

Grizzly *Industrial, Inc.*®

MODEL G0532 2HP DRY SPRAY BOOTH OWNER'S MANUAL



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**WARNING: NO PORTION OF THIS MANUAL MAY BE REPRODUCED IN ANY SHAPE
OR FORM WITHOUT THE WRITTEN APPROVAL OF GRIZZLY INDUSTRIAL, INC.**
(FOR MODELS MANUFACTURED SINCE 3/11) #BL5690 PRINTED IN TAIWAN



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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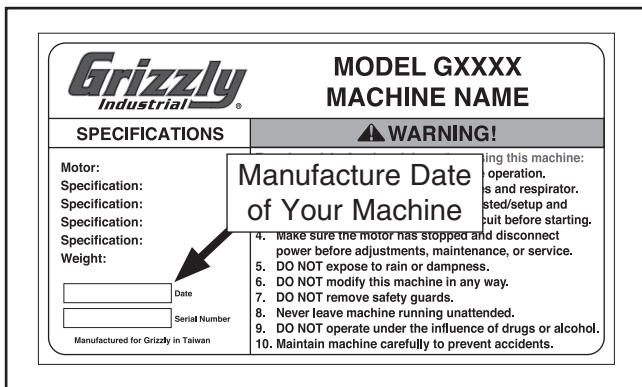
INTRODUCTION

Manual Accuracy

We are proud to offer this manual with your new machine! We've made every effort to be exact with the instructions, specifications, drawings, and photographs of the machine we used when writing this manual. However, sometimes we still make an occasional mistake.

Also, owing to our policy of continuous improvement, **your machine may not exactly match the manual**. If you find this to be the case, and the difference between the manual and machine leaves you in doubt, check our website for the latest manual update or call technical support for help.

Before calling, find the manufacture date of your machine by looking at the date stamped into the machine ID label (see below). This will help us determine if the manual version you received matches the manufacture date of your machine.



For your convenience, we post all available manuals and manual updates for free on our website at www.grizzly.com. Any updates to your model of machine will be reflected in these documents as soon as they are complete.

Contact Info

We stand behind our machines. If you have any questions or need help, use the information below to contact us. Before contacting, please get the serial number and manufacture date of your machine. This will help us help you faster.

Grizzly Technical Support
1203 Lycoming Mall Circle
Muncy, PA 17756
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 DATA SHEET

Customer Service #: (570) 546-9663 · To Order Call: (800) 523-4777 · Fax #: (800) 438-5901

MODEL G0532 2 HP DRY SPRAY BOOTH

Product Dimensions:

Weight..... 354 lbs.
 Width (side-to-side) x Depth (front-to-back) x Height..... 48 x 68 x 77 in.
 Footprint (Length x Width)..... 35 x 30 in.

Shipping Dimensions:

Type..... Cardboard
 Content..... Machine
 Weight..... 407 lbs.
 Length x Width x Height..... 58 x 33 x 26 in.

Electrical:

Power Requirement..... 115V/230V, Single-Phase, 60 Hz
 Prewired Voltage..... 230V
 Full-Load Current Rating..... 22A at 115V, 11A at 230V
 Minimum Circuit Size..... 30A at 115V, 15A at 230V
 Plug Included..... No
 Recommended Plug/Outlet Type..... Hardwire

Motors:

Main

Type..... Explosion Proof
 Horsepower..... 2 HP
 Voltage..... 115/230V
 Prewired..... 230V
 Phase..... Single
 Amps..... 22/11A
 Speed..... 1725 RPM
 Cycle..... 60 Hz
 Number of Speeds..... 1
 Power Transfer Direct Drive
 Bearings..... Special Explosion Proof

Main Specifications:

Operation Info

Air Suction Cap..... 1220 CFM
 First Stage Filter Micron..... 30
 Second Stage Filter Micron..... 10
 Third Stage Filter Micron..... 5
 Impeller Type..... Squirrel Cage
 Impeller Size..... 10-1/2 in.
 Inlet Hole Diameter..... 12 in.
 Outlet Size..... 10 in.



Filter Info

No. Of First Stage Filters.....	4
First Stage Filter Length.....	19-1/2 in.
First Stage Filter Width.....	15-1/2 in.
First Stage Filter Thickness.....	1-3/4 in.
No. Of Second Stage Filters.....	4
Second Stage Filter Length.....	19-1/2 in.
Second Stage Filter Width.....	15-1/2 in.
Second Stage Filter Thickness.....	1-3/4 in.
No. Of Third Stage Filters.....	1
Third Stage Filter Length.....	15-1/2 in.
Third Stage Filter Width.....	15-1/2 in.
Third Stage Filter Thickness.....	1-3/4 in.

Table Info

Table Size Length.....	19 in.
Table Size Width.....	34 in.
Floor To Table Height.....	42 in.

Construction Info

Frame.....	16 gauge Steel
Base.....	Steel Legs on Casters
Impeller.....	Aluminum
Table.....	14 gauge Steel
Side Wall.....	18 gauge Steel Frame
Filter.....	Pleated, Woven Fabric
Paint.....	Powder Coated

Other Specifications:

ISO Factory	ISO 9001
Country Of Origin	Taiwan
Warranty	1 Year
Serial Number Location	Data Label on Blower Housing
Assembly Time	1-1/2 hours
Sound Rating	75 - 76 dB

Features:

- Foldable Deflectors
- 3-Stage Filter System
- Lockable Casters
- UL Approved
- Aluminum Impeller
- USA Made Explosion Proof Motor



