READ THIS FIRST

Model G0860/G0861

******IMPORTANT UPDATE******

For Machines Mfd. Since 01/24
and Owner's Manual Revised 08/21

For questions or help with this product contact Tech Support at (570) 546-9663 or techsupport@grizzly.com

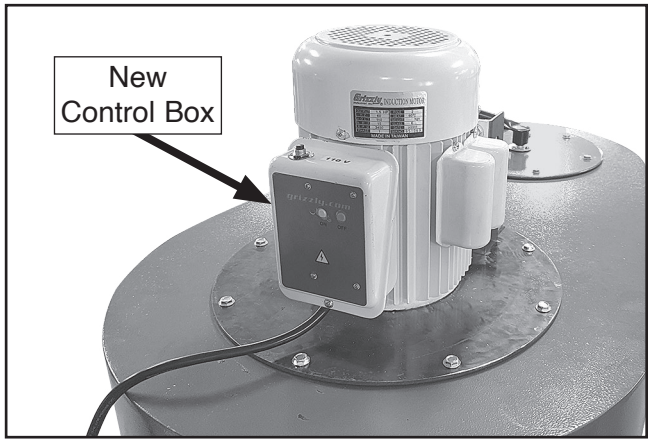
The following changes were recently made since the owner's manual was printed:

- Motor and control box controls have changed.

Aside from this information, all other content in the owner's manual applies and MUST be read and understood for your own safety. **IMPORTANT: Keep this update with the owner's manual for future reference.**

For questions or help, contact our Tech Support at (570) 546-9663 or techsupport@grizzly.com.

New Control Box



Revised Specifications

Electrical

Switch Type ..... Circuit Board with ON/OFF Buttons & Remote Receiver

Revised Assembly

In **Assembly** section of manual, **Note** in **Step 2** and **Steps 30—33** no longer apply.

Revised Controls & Components

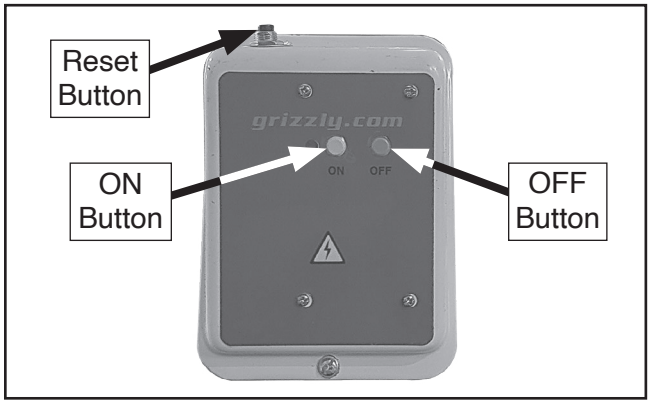


Figure 1. Control box.

B. Control Box: Controls motor operation. Press ON button to turn machine ***ON***; press OFF button to turn machine ***OFF***. Also houses an RF receiver for operation via remote control.

H. Reset Button: Allows machine to be restarted after thermal overload has tripped. To reset, wait a few minutes for motor to cool, then press reset button. If button does not stay depressed, allow motor to cool longer, then try again.

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#JP22927 PRINTED IN TAIWAN

Test Run

Once assembly is complete, test run the machine to ensure it is properly connected to power and safety components are functioning correctly.

If you find an unusual problem during the test run, immediately stop the machine, disconnect it from power, and fix the problem BEFORE operating the machine again. The **Troubleshooting** table in the **SERVICE** section of this manual can help.

The Test Run consists of verifying the following: 1) The motor powers up and runs correctly, and 2) the remote control works correctly.

⚠WARNING

Serious injury or death can result from using this machine BEFORE understanding its controls and related safety information. DO NOT operate, or allow others to operate, machine until the information is understood.

⚠WARNING

DO NOT start machine until all preceding setup instructions have been performed. Operating an improperly set up machine may result in malfunction or unexpected results that can lead to serious injury, death, or machine/property damage.

To test run machine:

1. Clear all setup tools away from machine.

2. Lock all swivel casters on base stand.

3. Connect machine to dust-collection system or place covers over inlet adapter ports.

   IMPORTANT: DO NOT operate dust collector without first connecting it to a dust-collection system or covering an inlet adapter port. Otherwise, lack of airflow resistance will cause motor to operate at full amperage load, which could trip your circuit breaker or blow a fuse.

4. Connect machine to power.

5. Standing away from intake port, press ON button (see **Figure 2**) to turn machine ***ON***. Verify motor starts up and runs smoothly without any problems or unusual noises.

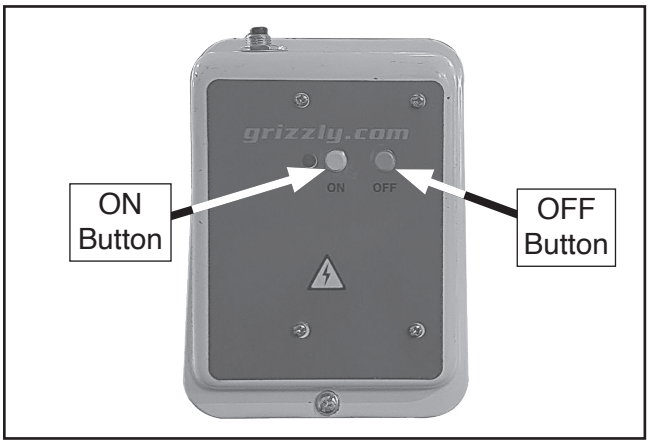


Figure 2. Location of ON and OFF buttons.

6. Press OFF button to turn machine ***OFF***.

7. Press green remote button (see **Figure 3**) to turn machine ***ON***. Verify motor starts up and runs smoothly without any problems or unusual noises.

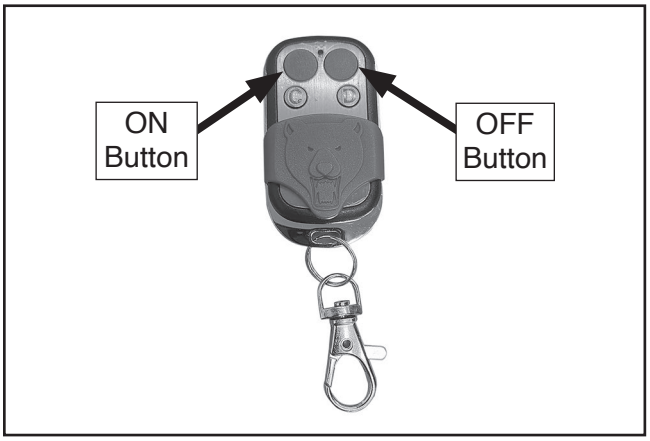


Figure 3. Location of remote control buttons.

8. Press red remote button to turn machine ***OFF***.

   — If machine *does not* turn ***OFF*** with remote control, press OFF button on control box to turn machine ***OFF***. Refer to Troubleshooting on **Page 41** of manual to correct any problems with remote control unit before further using it with machine.

Pairing Remote Control

Models G0860 and G0861 are equipped with a remote control receiver unit that can be programmed to operate 5 separate controllers.

Items Needed	Qty
Phillips Head Screwdriver #2	1
Small Wooden Dowel	1

⚠WARNING

Avoid touching electrified parts inside junction box while performing the following procedure! Touching electrified parts will result in serious personal injury such as severe burns, electrocution, or death. Use a wood dowel or other non-conducting item to push button on receiver.

To pair remote control:

1. Remove Phillips head screw from control box cover, then carefully open control box.

2. Press and hold "CODE SAVE" button (see **Figure 4**) on circuit board with wooden dowel until it beeps once.

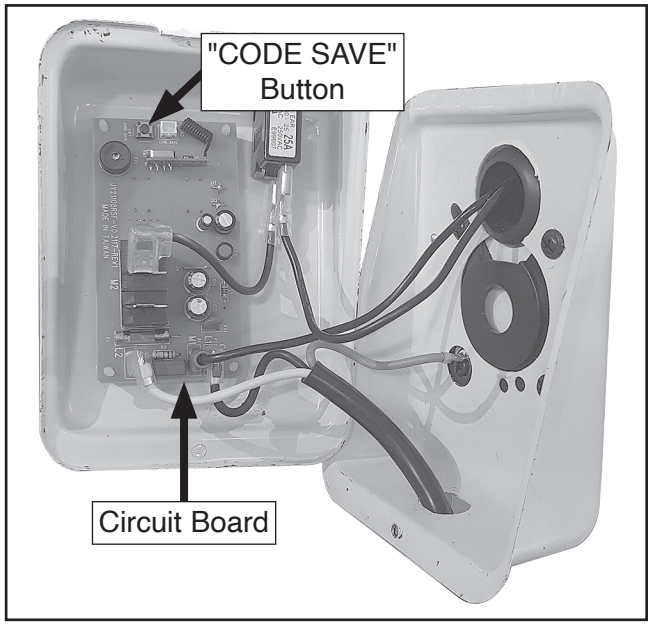


Figure 4. Location of circuit board and "CODE SAVE" button.

3. Press and hold D button (see **Figure 5**) on remote control until it beeps twice. Pairing is complete.

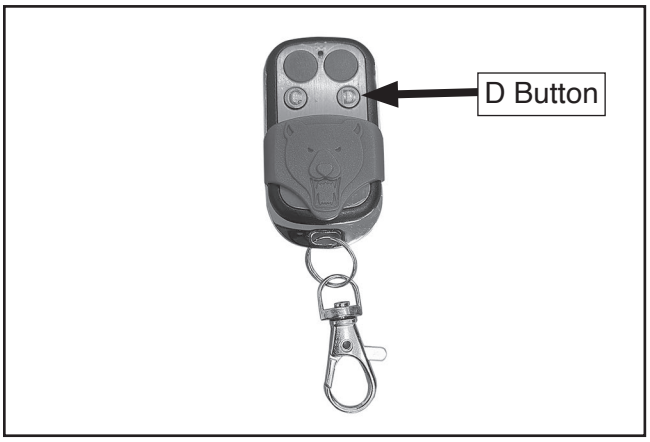


Figure 5. Location of D button on remote control.

4. Install control box cover and secure with Phillips head screw removed in **Step 1**.

Replacing Remote Control Battery

The remote control is powered by a 12V type A27 battery. If the receiver stops responding to the remote control, replace the battery as the first course of action.

Items Needed	Qty
Phillips Head Screwdriver #00	1
A27 12V Battery	1

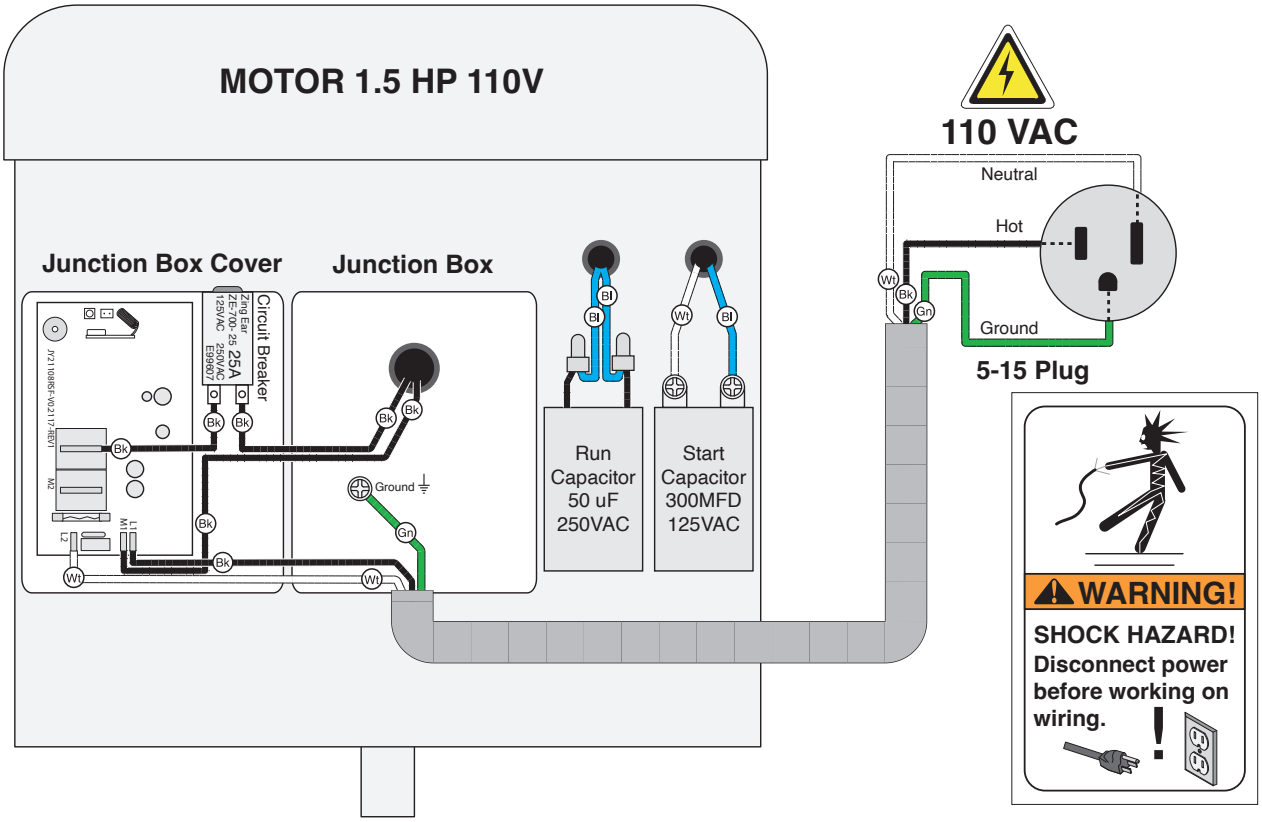
To replace remote control battery:

1. Turn remote control face down, remove (3) Phillips head screws, then remove battery cover.

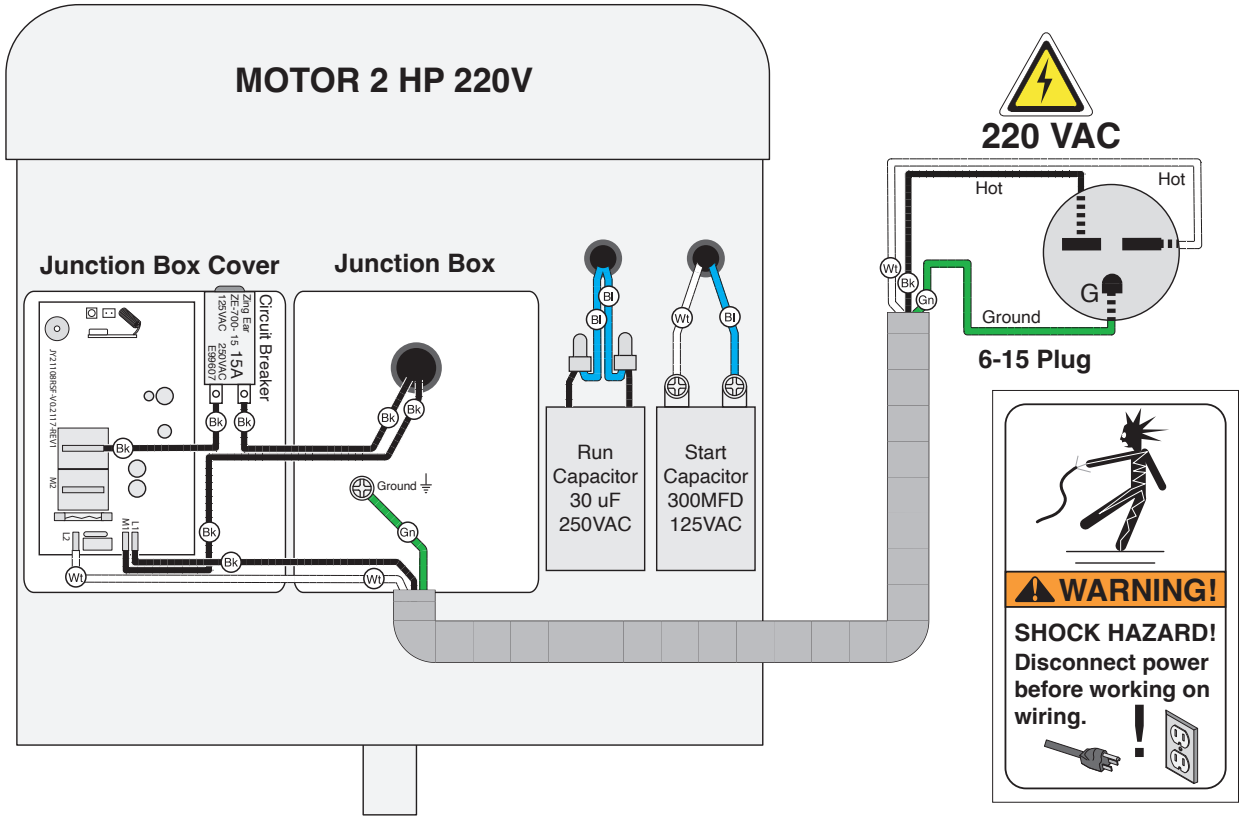
2. Replace battery, then re-assemble remote control.

(Replaces Pages 47–48 in Manual)

G0860 Wiring Diagram



G0861 Wiring Diagram



Revised Electrical Components

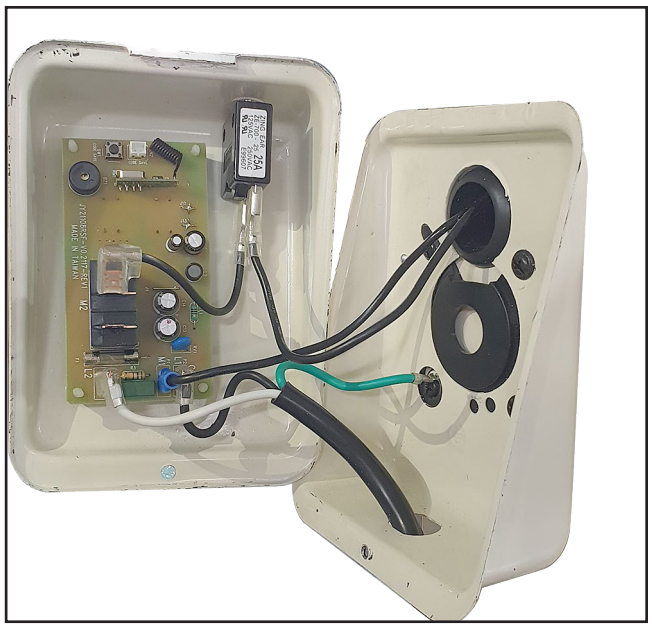


Figure 6. G0860 junction box components.

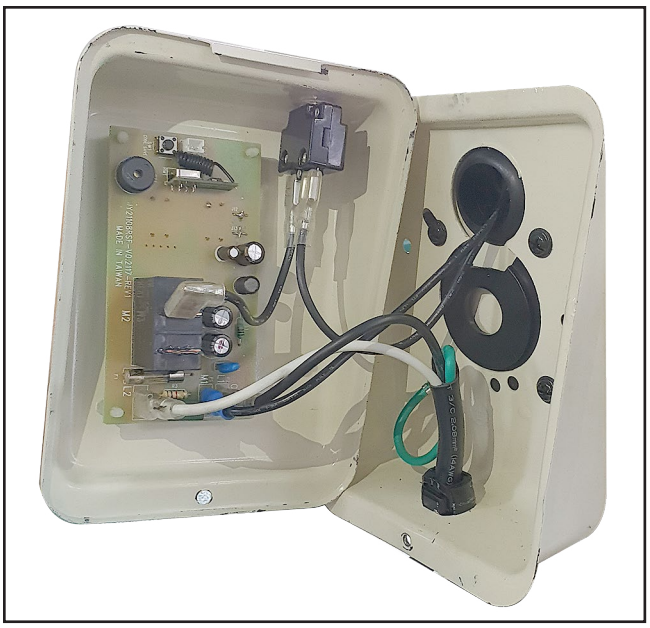


Figure 8. G0861 junction box components.



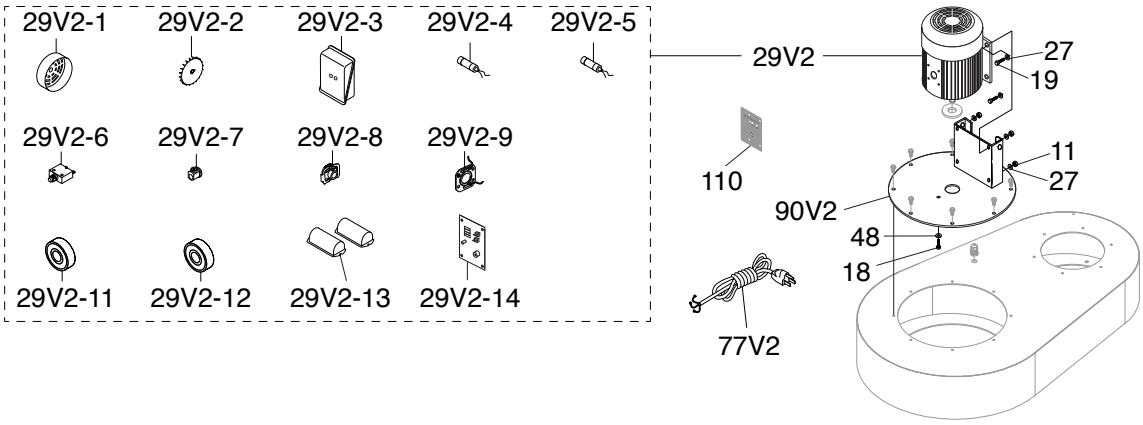
Figure 7. G0860 capacitors.



Figure 9. G0861 capacitors.

STOP ***READ ELECTRICAL SAFETY ON PAGE 45 OF MANUAL!***

Revised Parts



Revised G0860 Parts List

REF	PART #	DESCRIPTION
11	P0860011	HEX NUT 5/16-18
18	P0860018	HEX BOLT 1/4-20 X 1/2
19	P0860019	HEX BOLT 5/16-18 X 1
27	P0860027	FLAT WASHER 5/16
29V2	P0860029V2	MOTOR 1.5HP 110V 1-PH V2.10.23
29V2-1	P0860029V2-1	MOTOR FAN COVER
29V2-2	P0860029V2-2	MOTOR FAN
29V2-3	P0860029V2-3	MOTOR JUNCTION BOX
29V2-4	P0860029V2-4	R CAPACITOR 50M 250V 1-1/2 X 2-3/8
29V2-5	P0860029V2-5	S CAPACITOR 300M 125V 1-3/8 X 2-5/8
29V2-6	P0860029V2-6	CIRCUIT BREAKER ZING EAR ZE-700 25A

REF	PART #	DESCRIPTION
29V2-7	P0860029V2-7	STRAIN RELIEF TYPE-2 15MM
29V2-8	P0860029V2-8	CENTRIFUGAL SWITCH
29V2-9	P0860029V2-9	CONTACT PLATE
29V2-11	P0860029V2-11	BALL BEARING 6203-2RS
29V2-12	P0860029V2-12	BALL BEARING 6205-2RS
29V2-13	P0860029V2-13	CAPACITOR COVER
29V2-14	P0860029V2-14	CIRCUIT BOARD
48	P0860048	FLAT WASHER 1/4
77V2	P0860077V2	POWER CORD 14G 3W 72" 5-15P V2.10.23
90V2	P0860090V2	MOTOR PLATE V2.10.23
110	P0860110	JUNCTION BOX LABEL

Revised G0861 Parts List

REF	PART #	DESCRIPTION
11	P0861011	HEX NUT 5/16-18
18	P0861018	HEX BOLT 1/4-20 X 1/2
19	P0861019	HEX BOLT 5/16-18 X 1
27	P0861027	FLAT WASHER 5/16
29V2	P0861029V2	MOTOR 2HP 220V 1-PH V2.10.23
29V2-1	P0861029V2-1	MOTOR FAN COVER
29V2-2	P0861029V2-2	MOTOR FAN
29V2-3	P0861029V2-3	MOTOR JUNCTION BOX
29V2-4	P0861029V2-4	R CAPACITOR 30M 250V 1-1/2 X 2-3/8
29V2-5	P0861029V2-5	S CAPACITOR 300M 125V 1-3/8 X 2-5/8
29V2-6	P0861029V2-6	CIRCUIT BREAKER ZING EAR ZE-700 15A

REF	PART #	DESCRIPTION
29V2-7	P0861029V2-7	STRAIN RELIEF TYPE-2 15MM
29V2-8	P0861029V2-8	CENTRIFUGAL SWITCH
29V2-9	P0861029V2-9	CONTACT PLATE
29V2-11	P0861029V2-11	BALL BEARING 6203-2RS
29V2-12	P0861029V2-12	BALL BEARING 6205-2RS
29V2-13	P0861029V2-13	CAPACITOR COVER
29V2-14	P0861029V2-14	CIRCUIT BOARD
48	P0861048	FLAT WASHER 1/4
77V2	P0861077V2	POWER CORD 14G 3W 72" 6-15P V2.10.23
90V2	P0861090V2	MOTOR PLATE V2.10.23
110	P0861110	JUNCTION BOX LABEL

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READ THIS FIRST

Model G0861/G0862

******IMPORTANT UPDATE******

For Machines Mfd. Since 01/22
and Owner's Manual Revised 08/21

For questions or help with this product contact Tech Support at (570) 546-9663 or techsupport@grizzly.com

The following change was made since the owner's manual was printed:

- The inlet adapter has changed.

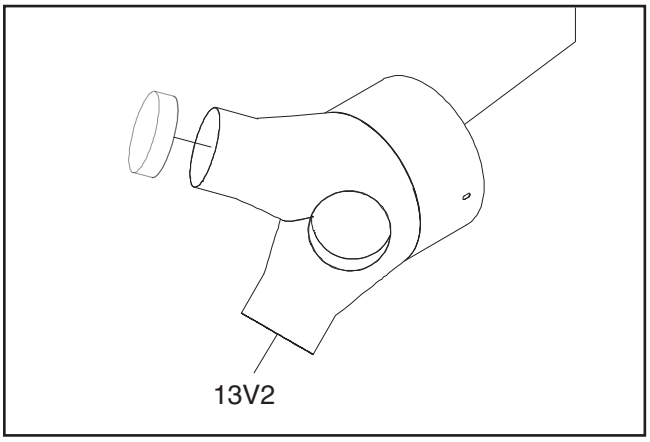
Aside from this information, all other content in the owner's manual applies and MUST be read and understood for your own safety. **IMPORTANT: Keep this update with the owner's manual for future reference.**

For questions or help, contact our Tech Support at (570) 546-9663 or techsupport@grizzly.com.

Old Inlet Adapter



Revised Parts



REF	PART #	DESCRIPTION
13V2	P0861013V2	INLET ADAPTER 7" X 4" X 3 (PC) V2.01.22
13V2	P0862013V2	INLET ADAPTER 8" X 4" X 3 (PC) V2.01.22

New Inlet Adapter



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#JM22410 PRINTED IN TAIWAN

MODEL G0860/G0861/G0862
CYCLONE DUST COLLECTORS
OWNER'S MANUAL
(For models manufactured since 02/21)



G0860



G0861



G0862

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⚠ WARNING!

This manual provides critical safety instructions on the proper setup, operation, maintenance, and service of this machine/tool. Save this document, refer to it often, and use it to instruct other operators.

Failure to read, understand and follow the instructions in this manual may result in fire or serious personal injury—including amputation, electrocution, or death.

The owner of this machine/tool is solely responsible for its safe use. This responsibility includes but is not limited to proper installation in a safe environment, personnel training and usage authorization, proper inspection and maintenance, manual availability and comprehension, application of safety devices, cutting/sanding/grinding tool integrity, and the usage of personal protective equipment.

The manufacturer will not be held liable for injury or property damage from negligence, improper training, machine modifications or misuse.

⚠ WARNING!

Some dust created by power sanding, sawing, grinding, drilling, and other construction activities contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:

- **Lead from lead-based paints.**
- **Crystalline silica from bricks, cement and other masonry products.**
- **Arsenic and chromium from chemically-treated lumber.**

Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals: Work in a well ventilated area, and work with approved safety equipment, such as those dust masks that are specially designed to filter out microscopic particles.

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INTRODUCTION

Contact Info

We stand behind our machines! If you have questions or need help, contact us with the information below. Before contacting, make sure you get the **serial number** and **manufacture date** from the machine ID label. This will help us help you faster.

Grizzly Technical Support
1815 W. Battlefield
Springfield, MO 65807
Phone: (570) 546-9663
Email: techsupport@grizzly.com

We want your feedback on this manual. What did you like about it? Where could it be improved? Please take a few minutes to give us feedback.

