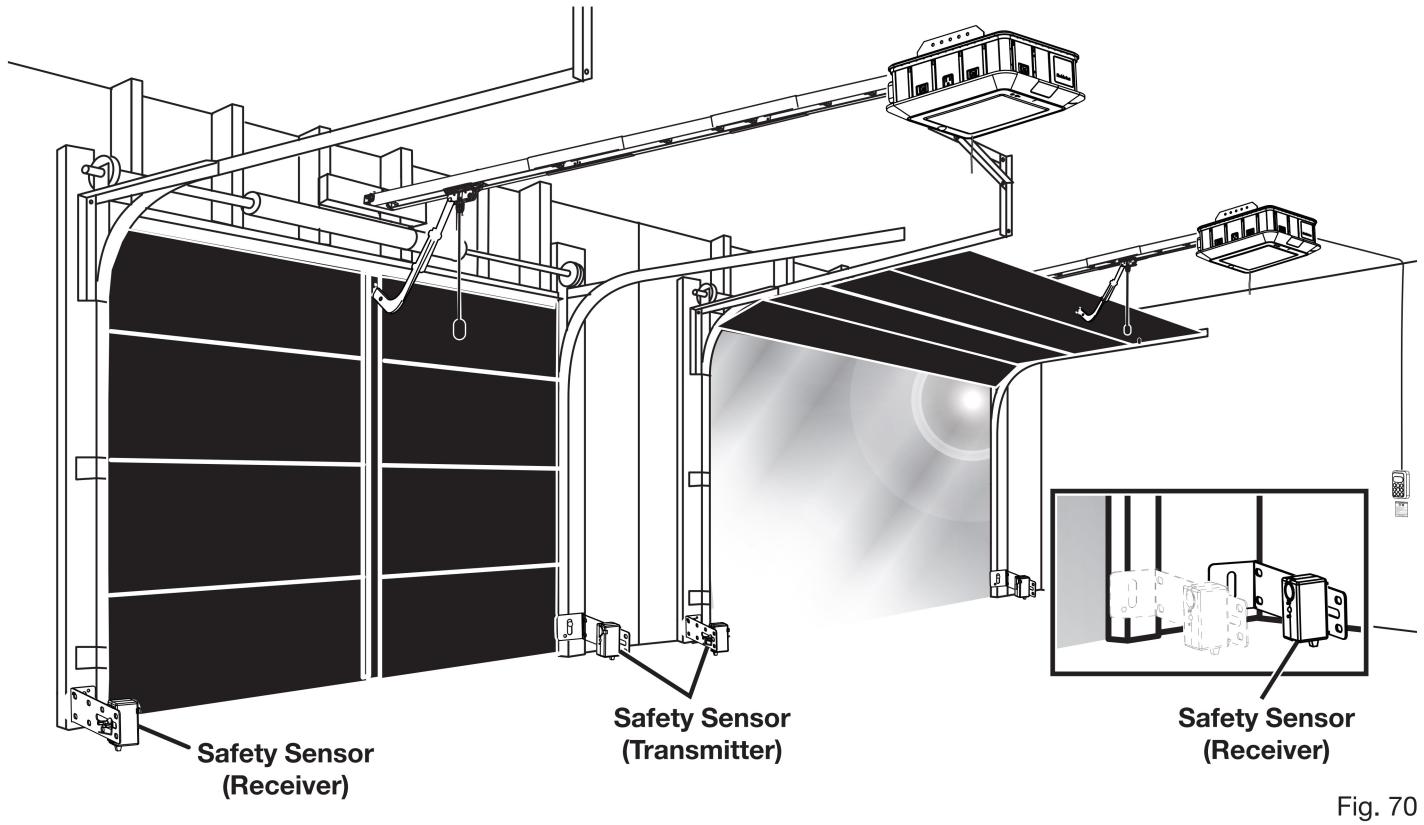


Fig. 70

OPERATION

SAFETY SENSOR DIAGNOSTIC FEEDBACK

LED FUNCTIONS			
RED LED (TRANSMITTER)	**GREEN LED (RECEIVER)**	**PROBLEM**	**SOLUTION**
ON	**ON**	No problem indicated	No action required
OFF	**OFF**	Power head is unplugged or the battery is depleted	Connect to power supply or charge the battery pack
		Wires from power head may be damaged	Replace damaged or broken wires
		Wires not connected	Connect wires to power head
		Wires connected to the wrong terminal	Connect wires to the correct terminal
		One or both sensors are defective	Contact customer service for assistance
OFF	**ON**	One or both sensors are defective	Contact customer service for assistance
ON	**OFF**	The safety sensors are out of alignment	Align the safety sensors
		The safety sensors are obstructed	Remove all objects between the safety sensors
		One or both sensors are defective	Contact customer service for assistance
		Safety sensor (transmitter) is not sending beam	Contact customer service for assistance
ON	**BLINKING**	Safety sensor (receiver) is in direct sunlight	Change the position of the sensor (reciever) or reverse the positions of both sensors. (See figure 70.)
		One or both sensors are defective	Contact customer service for assistance

OPERATION

SETTING THE DOOR TRAVEL LIMITS

See Figures 71 - 78.

⚠ DANGER:

Ensure that the safety sensors are installed and working properly. Without the proper safety devices in place, a closing garage door could kill or seriously injure someone in its path.

The console on your garage door opener makes it easy to set the open and close positions of your door. The opener will automically sense the weight of your door and provide the force required to open and close it.

When a garage door is fully closed, there shouldn't be any space between the door and the garage floor. When a door is fully open, it should provide enough clearance for vehicles to travel safely underneath it. Use caution when setting the open position for single-panel garage doors. If a single-panel door is opened so far that it begins to slant backwards, excessive bouncing and jerking may occur as the door moves, see figure 75.