Identification

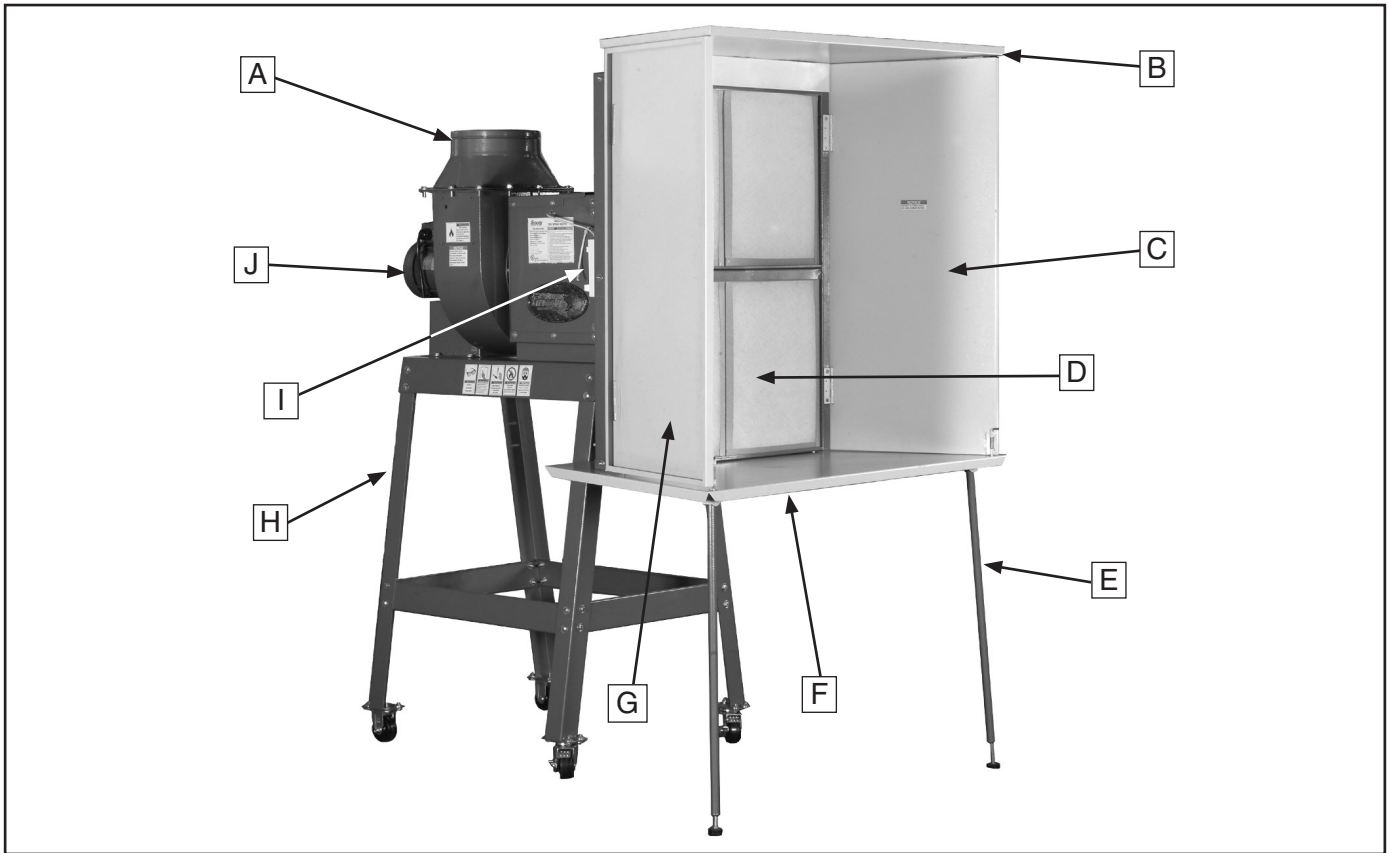


Figure 1. G0532 Identification.

- A. Exhaust Fan Outlet
- B. Top Curtain
- C. Right Curtain
- D. First Stage Filters
- E. Work Table Leg
- F. Work Table
- G. Left Curtain
- H. Stand Leg
- I. Filter Indicator
- J. Motor



SECTION 1: SAFETY


WARNING

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.

 **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 This symbol is used to alert the user to useful information about proper operation of the machine.

WARNING

Safety Instructions for Machinery

OWNER'S MANUAL. Read and understand this owner's manual **BEFORE** using machine. Untrained users can be seriously hurt.

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.

HAZARDOUS DUST. Dust 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 to reduce your risk.

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 avoid accidental slips which could cause a loss of workpiece control.

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.

MENTAL ALERTNESS. Be mentally alert when running machinery. Never operate under the influence of drugs or alcohol, when tired, or when distracted.



WARNING

DISCONNECTING POWER SUPPLY. Always disconnect machine from power supply before servicing, adjusting, or changing cutting tools (bits, blades, cutters, etc.). Make sure switch is in OFF position before reconnecting to avoid an unexpected or unintentional start.

APPROVED OPERATION. Untrained operators can be seriously hurt by machinery. Only allow trained or properly supervised people to use machine. When machine is not being used, disconnect power, remove switch keys, or lock-out machine to prevent unauthorized use—especially around children. Make workshop kid proof!

DANGEROUS ENVIRONMENTS. Do not use machinery in wet or rainy locations, cluttered areas, around flammables, or in poorly-lit areas. Keep work area clean, dry, and well-lighted to minimize risk of injury.

ONLY USE AS INTENDED. Only use machine for its intended purpose. Never modify or alter machine for a purpose not intended by the manufacturer or serious injury may result!

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

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

REMOVE ADJUSTING TOOLS. Never leave adjustment tools, chuck keys, wrenches, etc. in or on machine—especially near moving parts. Verify removal before starting!

SECURING WORKPIECE. When required, use clamps or vises to secure workpiece. A secured workpiece protects hands and frees both of them to operate the machine.

FEED DIRECTION. Unless otherwise noted, feed work against the rotation of blades or cutters. Feeding in the same direction of rotation may pull your hand into the cut.

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

GUARDS & COVERS. Guards and covers can protect you from accidental contact with moving parts or flying debris. Make sure they are properly installed, undamaged, and working correctly before using machine.

NEVER STAND ON MACHINE. Serious injury or accidental contact with cutting tool may occur if machine is tipped. Machine may be damaged.

STABLE MACHINE. Unexpected movement during operations greatly increases the risk of injury and loss of control. Verify machines are stable/secure and mobile bases (if used) are locked before starting.

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.

UNATTENDED OPERATION. Never leave machine running while unattended. Turn machine **OFF** and ensure all moving parts completely stop before walking away.

MAINTAIN WITH CARE. Follow all maintenance instructions and lubrication schedules to keep machine in good working condition. An improperly maintained machine may increase the risk of serious injury.

CHECK DAMAGED PARTS. Regularly inspect machine for damaged parts, loose bolts, mis-adjusted or mis-aligned parts, binding, or any other conditions that may affect safe operation. Always repair or replace damaged or mis-adjusted parts before operating machine.

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



WARNING

Additional Safety Instructions for Dry Spray Booths

CODES AND STANDARDS. Follow all local electrical, safety, and fire codes, National Fire Protection Association codes, the National Electrical Code, and the Occupational Safety and Health Act. Install your spray booth according to NFPA 33 and NEC 2005 standards.

EXHAUST FAN. Before using the spray booth, turn the exhaust fan ON and make sure it is operating correctly.

BOOTH INTERLOCK. A booth interlock, which disables spraying devices unless the exhaust fan is operating, may be required by local codes.

RESPIRATOR. Use an OSHA-approved paint spray respirator when spraying in the booth.

FILTER PAD REPLACEMENT. Do not operate the spray booth when the air filter indicator indicates the filter pad needs to be replaced.

MOTOR TYPE. Motors are for use in Class I, Division 1, Group D Hazardous Locations and should be installed in areas where paints, solvents and other materials are for Group D only.

FLAMMABLE MATERIAL DISPOSAL. Safely and properly dispose used filters or paint-contaminated items.

DUCTING EXHAUST. Do not operate the spray booth unless exhaust air has been properly ducted away from the work area to the outdoors using 20 gauge spiral welded or 18 gauge rolled galvanized steel ducts, lapped in the direction of the air flow, and using steel fasteners only.