Grizzly Documentation Manager
P.O. Box 2069
Bellingham, WA 98227-2069
Email: manuals@grizzly.com

Machine Differences

G0860
- 1.5 HP 110V Single-Phase Motor
- 6" Dust Port Inlet with 2 x 4" Adapter
- 868 CFM @ 1.8" SP
- 1-Micron Canister Filter
- 20-Gallon Collection Capacity

G0861
- 2 HP 220V Single-Phase Motor
- 7" Dust Port Inlet with 3 x 4" Adapter
- 1023 CFM @ 1.2" SP
- 1-Micron Canister Filter
- 20-Gallon Collection Capacity

G0862
- 3 HP 220V Single-Phase Motor
- 8" Dust Port with 3 x 4" Adapter
- 1941 CFM @ 2.9" SP
- 1-Micron Canister Filter
- 45-Gallon Collection Capacity

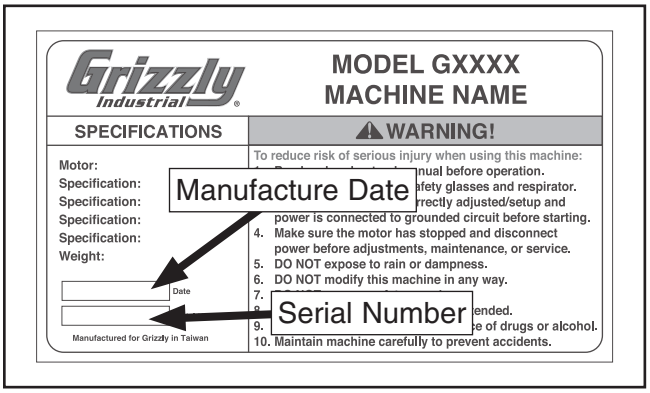
Manual Accuracy

We are proud to provide a high-quality owner's manual with your new machine!

We made every effort to be exact with the instructions, specifications, drawings, and photographs in this manual. Sometimes we make mistakes, but our policy of continuous improvement also means that **sometimes the machine you receive is slightly different than shown in the manual**.

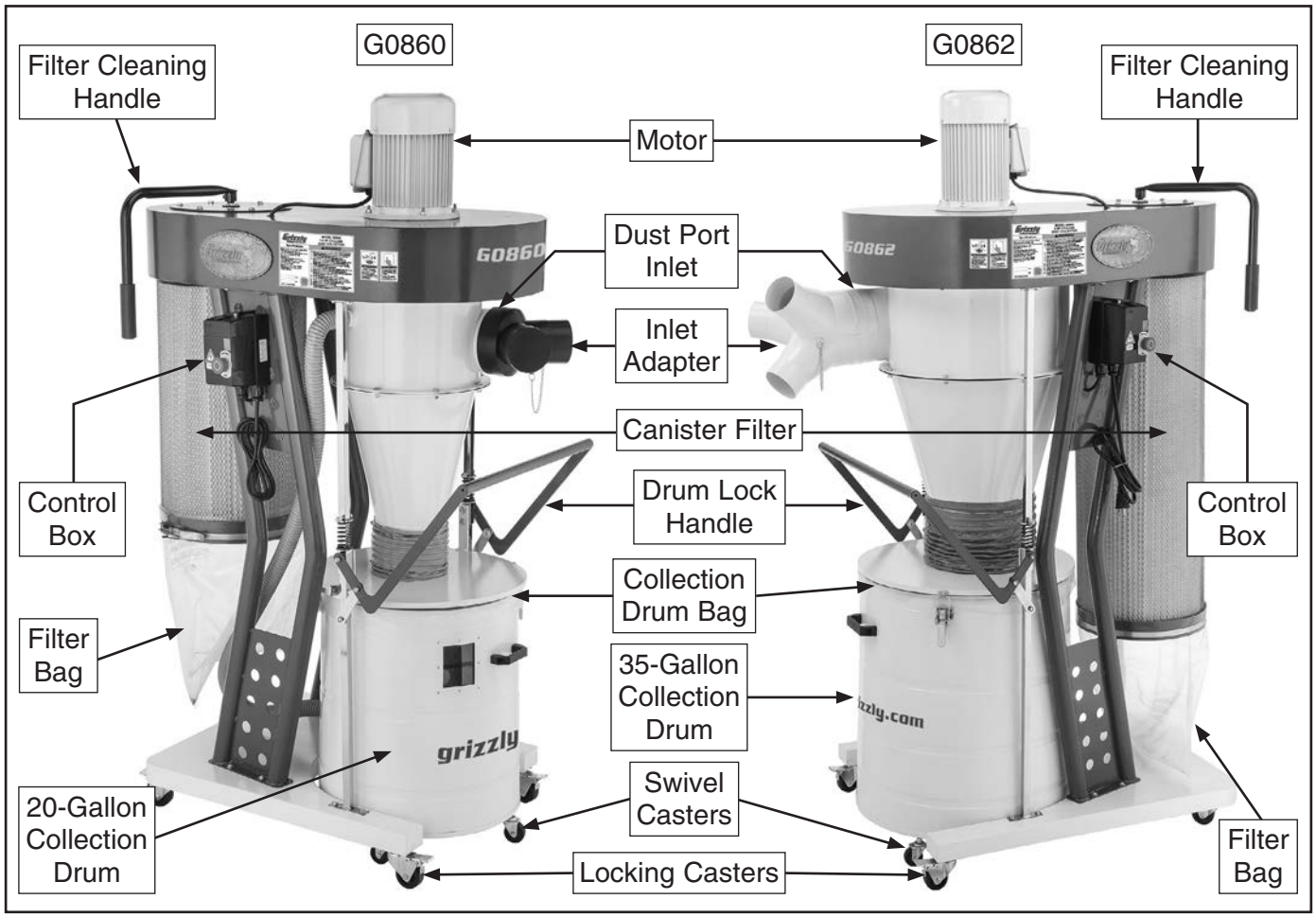
If you find this to be the case, and the difference between the manual and machine leaves you confused or unsure about something, check our website for an updated version. We post current manuals and manual updates for free on our website at **www.grizzly.com**.

Alternatively, you can call our Technical Support for help. Before calling, make sure you write down the **manufacture date** and **serial number** from the machine ID label (see below). This information is required for us to provide proper tech support, and it helps us determine if updated documentation is available for your machine.



Identification

Become familiar with the names and locations of the features shown below to better understand the instructions in this manual.

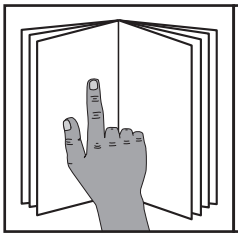


⚠WARNING

Like all machinery there is potential danger when operating this machine. Accidents are frequently caused by lack of familiarity or failure to pay attention. Use this machine with respect and caution to decrease the risk of operator injury. If normal safety precautions are overlooked or ignored, serious personal injury may occur.

⚠CAUTION

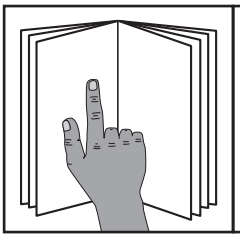
No list of safety guidelines can be complete. Every shop environment is different. Always consider safety first, as it applies to your individual working conditions. Use this and other machinery with caution and respect. Failure to do so could result in serious personal injury, damage to equipment, or poor work results.



⚠WARNING

To reduce your risk of serious injury, read this entire manual BEFORE using machine.

Controls & Components



⚠WARNING

To reduce your risk of serious injury, read this entire manual BEFORE using machine.

Refer to the following figures and descriptions to become familiar with the basic controls and components of this machine. Understanding these items and how they work will help you understand the rest of the manual and minimize your risk of injury when operating this machine.

A. Filter Cleaning Handle: Turns paddles inside canister filter to knock dust cake off filter pleats, cleaning filter and helping maintain good air flow.

B. Control Box: Controls motor operation with a thermally protected magnetic switch. Houses an RF receiver for operation via remote control.

C. Removable Filter Bag: Collects fine dust from filter area.

D. Inlet Adapter: Allows connection of two 4" ducts (Model G0860) or three 4" ducts (Models G0861 & G0862) to main dust port inlet.

E. Collection Drum Lock Handle: Secures dust collection drum to lid when pressed down. Releases collection drum when lifted.

F. Collection Drum Inspection Window: Allows operator to see when collection drum needs to be emptied.

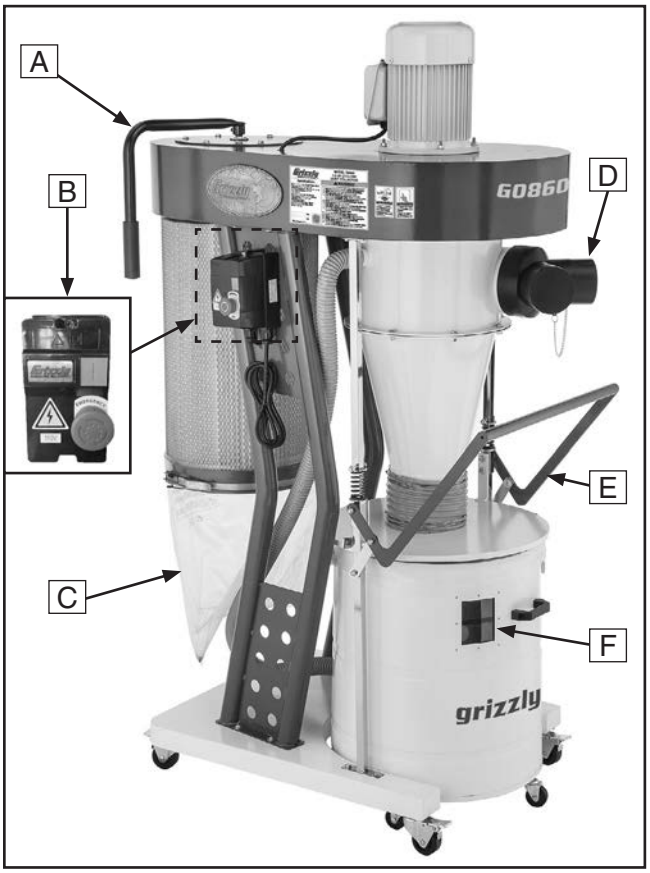


Figure 1. G0860-G0862 components.

G. Remote Control: Green button turns motor ***ON.*** Red button turns motor ***OFF***. Requires a 12V, type A27 battery.

Note: *The remote control operates on radio frequency and has a 75-ft. range. It does not need to be aimed at the control box to operate.*

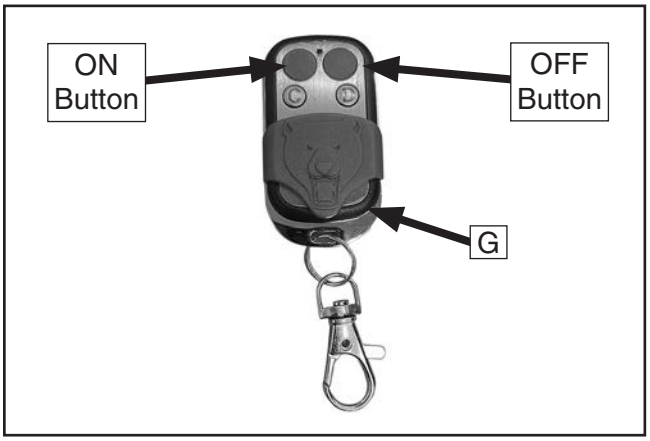


Figure 2. Remote control.

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MACHINE DATA SHEET

G0860/G0861/G0862 DUST COLLECTORS

Model Number	G0860	G0861	G0862
Product Dimensions			
Weight	265 lbs.	285 lbs.	348 lbs.
Width (side-to-side) x Depth (front-to-back) x Height	27½" x 44" x 70"	28½" x 52" x 70"	31" x 54" x 82"
Footprint (Length x Width)	32½" x 24"	36" x 26"	40" x 31"
Shipping Dimensions			
Type	Cardboard Box 1, Main Body		
Weight	199 lbs.	213 lbs.	282 lbs.
Width x Depth x Height	43" x 29" x 23"		45" x 34" x 29"
Type	Cardboard Box 2, Stand & Support Arms		
Weight	39 lbs.		42 lbs.
Width x Depth x Height	50" x 18" x 8"		59" x 19" x 8"
Type	Cardboard Box 3, Canister Filter & Collection Drum		
Weight	40 lbs.	42 lbs.	52 lbs.
Width x Depth x Height	22" x 22" x 28"		27" x 27" x 45"
Electrical			
Power Requirement	110V, Single-Phase, 60 Hz	220V, Single-Phase, 60 Hz	
Full-Load Current Rating	15A	9A	15A
Minimum Circuit Size	20A	15A	30A
Connection Type	Cord & Plug		
Power Cord Included	Yes		
Power Cord Length	72"		120"
Power Cord Gauge	14 AWG		12 AWG
Plug Included	Yes		
Included Plug Type	5-15	6-15	L6-30
Switch Type	Remote Control Magnetic Switch w/Overload Protection		
Motor			
Type	TEFC Capacitor-Start Induction		
Horsepower	1.5 HP	2 HP	3 HP
Phase	Single-Phase		
Amps	15A	9A	15A
Speed	3450 RPM		
Power Transfer	Direct		
Bearings	Shielded & Permanently Lubricated		
Centrifugal Switch/Contacts Type	External		

Model Number	G0860	G0861	G0862
Operation			
Dust Collector Type	Two-Stage (Cyclone)		
Approved Dust Types	Wood		
Filter Type	Pleated Cartridge, Spun-Bond Polyester		
Air Flow Performance	868 CFM @ 1.8" SP	1023 CFM @ 1.2" SP	1941 CFM @ 2.9" SP
Max. Static Pressure (at 0 CFM)	9.7"	10.9"	11.0"
Main Inlet Size	6"	7"	8"
Inlet Adapter Included	Yes		
Number of Adapter Inlets	2	3	
Adapter Inlet Size	4"	4"	
Machine Collection Capacity	2 Machines	3 Machines	
Max. Material Collection Capacity	20 Gallons		45 Gallons
Bag Information			
Number of Filter Bags	1		
Number of Collection Drum Bags	1		
Filter Bag Diameter	15"		
Filter Bag Length	30"		
Collection Drum Bag Diameter	30"		39"
Collection Drum Bag Length	41"		56"
Canister Filter Information			
Number of Canister Filters	1		
Filtration Rating	1 Micron		
Canister Filter Diameter	14½"		
Canister Filter Length	24"		39⅜"
Filter Surface Area	28.1 sq. ft.		45.2 sq. ft.
Impeller Information			
Impeller Type	Radial Fin		
Impeller Size	12¾"	12¾"	16"
Impeller Blade Thickness	¼"	¼"	⅛"
Construction			
Dust Collection Bags	Clear Plastic		
Base	Steel		
Frame	Steel		
Impeller	Cast Aluminum	Cast Aluminum	Cast Aluminum
Impeller Housing	Steel		
Body	Steel		
Collection Drum	Steel		
Paint Type/Finish	Powder Coated		
Manufacturer Specifications			
Country of Origin	Taiwan		
Warranty	1 Year		
Approx. Assembly & Setup Time	1 Hour		
Serial Number Location	Machine ID Label		
Sound Rating	78 dB		79 dB
ISO 9001 Factory	Yes		

SECTION 1: SAFETY

For Your Own Safety, Read Instruction Manual Before Operating This Machine

The purpose of safety symbols is to attract your attention to possible hazardous conditions. This manual uses a series of symbols and signal words intended to convey the level of importance of the safety messages. The progression of symbols is described below. Remember that safety messages by themselves do not eliminate danger and are not a substitute for proper accident prevention measures. Always use common sense and good judgment.

⚠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. It may also be used to alert against unsafe practices.**

NOTICE **Alerts the user to useful information about proper operation of the machine to avoid machine damage.**

Safety Instructions for Machinery

⚠WARNING

OWNER'S MANUAL. Read and understand this owner's manual BEFORE using machine.

TRAINED OPERATORS ONLY. Untrained operators have a higher risk of being hurt or killed. Only allow trained/supervised people to use this machine. When machine is not being used, disconnect power, remove switch keys, or lock-out machine to prevent unauthorized use—especially around children. Make your workshop kid proof!

DANGEROUS ENVIRONMENTS. Do not use machinery in areas that are wet, cluttered, or have poor lighting. Operating machinery in these areas greatly increases the risk of accidents and injury.

MENTAL ALERTNESS REQUIRED. Full mental alertness is required for safe operation of machinery. Never operate under the influence of drugs or alcohol, when tired, or when distracted.

ELECTRICAL EQUIPMENT INJURY RISKS. You can be shocked, burned, or killed by touching live electrical components or improperly grounded machinery. To reduce this risk, only allow qualified service personnel to do electrical installation or repair work, and always disconnect power before accessing or exposing electrical equipment.

DISCONNECT POWER FIRST. Always disconnect machine from power supply BEFORE making adjustments, changing tooling, or servicing machine. This prevents an injury risk from unintended startup or contact with live electrical components.

EYE PROTECTION. Always wear ANSI-approved safety glasses or a face shield when operating or observing machinery to reduce the risk of eye injury or blindness from flying particles. Everyday eyeglasses are NOT approved safety glasses.

⚠WARNING

WEARING PROPER APPAREL. Do not wear clothing, apparel or jewelry that can become entangled in moving parts. Always tie back or cover long hair. Wear non-slip footwear to reduce risk of slipping and losing control or accidentally contacting cutting tool or moving parts.

HAZARDOUS DUST. Dust created by machinery operations may cause cancer, birth defects, or long-term respiratory damage. Be aware of dust hazards associated with each workpiece material. Always wear a NIOSH-approved respirator to reduce your risk.

HEARING PROTECTION. Always wear hearing protection when operating or observing loud machinery. Extended exposure to this noise without hearing protection can cause permanent hearing loss.

REMOVE ADJUSTING TOOLS. Tools left on machinery can become dangerous projectiles upon startup. Never leave chuck keys, wrenches, or any other tools on machine. Always verify removal before starting!

USE CORRECT TOOL FOR THE JOB. Only use this tool for its intended purpose—do not force it or an attachment to do a job for which it was not designed. Never make unapproved modifications—modifying tool or using it differently than intended may result in malfunction or mechanical failure that can lead to personal injury or death!

AWKWARD POSITIONS. Keep proper footing and balance at all times when operating machine. Do not overreach! Avoid awkward hand positions that make workpiece control difficult or increase the risk of accidental injury.

CHILDREN & BYSTANDERS. Keep children and bystanders at a safe distance from the work area. Stop using machine if they become a distraction.

GUARDS & COVERS. Guards and covers reduce accidental contact with moving parts or flying debris. Make sure they are properly installed, undamaged, and working correctly BEFORE operating machine.

FORCING MACHINERY. Do not force machine. It will do the job safer and better at the rate for which it was designed.

NEVER STAND ON MACHINE. Serious injury may occur if machine is tipped or if the cutting tool is unintentionally contacted.

STABLE MACHINE. Unexpected movement during operation greatly increases risk of injury or loss of control. Before starting, verify machine is stable and mobile base (if used) is locked.

USE RECOMMENDED ACCESSORIES. Consult this owner's manual or the manufacturer for recommended accessories. Using improper accessories will increase the risk of serious injury.

UNATTENDED OPERATION. To reduce the risk of accidental injury, turn machine ***OFF*** and ensure all moving parts completely stop before walking away. Never leave machine running while unattended.

MAINTAIN WITH CARE. Follow all maintenance instructions and lubrication schedules to keep machine in good working condition. A machine that is improperly maintained could malfunction, leading to serious personal injury or death.

DAMAGED PARTS. Regularly inspect machine for damaged, loose, or mis-adjusted parts—or any condition that could affect safe operation. Immediately repair/replace BEFORE operating machine. For your own safety, DO NOT operate machine with damaged parts!

MAINTAIN POWER CORDS. When disconnecting cord-connected machines from power, grab and pull the plug—NOT the cord. Pulling the cord may damage the wires inside. Do not handle cord/plug with wet hands. Avoid cord damage by keeping it away from heated surfaces, high traffic areas, harsh chemicals, and wet/damp locations.

EXPERIENCING DIFFICULTIES. If at any time you experience difficulties performing the intended operation, stop using the machine! Contact our Technical Support at (570) 546-9663.

Additional Safety for Dust Collectors

⚠WARNING

Long-term respiratory damage can occur from using dust collectors without proper use of a respirator. Fire or explosions can result in smoke inhalation, serious burns, or death—if machine is used to collect incorrect materials, is operated near potential explosion sources, or ducting is improperly grounded. Entanglement, amputation, or death can occur if hair, clothing, or fingers are pulled into the inlet. To reduce the risk of these hazards, operator and bystanders MUST completely heed the hazards and warnings below.

INTENDED USE. Collecting the wrong materials can result in serious inhalation hazards, fire, explosions, or machine damage. This machine is ONLY designed to collect wood dust and chips from woodworking machines. DO NOT use it to collect silica, polyurethane, toxic fumes, metal dust or shavings, lead paint, drywall, asbestos, biohazards, explosive dusts, flammable or combustible liquids or fumes, nor burning or smoking material.

WEAR A RESPIRATOR. Fine dust that is too small to be caught in filter will be blown into ambient air. Always wear a NIOSH-approved respirator during operation and for a short time after to reduce your risk of permanent respiratory damage. Never collect dust from any hazardous material.

IMPELLER HAZARDS. To reduce risk of entanglement or contact with impeller, DO NOT place hands, hair, clothing, or tools in or near open dust collection inlet during operation, and keep small animals and children away. The powerful suction could easily pull them into impeller.

HAZARDOUS DUST. Dust exposure created while using machinery may cause cancer, birth defects, or long-term respiratory damage. Be aware of dust hazards associated with each workpiece material, and always wear a NIOSH-approved respirator.

EMPTYING DUST. When emptying bag or drum, wear respirator and safety glasses. Empty dust away from ignition sources and into approved container.

OPERATING LOCATION. To reduce respiratory exposure to fine dust, locate permanently installed dust collectors away from working area or in another room. DO NOT place dust collector where it can be exposed to rain or moisture, which creates a shock hazard and will reduce life of machine.

POWER DISCONNECT. Turn machine ***OFF***, disconnect from power supply, and allow impeller to completely stop before leaving machine unattended, or doing any maintenance or service.

REGULAR CLEANING. To reduce risk of starting a fire, regularly check/empty collection bags or drum to avoid buildup of fine dust, which can increase risk of fire. Regularly clean surrounding area where machine is operated—excessive dust buildup on overhead lights, heaters, electrical panels, or other heat sources will increase risk of fire.

SUSPENDED DUST PARTICLES. To reduce risk of death or injury caused by explosions or fires, DO NOT operate in areas where these risks are high, including spaces near pilot lights, open flames, or other ignition sources.

AVOIDING SPARKS. To reduce risk of fire, avoid collecting any metal objects or stones. These can possibly produce sparks when they strike impeller, which can smolder in wood dust for a long time before a fire is detected. If you accidentally cut into wood containing metal, immediately turn ***OFF*** dust collector, disconnect from power, and wait for impeller to stop. Then empty bag or drum into approved airtight metal container.

FIRE SUPPRESSION. Only operate dust collector in locations that contain fire suppression system or have fire extinguisher nearby.

STATIC ELECTRICITY. To reduce risk of fire or explosions caused by sparks from static electricity, ground all ducting using grounding wire.

DUST ALLERGIES. Dust from certain woods will cause an allergic reaction. Make sure you know what type of wood dust you will be exposed to in case of an allergic reaction.

SECTION 2: POWER SUPPLY

G0860 110V Power Supply

Availability

Before installing the machine, consider the availability and proximity of the required power supply circuit. If an existing circuit does not meet the requirements for this machine, a new circuit must be installed. To minimize the risk of electrocution, fire, or equipment damage, installation work and electrical wiring must be done by an electrician or qualified service personnel in accordance with all applicable codes and standards.



⚠WARNING

Electrocution, fire, shock, or equipment damage may occur if machine is not properly grounded and connected to power supply.

Full-Load Current Rating

The full-load current rating is the amperage a machine draws at 100% of the rated output power. On machines with multiple motors, this is the amperage drawn by the largest motor or sum of all motors and electrical devices that might operate at one time during normal operations.

G0860 Full-Load Current Rating..... 15 Amps

The full-load current is not the maximum amount of amps that the machine will draw. If the machine is overloaded, it will draw additional amps beyond the full-load rating.

If the machine is overloaded for a sufficient length of time, damage, overheating, or fire may result—especially if connected to an undersized circuit. To reduce the risk of these hazards, avoid overloading the machine during operation and make sure it is connected to a power supply circuit that meets the specified circuit requirements.

⚠WARNING

Serious injury could occur if you connect machine to power before completing setup process. DO NOT connect to power until instructed later in this manual.

110V Circuit Requirements

This machine is prewired to operate on a power supply circuit that has a verified ground and meets the following requirements:

Nominal Voltage 110V, 115V, 120V
Cycle ..... 60 Hz
Phase ..... Single-Phase
Power Supply Circuit ..... 20 Amps

A power supply circuit includes all electrical equipment between the breaker box or fuse panel in the building and the machine. The power supply circuit used for this machine must be sized to safely handle the full-load current drawn from the machine for an extended period of time. (If this machine is connected to a circuit protected by fuses, use a time delay fuse marked D.)

⚠CAUTION

For your own safety and protection of property, consult an electrician if you are unsure about wiring practices or electrical codes in your area.

Note: *Circuit requirements in this manual apply to a dedicated circuit—where only one machine will be running on the circuit at a time. If machine will be connected to a shared circuit where multiple machines may be running at the same time, consult an electrician or qualified service personnel to ensure circuit is properly sized for safe operation.*

Grounding & Plug Requirements

This machine MUST be grounded. In the event of certain malfunctions or breakdowns, grounding reduces the risk of electric shock by providing a path of least resistance for electric current.

This machine is equipped with a power cord that has an equipment-grounding wire and a grounding plug. Only insert plug into a matching receptacle (outlet) that is properly installed and grounded in accordance with all local codes and ordinances. DO NOT modify the provided plug!

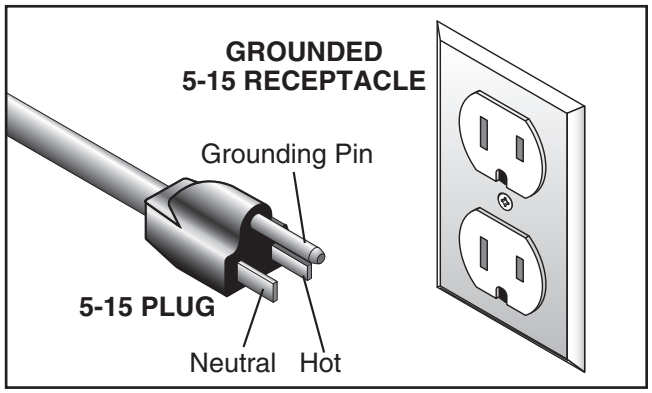
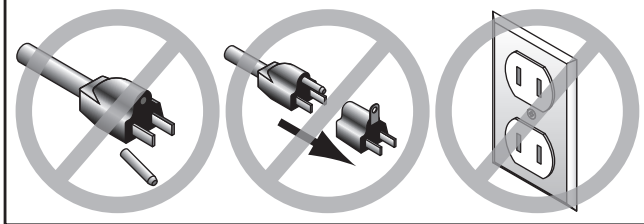


Figure 3. Typical 5-15 plug and receptacle.

⚠CAUTION



SHOCK HAZARD!

Two-prong outlets do not meet the grounding requirements for this machine. Do not modify or use an adapter on the plug provided—if it will not fit the outlet, have a qualified electrician install the proper outlet with a verified ground.

Improper connection of the equipment-grounding wire can result in a risk of electric shock. The wire with green insulation (with or without yellow stripes) is the equipment-grounding wire. If repair or replacement of the power cord or plug is necessary, do not connect the equipment-grounding wire to a live (current carrying) terminal.

Check with a qualified electrician or service personnel if you do not understand these grounding requirements, or if you are in doubt about whether the tool is properly grounded. If you ever notice that a cord or plug is damaged or worn, disconnect it from power, and immediately replace it with a new one.

Extension Cords

We do not recommend using an extension cord with this machine. If you must use an extension cord, only use it if absolutely necessary and only on a temporary basis.

Extension cords cause voltage drop, which can damage electrical components and shorten motor life. Voltage drop increases as the extension cord size gets longer and the gauge size gets smaller (higher gauge numbers indicate smaller sizes).

Any extension cord used with this machine must be in good condition and contain a ground wire and matching plug/receptacle. Additionally, it must meet the following size requirements:

Minimum Gauge Size .....12 AWG
Maximum Length (Shorter is Better).....50 ft.

G0861/G0862 220V Power Supply

Availability

Before installing the machine, consider the availability and proximity of the required power supply circuit. If an existing circuit does not meet the requirements for this machine, a new circuit must be installed. To minimize the risk of electrocution, fire, or equipment damage, installation work and electrical wiring must be done by an electrician or qualified service personnel in accordance with all applicable codes and standards.



⚠WARNING

Electrocution, fire, shock, or equipment damage may occur if machine is not properly grounded and connected to power supply.

Full-Load Current Rating

The full-load current rating is the amperage a machine draws at 100% of the rated output power. On machines with multiple motors, this is the amperage drawn by the largest motor or sum of all motors and electrical devices that might operate at one time during normal operations.

Full-Load Current Rating (G0861) .....9 Amps
Full-Load Current Rating (G0862) ..... 15 Amps

The full-load current is not the maximum amount of amps that the machine will draw. If the machine is overloaded, it will draw additional amps beyond the full-load rating.

If the machine is overloaded for a sufficient length of time, damage, overheating, or fire may result—especially if connected to an undersized circuit. To reduce the risk of these hazards, avoid overloading the machine during operation and make sure it is connected to a power supply circuit that meets the specified circuit requirements.

Circuit Information

A power supply circuit includes all electrical equipment between the breaker box or fuse panel in the building and the machine. The power supply circuit used for this machine must be sized to safely handle the full-load current drawn from the machine for an extended period of time. (If this machine is connected to a circuit protected by fuses, use a time delay fuse marked D.)