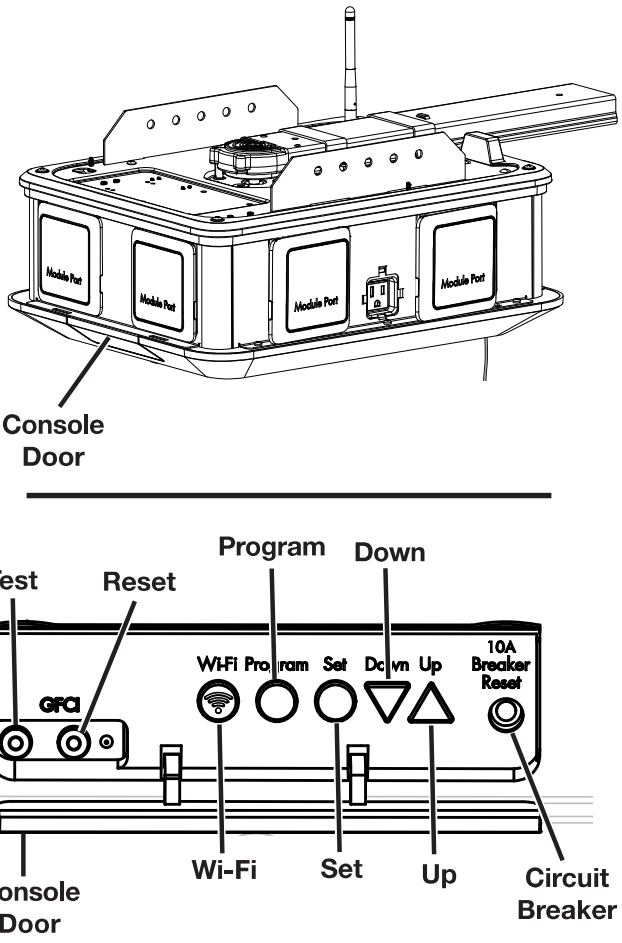


Fig. 71

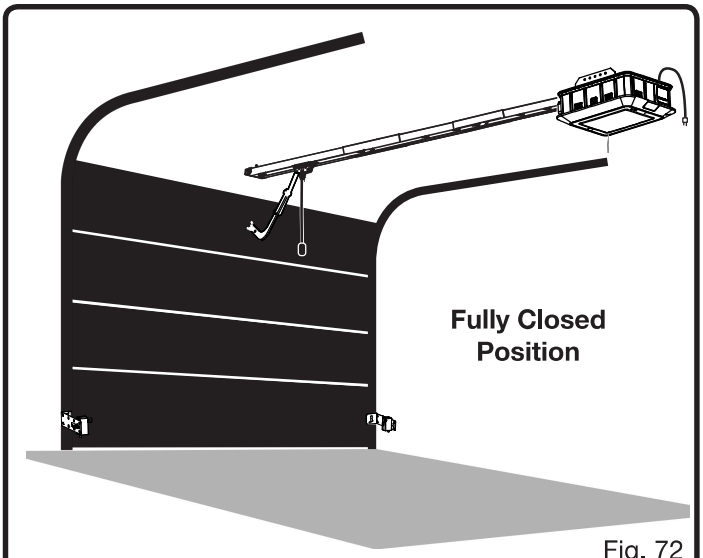


Fig. 72

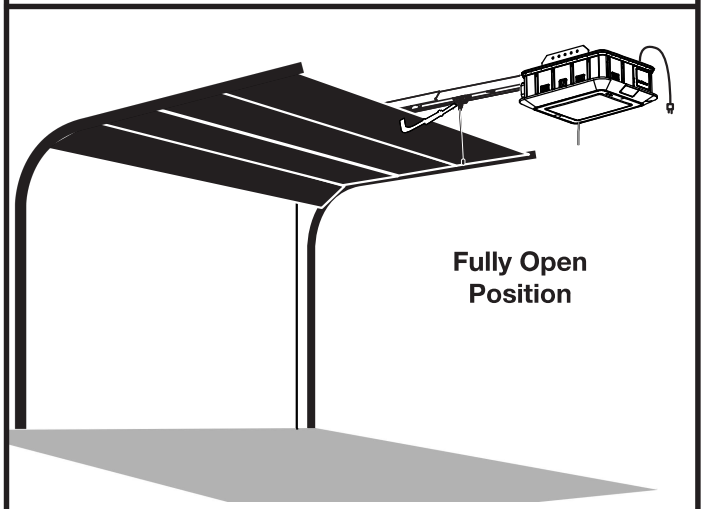


Fig. 73

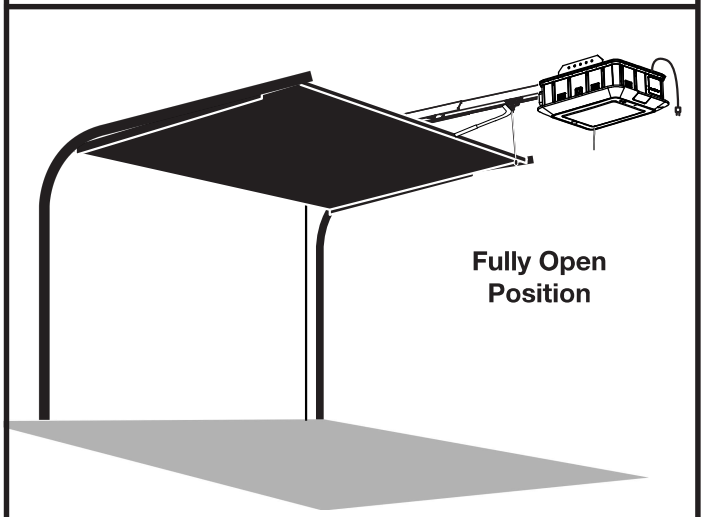


Fig. 74

OPERATION

NOTICE:

Do not open or close the garage door using the indoor keypad or remotes until the travel limits have been properly set. Doing so could cause severe damage to the garage door or the garage door opener.

Before setting the travel limit:

- Pull the emergency release rope down and manually open the garage door until the outer trolley engages the inner trolley.

Once you begin setting the travel limits, you have two minutes to complete each step. If a step is not completed within two minutes, travel limit information for the open and closed position will be erased.

To set the travel limit for the open position:

- Open the console door.
- Press and hold the **UP** button for three seconds. After you release the button, it will begin blinking and continue blinking until the travel limit has been set.
- Press and hold the **UP** button to move the garage door to the open position.
- For fine adjustments, press and release the **UP** or **DOWN** buttons.
- Once the door is in the open position, press the **SET** button to store the travel limit. Once the travel limit is stored, the **UP** button will stop blinking and shine continuously.

NOTE: If the safety sensors are obstructed during this process, travel limit information for the open and closed position will be erased.