RECIRCULATING EXHAUST. Do not place the exterior exhaust vent near air conditioning intakes, windows, or anything else that may recirculate exhaust indoors.

VOC REDUCTION. This spray booth is designed to only remove particulate matter. Additional optional equipment or coating reformulation will be necessary to reduce volatile organic compounds.

FIRE PROTECTION. This spray booth must be protected by an approved automatic fire protection system in accordance with Chapter 7 of NFPA 33.

WARNING

Like all machines there is danger associated with the Model G0532. Accidents are frequently caused by lack of familiarity or failure to pay attention. Use this machine with respect and caution to lessen the possibility of operator injury. If normal safety precautions are overlooked or ignored, serious personal injury may occur.

CAUTION

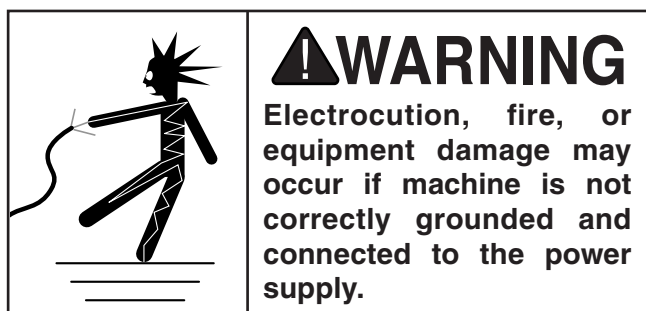
No list of safety guidelines can be complete. Every shop environment is different. Always consider safety first, as it applies to your individual working conditions. Use this and other machinery with caution and respect. Failure to do so could result in serious personal injury, damage to equipment, or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



SECTION 2: 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 a qualified electrician in accordance with all applicable codes and standards.



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 at 230V 11 Amps

Full-Load Current Rating at 115V 22 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 requirements in the following section.

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.)



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

Circuit Requirements for 230V

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

Nominal Voltage 220V/240V
Cycle 60 Hz
Phase Single-Phase
Circuit Rating 15 Amps

Circuit Requirements for 115V

This machine can be converted to operate on a 110V power supply (refer to **Voltage Conversion** instructions) that has a verified ground and meets the following requirements:

Nominal Voltage 110V/120V
Cycle 60 Hz
Phase Single-Phase
Circuit Rating 30 Amps



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.

WARNING

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

Connection Type

We recommend that you hardwire the dry spray booth directly to your circuit breaker. The ON/OFF switch must be installed a minimum of 10 feet from the booth unless specified for hazardous locations per NFPA 33 and NEC 2005.

It is the customer's responsibility to install wiring and a switch in the G0532. Because of the fire/explosion hazard potential of spray booths, you **MUST** have a qualified electrician connect the switch to the motor and hardwire the switch to a power source per NFPA 33 and NEC regulations, as well as all local and state regulations governing spray booths. Consult your local fire department for more information.

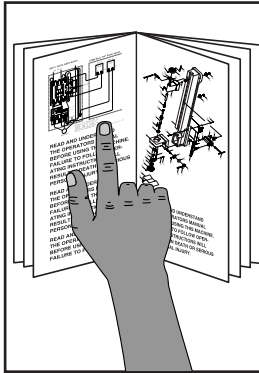
Voltage Conversion

The voltage conversion **MUST** be performed by a qualified electrician. To perform the voltage conversion, rewire the motor to the new voltage, according to the provided wiring diagram.

Important: *If the diagram included on the motor conflicts with the one in this manual, the motor may have changed since the manual was printed. Use the diagram provided on the motor.*

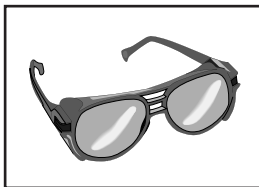


SECTION 3: SET UP



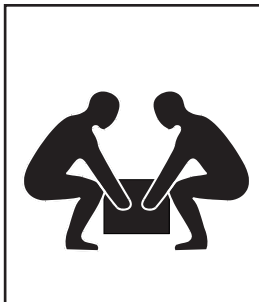
!WARNING

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

This machine and its components are very heavy. Get lifting help or use power lifting equipment such as a forklift to move heavy items.

Needed for Set Up

The following are needed to complete the set up process, but are not included with your machine:

DESCRIPTION

Qty

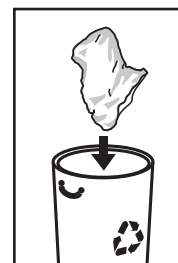
- Assistant..... 1
- Safety Glasses (for each person)..... 1
- Phillips Head Screwdriver..... 1
- Open-End Wrench 7/16" 1
- Open-End Wrench 1/2" 1
- Open-End Wrench 9/16" 1
- Ducting (length as needed, **Page 19**) 1
- Switch and Wiring (As per NFPA 33 and NEC regulations)

Unpacking

Your machine was carefully packaged for safe transportation. Remove the packaging materials from around your machine and inspect it. If you discover any damage, *please call us immediately at (570) 546-9663 for advice.*

Save the containers and all packing materials for possible inspection by the carrier or its agent. *Otherwise, filing a freight claim can be difficult.*

When you are completely satisfied with the condition of your shipment, inventory the contents.



!WARNING

SUFFOCATION HAZARD!

Keep children and pets away from plastic bags or packing materials unpacked with this machine. Discard immediately.



Inventory

The following is a description of the main components shipped with your machine. Lay the components out to 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.

Shipping Inventory (Figure 2)	Qty
A. Exhaust Fan	1
B. Left Curtain.....	1
C. Right Curtain	1
D. Work Table	1
E. Long Leg Supports.....	2
F. Short Leg Supports	2
G. Upper and Lower Skew Boards	2
H. Right and Left Skew Boards.....	2
I. Outlet.....	1
J. Air Filter Indicator (Manometer).....	1
K. Large Braces	4
L. Top Curtain.....	1
M. Small Braces	4
N. Legs.....	4
O. Middle Brace	1
P. Second Stage Filter	4
Q. First Stage Filter	4
R. Third Stage Filter	1

S. Curtain Braces (Not Shown).....	2
T. Work Table Legs	2

Hardware and Tools (Not Shown)