⚠CAUTION

For your own safety and protection of property, consult an electrician if you are unsure about wiring practices or electrical codes in your area.

Note: *Circuit requirements in this manual apply to a dedicated circuit—where only one machine will be running on the circuit at a time. If machine will be connected to a shared circuit where multiple machines may be running at the same time, consult an electrician or qualified service personnel to ensure circuit is properly sized for safe operation.*

Circuit Requirements

This machine is prewired to operate on a power supply circuit that has a verified ground and meets the following requirements:

Nominal Voltage 208V, 220V, 230V, 240V
Cycle .....60 Hz
Phase ..... Single-Phase
Power Supply Circuit (G0861)..... 15 Amps
Power Supply Circuit (G0862)..... 30 Amps
Plug/Receptacle (G0861)..... NEMA 6-15
Plug/Receptacle (G0862).....NEMA L6-30

Grounding Requirements

This machine MUST be grounded. In the event of certain malfunctions or breakdowns, grounding reduces the risk of electric shock by providing a path of least resistance for electric current.

This machine is equipped with a power cord that has an equipment-grounding wire and a grounding plug. Only insert plug into a matching receptacle (outlet) that is properly installed and grounded in accordance with all local codes and ordinances. DO NOT modify the provided plug!

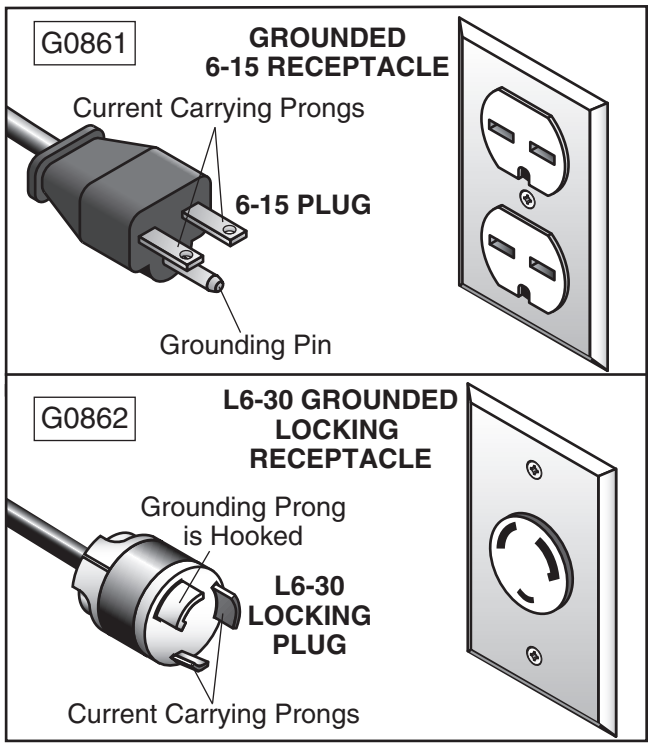
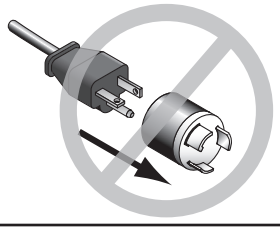


Figure 4. Typical 220V plugs and receptacles.

⚠CAUTION



No adapter should be used with plug. If plug does not fit available receptacle, or if machine must be reconnected for use on a different type of circuit, reconnection must be performed by an electrician or qualified service personnel, and it must comply with all local codes and ordinances.

⚠WARNING

Serious injury could occur if you connect machine to power before completing setup process. DO NOT connect to power until instructed later in this manual.

Improper connection of the equipment-grounding wire can result in a risk of electric shock. The wire with green insulation (with or without yellow stripes) is the equipment-grounding wire. If repair or replacement of the power cord or plug is necessary, do not connect the equipment-grounding wire to a live (current carrying) terminal.

Check with a qualified electrician or service personnel if you do not understand these grounding requirements, or if you are in doubt about whether the tool is properly grounded. If you ever notice that a cord or plug is damaged or worn, disconnect it from power, and immediately replace it with a new one.

Extension Cords

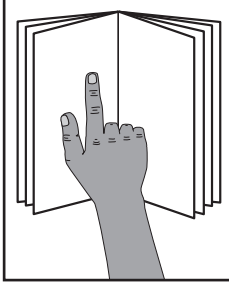
We do not recommend using an extension cord with this machine. If you must use an extension cord, only use it if absolutely necessary and only on a temporary basis.

Extension cords cause voltage drop, which can damage electrical components and shorten motor life. Voltage drop increases as the extension cord size gets longer and the gauge size gets smaller (higher gauge numbers indicate smaller sizes).

Any extension cord used with this machine must be in good condition and contain a ground wire and matching plug/receptacle. Additionally, it must meet the following size requirements:

Minimum Gauge Size (G0861).....14 AWG
Minimum Gauge Size (G0862) .....12 AWG
Maximum Length (Shorter is Better).....50 ft.

SECTION 3: SETUP



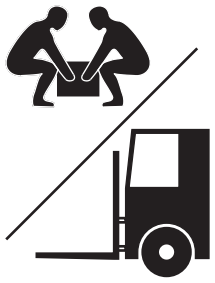
⚠WARNING

This machine presents serious injury hazards to untrained users. Read through this entire manual to become familiar with the controls and operations before starting the machine!



⚠WARNING

Wear safety glasses during the entire setup process!



⚠WARNING

HEAVY LIFT!

Straining or crushing injury may occur from improperly lifting machine or some of its parts. To reduce this risk, get help from other people and use a forklift (or other lifting equipment) rated for weight of this machine.

Needed for Setup

The following items are needed, but not included, for the setup/assembly of this machine.

Description	Qty
• Safety Glasses (for each person)	1
• Another Person	2
• Wrench or Socket 10mm	1
• Wrench or Socket 12mm	1
• Wrench or Socket 5/16"	1
• Wrench or Socket 3/8"	1
• Wrench or Socket 1/2"	1
• Hex Wrench 5mm	1
• Phillips Screwdriver #2	1

Unpacking

This machine was carefully packaged for safe transport. When unpacking, separate all enclosed items from packaging materials and inspect them for shipping damage. ***If items are damaged, please call us immediately at (570) 546-9663.***

IMPORTANT: Save all packaging materials until you are completely satisfied with the machine and have resolved any issues between Grizzly or the shipping agent. *You MUST have the original packaging to file a freight claim. It is also extremely helpful if you need to return your machine later.*

Inventory

The following is a list of items shipped with your machine. Before beginning setup, lay these items out and inventory them.

If any non-proprietary parts are missing (e.g. a nut or a washer), we will gladly replace them; or for the sake of expediency, replacements can be obtained at your local hardware store.

NOTICE

If you cannot find an item on this list, carefully check around/inside the machine and packaging materials. Often, these items get lost in packaging materials while unpacking or they are pre-installed at the factory.

Boxed Inventory (Figure 5)	Qty
A. Intake Barrel	1
B. Impeller Housing	1
C. Cyclone Funnel	1
D. Drum Lock Handle	1
E. Collection Drum Lid w/Ground Wire	1
F. Control Box w/RF Receiver Unit and Remote Control	1
G. Base	1
H. Hose Clamps 1¾"	2
I. Collection Drum Latches	2
J. Vacuum Hose 1½" x 60"	1
K. Filter Paddle Cover	1
L. Flexible Collection Drum Hose	1
M. Collection Drum Dust Bag	1
N. Filter Dust Bag	1
O. Swivel Casters 2"	4
P. Locking Swivel Casters 2½"	4
Q. Flexible Hose Clamps	2
R. Filter Dust Bag Clamp	1
S. Filter Handle Spindle	1
T. Collection Drum Handle	1
U. Inlet Adapter	1
V. Support Legs	2
W. Lock Handle Guides	2
X. Dust Collection Drum	1
Y. Canister Filter	1
Z. Vacuum Ring	1
AA. Filter Cleaning Handle	1

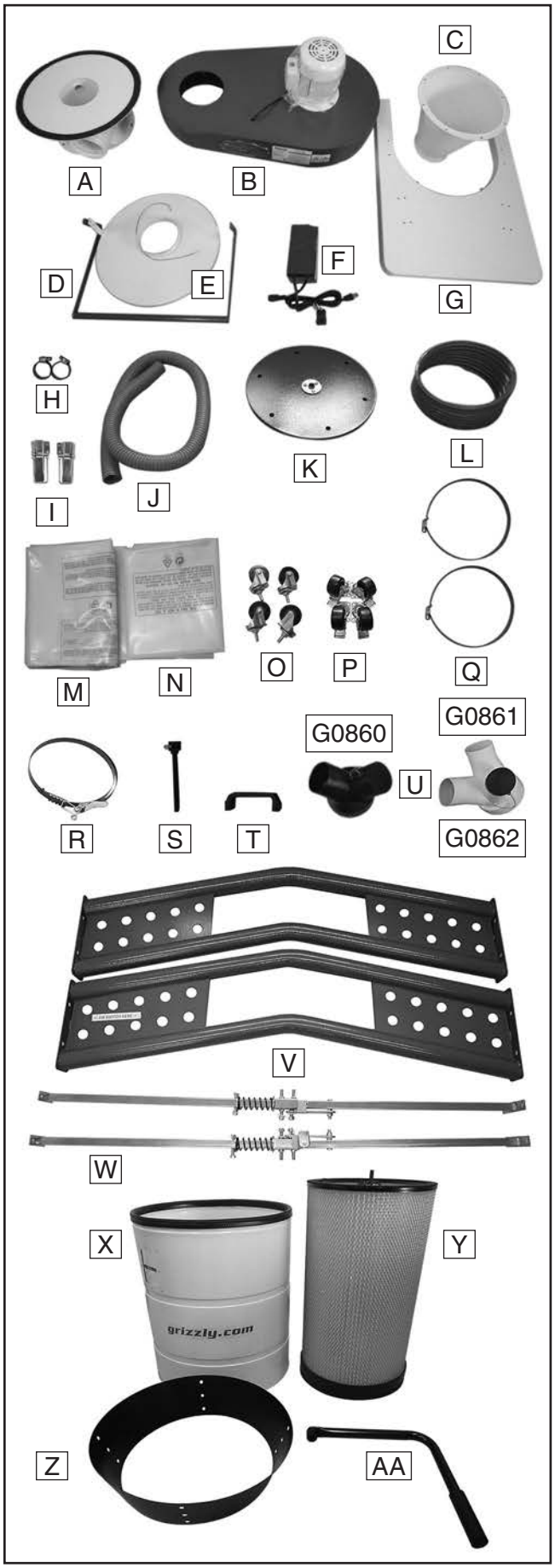


Figure 5. Boxed parts inventory.

Hardware/Fasteners (Figure 6)	Qty
AB. Flange Bolts 5/16"-18 x 3/4"	28
AC. Flange Bolts 5/16"-18 x 1/2"	24
AD. Button Head Cap Screws 5/16"-18 x 3/4"	16
AE. Hex Nuts 5/16"-18	4
AF. Flange Nuts 5/16"-18	12
AG. Flange Screw 10-24 x 3/8"	1
AH. Phillips Head Screws 10-24 x 3/4"	2
AI. Phillips Head Screws 1/4"-20 x 5/8"	2
AJ. Phillips Head Screws M4-.7 x 8	8
AK. Fender Washers 5/16"	16
AL. Flat Washers 5/16"	4
AM. Lock Nuts M4-.7	8
AN. Hex Nuts 10-24	2
AO. Acorn Nuts 1/4"-20	2

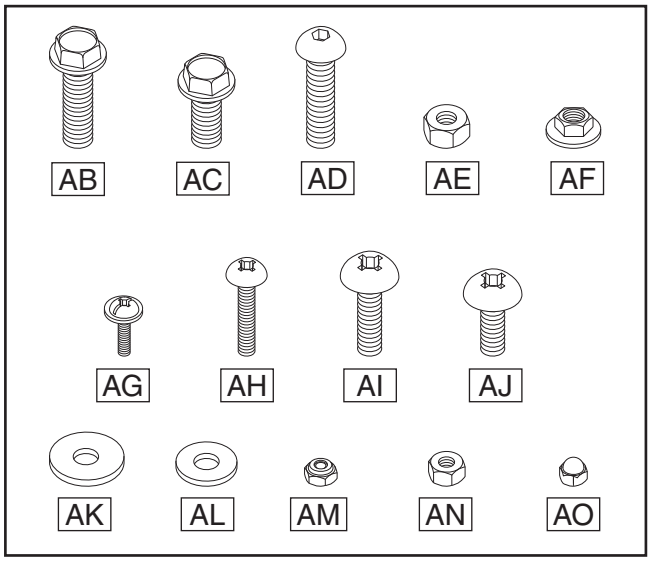


Figure 6. Hardware/fasteners.

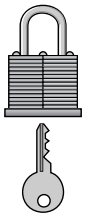
Site Considerations

Weight Load

Refer to the **Machine Data Sheet** for the weight of your machine. Make sure that the surface upon which the machine is placed will bear the weight of the machine, additional equipment that may be installed on the machine, and the heaviest workpiece that will be used. Additionally, consider the weight of the operator and any dynamic loading that may occur when operating the machine.

Space Allocation

Consider the largest size of workpiece that will be processed through this machine and provide enough space around the machine for adequate operator material handling or the installation of auxiliary equipment. With permanent installations, leave enough space around the machine to open or remove doors/covers as required by the maintenance and service described in this manual. **See below for required space allocation.**



⚠CAUTION

Children or untrained people may be seriously injured by this machine. Only install in an access restricted location.

Physical Environment

The physical environment where the machine is operated is important for safe operation and longevity of machine components. For best results, operate this machine in a dry environment that is free from excessive moisture, hazardous chemicals, airborne abrasives, or extreme conditions. Extreme conditions for this type of machinery are generally those where the ambient temperature range exceeds 41°–104°F; the relative humidity range exceeds 20%–95% (non-condensing); or the environment is subject to vibration, shocks, or bumps.

Electrical Installation

Place this machine near an existing power source. Make sure all power cords are protected from traffic, material handling, moisture, chemicals, or other hazards. Make sure to leave enough space around machine to disconnect power supply or apply a lockout/tagout device, if required.

Lighting

Lighting around the machine must be adequate enough that operations can be performed safely. Shadows, glare, or strobe effects that may distract or impede the operator must be eliminated.

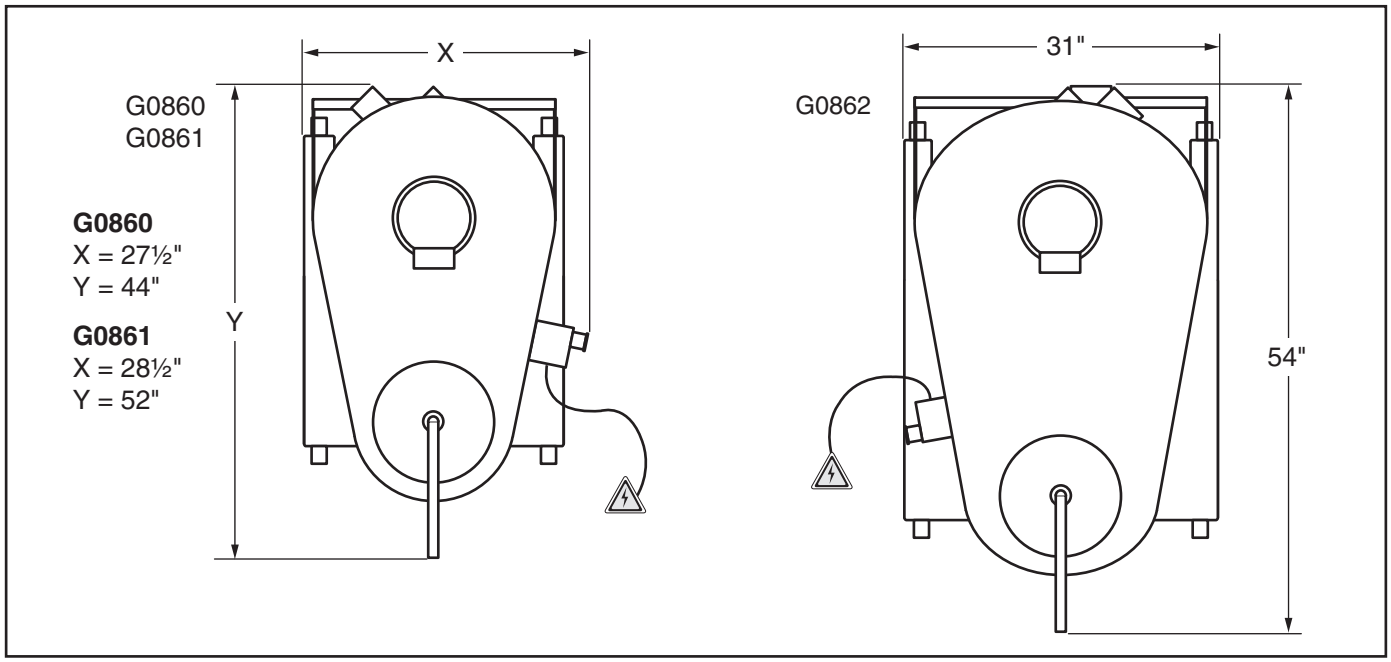


Figure 7. Minimum working clearances.

Assembly

The machine must be fully assembled before it can be operated. Before beginning the assembly process, refer to **Needed for Setup** and gather all listed items. To ensure the assembly process goes smoothly, first clean any parts that are covered or coated in heavy-duty rust preventative (if applicable).

IMPORTANT: When assembling any components with a gasket, tighten fasteners in an alternating star pattern (see **Figure 8**) to ensure an even seal and reduce the risk of air leaks.

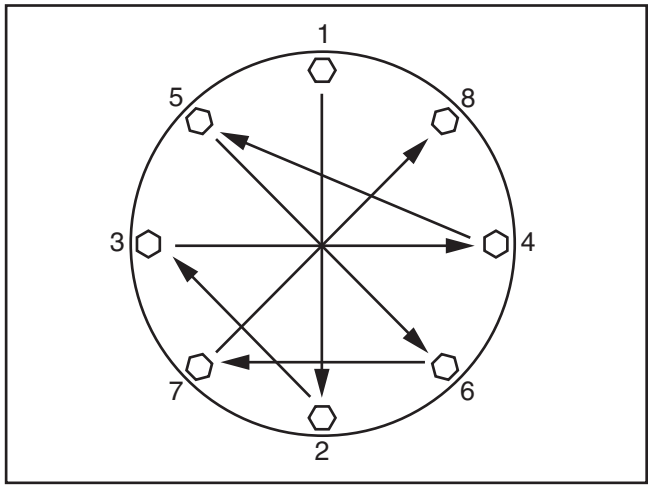


Figure 8. Alternating star pattern for tighteners of components assembled with a gasket.

To assemble dust collector:

1. Attach (4) 2½" locking swivel casters to bottom of base, and secure each caster with (4) 5/16"-18 x ½" flange bolts (see **Figure 9**).

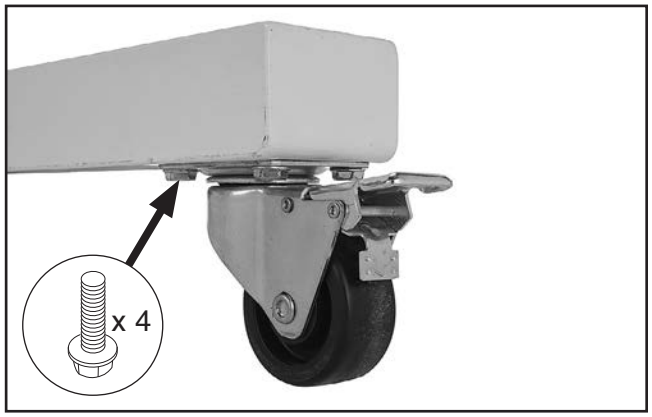


Figure 9. Locking swivel caster (1 of 4) attached to base.

2. Attach each support leg to base, as shown in **Figure 10**, and finger-tighten with (8) 5/16"-18 x ¾" button head cap screws and (8) 5/16" fender washers.

   Note: *For Models G0860 and G0861, install support leg with FIX SWITCH HERE sticker on left side of base. For Model G0862, install support leg with FIX SWITCH HERE sticker on right side of base.*

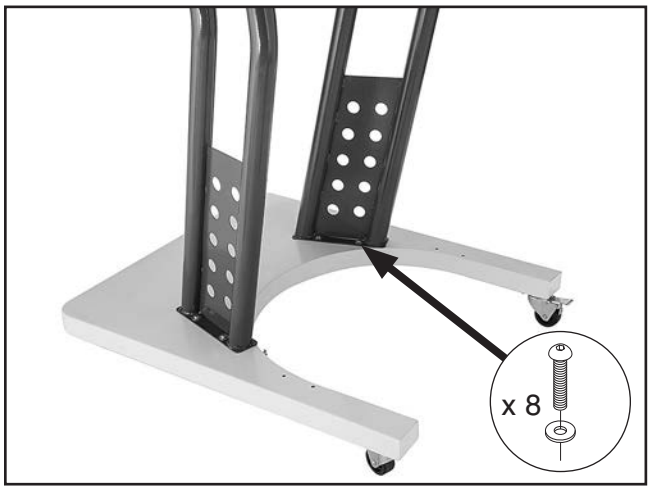


Figure 10. Support legs attached to base.

3. Attach lock handle guide with stop plate to left side of base stand, and finger-tighten with (2) 5/16"-18 x ½" flange bolts (see **Figure 11**).

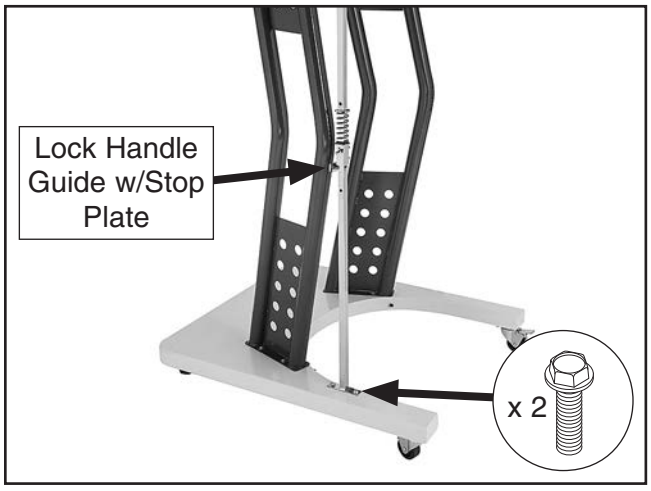


Figure 11. Lock handle guide with stop plate attached to base.

4. Repeat **Step 3** to attach second lock handle guide to right side of base.

⚠CAUTION

Once installed, the impeller housing makes the machine top heavy. Assistants must securely hold the impeller housing in place until Steps 5–7 are completed.

5. With help of two assistants, lift impeller housing onto support legs and lock handle guides (see **Figure 12**).

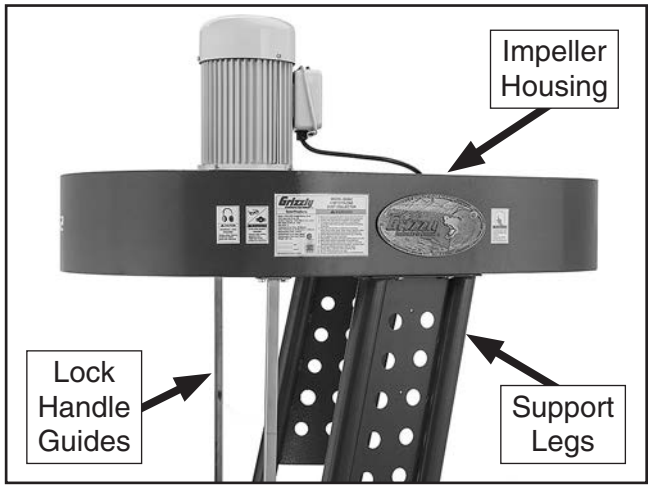


Figure 12. Impeller housing positioned on support legs and lock handle guides.

6. Secure impeller housing to support legs with (8) 5/16"-18 x 3/4" button head cap screws and (8) 5/16" fender washers (see **Figure 13**).

7. Secure impeller housing to lock handle guides with (4) 5/16"-18 x 1/2" flange bolts (see **Figure 13**).

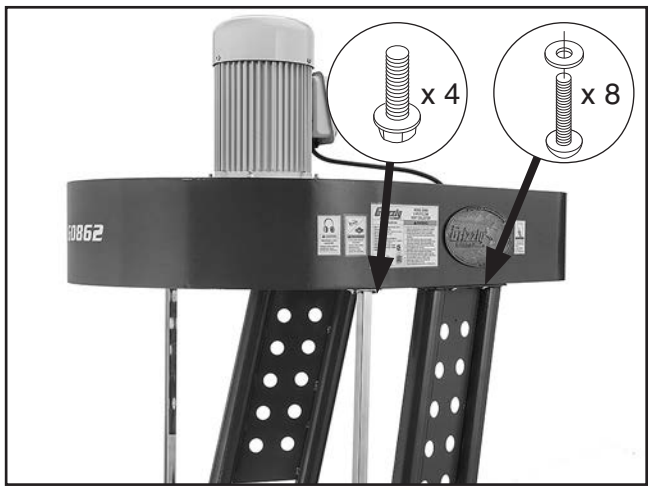


Figure 13. Impeller housing attached to support legs and lock handle guides.

8. Fully tighten all fasteners installed in **Steps 2–4** (see **Figures 10–11**).

9. Have an assistant align intake barrel so dust port points straight out from impeller housing (see **Figure 14**), then attach to impeller housing with (8) 5/16"-18 x 3/4" flange bolts.

Note: *For G0860 and G0861, align dust port on right. For G0862, align dust port on left.*

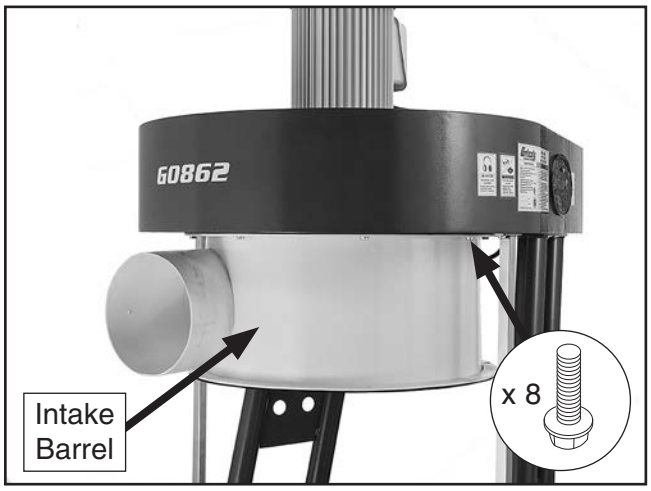


Figure 14. Intake barrel attached to impeller housing.

10. Attach cyclone funnel to intake barrel, as shown in **Figure 15**, using (8) 5/16"-18 x 3/4" flange bolts and (8) 5/16"-18 flange nuts.

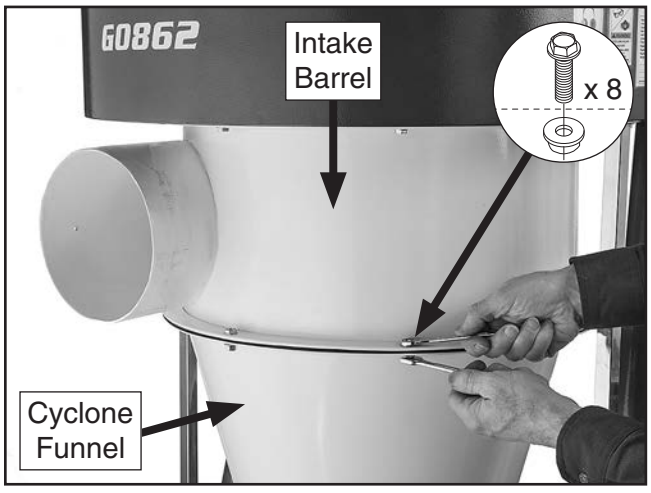


Figure 15. Attaching cyclone funnel to intake barrel.

11. Using fasteners attached to spring bracket, place upper end of drum lock handle over outer stud on spring bracket, then attach lock handle link to lower hole on lock handle (see **Figure 16**).

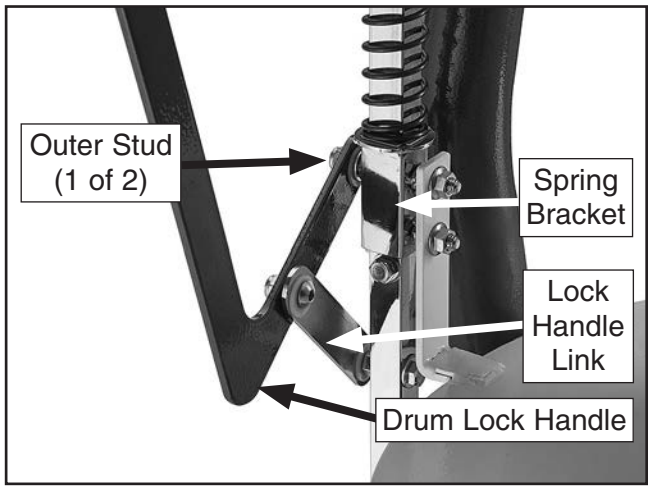


Figure 16. Lock handle attached to spring bracket and lock handle link.

12. Place (2) flexible hose clamps around flexible hose, then slide hose over port on collection drum lid and tighten clamps (see **Figure 17**).