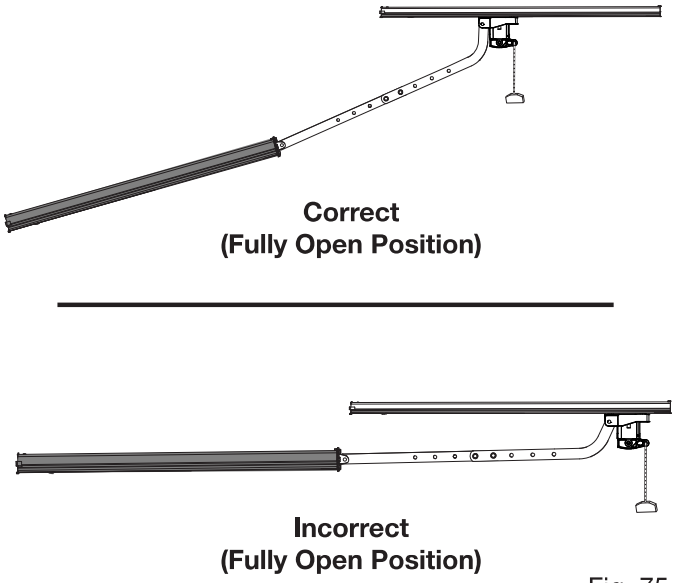


Fig. 75

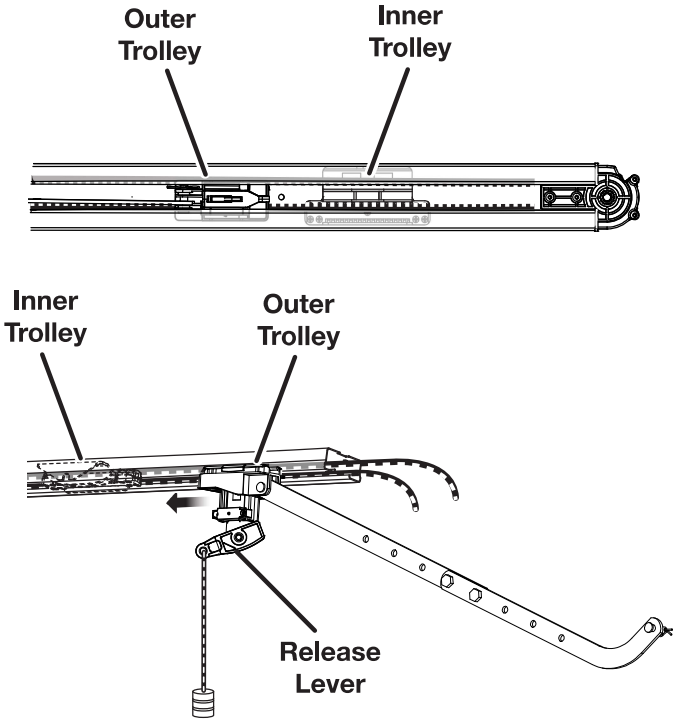


Fig. 76

OPERATION

To set the travel limit for the closed position:

- Press and hold the **DOWN** button for three seconds. After you release the button, it will begin blinking and continue blinking until the travel limit has been set.
- Press and hold the **DOWN** button to move the garage door to the closed position.
- For fine adjustments, press and release the **UP** or **DOWN** buttons.
- Once the door is in the closed position, press the **SET** button to program the travel limit. Once the travel limit is set, the **DOWN** button will stop blinking and shine continuously.

NOTE: If the safety sensors are obstructed during this process, travel limit information for the open and closed position will be erased.

To test the travel limits:

NOTE: The garage door opener will not respond to the remotes or keypads until the travel limits have been tested.

- Press and release the **UP** button and ensure that the door moves to the programmed open position. The button will blink as the door moves then shine continuously once the door is in the open position.
- Press and release the **DOWN** button to ensure that the door moves to the programmed down position. The button will blink as the door moves then shine continuously once the door is in the down position.

  NOTE: After testing is complete, the light for both the **UP** and **DOWN** buttons will turn off.
- If the travel limits were set incorrectly, they can be cleared by pressing and holding the **UP** button for three seconds.

If a buzzer sounds while you are setting or testing the travel limits, the garage door opener has detected a problem. Travel limit information for the open and closed position will be erased and cannot be reset until the problem is resolved. For details, refer to the *Troubleshooting* section later in the manual.

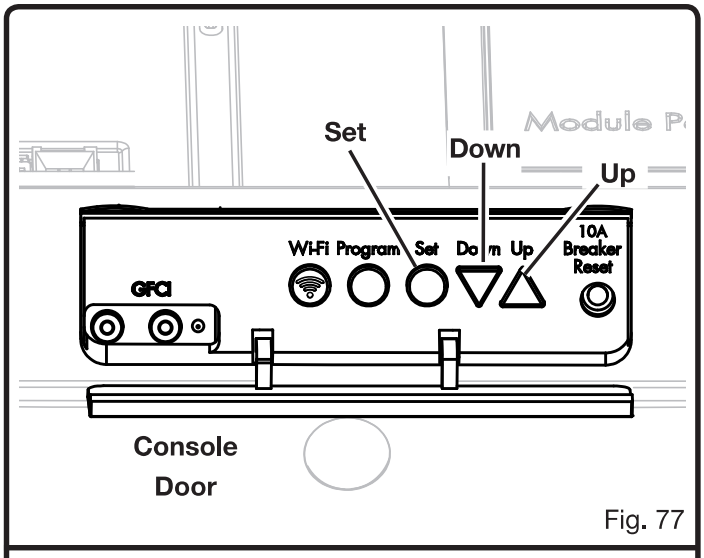


Fig. 77

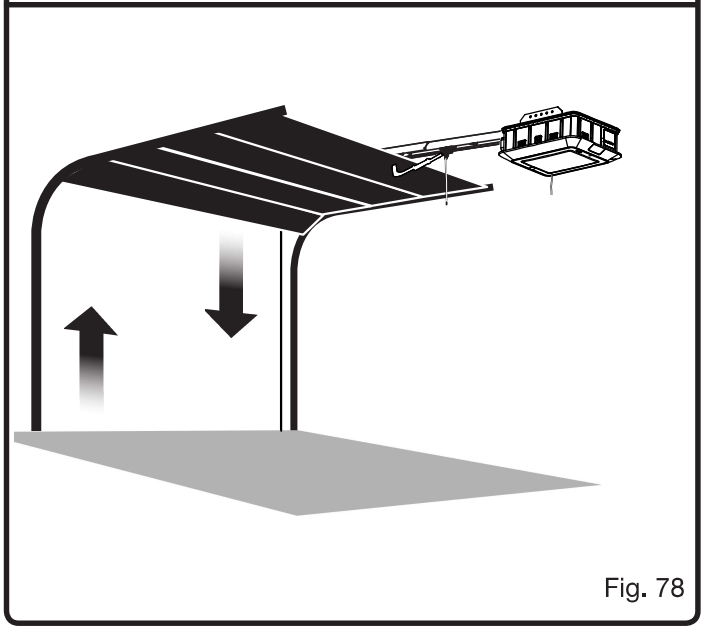


Fig. 78

OPERATION

USING THE INDOOR KEYPAD

See Figure 79.

⚠ WARNING:

Keep moving door in sight when using indoor keypad. Contact with moving door can cause DEATH or serious injury.

The indoor keypad has backlights that turn on when garage door opener is connected to a power supply. When the keypad is locked, the backlights will blink.