- Hex Bolts $\frac{3}{8}$ "-16 x $\frac{3}{4}$ " (Stand) 32
- Flat Washers $\frac{3}{8}$ " (Stand)..... 64
- Hex Nuts $\frac{3}{8}$ "-16 (Stand) 32
- Swivel Casters (Stand) 2
- Fixed Casters (Stand)..... 2
- Hex Nuts $\frac{5}{16}$ "-18 (Stand, Skew Boards) 25
- Hex Bolts $\frac{5}{16}$ "-18 x $\frac{3}{4}$ " (Stand, Skew Boards, Outlet) 35
- Flat Washers $\frac{5}{16}$ " (Stand, Skw Bd, Outlet).. 60
- Flat Hd Screws $\frac{1}{4}$ "-20 x $\frac{5}{8}$ " (Skew Boards, Work Table, Curtains).....36
- Hex Nuts $\frac{1}{4}$ "-20 (Skew Boards, Work Table, Curtains)..... 60
- Flat Washers $\frac{1}{4}$ " (Skew Boards, Work Table, Curtains)..... 84
- Hex Bolts $\frac{1}{4}$ "-20 x $\frac{1}{2}$ " (Skew Boards) 24
- Tubing (Manometer) 2
- Tubing Connector Fitting (Manometer)..... 1
- Plastic Clip (Manometer) 1
- Tap Screw M4 x 12 (Manometer) 1
- Tap Screws M4 x 45 (Manometer) 2
- Red Gauge Oil (Manometer) 1
- Outlet Gasket (Outlet)..... 1
- Arrow Labels (Red and Green) 2

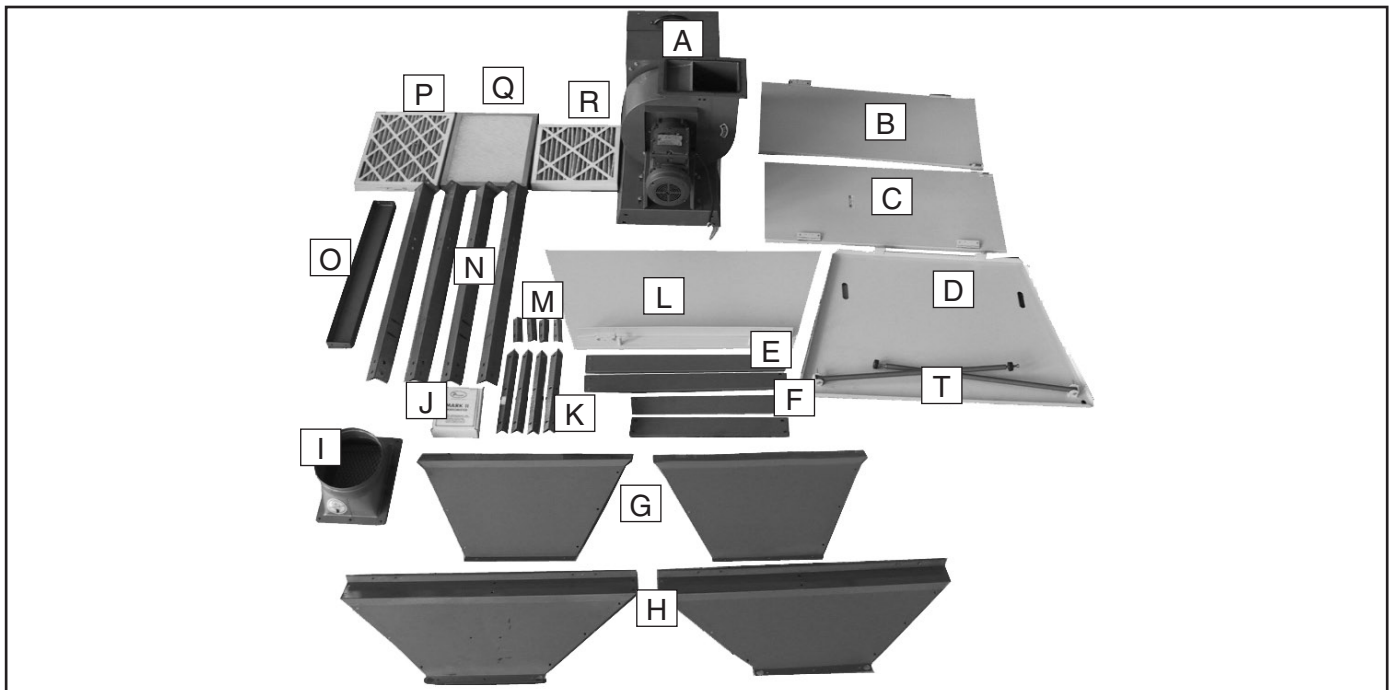


Figure 2. Model G0532 Inventory.



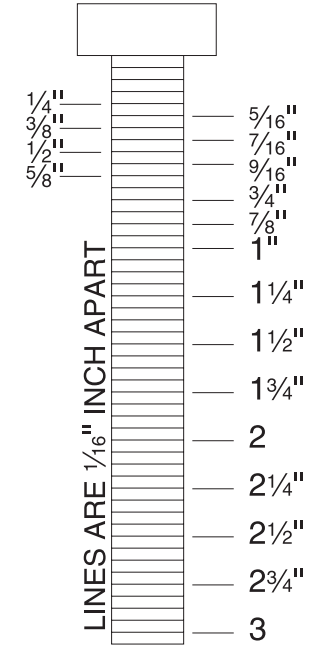
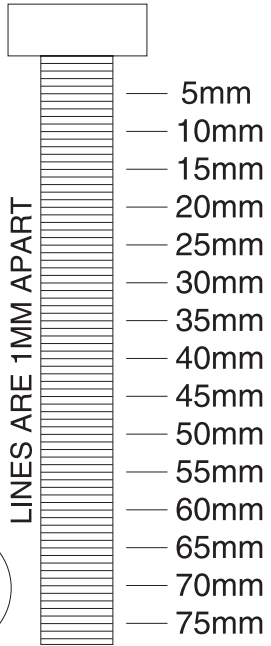
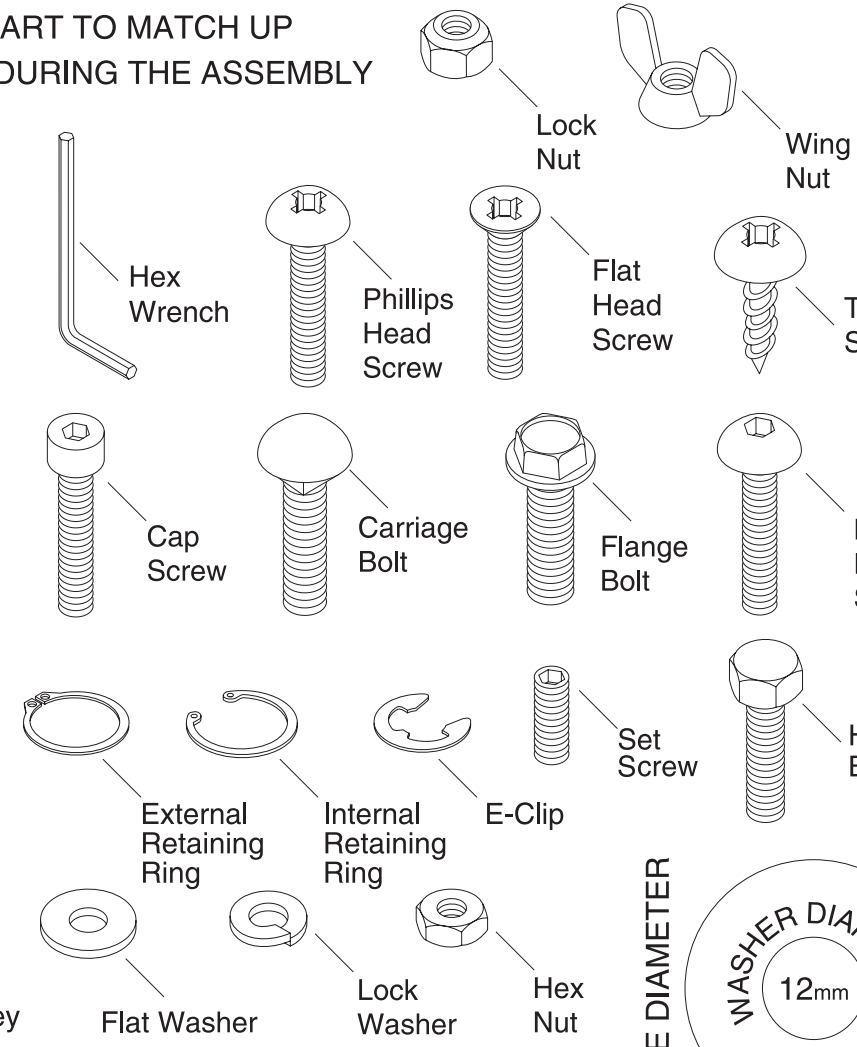
Hardware Recognition Chart