13. With collection drum lid mounting brackets facing up, orient lid so dust port, flexible hose, and spring brackets align (see **Figure 17**).

14. Attach flexible hose to cyclone funnel and secure with (1) hose clamp (see **Figure 17**).

15. Connect ground wire to spring bracket stud, then secure lid and ground wire using (4) 5/16"-18 flange nuts (see **Figure 17**).

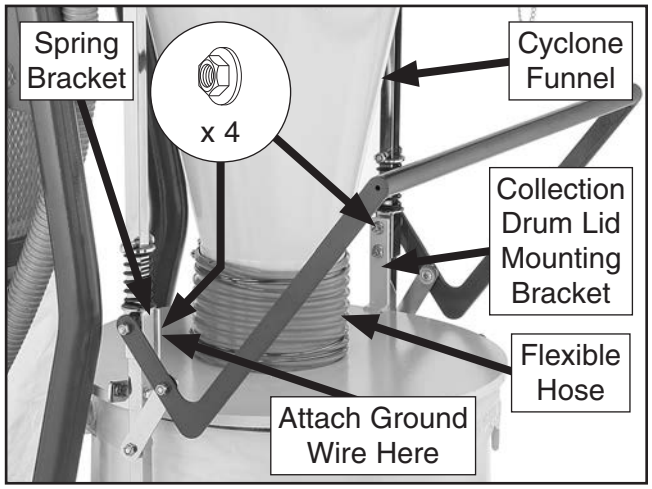


Figure 17. Collection drum lid and related components installed.

16. Attach 2" swivel casters to collection drum, as shown in **Figure 18**, using (1) 5/16"-18 hex nut on each.

17. Adjust pre-installed flange nut and hex nut (see **Figure 18**) until drum rolls evenly without rocking or wobbling, then tighten both nuts to secure caster in place.

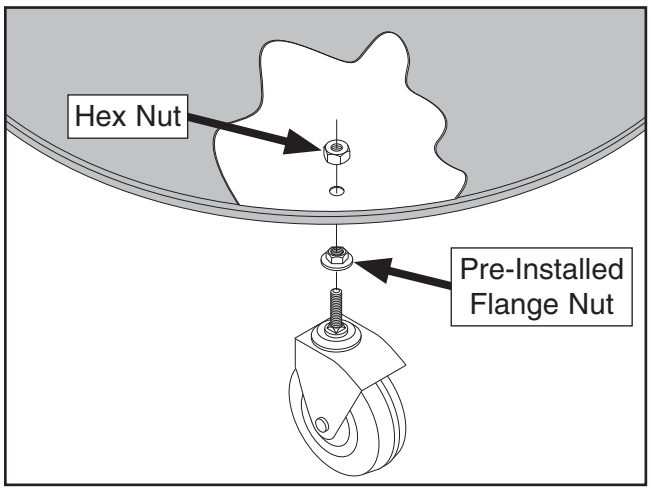


Figure 18. Cut-away illustration of 2" swivel caster attachment to collection drum.

18. Place vacuum ring inside collection drum with smaller side of ring facing down, as shown in **Figure 19**.

Note: *During operation, this ring and the vacuum connection to the cyclone funnel will prevent the collection bag from collapsing or being pulled up into the cyclone.*

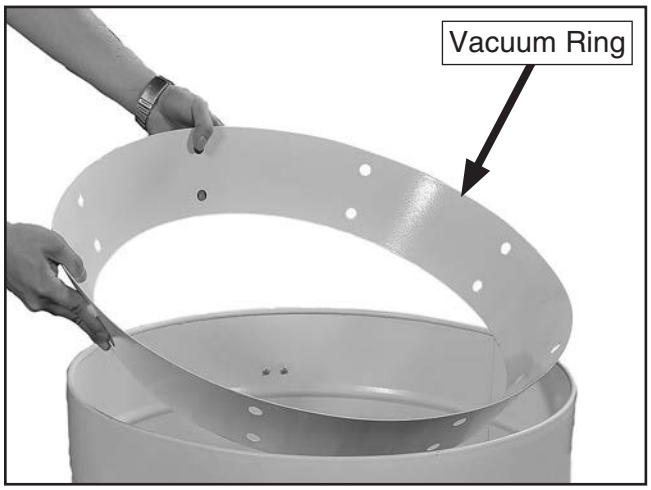


Figure 19. Inserting vacuum ring into collection drum.

19. Attach both drum latches using (4) M4-.7 x 8 Phillips head screws and (4) M4-.7 lock nuts per latch (see **Figure 20**).

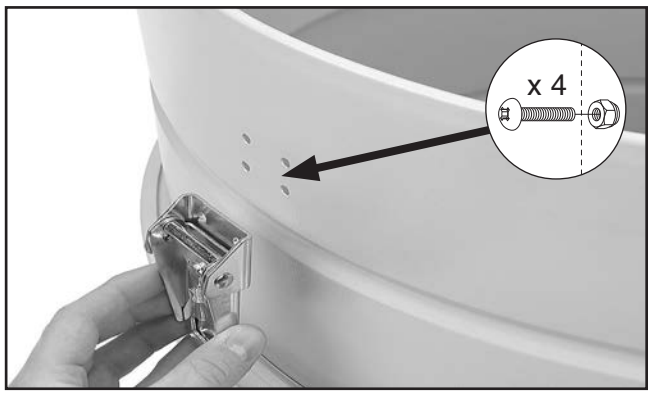


Figure 20. Attaching latch to collector drum.

20. Attach handle to collection drum using (2) ¼"-20 x ⅝" Phillips head screws and (2) ¼"-20 acorn nuts (see **Figure 21**).

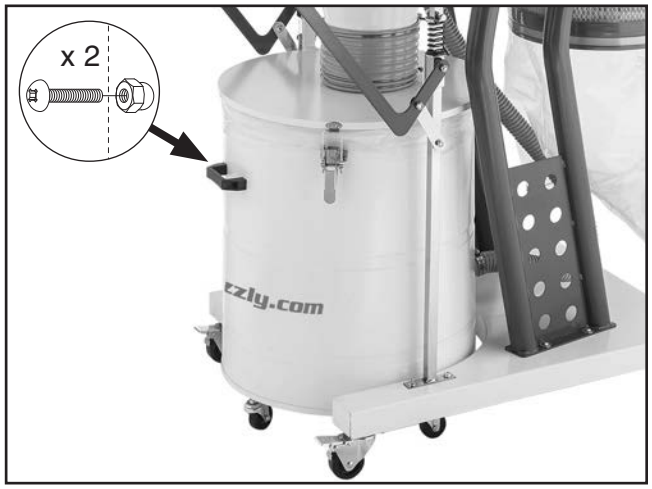


Figure 21. Collection drum handle attached.

21. Insert large plastic dust bag inside collection drum, and fold excess length of bag over top of collection drum.

22. Move collection drum under lid, connect latches to lid hooks, then secure latches.

23. Press drum lock handle down to lift collection drum off floor.

24. Place 1¾" hose clamps on each end of 1½" x 60" vacuum hose, then connect hose to ports on cyclone funnel and collection drum (see **Figure 22**).

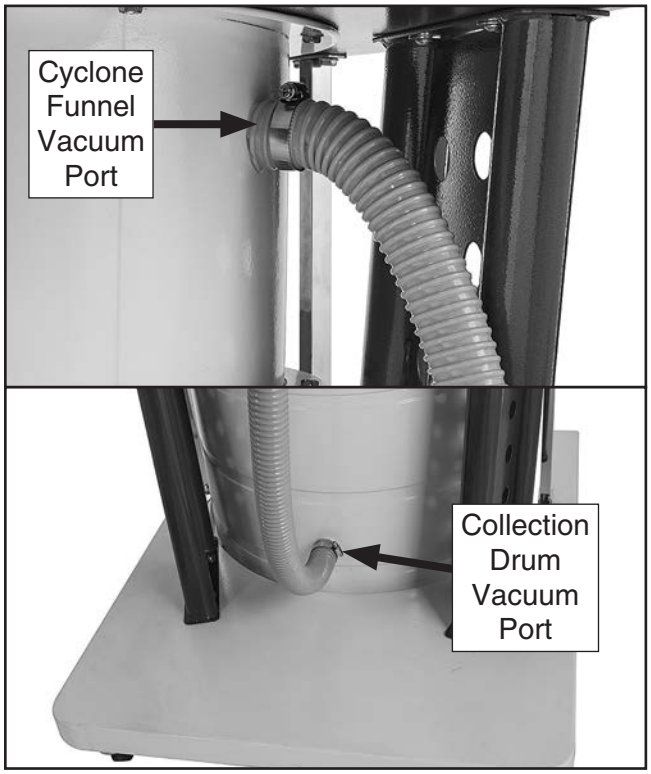


Figure 22. Vacuum hose connections.

25. While assistant holds canister filter under impeller housing, reach into impeller housing and attach canister filter to impeller housing with (6) 5/16"-18 x ¾" flange bolts (see **Figure 23**).

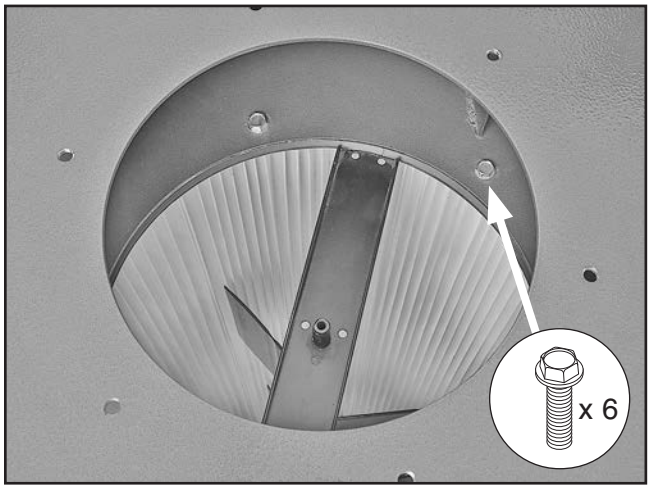


Figure 23. Canister filter attached to impeller housing.

26. Insert filter handle spindle so one of two M6-1 x 16 cap screw tips aligns with flat on side of filter paddle spindle, then tighten both cap screws to secure spindle (see **Figure 24**).

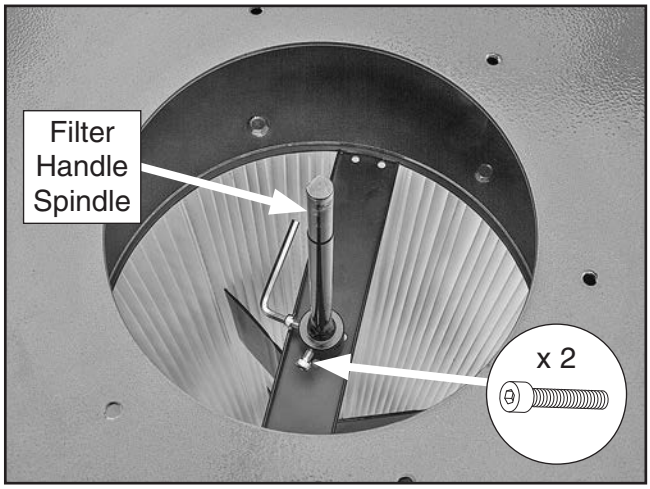


Figure 24. Filter handle spindle attached to canister filter assembly.

27. Slide filter paddle cover over filter handle spindle, then secure with (6) $\frac{5}{16}$"-18 x $\frac{3}{4}$" flange bolts (see **Figure 25**).

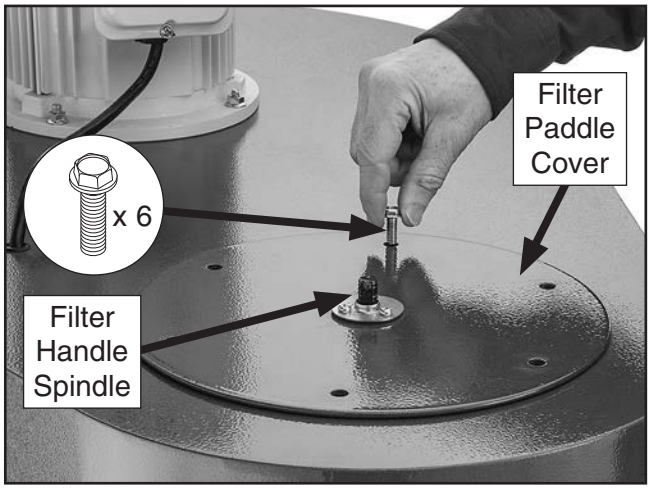


Figure 25. Installing filter paddle cover.

28. Install filter cleaning handle on spindle so that M6-1 x 16 hex bolt tip aligns with spindle flat, then tighten hex bolt (see **Figure 26**).

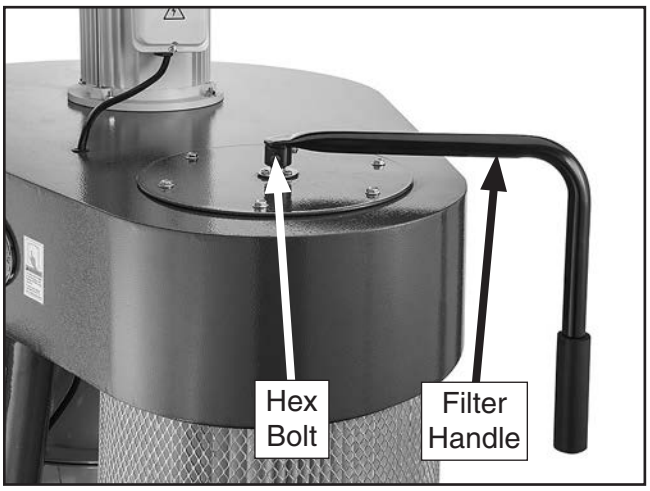


Figure 26. Filter handle installed on spindle.

29. Attach plastic filter bag to canister filter and secure with bag clamp (see **Figure 27**).

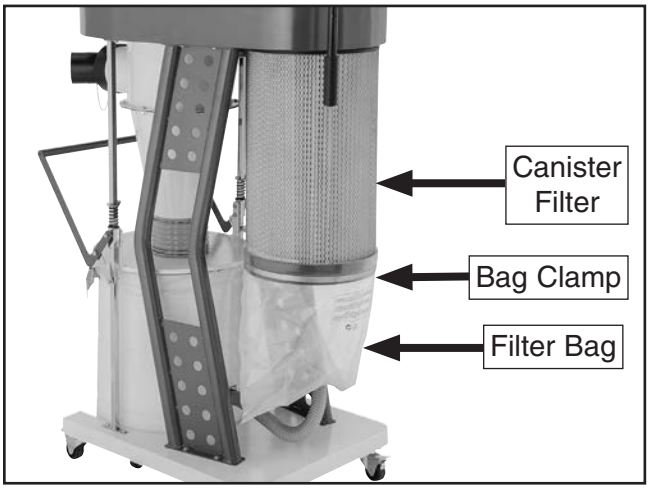


Figure 27. Filter bag attached to canister filter.

30. Loosen (2) Phillips head screws and remove magnetic switch cover (see **Figure 28**).

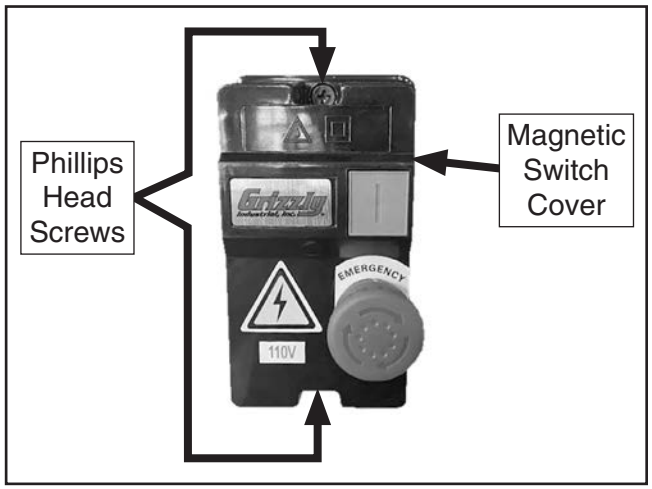


Figure 28. Magnetic switch cover.

31. Install magnetic switch over FIX SWITCH HERE label (left support arm for Models G0860 and G0861, right support arm for Model G0862), then secure with (2) 10-24 x ¾" Phillips head screws and (2) 10-24 hex nuts (see **Figure 29**).

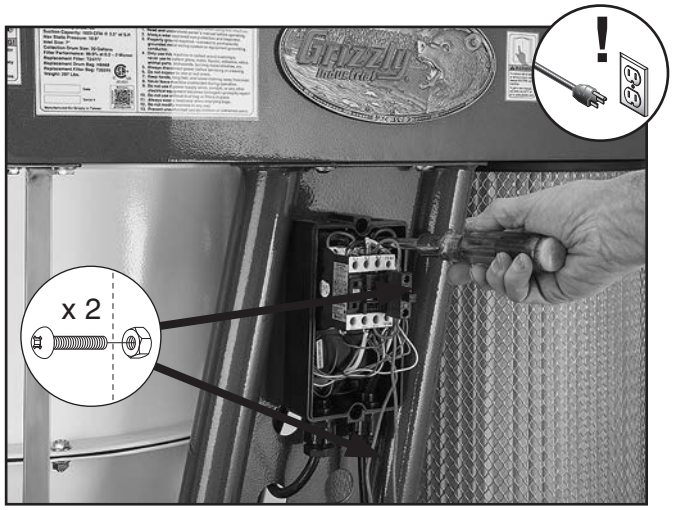


Figure 29. Installing magnetic switch on support arm.

32. Tuck loose wires into magnetic switch cover so they cannot get pinched or crimped when cover is re-attached, and then replace magnetic switch cover and tighten (2) Phillips head screws loosened in **Step 30** to secure.

33. G0860/G0861 Only: Thread motor cord through support arm opening and connect to matching plug from motor under impeller housing (see **Figure 30**).

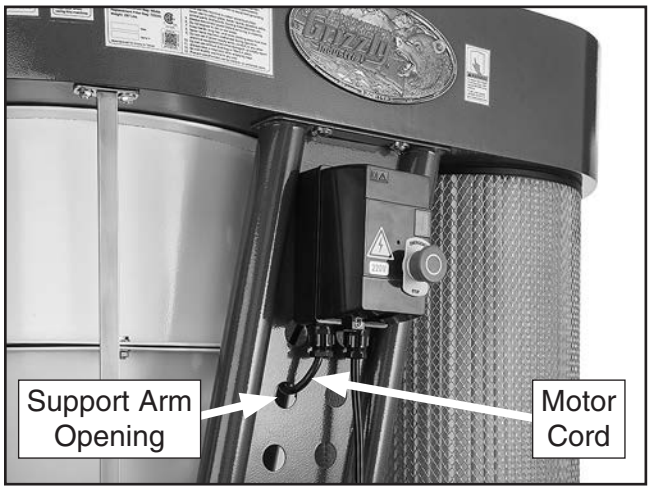


Figure 30. Magnetic switch attached to support arm.

34. Install inlet adapter on dust port and secure with 10-24 x ⅜" flange screw (see **Figure 31**).

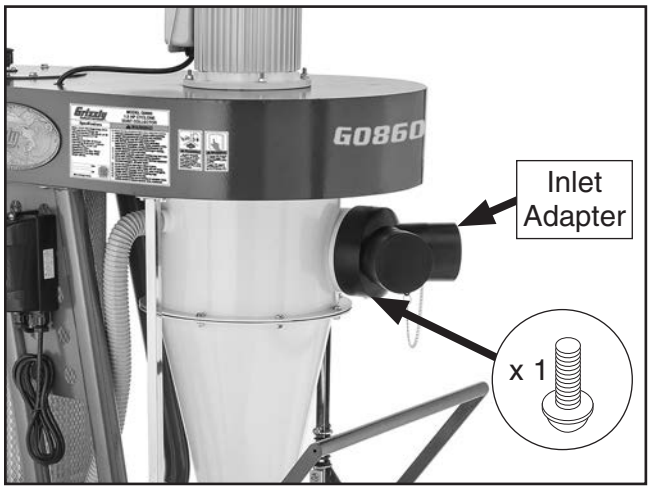


Figure 31. Inlet adapter installed on dust port.

Test Run

Once assembly is complete, test run the machine to ensure it is properly connected to power and safety components are functioning correctly.

If you find an unusual problem during the test run, immediately stop the machine, disconnect it from power, and fix the problem BEFORE operating the machine again. The **Troubleshooting** table in the **SERVICE** section of this manual can help.

The Test Run consists of verifying the following: 1) The motor powers up and runs correctly, 2) the Emergency Stop button disables the switch properly, and 3) the remote control works correctly.

⚠WARNING

Serious injury or death can result from using this machine BEFORE understanding its controls and related safety information. DO NOT operate, or allow others to operate, machine until the information is understood.

⚠WARNING

DO NOT start machine until all preceding setup instructions have been performed. Operating an improperly set up machine may result in malfunction or unexpected results that can lead to serious injury, death, or machine/property damage.

To test run machine:

1. Clear all setup tools away from machine.
2. Lock all swivel casters on base stand.
3. Connect machine to dust-collection system or place covers over inlet adapter ports.

   IMPORTANT: DO NOT operate the dust collector without first connecting it to a dust-collection system or covering an inlet adapter port. Otherwise, the lack of airflow resistance will cause the motor to operate at full amperage load, which could trip your circuit breaker or blow a fuse.
4. Press Emergency Stop button in.
5. Connect machine to power.
6. Twist Emergency Stop button clockwise until it springs out (see **Figure 32**). This resets the switch so the machine can start.

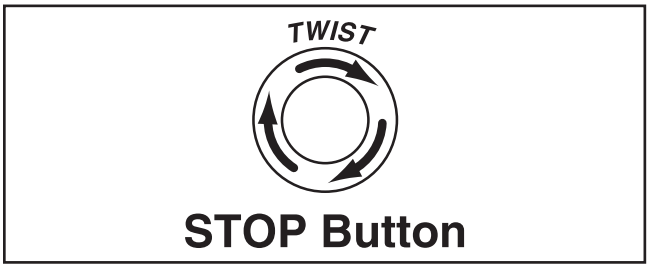


Figure 32. Resetting Emergency Stop button.

7. Standing away from intake port, press green "I" button to turn machine ***ON***. Verify motor starts up and runs smoothly without any problems or unusual noises.
8. Press Emergency Stop button to turn machine ***OFF***.
9. WITHOUT resetting Emergency Stop button, try to start machine by pressing the "I" button. The machine should NOT start.

   — If machine *does not* start, Emergency Stop button is working correctly.

   — If machine *does* start, immediately turn it ***OFF*** and disconnect power. Emergency Stop button is NOT working properly and must be corrected before further using machine.
10. Reset Emergency Stop button.
11. Press green remote button to turn motor ***ON***. The motor should run smoothly with little or no vibration or rubbing noises.
12. Press red remote button to turn motor ***OFF***.

    — If the machine *does not* shut off with the remote control, press the Emergency Stop button to turn machine ***OFF.*** Refer to Troubleshooting on **Page 41** to correct any problems with the remote control unit before further using it again with the machine.

SECTION 4: DESIGNING A SYSTEM

General

⚠CAUTION

Always make sure there are no open flames or pilot lights in the same room as the dust collector. There is a risk of explosion if too much fine dust is dispersed into the air with an open flame present.



⚠CAUTION

Always guard against static electrical build up by grounding all dust collection lines.

The Model G0860/G0861/G0862 works quite well as a point-of-use dust collector, or for collecting dust from up to two machines (Model G0860) or up to three machines (Models G0861 and G0862) simultaneously. The locking swivel casters make it easy to move around the shop near the machine being used.

Tips for Optimum Performance

- Avoid using more than 10' of flexible hose on any ducting line. The ridges inside flexible hose greatly increase static pressure loss, which reduces suction performance.
- Keep ducts between the dust collector and machines as short as possible.
- Keep ducting directional changes to a minimum. The more curved fittings you use, the greater the loss of suction at the dust-producing machine.
- Gradual directional changes are more efficient than sudden directional changes (i.e. use 45° elbows in place of 90° elbows whenever possible).
- The simpler the system, the more efficient and less costly it will be.

Duct Material

You have many choices regarding main line and branch line duct material. For best results, use smooth metal duct for the main line and branch lines, then use short lengths of flexible hose to connect each machine to the branch lines.

Plastic duct is also a popular material for home shops. However, be aware that there is a fire or explosion hazard if plastic duct material is not properly grounded to prevent static electrical buildup (refer to **System Grounding** at the end of this section). Another problem with using plastic duct is that it is less efficient per foot than metal.



⚠CAUTION

Plastic duct generates static electrical buildup that can cause fire or shock. Properly ground it to reduce this risk.

Plastic Duct

The popularity of plastic duct is due to the fact that it is an economical and readily available product. It is also simple to assemble and easily sealed against air loss. The primary disadvantage of plastic duct for dust collection is the inherent danger of static electrical buildup.



Figure 33. Examples of plastic ducting components.

Metal Duct

Advantages of smooth metal duct is its conductivity, efficiency, and that it does not contribute to static electrical charge build-up. However, static charges are still produced when dust particles strike other dust particles as they move through the duct. Since metal duct is a conductor, it can be grounded quite easily to dissipate any static electrical charges.

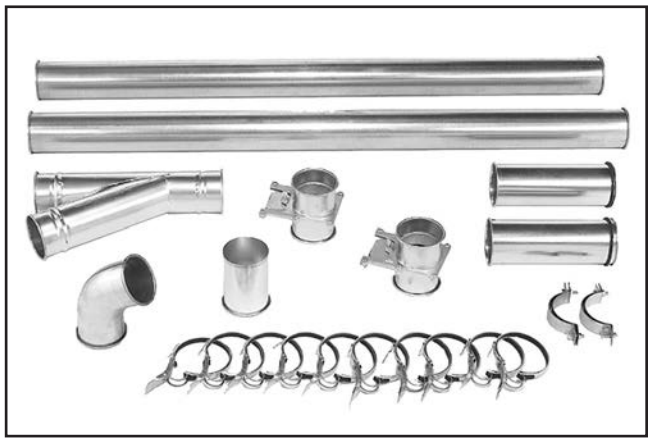


Figure 34. Examples of smooth metal duct and components.

There are a number of options when it comes to metal duct, but metal duct that is specially manufactured for dust collection is the best choice. When selecting your metal duct, choose high quality metal duct with smooth welded internal seams that will minimize airflow resistance. This type of duct usually connects to other ducts or elbows with a simple, self-sealing clamp, is very quick and easy to assemble, and can be readily dismantled and re-installed in a different configuration. This is especially important if you ever need to change things around in your shop or add more tools.

Avoid inferior metal duct that requires you to cut it to length and snap it together. This type of duct is time consuming to install because it requires you to seal all the seams with silicone and screw the components on the ends with sheet metal screws. Another disadvantage is the rough internal seams and crimped ends that unavoidably increase static pressure loss.

Flexible Duct

Flexible hose is generally used for short runs, small shops and at rigid duct-to-tool connections. There are many different types of flex hose on the market today. These are manufactured from materials such as polyethylene, PVC, cloth hose dipped in rubber and even metal, including steel and aluminum.

The superior choice here is metal flex hose that is designed to be flexible, yet be as smooth as possible inside to reduce static pressure loss.

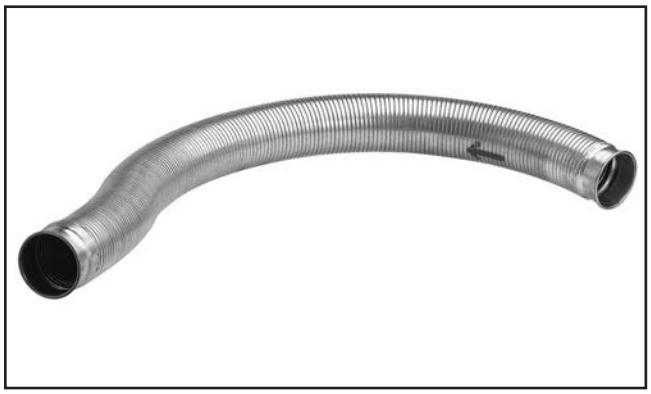


Figure 35. Example of flexible metal duct.

There are also many kinds of pure plastic flexible hose, such as non-perforated drainage type hose and dryer vent hose. Drainage type hose, while being economical, does not quite have the flexibility required for dust collection. The inside of the duct is also deeply corrugated and can increase the static pressure loss by as much as 50% over smooth wall duct. Dryer vent hose, while being completely flexible, is non-resistant to abrasion and has a tendency to collapse in a negative pressure system. We DO NOT recommend using dryer vent hose in your dust collection system.

If using flex-hose, you should choose one of the many types that are designed specifically for the movement of solid particles, i.e. dust, grains, and plastics. However, the cost of specifically designed flexible duct can vary greatly. Grizzly offers polyethylene hose, which is well suited for the removal of particulate matter, especially sawdust, since it is durable and completely flexible. Polyethylene is also very economical and available in a wide variety of diameters and lengths for most applications.

System Design

Decide Who Will Design

For most small-to-medium sized shops, you can design and build the dust collection system yourself without hiring engineers or consultants. We have included some basic information here to get you started on a basic design.

If you have a large shop or plan to design a complicated system, we recommend doing additional research beyond this manual or seeking the help of an expert.