- Install and wire the indoor keypad as described earlier in the *Installation* section.
- To raise or lower the garage door, press and release the **UP/DOWN** button.
- To enter and exit vacation mode, press and release the **LOCK** (🔒) button. When the unit is in vacation mode, it can only be controlled using the indoor keypad and smart phone. The unit will not respond to car remotes or the outdoor keypad.

  NOTE: The LEDs in the indoor keypad will blink when the unit is in vacation mode.
- To turn the LED lights on and off, press and release the **LIGHT** (☼) button.

  NOTE: When the **LIGHT** (☼) button is pressed, the LED light will illuminate for three minutes.

Activating and Deactivating Module Ports:

- To activate a module port, press the number on the indoor keypad corresponding with the desired port. For example, to activate module port #2 press **NUMBER 2** on your keypad.

  NOTE: An active module port can be used to power DC modules. Multiple ports can be activated at once.
- To deactivate a module port, press the number on the indoor keypad corresponding with the port.

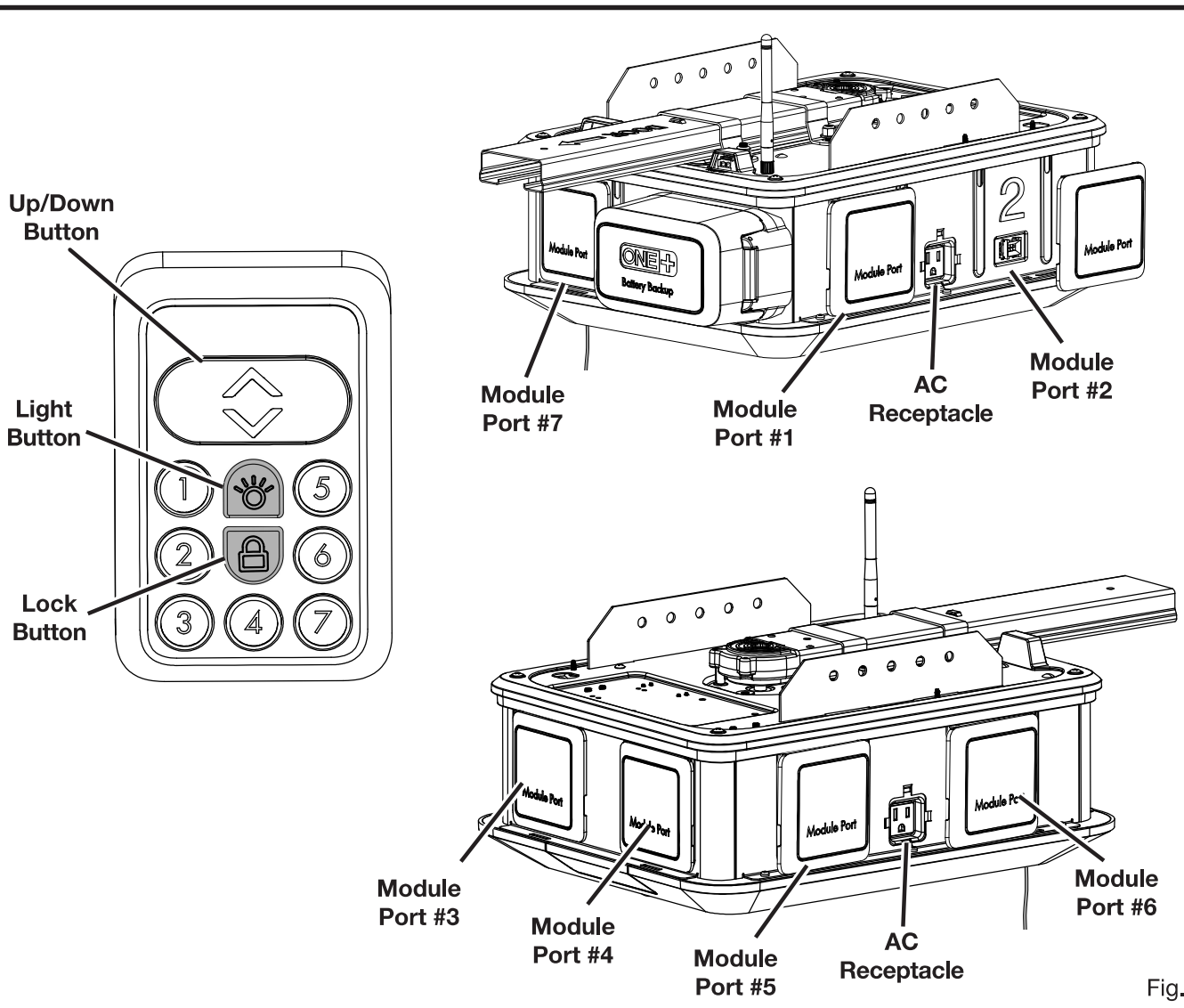


Fig. 79

OPERATION

TESTING THE AUTOMATIC REVERSAL SYSTEM

See Figure 80.

⚠ DANGER:

Test the automatic reversal system every month and after any adjustments are made to the garage door travel limits. If the door contacts an object higher than 1-1/2 in. off the garage floor (approx. the size of a 2x4 laid flat), it should stop and reverse to the fully open position. If the automatic reversal system does not function properly, a closing garage door could kill or seriously injure someone in its path.

⚠ WARNING:

DO NOT operate the garage door opener unless the automatic reversal system is working correctly. Following this rule will reduce the risk of death or serious personal injury.

- Press and release the **UP/DOWN** button on the indoor keypad to raise the garage door.
- Place a 1-1/2 in. board (approx. the size of a 2x4 laid flat) on the garage floor beneath the door.
- Press and release the **UP/DOWN** button on the indoor keypad to lower the garage door. When the door strikes the board, it should reverse direction immediately.

  NOTE: After the door contacts the board, a buzzer will sound five times and the garage door opener's LED lights blink five times.
- If the garage door reverses direction after contacting the board, the reversal system is working properly and no adjustments are needed.
- If the garage door stops before striking the board or strikes the board and then stops, increase the travel limit for the closed position and repeat the test.
- If the automatic reversal system continues to fail, contact customer service or a qualified service person for assistance.