USE THIS CHART TO MATCH UP HARDWARE DURING THE ASSEMBLY PROCESS.

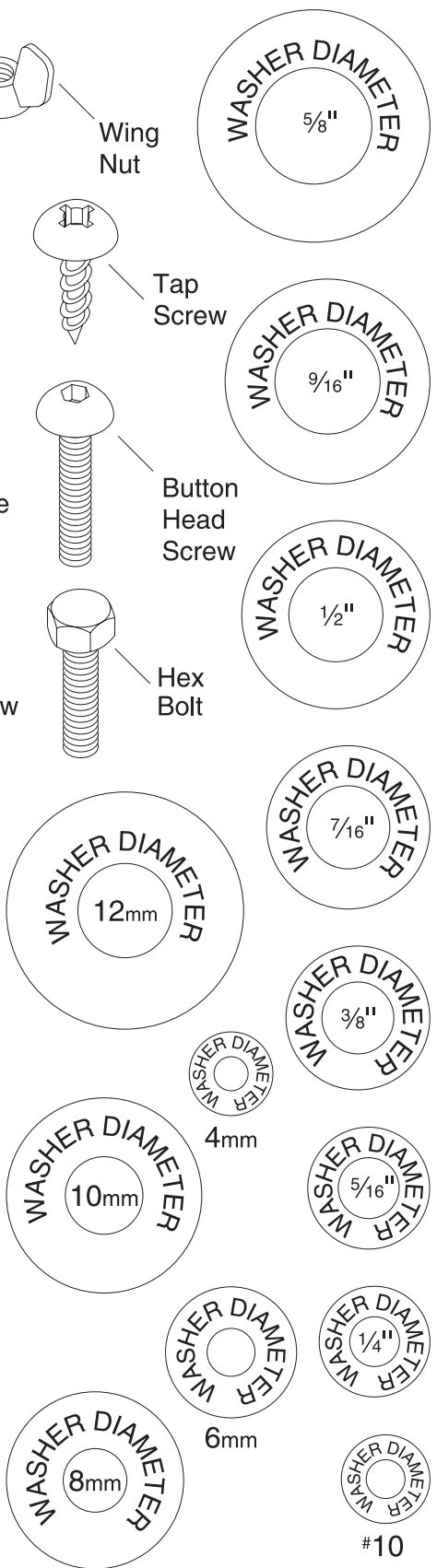
MEASURE BOLT DIAMETER BY PLACING INSIDE CIRCLE

- #10
- 1/4"
- 5/16"
- 3/8"
- 7/16"
- 1/2"

- 4mm
- 6mm
- 8mm
- 10mm
- 12mm
- 16mm



WASHERS ARE MEASURED BY THE INSIDE DIAMETER



Site Considerations

Floor Load

Refer to the **Machine Data Sheet** for the weight and footprint specifications of your machine. Some floors may require additional reinforcement to support both the machine and operator.

Working Clearances

Consider existing and future needs, size of material to be processed through each machine, and space for auxiliary stands, work tables or other machinery when establishing a location for your new machine. Make a note of the exhaust fan location. (See **Safety** on **Page 8**.) See **Figure 3** for the minimum working clearances.

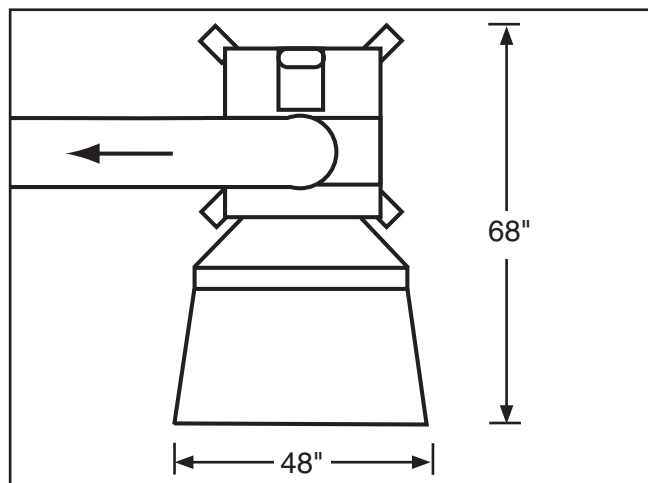


Figure 3. Minimum working clearances (top view).

	<p>⚠ CAUTION</p> <p>Unsupervised children and visitors inside your shop could cause serious personal injury to themselves. Lock all entrances to the shop when you are away and DO NOT allow unsupervised children or visitors in your shop at any time!</p>
---	--

Stand

To install the support legs:

1. Carefully place the exhaust fan on its side on the floor.
2. Place a leg over opposite corners of the exhaust fan and fasten each leg with four $\frac{3}{8}$ "-16 x $\frac{3}{4}$ " hex bolts, eight flat washers and four hex nuts as shown in **Figure 4**.

Note: Do not completely tighten the hardware at this time.