Sketch Your Shop Layout

When designing a successful dust collection system, planning is the most important step. In this step, sketch a basic layout of your shop, including space requirements of different machines.

Before you get out your pencil and paper, we recommend you visit our FREE *Workshop Planner,* at **http://www.grizzly.com/workshopplanner**.

Our *Workshop Planner* will allow you to quickly and easily design and print a basic shop layout. Don't worry, non-Grizzly brand machines can be substituted with Grizzly machines for layout purposes. **Note:** *After you're finished, make sure to save your layout for later modification.*

Your sketch only needs the basic details of the shop layout, similar to the figure below, including all your current/planned machines and your planned placement of the dust collector.

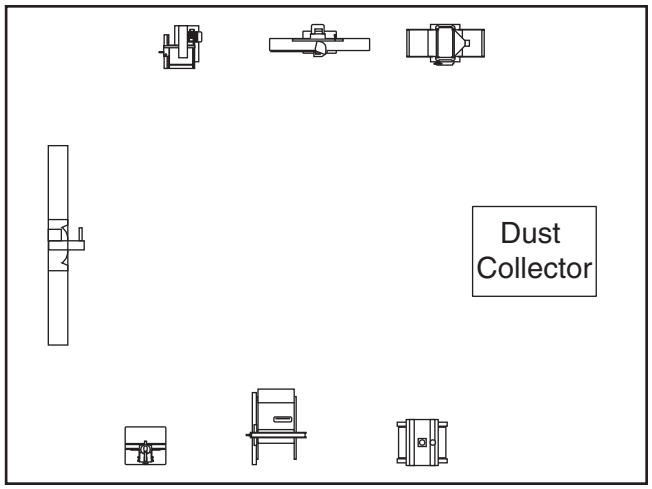


Figure 36. Basic sketch of shop layout.

Sketch a Basic Duct Layout

For the next step, sketch how you will connect your machines to the dust collector. Consider these general guidelines for an efficient system:

1. Machines that produce the most saw dust should be placed nearest to the dust collector (i.e. planers and sanders).

2. Ideally, you should design the duct system to have the shortest possible main line and secondary branch ducts. See the figures below for ideas of efficient versus inefficient duct layouts.

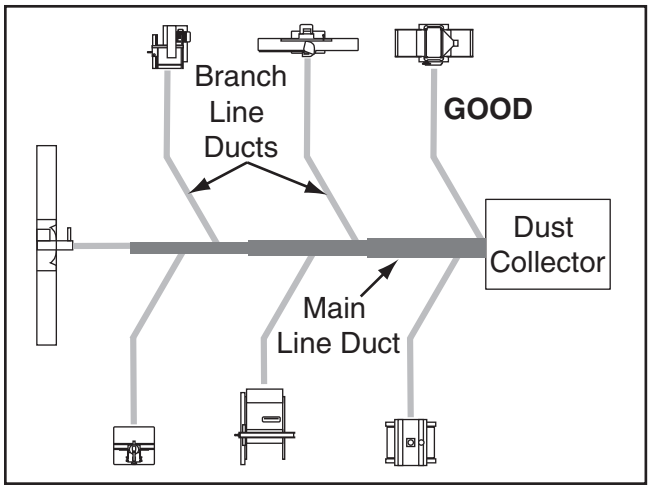


Figure 37. Efficient duct layout.

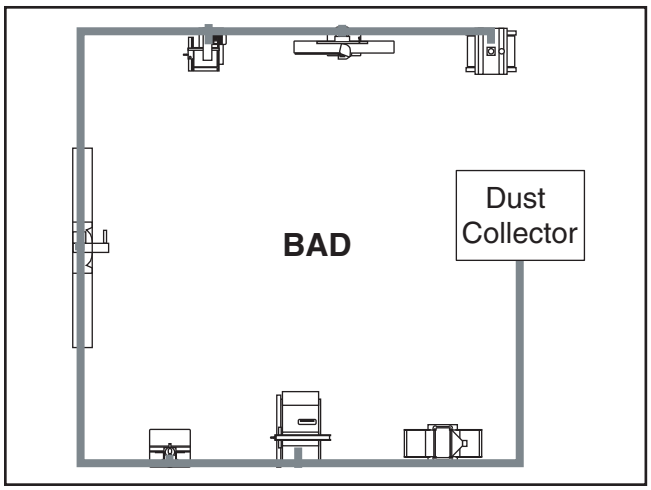


Figure 38. Inefficient duct layout.

3. Directional changes should be kept to a minimum. The more directional change fittings you use directly increases the overall resistance to airflow.

4. Gradual directional changes are more efficient than sudden directional changes (i.e. use the largest corner radius possible when changing hose or pipe direction).

5. Each individual branch line should have a blast gate immediately after the branch to control suction from one machine to another.

6. The simpler the system, the more efficient and less costly it will be.

Determine Required CFMs

Since each machine produces a different amount of sawdust, the requirements for the minimum amount of CFM to move that sawdust is unique to the machine (for example, a planer produces more sawdust than a table saw). Knowing this required CFM is important to gauging which size of duct to use.

Refer to the figure below for a close estimation of the airflow each machine requires. Keep in mind that machines that generate the most sawdust should be placed closest to the dust collector. If the machine has multiple dust ports, the total CFM required is the sum of all ports.

Machine Dust Port Size	Approximate Required CFM
2"	100
2.5"	150
3"	250
4"	400
5"	600
6"	850
7"	1200
8"	1600
9"	2000
10"	2500

Figure 39. Approximate required air flow for machines, based on dust port size.

If the machine does not have a built-in dust port, use the following table to determine which size of dust port to install.

Machine	Average Dust Port Size
Table Saw	4"
Miter/Radial-Arm Saw	2"
Jointer (6" and smaller)	4"
Jointer (8"-12")	5"
Thickness Planer (13" and smaller)	4"
Thickness Planer (14"-20")	6"
Shaper	4"
Router (mounted to table)	2"
Bandsaw	4"
Lathe	4"
Disc Sander (12" and smaller)	2"
Disc Sander (13-18")	4"
Belt Sander (6" and smaller)	2"
Belt Sander (7"-9")	3"
Edge Sander (6" x 80" and smaller)	4"
Edge Sander (6" x 80" and larger)	5"
Drum Sander (24" and smaller)	2 x 4"
Drum Sander (24" and larger)	4 x 4"
Widebelt Sander (18" and smaller)	5"
Widebelt Sander (24"-37" single head)	2 x 6"
Widebelt Sander (24"-51" double head)	5 x 4"

Figure 40. Dust port size and quantity per average machine.

Write the required CFM for each machine on your sketch, as shown in the figure below.

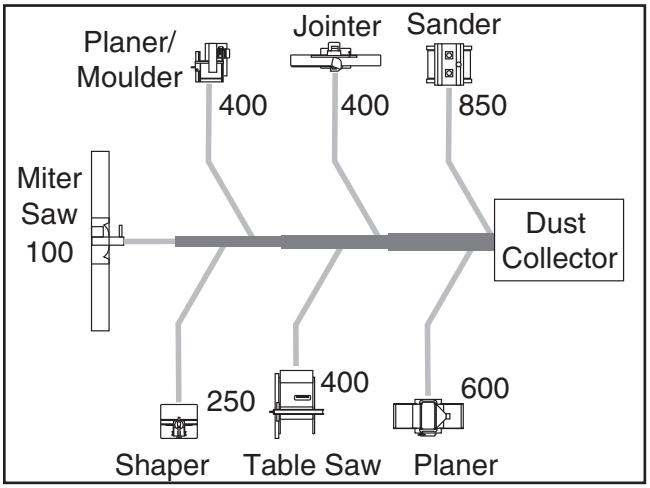


Figure 41. CFM requirements labeled for each machine.

Determining Main Line Duct Size

The general rule of thumb for a main line duct is that the velocity of the airflow must not fall below 3500 FPM.

For small/medium sized shops, using the inlet size of the dust collector as the main line duct size will usually keep the air velocity above 3500 FPM and, depending on your system, will allow you to keep multiple branches open at one time.

Mark your drawing, as shown in the figure below, but using the inlet size for your dust collector as the main line.

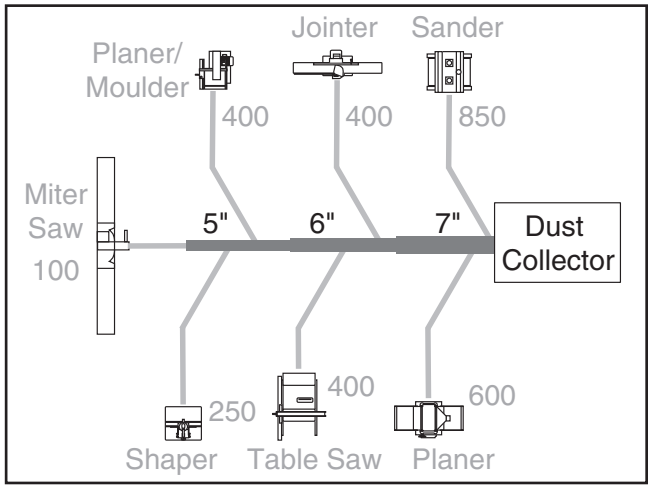


Figure 42. Main line size labeled on sketch.

Determining Branch Line Duct Size

The general rule of thumb for a branch line duct is that the velocity of the airflow must not fall below 4000 FPM.

For small/medium sized shops, using the dust port size from the machine as the branch line duct size will achieve the correct velocity in most applications. However, if the dust port on the machine is smaller than 4", make the branch line 4" and neck the line down right before the dust port.

Note: *Systems with powerful dust collectors work better if multiple blast gates are left open. This also allows you to run two machines at once. Experiment with different combinations of blast gates open/closed to find the best results for your system.*

Write your determined branch line sizes on your drawing, as shown in the following figure.

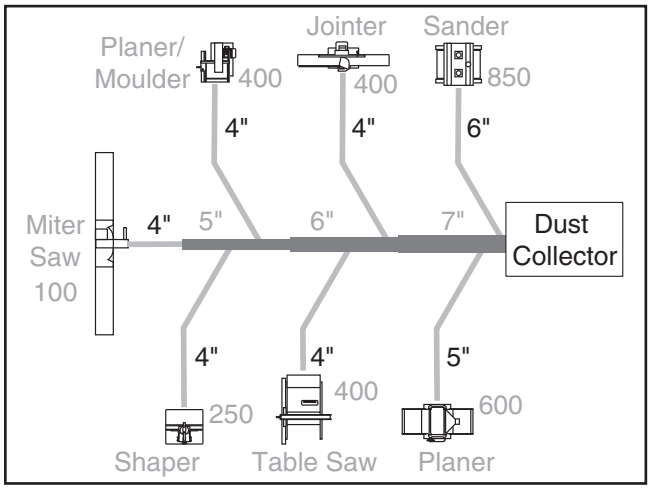


Figure 43. Branch line duct sizes labeled.

If two machines will connect to the same branch line and both will operate at the same time, then add the required CFM for each machine together and find the closest total CFM in the table below to determine the correct branch size.

If both machines will never run at the same time, reference the machine with the biggest dust port in the table below and add blast gates after the Y-branch to open/close the line to each machine.

Total CFM	Branch Line Size
400	4"
500	4"
600	5"
700	5"
800	6"
900	6"
1000	6"

Figure 44. Sizing chart for multiple machines on the same branch line.

Planning Drop Downs

Plan the drop downs for each machine, using blast gates wherever possible to control airflow.

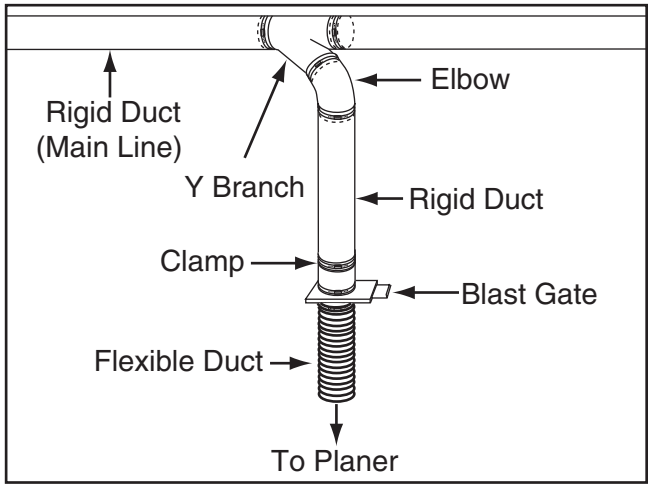


Figure 45. Drop-down setup.

Calculating Duct Resistance

Adding duct work, elbows, branches and any other components to a duct line increases airflow resistance (static pressure loss). This resistance can be minimized by using rigid (smooth) duct and gradual curves, as opposed to flexible duct and 90˚ elbows.

To help you think about this resistance, imagine riding a bicycle in a tunnel that is an exact replica of your duct work. If the inside of the tunnel is very bumpy (flexible duct) and has a lot of sharp turns (90˚ elbows), it will take a lot more effort to travel from one end to the other.

The purpose of calculating the resistance is to determine if it is low enough from the machine to the dust collector to meet the given CFM requirement for the machine. Use the following tables to calculate the resistance of duct work.

Duct Dia.	Approximate Static Pressure Loss Per Foot of Rigid Duct		Approximate Static Pressure Loss Per Foot of Flexible Duct	
	Main Lines at 3500 FPM	Branch Lines at 4000 FPM	Main Lines at 3500 FPM	Branch Lines at 4000 FPM
2"	0.091	0.122	0.35	0.453
2.5"	0.08	0.107	0.306	0.397
3"	0.071	0.094	0.271	0.352
4"	0.057	0.075	0.215	0.28
5"	0.046	0.059	0.172	0.225
6"	0.037	0.047	0.136	0.18
7"	0.029	0.036	0.106	0.141
8"	0.023	0.027	0.08	0.108
9"	0.017	0.019	0.057	0.079

Fitting Dia.	90˚ Elbow	45˚ Elbow	45˚ Wye(Y)	90˚ Wye(Y)
3"	0.47	0.235	0.282	0.188
4"	0.45	0.225	0.375	0.225
5"	0.531	0.266	0.354	0.236
6"	0.564	0.282	0.329	0.235
7"	0.468	0.234	0.324	0.216
8"	0.405	0.203	0.297	0.189

Figure 46. Static pressure loss charts.

In most small/medium shops it is only necessary to calculate the line with the longest duct length or the most fittings (operating under the assumption that if the line with the highest resistance works, the others will be fine).

To calculate the static pressure of any given line in the system, follow these steps:

1. Make a list of each size duct in the line, including the length, and multiply those numbers by the static pressure value given in the previous table.

2. List each type of elbow or branch and multiply the quantity (if more than one) by the static pressure loss given in the previous table.

3. Add the additional factors from the following table to your list.

Additional Factors	Static Pressure
Seasoned (well used) Dust Collection Filter	1"
Entry Loss at Large Machine Hood	2"

Figure 47. Additional factors affecting static pressure.

4. Total your list as shown in the example below to come up with your overall static pressure loss number for that line.

Note: *Always account for a seasoned filter, so you don't end up with a system that only works right when the filter is clean.*

Main Line		
6" Rigid Duct (0.037) at 20'	.....	0.740
Branch Line		
4" Rigid Duct (0.075) at 10'	.....	0.750
4" Flexible Duct (0.28) at 5'	.....	1.400
Elbows/Branches		
6" 45˚ Y-Branch	.....	0.329
4" 45˚ Elbow	.....	0.225
Additional Factors		
Seasoned Filter	.....	1.000
Total Static Pressure Loss	.....	**4.444**

Figure 48. Totaling static pressure numbers.

Note: *When calculating static pressure loss to determine if multiple lines can be left open at the same time, only include the main line numbers once.*

5. Compare the total static pressure loss for that line to the closest CFM given in **Figure 49** for your dust collector.

Example: A typical **Data Sheet Performance Curve** is illustrated in **Figure 49**. Find 4.4 on the Static Pressure axis (the amount of total static pressure loss calculated in **Figures 48–49**), then refer to the closest value on the CFM axis—approximately 1120 CFM.

The 1120 CFM for the static pressure loss of the line connected to the router is well above the 220 CFM requirement of that machine.

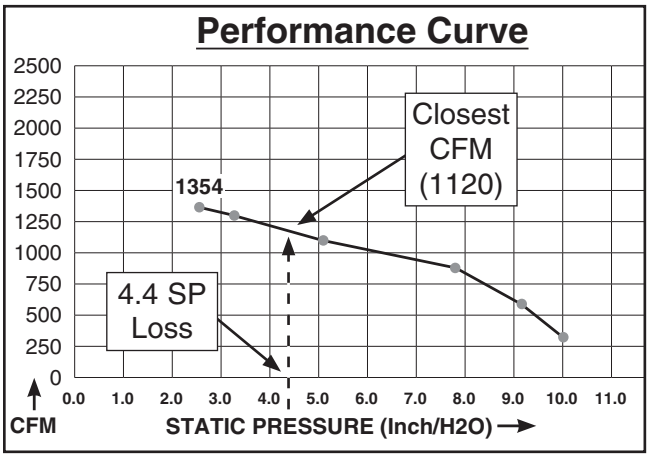
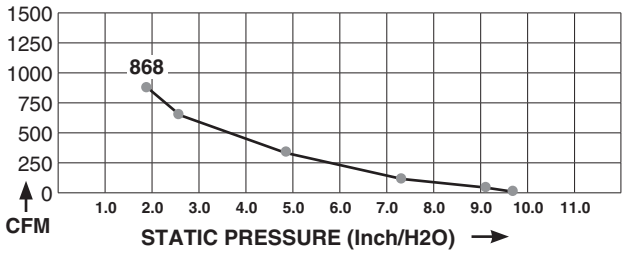


Figure 49. CFM for static pressure loss of line connected to a dust collector & router.

— If the CFM for your static pressure loss is above the requirement of the machine connected to the end of that branch line, then dust collection will most likely be successful. Congratulations! You've just designed your own dust system. Refer to the **Accessories** section on **Page 36** to start buying the components necessary to make your system a reality.

— If the CFM for your static pressure loss is below the requirement of the machine, then that line will not effectively collect the dust. You must then modify some of the factors in that line to reduce the static pressure loss. Some of the ways to do this include 1) installing larger duct, 2) reducing amount of flexible duct used, 3) increasing machine dust port size, 4) moving machine closer to dust collector to eliminate duct length, and 5) reducing 90˚ elbows or replacing them with 45˚ elbows.

G0860 Performance Curve



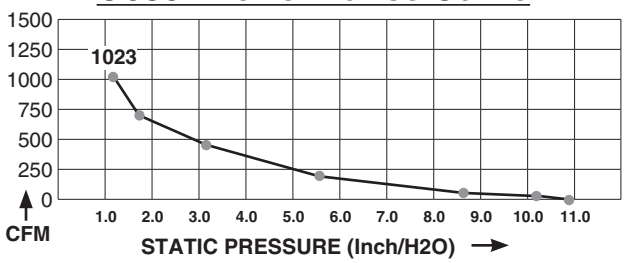
1.5 HP DUST COLLECTOR PERFORMANCE RESULTS					
Max CFM	**Max SP**	**HP**	**Volts**	**Inlet**	**Impeller**
868	9.7	1½ HP	110V	6"	12¾"

Restrictor Plate Dia.	6"	5"	4"	3"	2"
Static Pressure (Inch/H2O)	1.8	2.5	4.8	7.3	9.1
CFM	868	575	300	100	35

The air flow test probe is located 1.5x duct diameter upstream from the air inlet. Test pipe length is a minimum of 10x duct diameter.

Figure 50. G0860 performance curve table and data.

G0861 Performance Curve



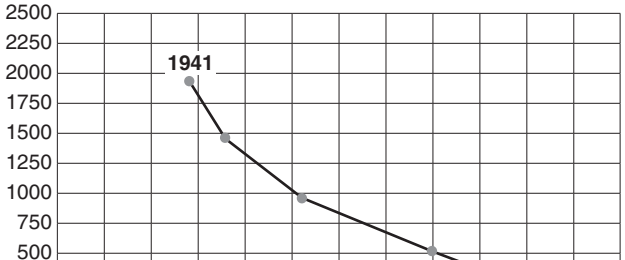
2 HP DUST COLLECTOR PERFORMANCE RESULTS					
Max CFM	**Max SP**	**HP**	**Volts**	**Inlet**	**Impeller**
1023	10.9	2 HP	220V	7"	13"

Restrictor Plate Dia.	7"	6"	5"	4"	3"	2"
Static Pressure (Inch/H2O)	1.2	1.8	3.1	5.6	8.7	10.2
CFM	1023	710	430	225	100	35

The air flow test probe is located 1.5x duct diameter upstream from the air inlet. Test pipe length is a minimum of 10x duct diameter.

Figure 51. G0861 performance curve table and data.

G0862 Performance Curve



3 HP DUST COLLECTOR PERFORMANCE RESULTS					
Max CFM	**Max SP**	**HP**	**Volts**	**Inlet**	**Impeller**
1941	11	3 HP	220V	8"	15"

Restrictor Plate Dia.	8"	7"	6"	5"	4"	3"	2"
Static Pressure (Inch/H2O)	2.9	3.6	5.2	7.9	10.2	10.6	10.7
CFM	1941	1400	900	505	225	100	35

The air flow test probe is located 1.5x duct diameter upstream from the air inlet. Test pipe length is a minimum of 10x duct diameter.

Figure 52. G0862 performance curve table and data.

Example Materials List

After the system is designed, create a materials list of all the items you will need to build your dust collection system. This will make it easy when it comes time to purchase the materials.

Below is an example of some items that might be needed. Refer to **Accessories** for dust collection components available through *grizzly.com*.

Description	Model	Quantity
6" Rigid Duct at 20'	G7364	4
4" Rigid Duct at 10'	G6162	2
4" Flex Hose at 5'	H7215	6
6" 45° Y-Branch	G7353	6
4" 45° Elbow	G6167	6

Figure 53. Example materials list.

System Grounding

Since plastic hose is abundant, relatively inexpensive, easily assembled and air tight, it is a very popular material for conveying dust from woodworking machines to the dust collector.

We recommend only using short lengths of flexible hose (flex-hose) to connect the woodworking machine to the dust collector. However, plastic flex-hose and plastic duct are an insulator, and dust particles moving against the walls of the plastic duct create a static electrical buildup. This charge will build until it discharges to a ground.

If a grounding medium is not available to prevent static electrical buildup, the electrical charge will arc to the nearest grounded source. This electrical discharge may cause an explosion and subsequent fire inside the system.

To protect against static electrical buildup inside a non-conducting duct, a bare copper wire should be placed inside the duct along its length and grounded to the dust collector. You must also confirm that the dust collector is continuously grounded through the electrical circuit to the electric service panel.

If you connect the dust collector to more than one machine by way of a non-conducting branching duct system and blast gates, the system must still be grounded as mentioned above. We recommend inserting a continuous bare copper ground wire inside the entire duct system and attaching the wire to each grounded woodworking machine and dust collector.



⚠CAUTION

Always guard against static electrical build up by grounding all dust collection lines.

Be sure that you extend the bare copper wire down all branches of the system. Do not forget to connect the wires to each other with wire nuts when two branches meet at a “Y” or “T” connection.

Ensure that the entire system is grounded. If using plastic blast gates to direct air flow, the grounding wire must be jumped (see the figure below) around the blast gate without interruption to the grounding system.

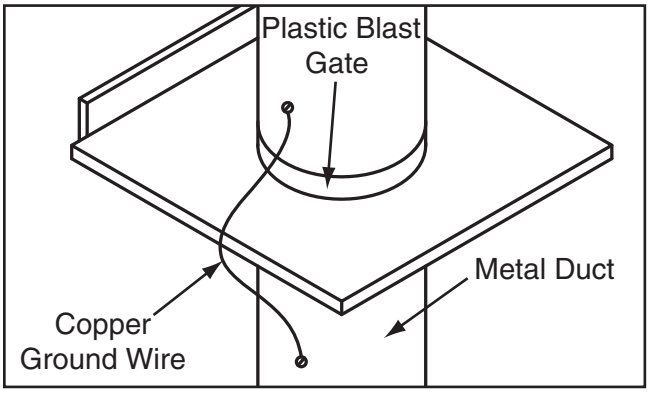


Figure 54. Ground jumper wire when using plastic blast gates and metal duct.

We also recommend wrapping the outside of all plastic ducts with bare copper wire to ground the outside of the system against static electrical buildup. Wire connections at Y’s and T’s should be made with wire nuts.

Attach the bare ground wire to each stationary woodworking machine and attach to the dust collector frame with a ground screw as shown in the figure below. Ensure that each machine is continuously grounded to the grounding terminal in your electric service panel.

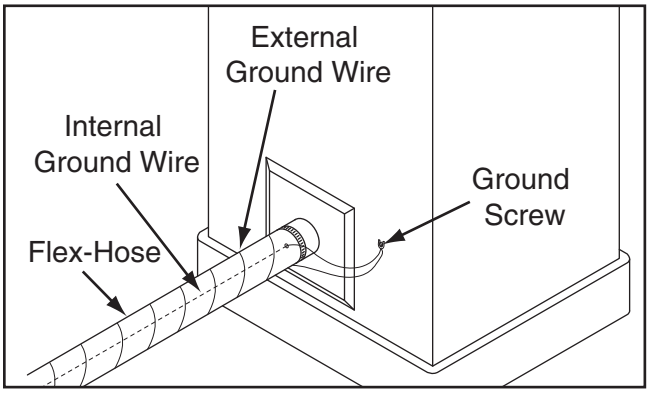


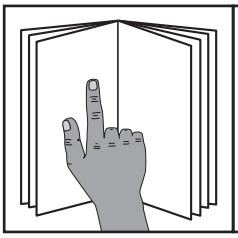
Figure 55. Flex-hose grounded to machine.

SECTION 5: OPERATIONS

Operation Overview

The purpose of this overview is to provide the novice machine operator with a basic understanding of how the machine is used during operation, so the machine controls/components discussed later in this manual are easier to understand.

Due to the generic nature of this overview, it is **not** intended to be an instructional guide. To learn more about specific operations, read this entire manual, seek additional training from experienced machine operators, and do additional research outside of this manual by reading "how-to" books, trade magazines, or websites.



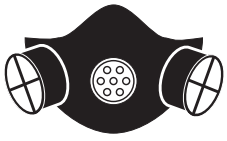
⚠WARNING

To reduce your risk of serious injury, read this entire manual BEFORE using machine.

⚠WARNING

To reduce risk of eye injury from flying chips or lung damage from breathing dust, always wear safety glasses and a respirator when operating this machine.





General Operation

This cyclone dust collector creates a vortex of incoming air that extracts heavy wood chips and large dust particles, and then drops them into the steel drum below, which is lined with a plastic bag.

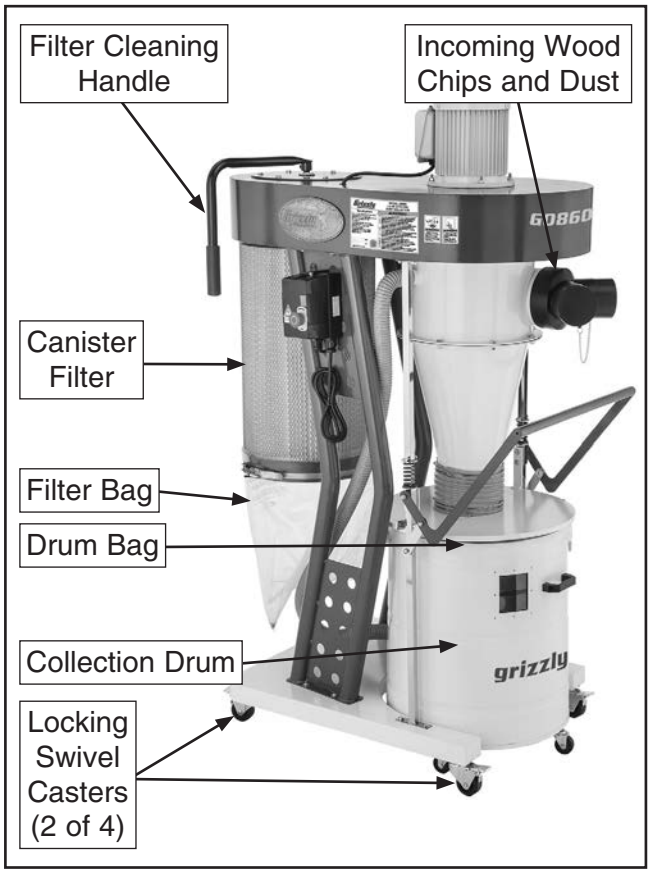


Figure 56. Dust collector operation.

The remaining fine dust travels past the impeller and is then caught by a canister filter and deposited in the plastic collection bag below. The spunbond polyester filters catch 99.9 percent of particles to 1 micron in size, and are pleated to provide maximum surface area for efficient air flow.

To maintain CFM during heavy dust-collection operations, turn the filter cleaning handle back and forth to knock caked-on dust into the plastic collection bag.

Always lock all four swivel casters before operation.

Programming Receiver

The Models G0860-62 are equipped with a remote control receiver that can be programmed to operate up to 5 separate controllers (see **Figure 57**).