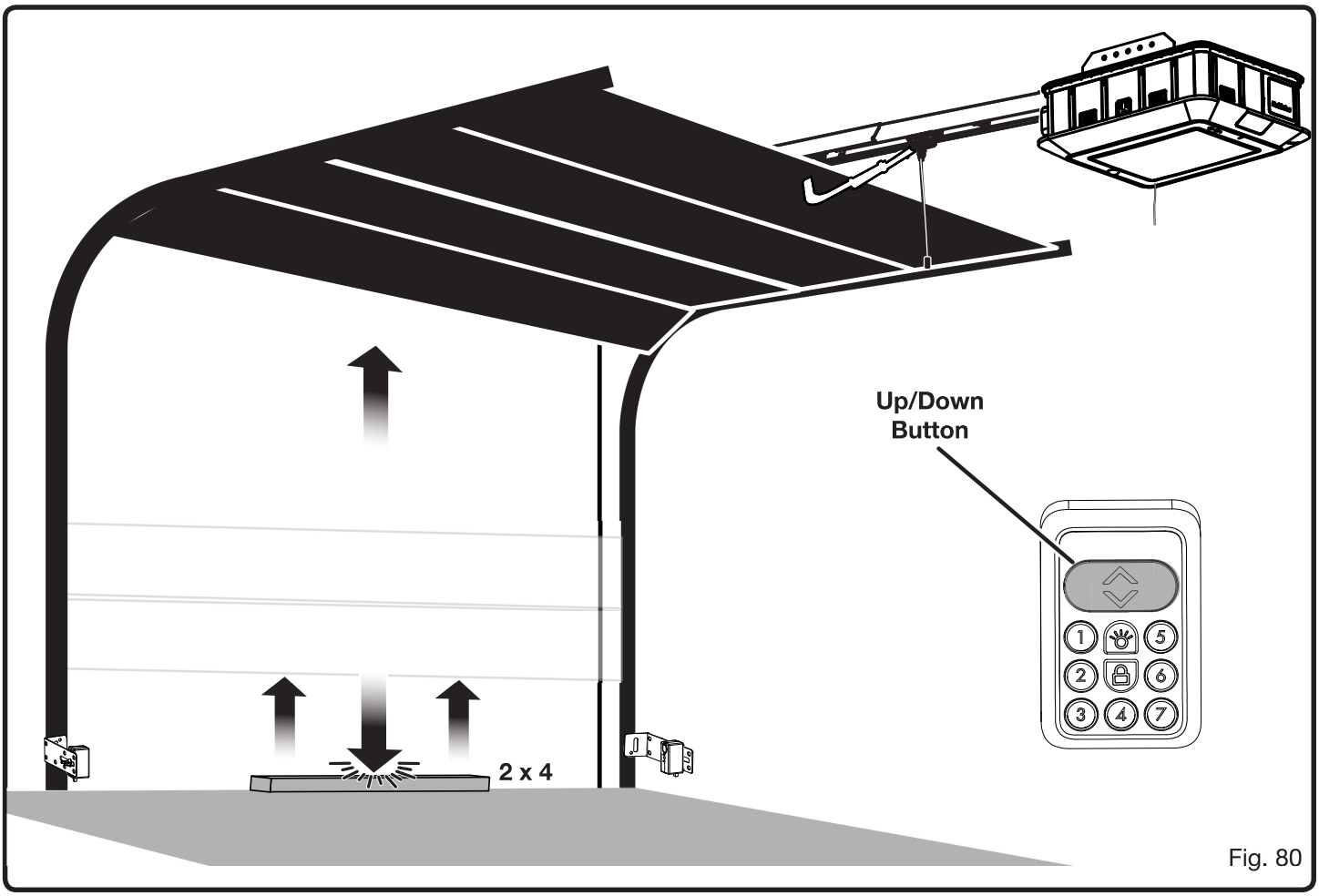


Fig. 80

OPERATION

PROGRAMMING THE OUTDOOR KEYPAD

See Figures 81 - 82.

⚠ WARNING:

Keep moving door in sight when using outdoor keypad. Contact with moving door can cause DEATH or serious injury.

Once you begin programming the outdoor keypad, you have two minutes to complete each step. If a step is not completed within two minutes, programming information will be erased. For best results, stand beneath the garage door opener when programming the keypad.

- If you haven't already done so, install a 9-volt battery into the outdoor keypad.
- Press and hold the **1** button. With the **1** button still depressed, press the **ON/PROGRAM** button then release both. The LEDs on the keypad will flash two times and then remain lit.
- Enter your desired PIN (4 digits). The LEDs on the keypad will flash three times and remain lit for a few seconds. This indicates the PIN has been accepted and the keypad is ready to be paired with your garage door opener.
- Press and hold the **PROGRAM** button on the garage door opener's console until the garage door opener's LED lights turn off and the light behind the **PROGRAM** button on the console flashes three times. This indicates the console is in programming mode.

  NOTE: It may take several seconds for lights to flash.
- Press the **ON/PROGRAM** button on the outdoor keypad, then enter your PIN. The light behind the **PROGRAM** button on the garage door opener's console will flash three times, then the garage door opener's LED lights will turn on.

  NOTE: It may take several seconds for lights to flash.
- Within 30 seconds after the LED lights turn on, press the **0** button on the keypad. Once the garage door moves, the set-up is complete.
- To operate the garage door opener after initial set-up, press the **ON/PROGRAM** button on the keypad, then enter your PIN.

NOTE: In order to change the PIN or reset a forgotten PIN, repeat all of the steps listed in this section, including syncing the outdoor keypad to the garage door opener.

To set up a temporary PIN:

It is possible to set up a temporary PIN for use by visitors or service personnel. This PIN will remain available only until the next time you enter your regular PIN on the keypad.

- Press and hold the **3** button. With the **3** button still depressed, press the **ON/PROGRAM** button then release both. The LEDs on the keypad will flash three times and then remain lit.
- Enter your current PIN. The LEDs on the keypad will briefly flash twice.
- Enter the desired temporary PIN. The LEDs on the keypad will briefly flash three times and the temporary PIN is now ready to use.
- To operate the garage door opener using the temporary PIN, press the **ON/PROGRAM** button on the keypad, then enter the temporary PIN.

NOTE: Remember that the temporary PIN will be automatically deleted the next time your regular PIN is entered on the outdoor keypad.