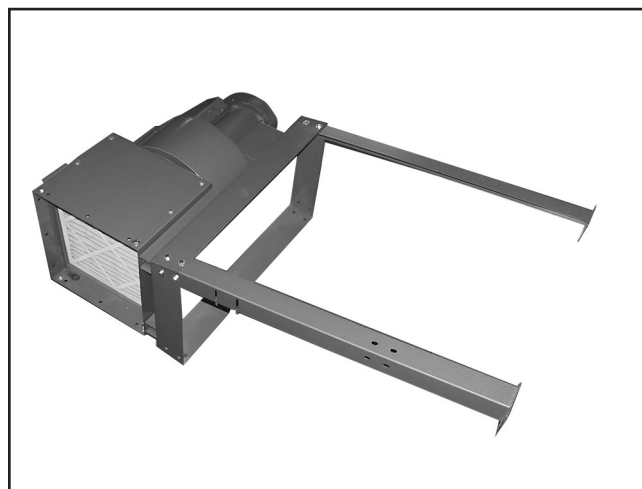


Figure 4. Legs installed onto exhaust fan.

3. Fasten a long leg support (**Figure 5**) to the two legs with four $\frac{3}{8}$ "-16 x $\frac{3}{4}$ " hex bolts, eight flat washers and four hex nuts.

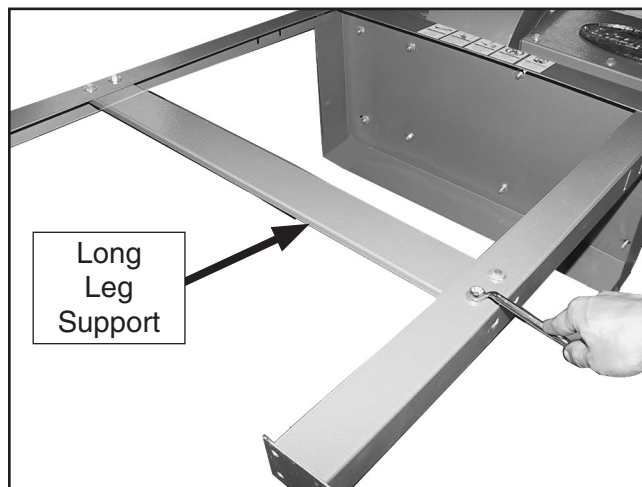


Figure 5. Installing a long leg support.



4. With the help of an assistant, turn the exhaust fan onto its opposite side.
5. Install the other two legs and a long leg support on the other side of the exhaust fan, repeating **Steps 2-3**.

Note: Do not completely tighten the hardware at this time.

6. Fasten a short leg support (**Figure 6**) to two legs with four $\frac{3}{8}$ "-16 x $\frac{3}{4}$ " hex bolts, eight flat washers and four hex nuts.
7. Repeat **Step 6** to install the second short leg support. The stand assembly should now look like the example shown in **Figure 6**.

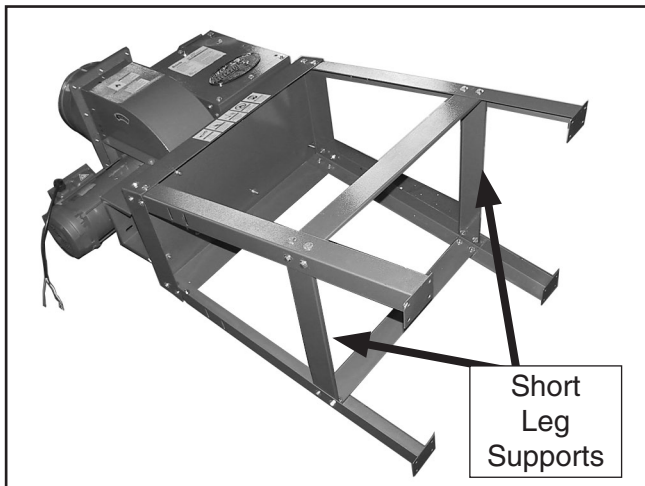


Figure 6. Short leg supports installed.

8. To install casters onto the legs, go to **Step 9**. If you prefer not to install casters, go to **Step 10**.
9. Fasten each of the four casters to the bottom of each of the legs with four $\frac{5}{16}$ "-18 x $\frac{3}{4}$ " hex bolts, eight flat washers and four hex nuts. Install the fixed casters in front and the swivel casters in back.
10. With the help of an assistant, raise the exhaust fan off of the floor and tighten all hardware.
11. Proceed to **Skew Boards on this page**.

Skew Boards

To install the skew boards and braces:

1. Secure the right skew board (**Figure 7**) to the exhaust fan with three $\frac{5}{16}$ "-18 x $\frac{3}{4}$ " hex bolts, six flat washers, and three hex nuts.

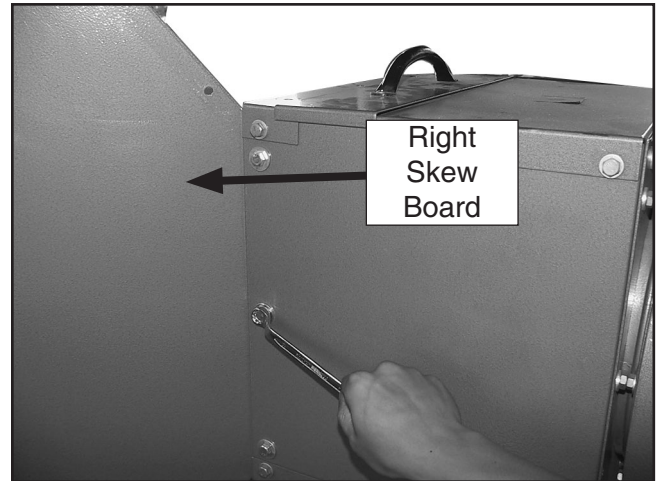


Figure 7. Installing right skew board.

Note: Do not completely tighten hardware at this time.

2. Repeat **Step 1** to install the left skew board on the opposite side of the exhaust fan.
3. Fasten the upper skew board to the top of the exhaust fan with three $\frac{5}{16}$ "-18 x $\frac{3}{4}$ " hex bolts, six flat washers and three hex nuts, as shown in **Figure 8**.

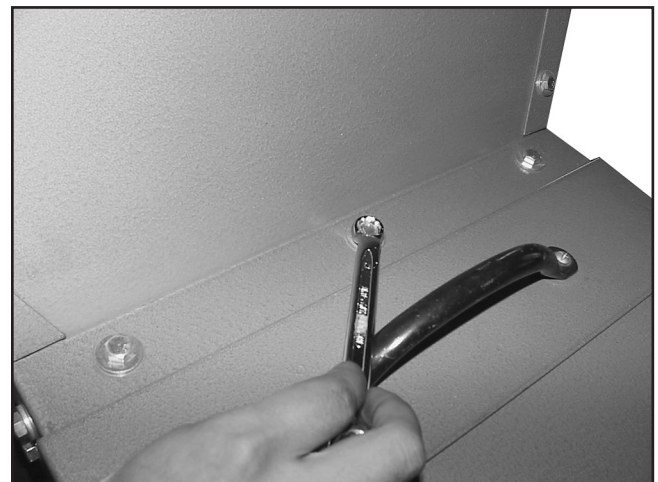


Figure 8. Installing upper skew board.