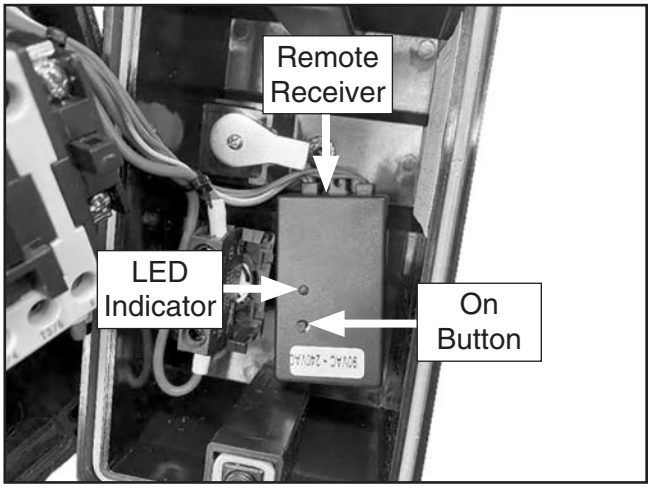


Figure 57. Location of remote receiver (G0860 shown).

WARNING

Avoid touching electrified parts inside receiver while performing procedure below! Touching electrified parts will result in serious personal injury, such as severe burns, electrocution, or death. Use a wood dowel or other non-conducting item to push button on receiver.

To program receiver:

1. Remove switch cover to get a clear view of remote receiver (see **Figure 57**).

2. To erase any current remote transmitter codes, press black ON button on receiver and hold down until LED indicator on receiver begins to flash (see **Figure 57**).

3. Press either ON or OFF button on remote (see **Figure 58**). When LED indicator stops flashing, remote control is programmed.

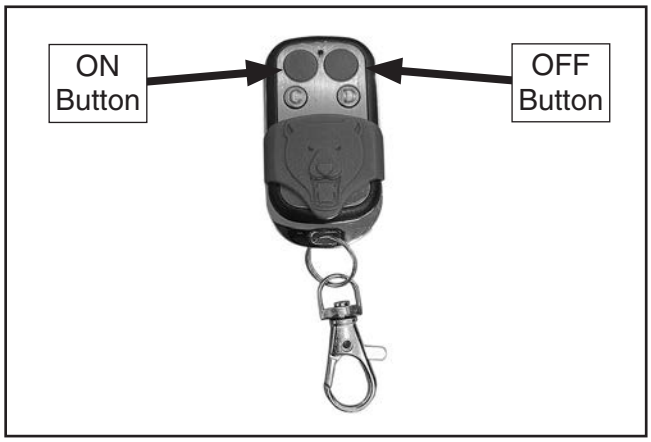


Figure 58. ON and OFF buttons.

Note: *To pair more than one remote to receiver, press ON or OFF button of remaining remote(s) before proceeding to* ***Step 4****.*

4. Install switch cover removed in **Step 1**.

SECTION 6: ACCESSORIES

⚠WARNING

Installing unapproved accessories may cause machine to malfunction, resulting in serious personal injury or machine damage. To reduce this risk, only install accessories recommended for this machine by Grizzly.

NOTICE

Refer to our website or latest catalog for additional recommended accessories.

W1050—Dust Collection Basics Book
This incisive book skillfully guides the woodworker through all the steps necessary in the design and construction of an efficient central dust-collection system and tells you what you need to know for easy installation. 64 pages.

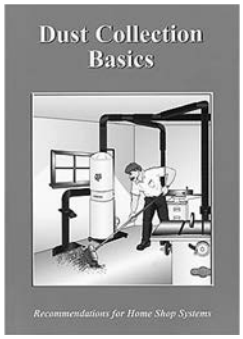


Figure 59. W1050 Dust Collection Basics Book.

H7217—6" x 5' Rigid Flex Hose
H7218—7" x 5' Rigid Flex Hose
H7219—8" x 5' Rigid Flex Hose
These rigid flex hoses with rolled collars provide just enough flexibility to make difficult connections while still keeping the inside wall smooth.



Figure 60. Rigid flex hose.

W1036—6" x 10' Dust Hose
H7463—7" x 10' Dust Hose
H7465—8" x 10' Dust Hose
Spiral-wire-reinforced clear hose allows easy inspection for locating potential clogs in your duct system. Uses RH fittings. Available in additional diameters and lengths.

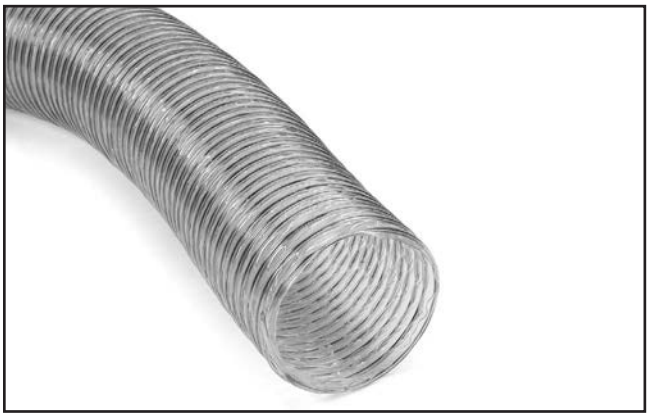


Figure 61. Flexible clear dust hose.

G6177—4" Metal Blast Gate
G7340—5" Metal Blast Gate
G7358—6" Metal Blast Gate
H5234—7" Metal Blast Gate
H5249—8" Metal Blast Gate
Control air flow and resistance between machines. These industrial blast gates can take the abuse of thousands of open and close cycles. Made specifically for production shops. These metal industrial dust collection fittings are simply the best you can find.

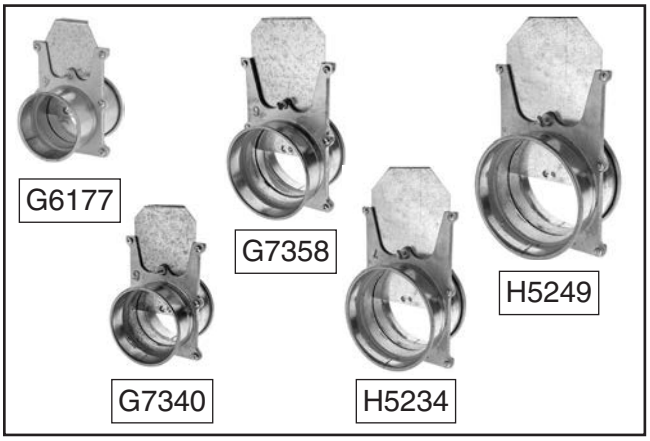


Figure 62. Metal blast gate assortment.

order online at www.grizzly.com or call 1-800-523-4777

H7429—8" Industrial Dust Collection Machine Adapter
H5238—8" Industrial Dust Collection Pipe Clamp
H5239—8" Industrial Dust Collection Adjustable Sleeve
H5250—8" Industrial Dust Collection Pipe Hanger
T26510—8" Industrial Dust Collection Joist Hanger
T27054—8" Quick-Fit O-Ring, 12-Pk.
T28548—8" x 6" x 6" 45° Industrial Dust Collection Branch

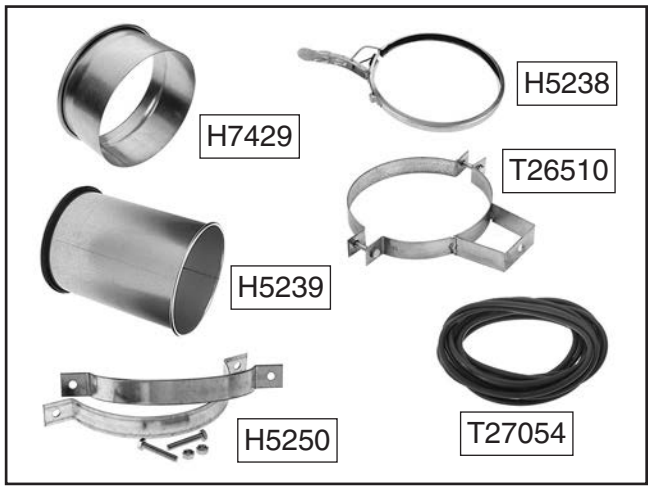


Figure 63. 8" dust-collection accessories.

T27422—Viewing Spool 8"
This viewing spool is a section of acrylic glass with QF ends so you can keep an eye on your material flow. Makes it a cinch to check for slow-downs or debris! Ends are 22 gauge, 8" opening. Total length 12.5".



Figure 64. T27422 Viewing Spool.

D4206—Clear Flexible Hose 4" x 10'
D4256—45° Elbow 4"
D4216—Black Flexible Hose 4" x 10'
W1034—Heavy-Duty Clear Flex Hose 4" x 10'
D2107—Hose Hanger 4¼"
W1015—Y-Fitting 4" x 4" x 4"
W1017—90° Elbow 4"
W1019—Hose Coupler (Splice) 4"
W1317—Wire Hose Clamp 4"
W1007—Plastic Blast Gate 4"
W1053—Anti-Static Grounding Kit



Figure 65. 4" dust-collection accessories.

W1039—Universal Adapter
This adapter provides a multitude of reducing options. Simply cut off unneeded steps. Outside diameter sizes include 1", 2", 2.5", 3", 4", 5", and 6". Wall thickness is ⅛".

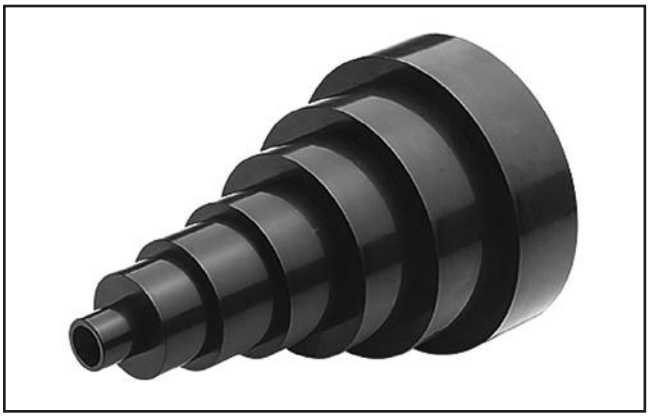


Figure 66. W1039 Universal Adapter.

T30489—HEPA Filter Upgrade (G0860, G0861)
T30490—HEPA Filter Upgrade (G0862)
These MERV-17 rated filters capture the finest dust! They have 3 layers: the first layer is 1 micron; the second layer is the HEPA layer and captures 99.98% of 0.3-micron particles; the third layer is a fiberglass-reinforced layer to strengthen the HEPA layer. The filter surface area of the T30489 is 28.1 square feet, and it fits the G0860 & G0861. The filter surface area of the T30490 is 45.2 square feet, and it fits the G0862.

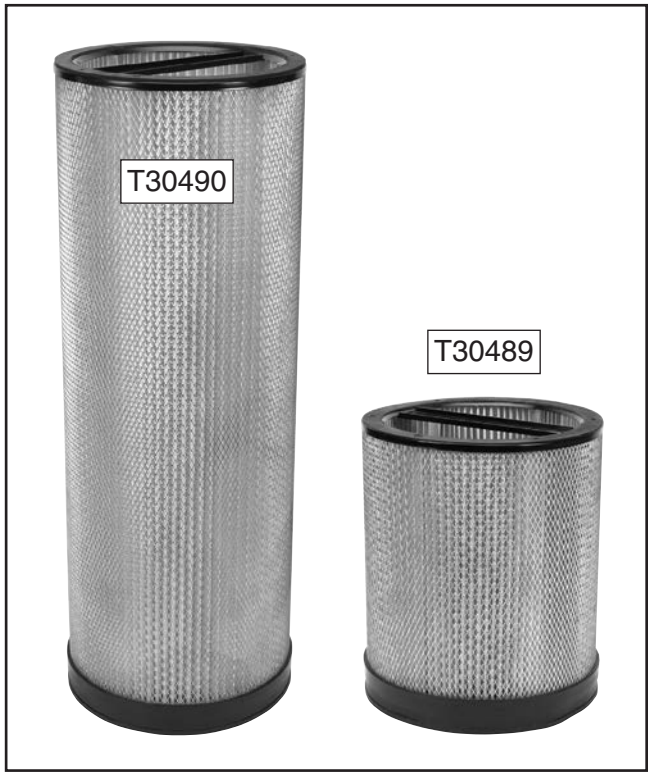


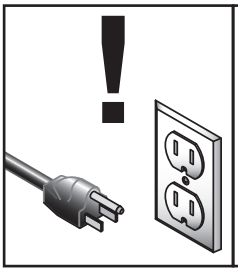
Figure 67. HEPA filter upgrades.

T27900—Filter Bag (G0860, G0861, & G0862)
T27974—Collection Bag (G0861 & G0862)
T28454—Collection Bag (G0862)



Figure 68. Replacement collection bags.

SECTION 7: MAINTENANCE



⚠WARNING

To reduce risk of shock or accidental startup, always disconnect machine from power before adjustments, maintenance, or service.

Schedule

For optimum performance from this machine, this maintenance schedule must be strictly followed.

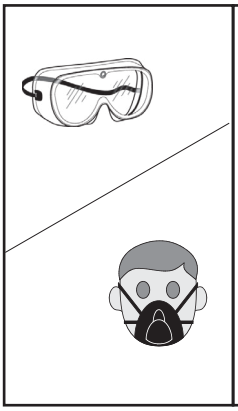
Ongoing

To maintain a low risk of injury and proper machine operation, if you ever observe any of the items below, shut down the machine immediately and fix the problem before continuing operations:

- Loose mounting bolts.
- Damaged filter canister, cleaning paddle components, or collection bags.
- Worn or damaged wires.
- Suction leaks.
- Any other unsafe condition.

Monthly Check

- Clean/vacuum dust buildup off machine body and motor.



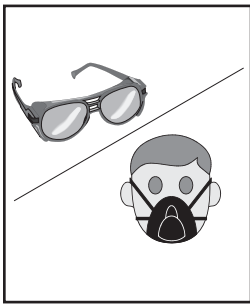
⚠CAUTION

Dust exposure created while using machinery may cause cancer, birth defects, or long-term respiratory damage. Always wear goggles and a NIOSH-approved respirator when working with the dust collection bags or canisters.

Cleaning Canister Filter

This dust collector uses a handle and internal paddles to remove dust buildup and debris from the filter pleats. Move the handle back and forth through its range of motion to clean the canister filter and knock dust cake into the filter bag.

For a more thorough cleaning every few months under heavy use, remove the filter from the dust collector (see **Removing/Replacing Canister Filter** on **Page 43**) and rinse it with warm water. Allow the filters to air dry only. Do not leave the filters in the sun to dry or apply heat to speed the process; heat exposure can damage your filters.



⚠CAUTION

To avoid damage to your eyes and lungs, always wear safety glasses and a respirator when working with the dust collection bags or canisters.

Dispose of the filter bag when dust fills it about ½ full (see **Removing/Replacing Filter Bag** on **Page 40**).

IMPORTANT: To contain wood dust and minimize risk of exposure, firmly tie bag closed.

Removing/Replacing Collection Drum Bag

Dispose of the collection drum bag when dust fills it ¾ full. Replace the bag if it develops a leak or becomes damaged.

IMPORTANT: To contain wood dust and minimize risk of exposure, tie bag closed before disposal.

Items Needed **Qty**
Drum Bag T27974 (Models G0860, G0861)..... 1
Drum Bag T28454 (Model G0862)..... 1

To remove and replace collection drum bag:

1. DISCONNECT MACHINE FROM POWER!

2. Lift drum lock handle to lower collection drum onto casters (see **Figure 69**).

3. Release both latches on sides of drum, then roll drum clear of drum lid (see **Figure 69**).

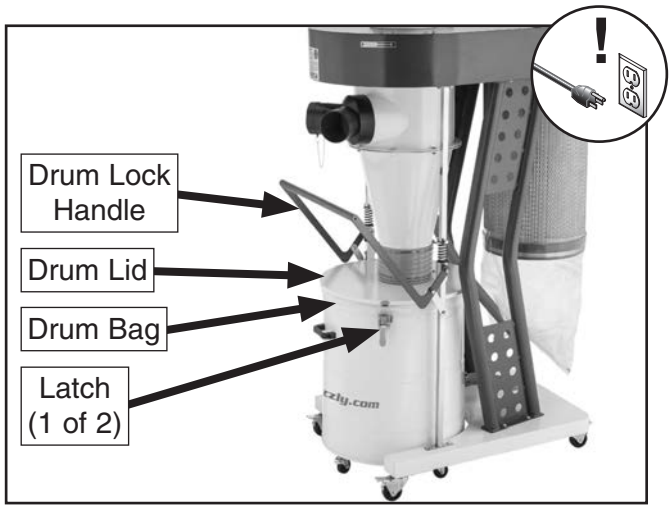


Figure 69. Collection drum bag components.

4. Lift bag out of drum, firmly tie closed, then dispose of contents.

5. Place new dust bag inside collection drum, and fold excess bag length over top of drum.

6. Move collection drum under lid and latch it closed.

7. Press drum lock handle down to lift collection drum off casters for operation.

Removing/Replacing Filter Bag

Remove and replace the filter bag when it is about ½ full.

Items Needed **Qty**
Filter Bag T27900..... 1

To remove & replace filter bag or bags:

1. DISCONNECT MACHINE FROM POWER!

2. Release clamp around bottom of canister filter, then remove filter bag (see **Figure 70**).

   IMPORTANT: To contain wood dust and minimize exposure risk, firmly tie bag closed.

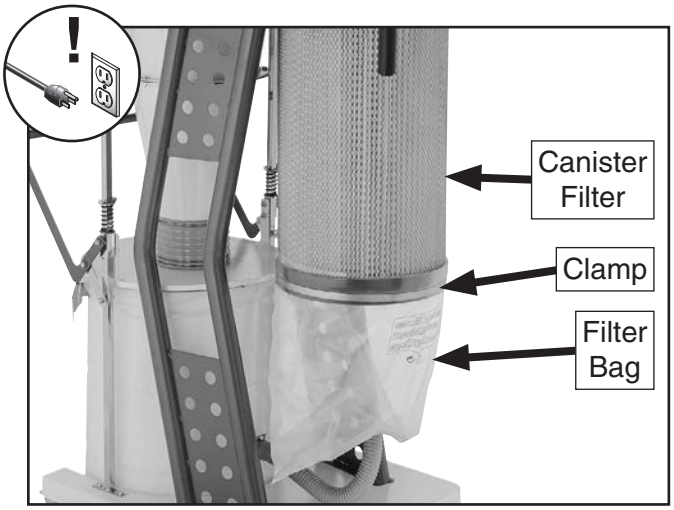


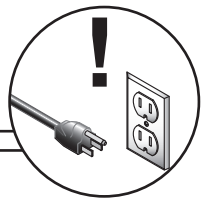
Figure 70. Filter bag components.

3. Attach new filter bag around bottom of canister filter and secure with clamp.

SECTION 8: SERVICE

Review the troubleshooting procedures in this section if a problem develops with your machine. If you need replacement parts or additional help with a procedure, call our Technical Support. **Note:** *Please gather the serial number and manufacture date of your machine before calling.*

Troubleshooting



Motor & Electrical

Symptom	Possible Cause	Possible Solution
Machine does not start or a breaker trips immediately after startup.	1. Dust collector not properly connected to ducting. 2. E-Stop Button depressed/at fault. 3. Incorrect power supply voltage or circuit size. 4. Power supply circuit breaker tripped or fuse blown. 5. Motor overheated. 6. Machine circuit breaker has tripped. 7. Remote control not working. 8. Wiring open/has high resistance. 9. Centrifugal switch/contact points at fault. 10. Power switch/circuit breaker at fault. 11. Start capacitor at fault. 12. Remote receiver at fault. 13. Motor at fault.	1. Connect dust collector to ducting (**Page 25**). 2. Rotate E-Stop Button to reset. Replace if at fault. 3. Ensure correct power supply voltage and circuit size. 4. Ensure circuit is sized correctly and free of shorts. Reset circuit breaker or replace fuse. 5. Allow motor to cool, reset overload if necessary. 6. Reset circuit breaker on switch. 7. Replace battery; stay in signal range (**Page 4**). 8. Check/fix broken, disconnected, or corroded wires. 9. Adjust/replace centrifugal switch/contact points. 10. Test/replace. 11. Test/replace. 12. Replace. 13. Test/repair/replace.
Machine seems underpowered.	1. Motor overheated. 2. Dust-collection ducting problem. 3. Canister filter clogged/at fault. 4. Dust collector too far from machine or undersized for dust-collection system. 5. Run capacitor at fault. 6. Centrifugal switch/contact points at fault. 7. Motor bearings at fault.	1. Allow motor to cool, reset overload if necessary. 2. Clear blockages, seal leaks, use smooth-wall duct, eliminate bends, close other branches (**Page 25**). 3. Clean canister filter (**Page 39**); replace canister filter (**Page 43**). 4. Move closer to machine/redesign ducting layout/ upgrade dust collector. 5. Test/repair/replace. 6. Adjust/replace centrifugal switch/contact points. 7. Test by rotating shaft; rotational grinding/loose shaft requires bearing replacement.
Machine has vibration or noisy operation.	1. Motor or component loose. 2. Motor fan rubbing on fan cover. 3. Motor mount loose/broken. 4. Centrifugal switch is at fault. 5. Impeller damaged, unbalanced, or loose. 6. Motor bearings at fault. 7. Motor shaft bent.	1. Inspect/replace damaged bolts/nuts, and retighten with thread-locking fluid. 2. Fix/replace fan cover; replace loose/damaged fan. 3. Tighten/replace. 4. Adjust/replace centrifugal switch if available. 5. Inspect/tighten/replace. 6. Test by rotating shaft; rotational grinding/loose shaft requires bearing replacement. 7. Test with dial indicator. Replace motor if damaged.

Machine Operation

Symptom	Possible Cause	Possible Solution
Loud, repetitious noise, or excessive vibration coming from dust collector (non-motor related).	1. Dust collector not on a flat surface and wobbles. 2. Impeller damaged and unbalanced. 3. Impeller loose on the motor shaft.	1. Stabilize dust collector; lock casters. 2. Inspect/replace. 3. Secure impeller; replace motor and impeller as a set if motor shaft and impeller hub are damaged.
Dust collector does not adequately collect dust or chips; poor performance.	1. Collection bag full. 2. Canister filter clogged/at fault. 3. Ducting blocked/restricted. 4. Dust collector too far away from point of suction; duct clamps not properly secured; too many sharp bends in ducting. 5. Lumber is wet and dust is not flowing smoothly through ducting. 6. Ducting has one or more leaks, or too many open ports. 7. Not enough open branch lines at one time, causing velocity drop in main line. 8. Ducting and ports are incorrectly sized. 9. The machine dust-collection design inadequate. 10. Dust collector undersized.	1. Empty collection bag. 2. Clean canister filter (**Page 39**); replace canister filter (**Page 43**). 3. Remove ducting from dust collector inlet and unblock restriction. A plumbing snake may be necessary. 4. Relocate dust collector closer to point of suction; re-secure ducts; remove sharp bends. Refer to **Designing the System** in manual. 5. Only process lumber with less than 20% moisture content. 6. Seal/eliminate all ducting leaks; close dust ports for lines not being used. Refer to **Designing the System** in manual. 7. Open 1 or 2 more blast gates to different branch lines to increase main line velocity. 8. Install correctly sized ducts and fittings (**Page 25**) Refer to **Designing the System** in manual. 9. Use dust-collection hood on stand. 10. Install larger dust collector.
Dust collector blows sawdust into the air.	1. Duct clamps or filter bag(s) are not properly clamped and secured; ducting loose/ damaged. 2. Cylinder or funnel seals are loose or damaged.	1. Re-secure ducts and filter bag, making sure duct and bag clamp are tight; tighten/replace ducting. 2. Retighten all mounting and sealing points; replace damaged seals/gaskets.
Remote control does not operate dust collector.	1. Emergency Stop button is pressed in. 2. Machine is disconnected from power. 3. Remote control battery is weak or dead. 4. A wall or barrier disrupts the radio frequency, or controller is too far away. 5. Remote control not paired with receiver.	1. Rotate E-Stop button to reset. 2. Verify machine is connected to power source. 3. Replace battery. 4. Move machine away from barrier; use remote within 75' of machine. 5. Program receiver to accept remote control (**Page 35**).

Removing/Replacing Canister Filter

If the canister filter is clogged or dirty and cleaning or washing it does not improve dust-collection performance, the canister filter must be replaced.

Items Needed	Qty
An Assistant	1
Wrench or Socket, 12mm	1
Wrench or Socket, 10mm	1
Hex Wrench, 5mm	1
Shop Vac	1
Canister Filter T30314 (Models G0860, G0861)	1
Canister Filter T30315 (Model G0862)	1
Filter Bag T27900	1

To remove and replace canister filter:

1. DISCONNECT MACHINE FROM POWER!

2. Release bag clamp, then remove filter bag (see **Figure 71**). Tie bag closed.

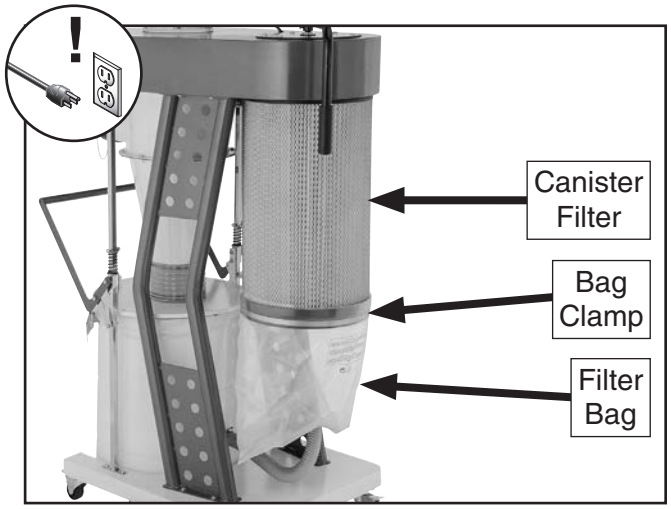


Figure 71. Filter bag components.

3. Loosen M6-1 x 16 hex bolt on filter cleaning handle, then remove handle (see **Figure 72**).

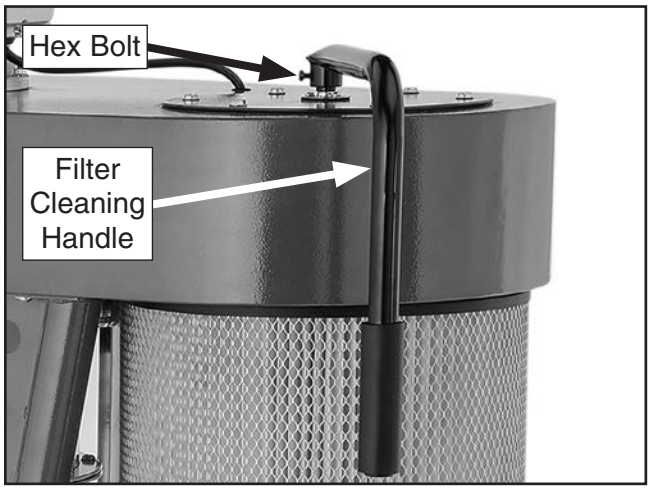


Figure 72. Filter cleaning handle hex bolt.

4. Remove (6) 5/16"-18 x 3/4" flange bolts securing filter paddle cover to impeller housing, then lift cover over spindle (see **Figure 73**).

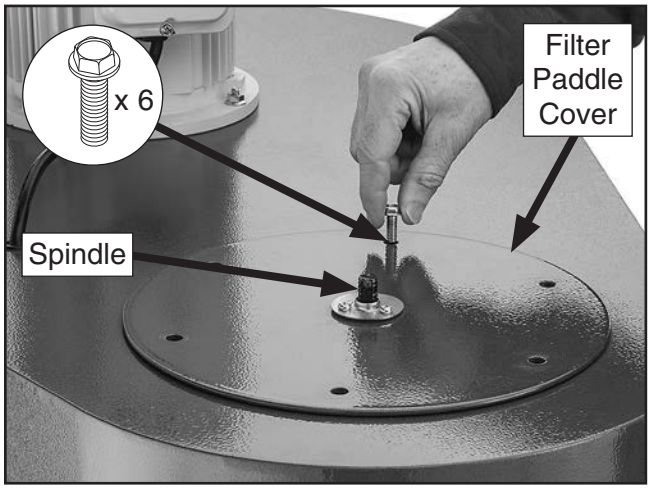


Figure 73. Removing filter paddle cover.

5. Loosen (2) M6-1 x 16 cap screws on paddle handle spindle to remove (see **Figure 74**).

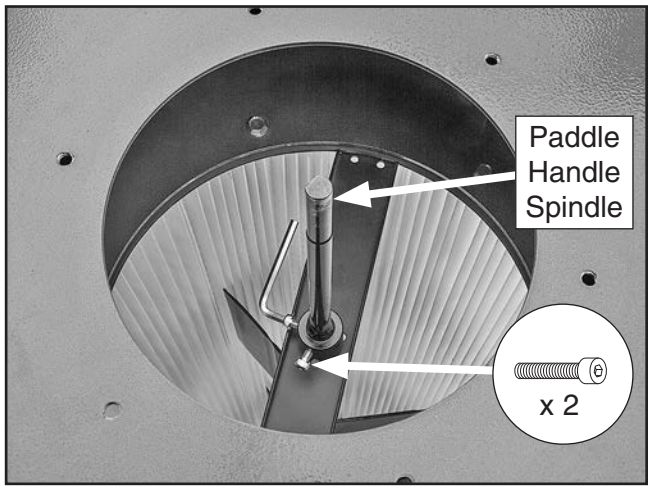


Figure 74. Separating paddle handle spindle from filter paddle spindle.