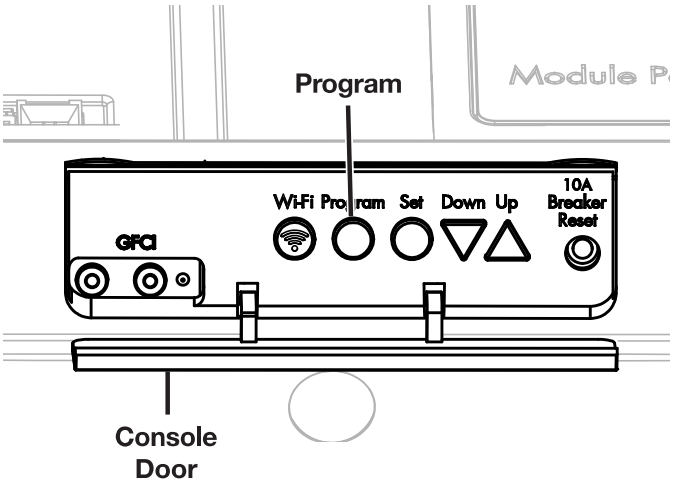


Fig. 81

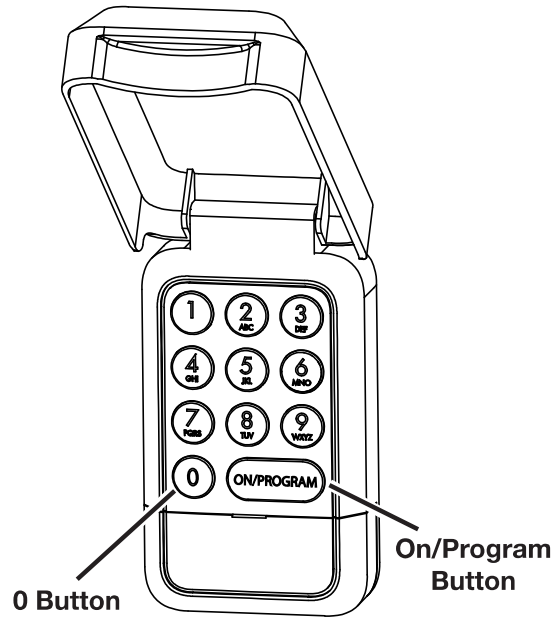


Fig. 82

OPERATION

PROGRAMMING THE CAR REMOTES

See Figure 83.

⚠ WARNING:

Keep moving door in sight when using car remotes. Contact with moving door can cause DEATH or serious injury.

Once you begin programming the car remotes, you have two minutes to complete each step. If a step is not completed within two minutes, programming information will be erased.

- Press the **PROGRAM** button on the garage door opener's console.
- The main garage door opener's LEDs will turn off and the **PROGRAM** button will flash three times.
- Select button **1** or **2** on the car remote. Press the button once.
- The car remote's green LED will flash.
- The **PROGRAM** button on the main unit will flash three times.
- The garage door opener main unit LEDs will turn on.
- To verify that the program is set, press the car remote button you selected earlier.
- The garage door will open or close.
- Repeat this process to sync the garage door opener with an additional remote.

NOTE: Buttons **1** and **2** cannot both be programmed to the same garage door opener.

NOTE: Safety sensors must always be connected properly for the door to operate from the car remote.

NOTE: The garage door opener cannot be operated with a car remote until travel limits have been set.

USING THE SMARTPHONE APP

See Figure 84.

⚠ WARNING:

To reduce the risk of injury to persons – Only enable the RYOBI Garage Door Opener Module System App feature when installed with a sectional door.

⚠ WARNING:

Devices or features, such as the RYOBI Garage Door Opener Module System App, that allow you to open and close the garage without the garage door being in view should only be used with sectional garage doors.

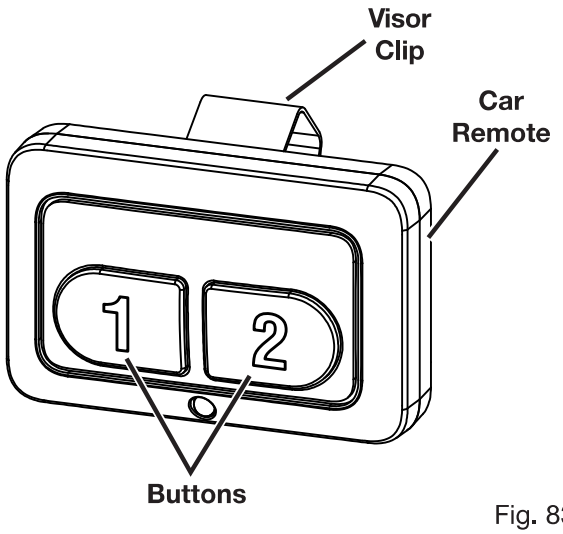


Fig. 83

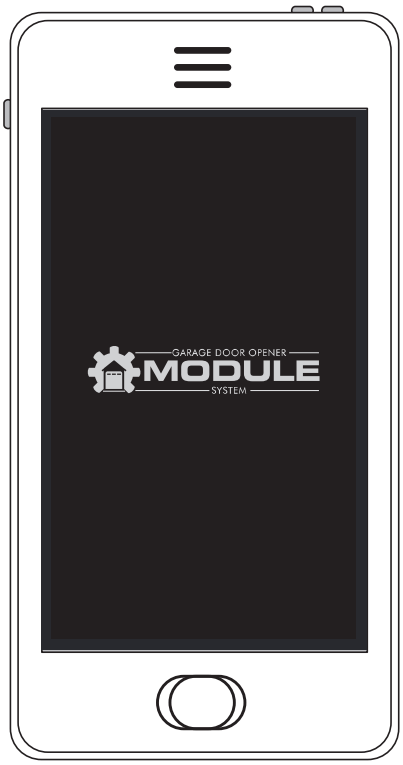


Fig. 84

NOTE: A Wi-Fi router connected to the internet is required to use the smart phone app. You will not be able to open your garage door or receive other information from installed modules using the smart phone app if your home's Wi-Fi connection with your garage door opener is not connected or functioning properly.

- Download the RYOBI Garage Door Opener Module System App from the **App Store** or **Google Play Store**.
- Follow the instructions provided in the app and app guide to control your garage door opener and modules. For more information, visit www.ryobitools.com.

MAINTENANCE

IMPORTANT SAFETY INSTRUCTIONS

⚠ WARNING:

TO REDUCE THE RISK OF SEVERE INJURY OR DEATH:

1. READ AND FOLLOW ALL INSTRUCTIONS.
2. Never let children operate, or play with door controls. Keep the remote control away from children.
3. Always keep the moving door in sight and away from people and objects until it is completely closed. NO ONE SHOULD CROSS THE PATH OF THE MOVING DOOR.
4. NEVER GO UNDER A STOPPED PARTIALLY OPEN DOOR.
5. Test door opener monthly. The garage door MUST reverse on contact with a 1-1/2 inch object (or a 2 by 4 board laid flat) on the floor. After adjusting either the force or the limit of travel, retest the door opener. Failure to adjust the opener properly may cause severe injury or death.
6. For products requiring an emergency release, if possible, use the emergency release only when the door is closed. Use caution when using this release with the door open. Weak or broken springs may allow the door to fall rapidly, causing injury or death.
7. KEEP GARAGE DOOR PROPERLY BALANCED. See owner's manual. An improperly balanced door could cause severe injury or death. Have a qualified service person make repairs to cables, spring assemblies and other hardware.
8. This operator system is equipped with an unattended operation feature. The door could move unexpectedly. NO ONE SHOULD CROSS THE PATH OF THE MOVING DOOR.
9. **SAVE THESE INSTRUCTIONS.**

⚠ WARNING:

Before inspecting, cleaning or servicing the machine, lower the garage door, shut off motor, wait for all moving parts to stop, disconnect unit from power supply, and remove all modules. Failure to follow these instructions can result in serious personal injury or property damage.