- Remove the two $\frac{5}{16}$ "-18 x 3" hex bolts shown in **Figure 9**.

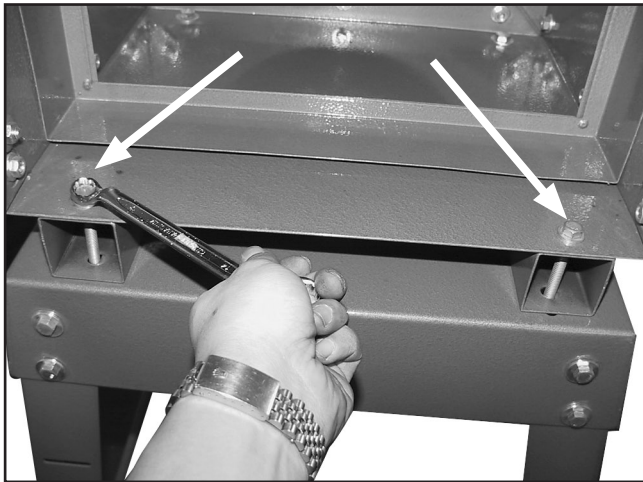


Figure 9. Removing hex bolts.

- Align the lower skew board mounting holes with those on the exhaust fan and secure with the bolts removed in **Step 4**, four flat washers, and two hex nuts.
- Fasten a large brace over the seam of the right and upper skew boards (**Figure 10**), using six $\frac{1}{4}$ "-20 x $\frac{1}{2}$ " hex bolts, 12 flat washers and six hex nuts.

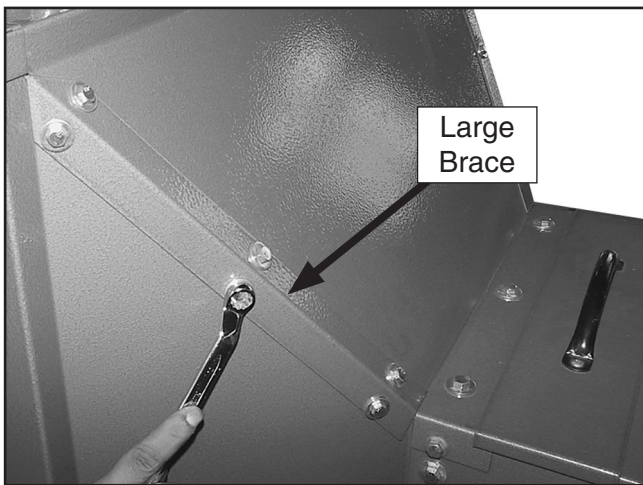


Figure 10. Installing large brace over skew board seams.

- Fasten the three remaining large braces over the rest of the skew board seams, repeating **Step 6** for each.

- Place a small brace over the seam of the skew boards shown in **Figure 11** and fasten with four $\frac{1}{4}$ "-20 x $\frac{5}{8}$ " flat head screws, four flat washers, and four hex nuts.

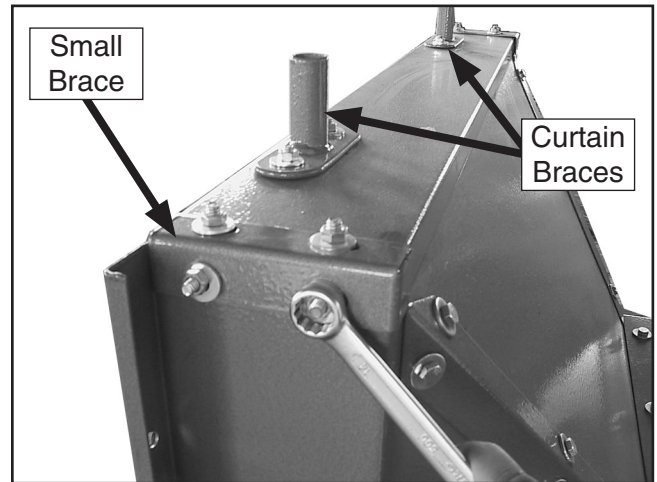


Figure 11. Installing small brace.

- Install the three remaining small braces over the other corners, repeating **Step 8**.
- Install the curtain braces with four $\frac{1}{4}$ "-20 x $\frac{5}{8}$ " flat head screws, flat washers, and hex nuts as shown in **Figure 11**.
- Place the middle brace between the right and left skew boards, align the mounting holes, and fasten each side with two $\frac{1}{4}$ "-20 x $\frac{5}{8}$ " flat head screws, two flat washers and two hex nuts as shown in **Figure 12**.

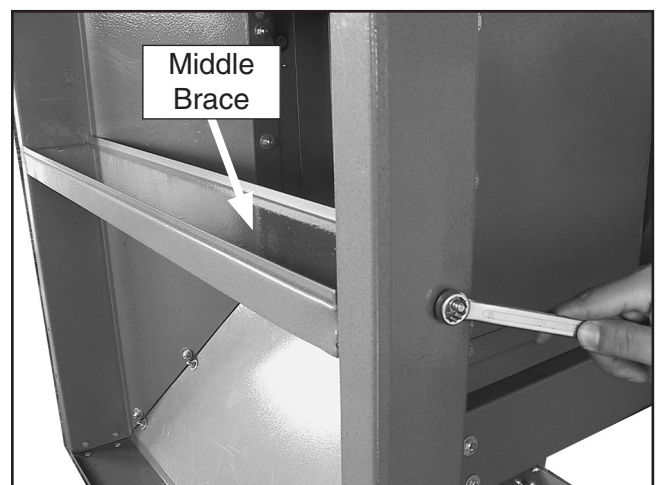


Figure 12. Installing middle brace.

- Completely tighten all hardware now.



Work Table

The legs need to be attached to the work table before the table is mounted to the spray booth.

To install the work table:

1. Place the work table upside down on a flat surface and remove the hex bolts, hex nuts and flat washers from the work table brackets (see **Figure 13**).

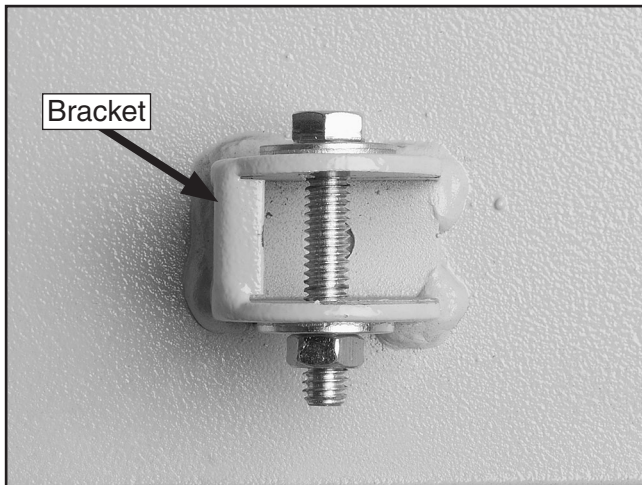


Figure 13. Work table bracket.