6. With assistant holding canister filter from below, loosen and remove (6) 5/16"-18 x 3/4" flange bolts securing canister filter assembly to impeller housing (see **Figure 75**).

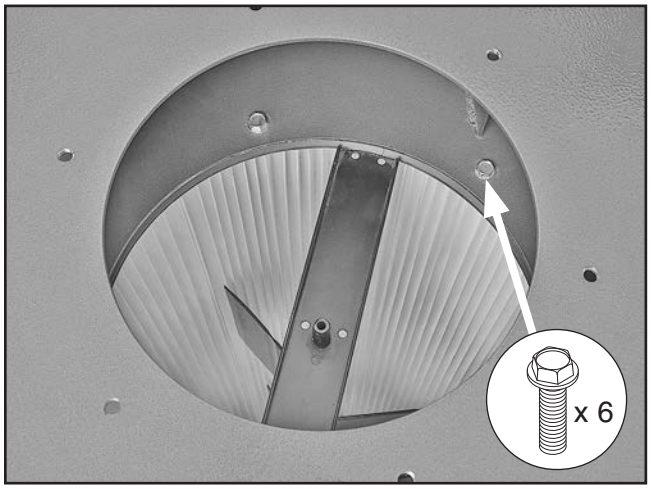


Figure 75. Remove flange bolts to remove canister filter assembly from impeller housing.

7. Vacuum loose dust inside impeller housing and on machine.

8. Reverse **Steps 2–6** to re-assemble.

SECTION 9: WIRING

These pages are current at the time of printing. However, in the spirit of improvement, we may make changes to the electrical systems of future machines. Compare the manufacture date of your machine to the one stated in this manual, and study this section carefully.

If there are differences between your machine and what is shown in this section, call Technical Support at (570) 546-9663 for assistance BEFORE making any changes to the wiring on your machine. An updated wiring diagram may be available. **Note:** *Please gather the serial number and manufacture date of your machine before calling. This information can be found on the main machine label.*

⚠WARNING
Wiring Safety Instructions

SHOCK HAZARD. Working on wiring that is connected to a power source is extremely dangerous. Touching electrified parts will result in personal injury including but not limited to severe burns, electrocution, or death. Disconnect the power from the machine before servicing electrical components!

MODIFICATIONS. Modifying the wiring beyond what is shown in the diagram may lead to unpredictable results, including serious injury or fire. This includes the installation of unapproved aftermarket parts.

WIRE CONNECTIONS. All connections must be tight to prevent wires from loosening during machine operation. Double-check all wires disconnected or connected during any wiring task to ensure tight connections.

CIRCUIT REQUIREMENTS. You MUST follow the requirements at the beginning of this manual when connecting your machine to a power source.

WIRE/COMPONENT DAMAGE. Damaged wires or components increase the risk of serious personal injury, fire, or machine damage. If you notice that any wires or components are damaged while performing a wiring task, replace those wires or components.

MOTOR WIRING. The motor wiring shown in these diagrams is current at the time of printing but may not match your machine. If you find this to be the case, use the wiring diagram inside the motor junction box.

CAPACITORS/INVERTERS. Some capacitors and power inverters store an electrical charge for up to 10 minutes after being disconnected from the power source. To reduce the risk of being shocked, wait at least this long before working on capacitors.

EXPERIENCING DIFFICULTIES. If you are experiencing difficulties understanding the information included in this section, contact our Technical Support at (570) 546-9663.

NOTICE

The photos and diagrams included in this section are best viewed in color. You can view these pages in color at www.grizzly.com.

COLOR KEY

BLACK	Bk	BLUE	Bl	YELLOW	Yl	LIGHT BLUE	Lb
WHITE	Wt	BROWN	Br	YELLOW GREEN	Yg	BLUE WHITE	Bw
GREEN	Gn	GRAY	Gy	PURPLE	Pu	TURQUOISE	Tu
RED	Rd	ORANGE	Or	PINK	Pk		

Electrical Components

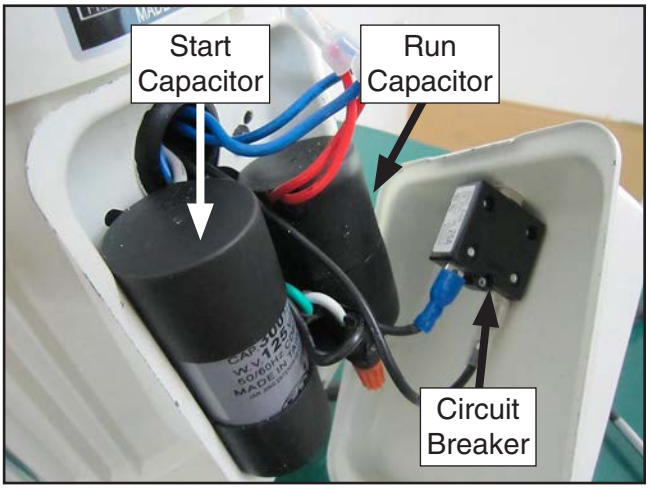


Figure 76. Junction box components (G0860 shown).

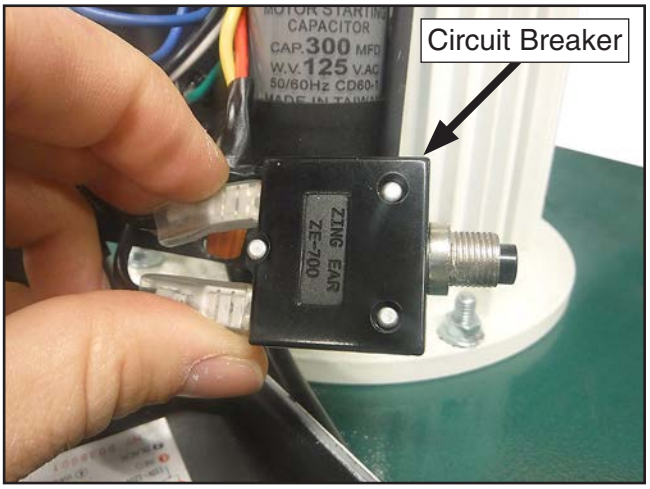


Figure 77. Circuit breaker.

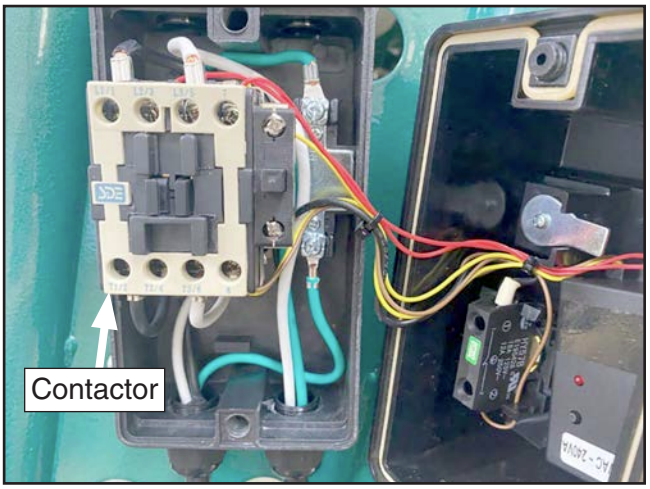


Figure 78. Contactor (G0862 shown).



Figure 79. Magnetic switch (G0862 shown).

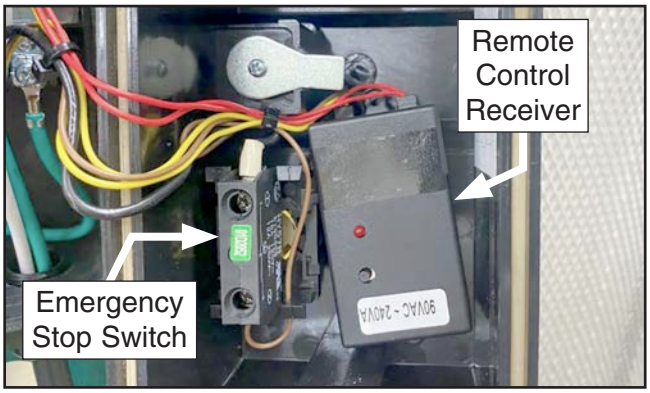


Figure 80. Emergency stop switch and remote control receiver (G0862 shown).

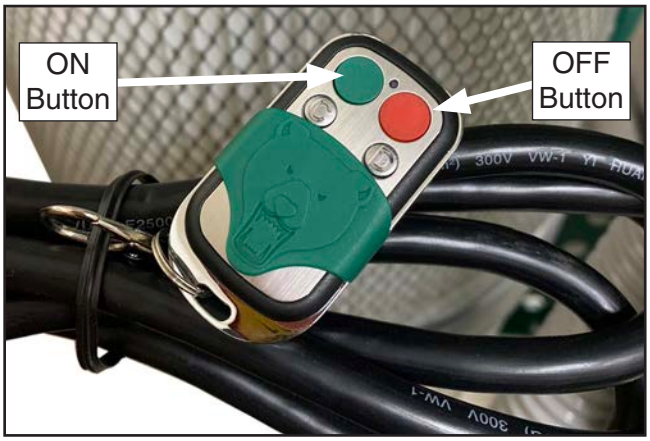
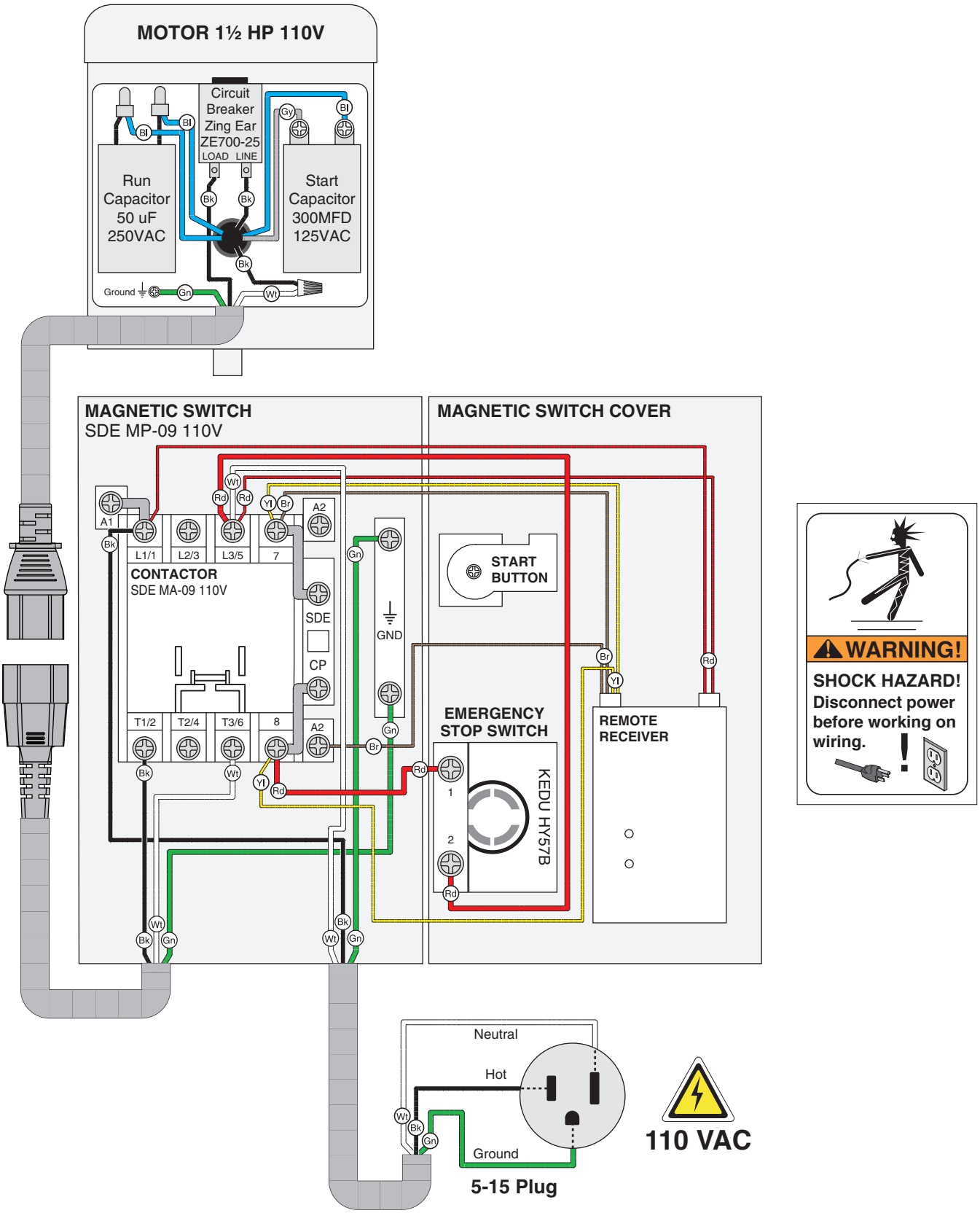
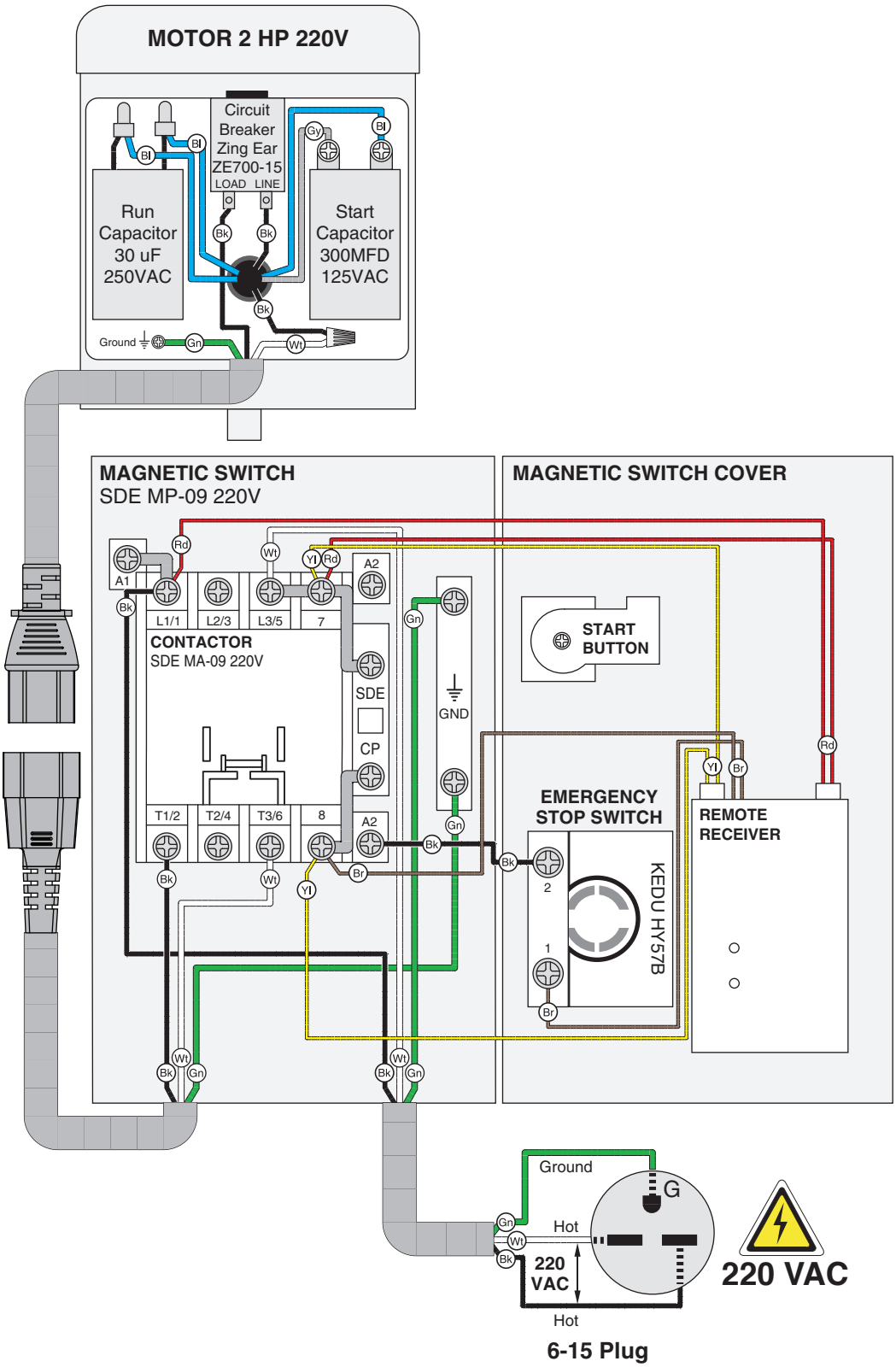


Figure 81. Remote control unit.

G0860 Wiring Diagram

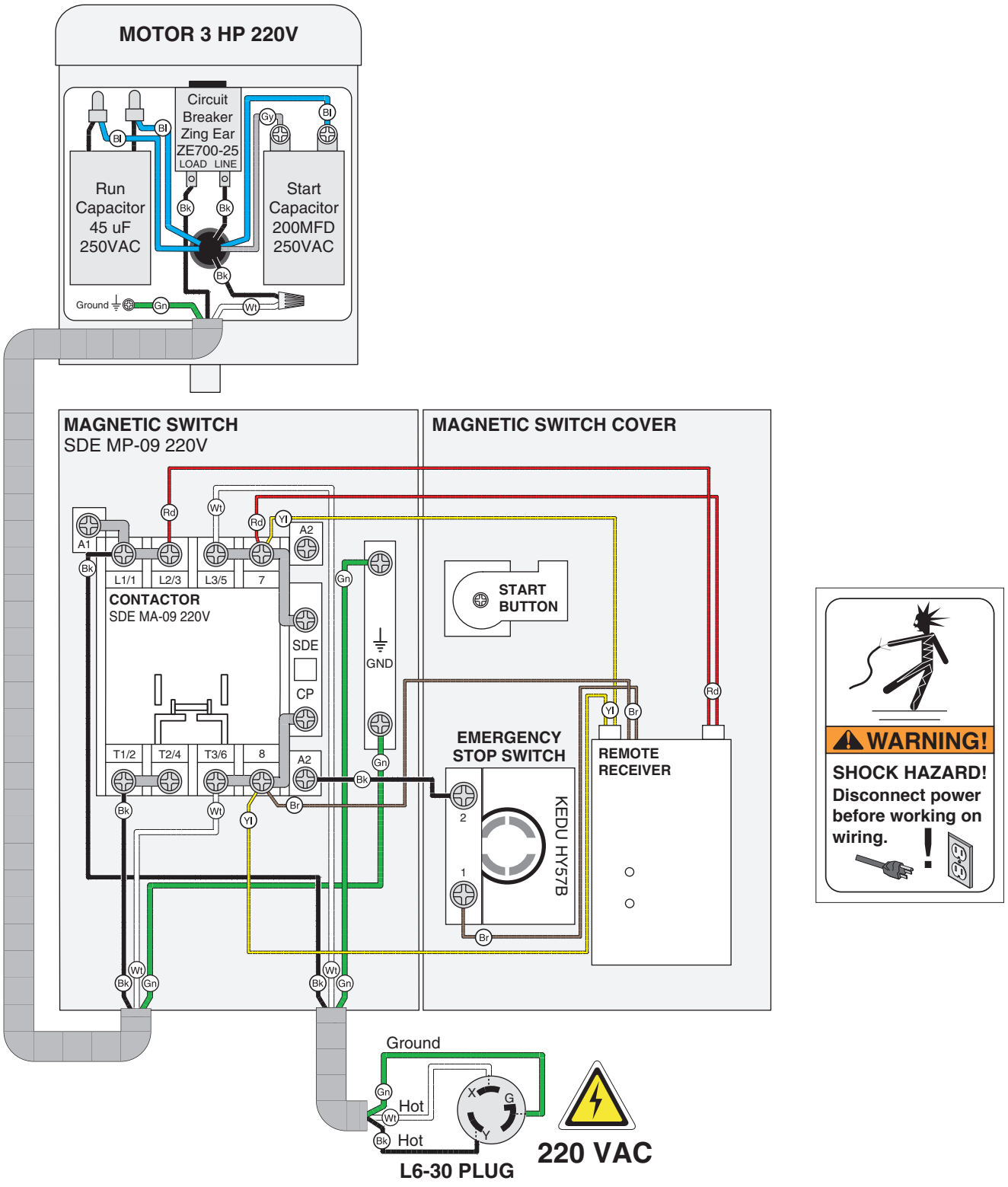


G0861 Wiring Diagram



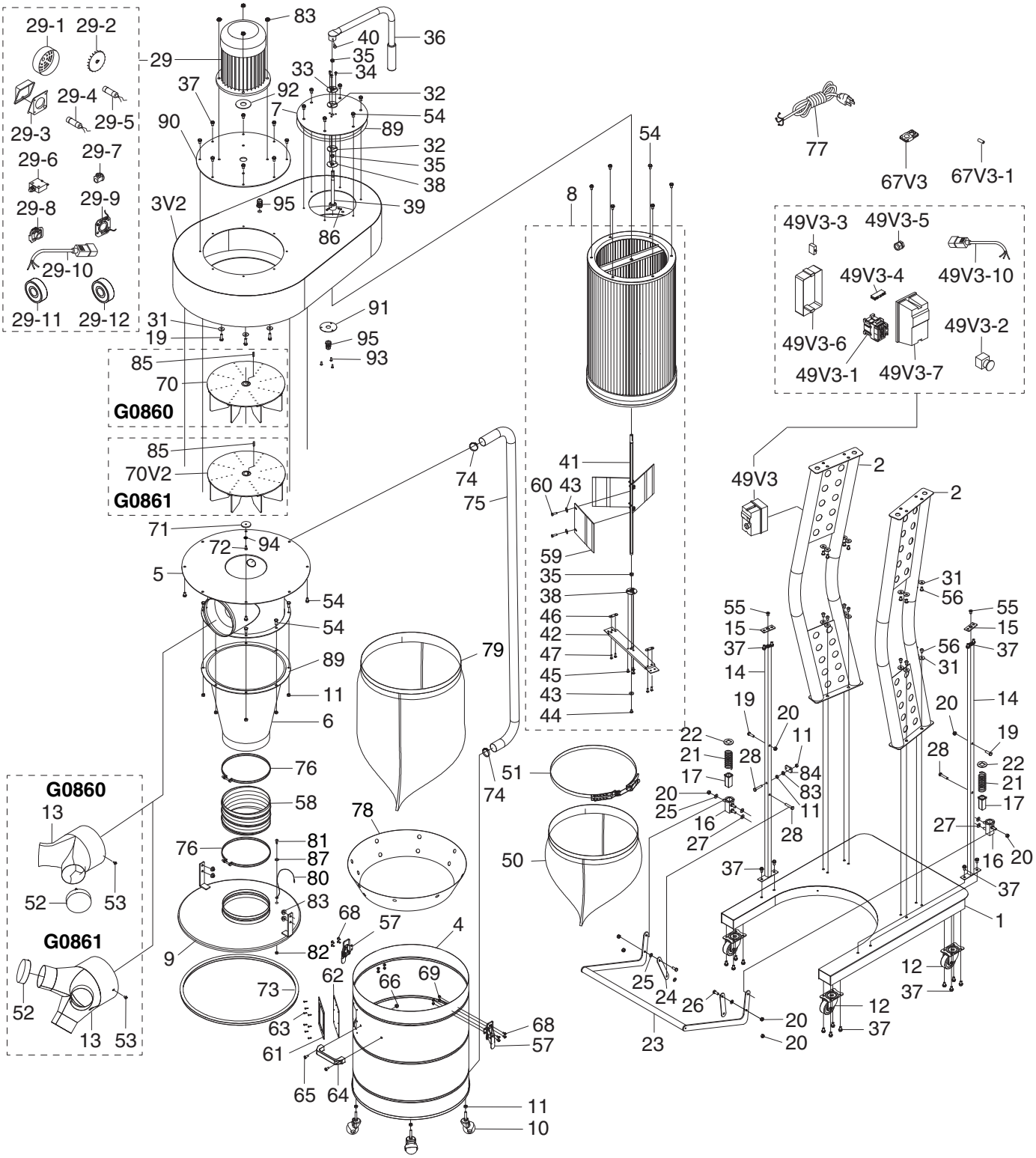
STOP *READ ELECTRICAL SAFETY ON PAGE 45!*

G0862 Wiring Diagram



SECTION 10: PARTS

G0860/G0861 Parts



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Scan QR code to visit our Parts Store.

G0860 Parts List

REF	PART #	DESCRIPTION
1	P0860001	BASE
2	P0860002	SUPPORT LEG
3V2	P0860003V2	IMPELLER HOUSING V2.04.20
4	P0860004	COLLECTION DRUM, 20 GALLON
5	P0860005	INTAKE BARREL
6	P0860006	CYCLONE FUNNEL
7	P0860007	FILTER COVER PLATE
8	P0860008	CANISTER FILTER ASSY 14-1/2" X 24"
9	P0860009	COLLECTION DRUM LID
10	P0860010	CASTER 2", SWIVEL
11	P0860011	HEX NUT 5/16-18
12	P0860012	CASTER 2-1/2", LOCKING SWIVEL
13	P0860013	INLET ADAPTER 6" X 4" X 2
14	P0860014	LOCK HANDLE GUIDE
15	P0860015	MOUNTING PLATE
16	P0860016	SPRING BRACKET
17	P0860017	COPPER PLATE
19	P0860019	HEX BOLT 5/16-18 X 1
20	P0860020	LOCK NUT 5/16-18
21	P0860021	COMPRESSION SPRING 3 X 33 X 70
22	P0860022	SPRING RETAINER
23	P0860023	DRUM LOCK HANDLE
24	P0860024	LOCK HANDLE LINK
25	P0860025	FLAT WASHER 3/8 PLASTIC
26	P0860026	BUTTON HD CAP SCR 5/16-18 X 3/4
27	P0860027	FLAT WASHER 5/16
28	P0860028	HEX BOLT 5/16-18 X 1-3/4
29	P0860029	MOTOR 1.5HP 110V 1-PH
29-1	P0860029-1	MOTOR FAN COVER
29-2	P0860029-2	MOTOR FAN
29-3	P0860029-3	MOTOR JUNCTION BOX
29-4	P0860029-4	R CAPACITOR 50M 250V 1-1/2 X 2-3/8
29-5	P0860029-5	S CAPACITOR 300M 125V 1-3/8 X 2-5/8
29-6	P0860029-6	CIRCUIT BREAKER ZING EAR ZE-700 25A
29-7	P0860029-7	STRAIN RELIEF TYPE-2 15MM
29-8	P0860029-8	CENTRIFUGAL SWITCH
29-9	P0860029-9	CONTACT PLATE
29-10	P0860029-10	MOTOR CORD W/PLUG 14G 3W 30"
29-11	P0860029-11	BALL BEARING 6203-2RS
29-12	P0860029-12	BALL BEARING 6205-2RS
31	P0860031	FENDER WASHER 5/16
32	P0860032	RUBBER GASKET 43MM
33	P0860033	BEARING RETAINER, UPPER
34	P0860034	PHLP HD SCR M5-.8 X 8
35	P0860035	SLEEVE BEARING 12 X 14 X 6MM
36	P0860036	FILTER PADDLE HANDLE
37	P0860037	FLANGE BOLT 5/16-18 X 1/2
38	P0860038	BEARING RETAINER, LOWER
39	P0860039	PADDLE HANDLE SPINDLE
40	P0860040	HEX BOLT M6-1 X 16
41	P0860041	FILTER PADDLE SPINDLE
42	P0860042	PADDLE SPINDLE BRACKET
43	P0860043	FLAT WASHER 1/4
44	P0860044	PHLP HD SCR M6-1 X 10
45	P0860045	PHLP HD SCR M5-.8 X 8
46	P0860046	PADDLE SPINDLE BRACKET RETAINER