⚠ WARNING:

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

⚠ WARNING:

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 contact customer service for assistance. Loose, missing, or damaged parts can result in death, serious personal injury, or property damage.

GENERAL MAINTENANCE

Avoid using solvents when cleaning plastic parts. Most plastics are susceptible to damage from various types of commercial solvents and may be damaged by their use. Use clean cloths to remove dirt, dust, 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 could result in serious personal injury.

POWER SUPPLY CORD REPLACEMENT

If replacement of the power supply cord is necessary, this must be done by the manufacturer in order to avoid a safety hazard.

MAINTENANCE

REPLACING CAR REMOTE BATTERIES

See Figure 85.

⚠ WARNING:

KEEP BUTTON/COIN CELL BATTERIES OUT OF SIGHT AND REACH OF CHILDREN. Swallowing batteries can lead to serious injury or death. If you suspect a child has ingested a battery, go to the hospital immediately. Do not induce vomiting or have your child eat or drink anything. For more information, call the National Battery Ingestion Hotline: 202-625-3333. The battery identification number for this product is CR2016 or CR2032.

⚠ WARNING:

Risk of injury due to fire, explosion, or leakage. Do not disassemble, charge, crush, or expose to fire or high temperatures.

- Remove visor clip.
- Remove the battery cover by inserting the edge of a coin into the slot and twisting.
- Install the battery or batteries according to the polarity indicators.

  NOTE: The remote can be powered by one 2032-size battery, or two 2016-size batteries stacked together.
- Reassemble the remote by aligning the sections as shown.
- Snap the sections together to close.
- Make sure the remote is securely reassembled before attaching the visor clip.

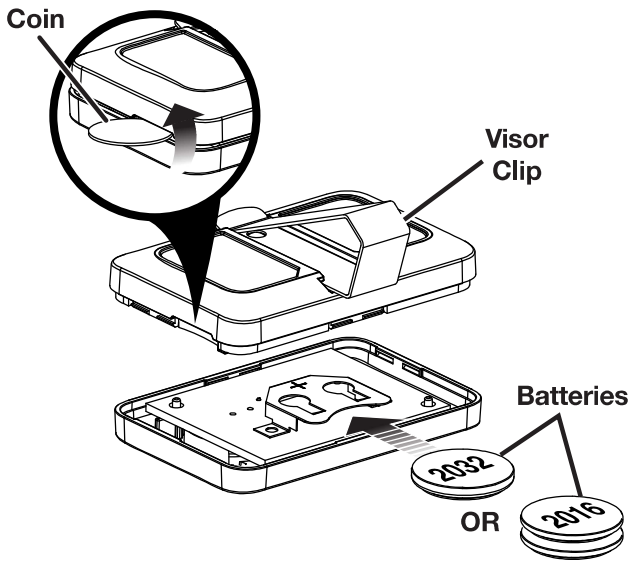


Fig. 85

PERIODIC MAINTENANCE SCHEDULE	
Each Week	■ Check the power head, rail, brackets, door arms, track, and rollers for loose or damaged parts. Replace or tighten as needed.
Each Month	■ Manually open and close the garage door. If the door does not move smoothly, binds, or is out of balance, have the garage door or door springs repaired by a qualified service person. ■ Test the automatic reversal system as described in the *Installation* section.
Every 3 Months	■ Test the travel limits of the garage door, as described in the *Operation* section, and ensure it opens and closes fully. ■ Check the condition of the power suppy cord and battery pack. Replace as needed.
Each Year	■ Lubricate the garage door rollers and hinges. The garage door opener is lubricated with a sufficient amount of lubricant for the life of the unit under normal operating conditions. Therefore, no further lubrication of the unit is required. **DO NOT ADD LUBRICANT TO TRACKS.** ■ Unplug the power head and test the battery backup. If the unit cannot run on DC power alone, charge or replace the battery pack.

ACCESSORIES

The following accessories are not included with your garage door opener but may be available where you purchased this product. For assistance call 1-877-205-5714.

- Extension Kits ..... GDAEXT100 (8 ft.), GDAEXT110 (10 ft.), GDAEXT112 (12 ft.), and GDAEXT114 (14 ft.)
- Carbon Monoxide Alarm GDM920
- Lithium-ion Battery Pack ..... P102, P103, P104, P105, P107, and P108
- Bluetooth Speaker GDM120
- Dual Laser Park Assist GDM222
- Extension Cord Reel GDM330
- Speed Control Fan GDM421
- Car Remote GDA100
- Safety Sensor GDA200
- Outdoor Keypad GDA300

⚠ WARNING:

Current attachments and accessories available for use with this product are listed above. 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.

TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	SOLUTION
All of the console buttons are blinking continuously	DC voltage below 24V.	Disconnect the unit from the power supply. Wait several minutes before reconnecting. If problem persists, contact customer service.
	DC voltage exceeds 40 volts	Disconnect the unit from the power supply. Wait several minutes before reconnecting. If problem persists, contact customer service.
When setting or testing travel limits, a buzzer sounds and the **UP** button in the console blinks continuously	Safety sensor (receiver) can't be detected.	Inspect sensor wires for damage and ensure they are installed correctly. Reset travel limits.
When setting or testing travel limits, a buzzer sounds and the **DOWN** button in the console blinks continuously	Safety sensor (transmitter) can't be detected.	Disconnect the unit from the power supply. Inspect sensor wires for damage and ensure they are installed correctly. Connect the power supply and reset travel limits.
When testing travel limits, a buzzer sounds and all console buttons blink seven times.	A step for setting the travel limits was not completed within two minutes.	Complete each step for setting the travel limits within two minutes.
When testing travel limits, a buzzer sounds twice and all console buttons blink eleven times.	Safety sensors became misaligned or obstructed during testing	Remove the obstruction or align the safety sensors as described in the *Installation* section.

TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	SOLUTION
When programming the outdoor keypad, a buzzer sounds and all console buttons blink seven times.	A step for programming the outdoor keypad was not completed within two minutes.	Complete each step for programming the outdoor keypad within two minutes.
When programming a car remote, a buzzer sounds and all console buttons blink seven times.	A step for programming the car remote was not completed within two minutes.	Complete each step for programming the car remote within two minutes.
During operation, the opener struggles to raise or lower the door and then stops. A buzzer sounds continuously and the **SET** button in the console blinks continuously.	Motor amperage has exceeded 8 amps.	Unplug the unit. Have door spring or door repaired or replaced by a qualified service technician.
	Door spring (torsion spring and/or extension spring) is damaged.	Unplug the unit. Have door spring repaired or replaced by a qualified service technician.
	Door is too heavy, broken, or stuck.	Unplug the unit. Have door repaired or replaced by a qualified service technician.
When a car remote, smart phone, or keypad is used a buzzer sounds and the **UP** and **DOWN** buttons in the console blink continuously	The travel limits have been erased or have not been set correctly.	Set the travel limits as described in the *Operation* section.
Garage door begins to close then stops and reverses. A buzzer sounds five times and the garage door opener's LED lights blink five times	The garage door opener hit an object while it was closing.	Remove the object and continue operation.
Garage door opener is in the fully open position and cannot be closed with a car remote, smart phone, or keypad	The safety sensors are not receiving power.	Inspect sensor wires for damage and ensure they are installed correctly. Reset travel limits.
Garage door opener does not activate when indoor keypad is pressed	Battery is low in charge or power supply not connected	Charge the battery or connect to power supply
	The wire connecting the keypad to the power head has been damaged	Replace damaged or broken wires
	Circuit breaker is tripped	Reset circuit breaker
Garage door opener activates, but the garage door does not move	The outer trolley is not engaged with the inner trolley	Pull the emergency release rope and raise the garage door until the outer trolley engages the inner trolley
	The door arms are not connected to the outer trolley	Secure the door arms to the outer trolley using clevis and hitch pin
	The door arms are not connected to the garage door	Secure the door arms to the garage door using clevis and hitch pin

TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	SOLUTION
Garage door cannot be opened or closed with car remote or outdoor keypad	The garage door opener is in Vacation Mode.	Press the **LOCK** (🔒) button on the indoor keypad or smart phone app to unlock the garage door opener
Garage door opener is loud or noisy	Fasteners may not be tightened securely	Inspect the entire product for loose parts such as screws, nuts, bolts, caps, etc. Tighten all parts securely
	The open travel limit has been set incorrectly (Single Panel Doors Only)	Adjust the travel limits as described in the *Operation* section
AC modules not working	AC power supply is disconnected	Connect AC power supply
	GFCI is tripped	Press the reset button on the console
	One or two modules are installed with a combined rating of more than 10 amps	Remove the module or modules and press the 10 amp circuit breaker reset button on the console.
DC modules not working	AC power supply is disconnected	Connect AC power supply
	The port powering the DC module is not activated.	Use the indoor keypad to activate the port.
Outdoor keypad does not work.	Keypad not programmed correctly	Program the keypad as described in the *Operation* section
	The keypad's signal is obstructed	Move keypad to a different location
Car remote not working	RF antenna is obstructed	Position the antenna below the opener.
	Remote not programmed correctly	Program the remote as described in the *Operation* section
	The remote's signal is obstructed	Move remote to a different location
Opener can't connect to Wi-Fi network	Wi-Fi router is not connected to the internet	Connect Wi-Fi router to the internet
	Opener not programmed correctly	Program unit according to app instructions
	Wi-Fi router using WEP security scheme	Change your network security settings to WPA/WPA2

WARRANTY

LIMITED WARRANTY STATEMENT

One World Technologies, Inc., warrants to the original retail purchaser that this RYOBI™ brand garage door opener is free from defect in material and workmanship and agrees to repair or replace, at One World Technologies, Inc.'s discretion, any defective product or part free of charge for the following time periods starting from the date of purchase.

- Three years for the power head, gearbox, rails, door arms, sensors, remotes, and keypads.
- Lifetime for the motor and belt. Lifetime shall mean as long as the original retail purchaser owns the garage door opener and the opener is not removed from its original installation.

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

If, within the warranty periods stated above, this product appears to have a defect covered under the limited warranty, contact customer service at 1-877-205-5714. One World Technologies, Inc. must be given a reasonable amount of time to determine if a warranty claim is valid prior to product being removed or altered. If it is determined that your claim is valid, you may be provided with instructions for disassembling and shipping the product or defective part. Any part of this product manufactured or supplied by One World Technologies, Inc., and found in the reasonable judgment of One World Technologies, Inc., to be defective in material or workmanship will be repaired or replaced without charge for parts. If disassembly, reinstallation, or repair is performed by a professional, labor costs are the sole responsibility of the purchaser.

The expense of shipping the product for warranty work and the expense of returning it back to the owner after repair or replacement will be paid by the owner. One World Technologies, 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 product. Proof of purchase will be required to substantiate any warranty claim. All warranty work must be approved by One World Technologies, Inc.

Instructions for installing, operating, maintaining, and testing the unit are included in the operator's manual. Failure to strictly adhere to those instructions will void this limited warranty.

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 the 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 so as to adversely affect the product's operation, performance or durability or that has been altered or modified so as to change its intended use.

The warranty does not extend to repairs made necessary by normal wear, acts of God, or by the use of parts or accessories which are either incompatible with the RYOBI™ brand garage door opener or adversely affect its operation, performance or durability. This warranty excludes units installed for non-residential or commercial use, labor costs for installing repaired or replacement units, any unauthorized repairs or modifications, the cost of replacing consumable items such as keypad and remote batteries, problems that may occur as a result of radio interference, and items that are a part of or related to the garage door including but not limited to door springs, door hinges, door rollers, and other garage door hardware.

One World Technologies, Inc., reserves the right to change or improve the design of any RYOBI™ brand garage door opener 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 STATED THREE-YEAR WARRANTY PERIOD. ONE WORLD TECHNOLOGIES, INC.'S OBLIGATION UNDER THIS WARRANTY IS STRICTLY AND EXCLUSIVELY LIMITED TO THE REPAIR OR REPLACEMENT OF DEFECTIVE PARTS AND ONE WORLD TECHNOLOGIES, 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. ONE WORLD TECHNOLOGIES, INC., ASSUMES NO RESPONSIBILITY FOR INCIDENTAL, CONSEQUENTIAL OR OTHER DAMAGES INCLUDING, BUT NOT LIMITED TO EXPENSE OF RETURNING THE PRODUCT TO ONE WORLD TECHNOLOGIES, INC. 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 garage door openers distributed by One World Technologies, Inc., and sold in the United States, Mexico, and Canada.

FCC COMPLIANCE

The following FCC compliance information is for the GD200 garage door opener only. For information regarding other products, like modules and accessories, refer to the labels and documentation included with those items.

⚠ WARNING:

Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE: The grantee is not responsible for any changes or modifications not expressly approved by the party responsible for compliance. Such modifications could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with 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 can be determined 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 receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.

For additional FCC information, refer to the data label located inside the battery compartment.