REF	PART #	DESCRIPTION
47	P0860047	PHLP HD SCR M5-.8 X 15
49V3	P0860049V3	MAG SWITCH SDE MP-09 110V V3.02.21
49V3-1	P0860049V3-1	CONTACTOR SDE MA-09 110V
49V3-2	P0860049V3-2	E-STOP SWITCH KEDU HY57B
49V3-3	P0860049V3-3	CONTACT BLOCK SDE CP
49V3-4	P0860049V3-4	REMOTE CONTROL RECEIVER
49V3-5	P0860049V3-5	STRAIN RELIEF TYPE-3 M20-1.5
49V3-6	P0860049V3-6	MAG SWITCH BASE
49V3-7	P0860049V3-7	MAG SWITCH COVER
49-10	P0860049-10	MAG SWITCH CORD W/PLUG 14G 3W
50	P0860050	FILTER BAG 20" X 23"
51	P0860051	BAG CLAMP 15"
52	P0860052	INLET ADAPTER CAP 4"
53	P0860053	PHLP HD SCR 10-24 X 3/8
54	P0860054	FLANGE BOLT 5/16-18 X 3/4
55	P0860055	FLAT HD SCR 5/16-18 X 1-1/4
56	P0860056	BUTTON HD CAP SCR 5/16-18 X 1/2
57	P0860057	COLLECTION DRUM LID LATCH
58	P0860058	FLEX HOSE 7" X 5"
59	P0860059	FILTER PADDLE
60	P0860060	HEX BOLT M6-1 X 12
61	P0860061	FOAM GASKET 120 X 140MM
62	P0860062	DRUM WINDOW 120 X 140MM ACRYLIC
63	P0860063	RIVET 2 X 4MM ALUMINUM
64	P0860064	COLLECTION DRUM HANDLE
65	P0860065	PHLP HD SCR 1/4-20 X 5/8
66	P0860066	ACORN NUT 1/4-20
67V3	P0860067V3	REMOTE CONTROL V3.02.21
67V3-1	P0860067V3-1	REMOTE BATTERY TYPE A27 12V
68	P0860068	PHLP HD SCR M4-.7 X 8
69	P0860069	LOCK NUT M4-.7
70	P0860070	IMPELLER 12-3/4"
71	P0860071	IMPELLER WASHER 6 X 38 X 4MM
72	P0860072	CAP SCREW M6-1 X 30
73	P0860073	COLLECTION DRUM GASKET
74	P0860074	HOSE CLAMP 1-3/4"
75	P0860075	VACUUM HOSE 1-1/2" X 60"
76	P0860076	HOSE CLAMP 7-1/2"
77	P0860077	POWER CORD 14G 3W 72" 5-15P
78	P0860078	VACUUM RING
79	P0860079	COLLECTION DRUM BAG 30" X 41"
80	P0860080	GROUND WIRE 18G 17-1/2"
81	P0860081	PHLP HD SCR 10-24 X 3/8
82	P0860082	HEX NUT 10-24
83	P0860083	FLANGE NUT 5/16-18
84	P0860084	LOCK HANDLE STOP
85	P0860085	KEY 7 X 7 X 29
86	P0860086	CAP SCREW M6-1 X 16
87	P0860087	EXT TOOTH WASHER #10
89	P0860089	FOAM GASKET SEAL
90	P0860090	MOTOR PLATE
91	P0860091	FIXED PLATE
92	P0860092	RUBBER GASKET
93	P0860093	PHLP HD SCR 10-24 X 1/2
94	P0860094	LOCK WASHER 6MM
95	P0860095	STRAIN RELIEF TYPE-3 M16-2

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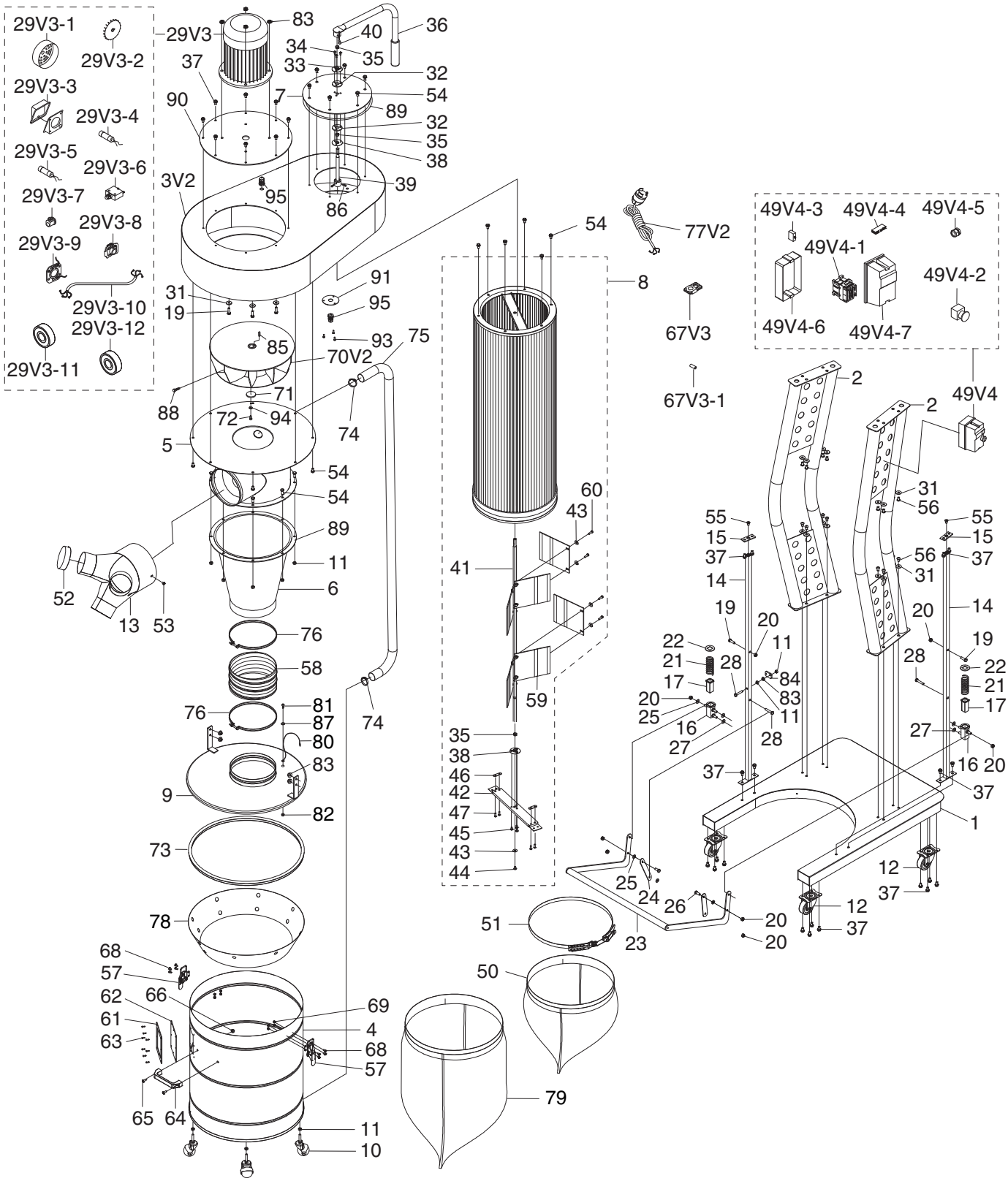
G0861 Parts List

REF	PART #	DESCRIPTION
1	P0861001	BASE
2	P0861002	SUPPORT LEG
3V2	P0861003V2	IMPELLER HOUSING V2.04.20
4	P0861004	COLLECTION DRUM, 20 GALLON
5	P0861005	INTAKE BARREL
6	P0861006	CYCLONE FUNNEL
7	P0861007	FILTER COVER PLATE
8	P0861008	CANISTER FILTER ASSY 14-1/2" X 24"
9	P0861009	COLLECTION DRUM LID
10	P0861010	CASTER 2", SWIVEL
11	P0861011	HEX NUT 5/16-18
12	P0861012	CASTER 2-1/2", LOCKING SWIVEL
13	P0861013	INLET ADAPTER 7" X 4" X 3
14	P0861014	LOCK HANDLE GUIDE
15	P0861015	MOUNTING PLATE
16	P0861016	SPRING BRACKET
17	P0861017	COPPER PLATE
19	P0861019	HEX BOLT 5/16-18 X 1
20	P0861020	LOCK NUT 5/16-18
21	P0861021	COMPRESSION SPRING 3 X 33 X 70
22	P0861022	SPRING RETAINER
23	P0861023	DRUM LOCK HANDLE
24	P0861024	LOCK HANDLE LINK
25	P0861025	FLAT WASHER 3/8 PLASTIC
26	P0861026	BUTTON HD CAP SCR 5/16-18 X 3/4
27	P0861027	FLAT WASHER 5/16
28	P0861028	HEX BOLT 5/16-18 X 1-3/4
29	P0861029	MOTOR 2HP 220V 1-PH
29-1	P0861029-1	MOTOR FAN COVER
29-2	P0861029-2	MOTOR FAN
29-3	P0861029-3	MOTOR JUNCTION BOX
29-4	P0861029-4	R CAPACITOR 30M 250V 1-1/2 X 2-3/8
29-5	P0861029-5	S CAPACITOR 300M 125V 1-3/8 X 2-5/8
29-6	P0861029-6	CIRCUIT BREAKER ZING EAR ZE-700 15A
29-7	P0861029-7	STRAIN RELIEF TYPE-2 15MM
29-8	P0861029-8	CENTRIFUGAL SWITCH
29-9	P0861029-9	CONTACT PLATE
29-10	P0861029-10	MOTOR CORD W/PLUG 14G 3W 30"
29-11	P0861029-11	BALL BEARING 6203-2RS
29-12	P0861029-12	BALL BEARING 6205-2RS
31	P0861031	FENDER WASHER 5/16
32	P0861032	RUBBER GASKET 43MM
33	P0861033	BEARING RETAINER, UPPER
34	P0861034	PHLP HD SCR M5-.8 X 8
35	P0861035	SLEEVE BEARING 12 X 14 X 6MM
36	P0861036	FILTER PADDLE HANDLE
37	P0861037	FLANGE BOLT 5/16-18 X 1/2
38	P0861038	BEARING RETAINER, LOWER
39	P0861039	PADDLE HANDLE SPINDLE
40	P0861040	HEX BOLT M6-1 X 16
41	P0861041	FILTER PADDLE SPINDLE
42	P0861042	PADDLE SPINDLE BRACKET
43	P0861043	FLAT WASHER 1/4
44	P0861044	PHLP HD SCR M6-1 X 10
45	P0861045	PHLP HD SCR M5-.8 X 8
46	P0861046	PADDLE SPINDLE BRACKET RETAINER

REF	PART #	DESCRIPTION
47	P0861047	PHLP HD SCR M5-.8 X 15
49V3	P0861049V3	MAG SWITCH SDE MP-09 220V V3.02.21
49V3-1	P0861049V3-1	CONTACTOR SDE MA-09 220V
49V3-2	P0861049V3-2	E-STOP SWITCH KEDU HY57B
49V3-3	P0861049V3-3	CONTACT BLOCK SDE CP
49V3-4	P0861049V3-4	REMOTE CONTROL RECEIVER
49V3-5	P0861049V3-5	STRAIN RELIEF TYPE-3 M20-1.5
49V3-6	P0861049V3-6	MAG SWITCH BASE
49V3-7	P0861049V3-7	MAG SWITCH COVER
49V3-10	P0861049V3-10	MAG SWITCH CORD W/PLUG 14G 3W
50	P0861050	FILTER BAG 20" X 23"
51	P0861051	BAG CLAMP 15"
52	P0861052	INLET ADAPTER CAP 4"
53	P0861053	PHLP HD SCR 10-24 X 3/8
54	P0861054	FLANGE BOLT 5/16-18 X 3/4
55	P0861055	FLAT HD SCR 5/16-18 X 1-1/4
56	P0861056	BUTTON HD CAP SCR 5/16-18 X 1/2
57	P0861057	COLLECTION DRUM LID LATCH
58	P0861058	FLEX HOSE 8" X 7"
59	P0861059	FILTER PADDLE
60	P0861060	HEX BOLT M6-1 X 12
61	P0861061	FOAM GASKET 120 X 140MM
62	P0861062	DRUM WINDOW 120 X 140MM ACRYLIC
63	P0861063	RIVET 2 X 4MM ALUMINUM
64	P0861064	COLLECTION DRUM HANDLE
65	P0861065	PHLP HD SCR 1/4-20 X 5/8
66	P0861066	ACORN NUT 1/4-20
67V3	P0861067V3	REMOTE CONTROL V3.02.21
67V3-1	P0861067V3-1	REMOTE BATTERY TYPE A27 12V
68	P0861068	PHLP HD SCR M4-.7 X 8
69	P0861069	LOCK NUT M4-.7
70V2	P0861070V2	IMPELLER 12-3/4" V2.03.19
71	P0861071	IMPELLER WASHER 6 X 38 X 4MM
72	P0861072	CAP SCREW M6-1 X 30 LH
73	P0861073	COLLECTION DRUM GASKET
74	P0861074	HOSE CLAMP 1-3/4"
75	P0861075	VACUUM HOSE 1-1/2" X 60"
76	P0861076	HOSE CLAMP 8-1/2"
77	P0861077	POWER CORD 14G 3W 72" 6-15P
78	P0861078	VACUUM RING
79	P0861079	COLLECTION DRUM BAG 30" X 41"
80	P0861080	GROUND WIRE 18G 17-1/2"
81	P0861081	PHLP HD SCR 10-24 X 3/8
82	P0861082	HEX NUT 10-24
83	P0861083	FLANGE NUT 5/16-18
84	P0861084	LOCK HANDLE STOP
85	P0861085	KEY 7 X 7 X 29
86	P0861086	CAP SCREW M6-1 X 16
87	P0861087	EXT TOOTH WASHER #10
89	P0861089	FOAM GASKET SEAL
90	P0861090	MOTOR PLATE
91	P0861091	FIXED PLATE
92	P0861092	RUBBER GASKET
93	P0861093	PHLP HD SCR 10-24 X 1/2
94	P0861094	LOCK WASHER 6MM
95	P0861095	STRAIN RELIEF TYPE-3 M16-2

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G0862 Parts



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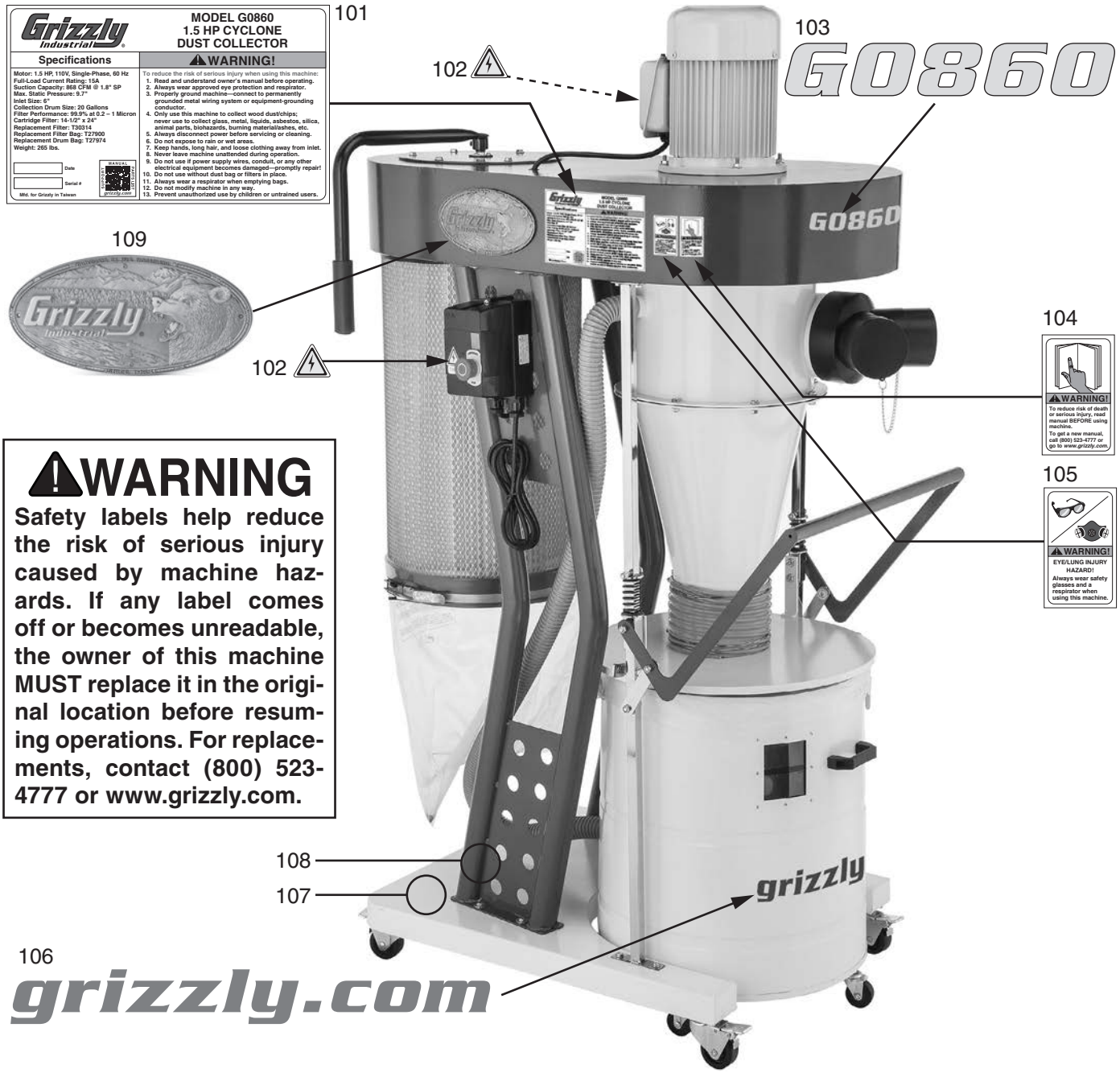
G0862 Parts List

REF	PART #	DESCRIPTION
1	P0862001	BASE
2	P0862002	SUPPORT LEG
3V2	P0862003V2	IMPELLER HOUSING V2.04.20
4	P0862004	COLLECTION DRUM, 38 GALLON
5	P0862005	INTAKE BARREL
6	P0862006	CYCLONE FUNNEL
7	P0862007	FILTER COVER PLATE
8	P0862008	CANISTER FILTER ASSY 14-1/2" X 39-3/8"
9	P0862009	COLLECTION DRUM LID
10	P0862010	CASTER 2", SWIVEL
11	P0862011	HEX NUT 5/16-18
12	P0862012	CASTER 2-1/2", LOCKING SWIVEL
13	P0862013	INLET ADAPTER 8" X 4" X 3
14	P0862014	LOCK HANDLE GUIDE
15	P0862015	MOUNTING PLATE
16	P0862016	SPRING BRACKET
17	P0862017	COPPER PLATE
19	P0862019	HEX BOLT 5/16-18 X 1
20	P0862020	LOCK NUT 5/16-18
21	P0862021	COMPRESSION SPRING 3 X 33 X 70
22	P0862022	SPRING RETAINER
23	P0862023	DRUM LOCK HANDLE
24	P0862024	LOCK HANDLE LINK
25	P0862025	FLAT WASHER 3/8 PLASTIC
26	P0862026	BUTTON HD CAP SCR 5/16-18 X 3/4
27	P0862027	FLAT WASHER 5/16
28	P0862028	HEX BOLT 5/16-18 X 1-3/4
29V3	P0862029V3	MOTOR 3HP 220V 1-PH V3.09.20
29V3-1	P0862029V3-1	MOTOR FAN COVER
29V3-2	P0862029V3-2	MOTOR FAN
29V3-3	P0862029V3-3	MOTOR JUNCTION BOX
29V3-4	P0862029V3-4	R CAPACITOR 45M 250V 1-1/2 X 2-3/8
29V3-5	P0862029V3-5	S CAPACITOR 200M 250V 1-3/8 X 2-3/4
29V3-6	P0862029V3-6	CIRCUIT BREAKER ZING EAR ZE-700 25A
29V3-7	P0862029V3-7	STRAIN RELIEF TYPE-2 15MM
29V3-8	P0862029V3-8	CENTRIFUGAL SWITCH
29V3-9	P0862029V3-9	CONTACT PLATE
29V3-10	P0862029V3-10	MOTOR CORD 12G 3W 60"
29V3-11	P0862029V3-11	BALL BEARING 6205-2RS
29V3-12	P0862029V3-12	BALL BEARING 6206-2RS
31	P0862031	FENDER WASHER 5/16
32	P0862032	RUBBER GASKET 43MM
33	P0862033	BEARING RETAINER, UPPER
34	P0862034	PHLP HD SCR M5-.8 X 8
35	P0862035	SLEEVE BEARING 12 X 14 X 6MM
36	P0862036	FILTER PADDLE HANDLE
37	P0862037	FLANGE BOLT 5/16-18 X 1/2
38	P0862038	BEARING RETAINER, LOWER
39	P0862039	PADDLE HANDLE SPINDLE
40	P0862040	HEX BOLT M6-1 X 16
41	P0862041	FILTER PADDLE SPINDLE
42	P0862042	PADDLE SPINDLE BRACKET
43	P0862043	FLAT WASHER 1/4
44	P0862044	PHLP HD SCR M6-1 X 10
45	P0862045	PHLP HD SCR M5-.8 X 8
46	P0862046	PADDLE SPINDLE BRACKET RETAINER

REF	PART #	DESCRIPTION
47	P0862047	PHLP HD SCR M5-.8 X 15
49V4	P0862049V4	MAG SWITCH SDE MP-09 220V V4.05.21
49V4-1	P0862049V4-1	CONTACTOR SDE MA-09 220V
49V4-2	P0862049V4-2	E-STOP SWITCH KEDU HY57B
49V4-3	P0862049V4-3	CONTACT BLOCK SDE CP
49V4-4	P0862049V4-4	REMOTE CONTROL RECEIVER
49V4-5	P0862049V4-5	STRAIN RELIEF TYPE-3 M20-1.5
49V4-6	P0862049V4-6	MAG SWITCH BASE
49V4-7	P0862049V4-7	MAG SWITCH COVER
50	P0862050	FILTER BAG 20" X 23"
51	P0862051	BAG CLAMP 15"
52	P0862052	INLET ADAPTER CAP 4"
53	P0862053	PHLP HD SCR 10-24 X 3/8
54	P0862054	FLANGE BOLT 5/16-18 X 3/4
55	P0862055	FLAT HD SCR 5/16-18 X 1-1/4
56	P0862056	BUTTON HD CAP SCR 5/16-18 X 1/2
57	P0862057	COLLECTION DRUM LID LATCH
58	P0862058	FLEX HOSE 12" X 9-1/2"
59	P0862059	FILTER PADDLE
60	P0862060	HEX BOLT M6-1 X 16
61	P0862061	FOAM GASKET 120 X 140MM
62	P0862062	DRUM WINDOW 120 X 140MM ACRYLIC
63	P0862063	RIVET 2 X 4MM ALUMINUM
64	P0862064	COLLECTION DRUM HANDLE
65	P0862065	PHLP HD SCR 1/4-20 X 5/8
66	P0862066	ACORN NUT 1/4-20
67V3	P0862067V3	REMOTE CONTROL V3.02.21
67V3-1	P0862067V3-1	REMOTE BATTERY TYPE A27 12V
68	P0862068	PHLP HD SCR M4-.7 X 8
69	P0862069	LOCK NUT M4-.7
70V2	P0862070V2	IMPELLER 16" ALUMINUM V2.07.20
71	P0862071	IMPELLER WASHER 6 X 38 X 4MM
72	P0862072	CAP SCREW M6-1 X 30
73	P0862073	COLLECTION DRUM GASKET
74	P0862074	HOSE CLAMP 1-3/4"
75	P0862075	VACUUM HOSE 1-1/2" X 60"
76	P0862076	HOSE CLAMP 12-1/2"
77V2	P0862077V2	POWER CORD 12G 3W 120" L6-30P V2.02.21
78	P0862078	VACUUM RING
79	P0862079	COLLECTION DRUM BAG 39" X 56"
80	P0862080	GROUND WIRE 18G 17-1/2"
81	P0862081	PHLP HD SCR 10-24 X 3/8
82	P0862082	HEX NUT 10-24
83	P0862083	FLANGE NUT 5/16-18
84	P0862084	LOCK HANDLE STOP
85	P0862085	KEY 7 X 7 X 30
86	P0862086	CAP SCREW M6-1 X 16
87	P0862087	EXT TOOTH WASHER #10
88	P0862088	HEX BOLT 3/8-16 X 1/2
89	P0862089	FOAM GASKET SEAL
90	P0862090	MOTOR PLATE
91	P0862091	FIXED PLATE
93	P0862093	PHLP HD SCR 10-24 X 1/2
94	P0862094	LOCK WASHER 6MM
95	P0862095	STRAIN RELIEF TYPE-3 M25-3

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G0860/G0861 Labels & Cosmetics

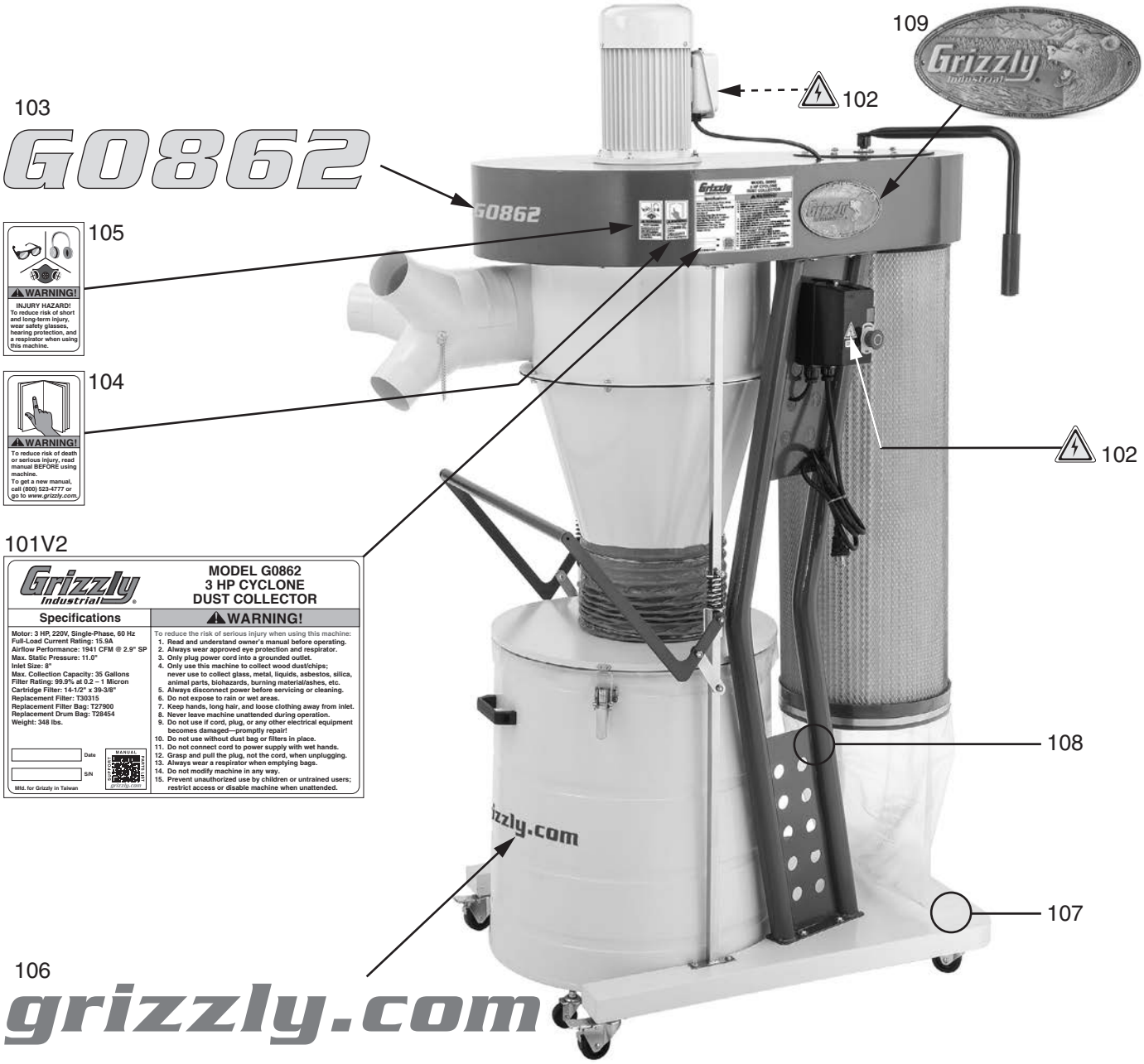


REF	PART #	DESCRIPTION
101	P0860101	MACHINE ID LABEL (G0860)
101	P0861101	MACHINE ID LABEL (G0861)
102	P0860102	ELECTRICITY WARNING LABEL
103	P0860103	MODEL NO. LABEL (G0860)
103	P0861103	MODEL NO. LABEL (G0861)
104	P0860104	READ MANUAL LABEL

REF	PART #	DESCRIPTION
105	P0860105	EYE/EAR/LUNG WARNING LABEL
106	P0860106	GRIZZLY.COM LABEL
107	P0860107	TOUCH-UP PAINT, GRIZZLY BEIGE
108	P0860108	TOUCH-UP PAINT, GRIZZLY GREEN
109	P0860109	GRIZZLY NAMEPLATE-SMALL

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G0862 Labels & Cosmetics



REF	PART #	DESCRIPTION
101V2	P0862101V2	MACHINE ID LABEL V2.10.19
102	P0862102	ELECTRICITY WARNING LABEL
103	P0862103	MODEL NO. LABEL
104	P0862104	READ MANUAL LABEL
105	P0862105	EYES/EARS/LUNGS WARNING LABEL

REF	PART #	DESCRIPTION
106	P0862106	GRIZZLY.COM LABEL
107	P0862107	TOUCH-UP PAINT, GRIZZLY BEIGE
108	P0862108	TOUCH-UP PAINT, GRIZZLY GREEN
109	P0862109	GRIZZLY NAMEPLATE-SMALL

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We shall in no event be liable for death, injuries to persons or property or for incidental, contingent, special, or consequential damages arising from the use of our products.

The manufacturers reserve the right to change specifications at any time because they constantly strive to achieve better quality equipment. We make every effort to ensure that our products meet high quality and durability standards and we hope you never need to use this warranty.

In the event you need to use this warranty, contact us by mail or phone and give us all the details. We will then issue you a "Return Number," which must be clearly posted on the outside as well as the inside of the carton. We will not accept any item back without this number. Proof of purchase must accompany the merchandise.

Please feel free to write or call us if you have any questions about the machine or the manual.

Thank you again for your business and continued support. We hope to serve you again soon.

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