2. Insert a leg into a bracket and align the mounting holes, as shown in **Figure 14**.

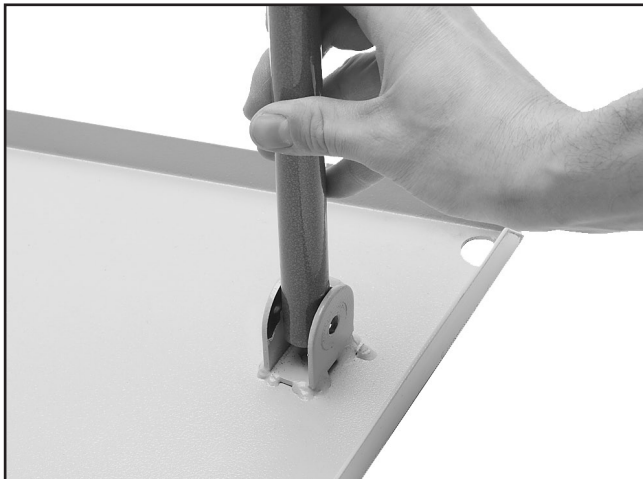


Figure 14. Installing table leg.

3. Secure the leg with the hardware removed in **Step 1**, as shown in **Figure 15**.

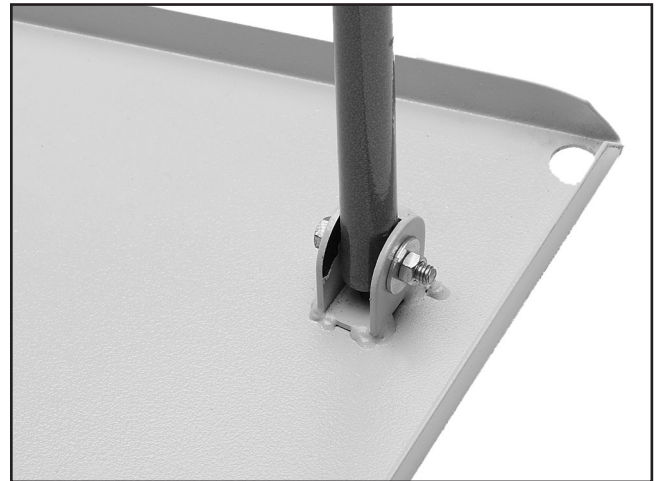


Figure 15. Leg secured.

4. Repeat **Steps 1-3** for the opposite leg.
5. Fasten the work table hinges to the holes on the front legs (see **Figure 16**) using four $\frac{1}{4}$ "-20 x $\frac{5}{8}$ " flat head screws, four flat washers, and four hex nuts.



Figure 16. Installing table.



Curtains

To install the curtains:

1. Fasten the upper and lower hinges (**Figure 17**) on the left curtain to the left skew board with four $\frac{1}{4}$ " -20 x $\frac{5}{8}$ " flat head screws, four flat washers and four hex nuts.

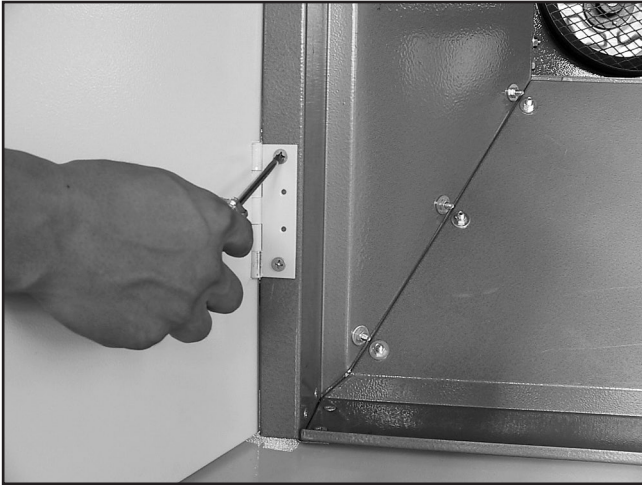


Figure 17. Installing left curtain.

2. Repeat **Step 1** to install the right side curtain onto the right skew board.
3. Insert the top curtain sockets into the connection bars as shown in **Figure 18**.

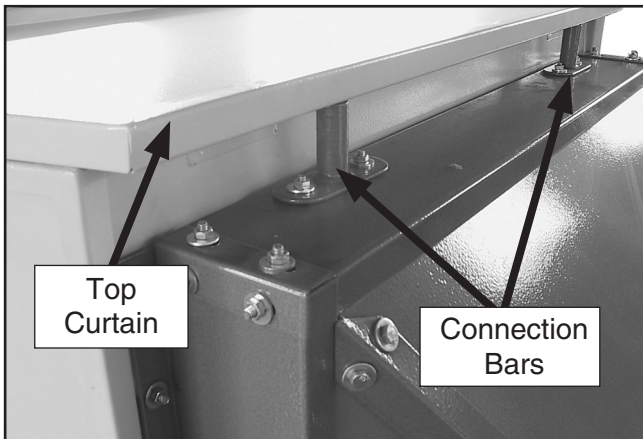


Figure 18. Top curtain and connection bars.

Filters

To install the filters:

1. Install the four second-stage filters above and below the middle brace on the inner rail as shown in **Figure 19**.



Figure 19. Second stage filters.

2. Install the four first stage air filters on the outer rail as shown in **Figure 20**.



Figure 20. First stage filters.



3. Insert the third stage filter into the filter drawer as shown in **Figure 21**.

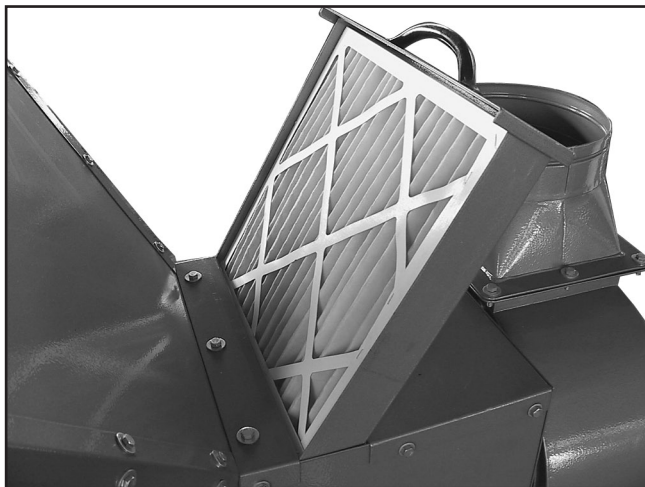


Figure 21. Third stage filter.

Exhaust Fan Outlet

To install the outlet:

1. Place the outlet gasket between the outlet and exhaust fan, and secure with ten $\frac{5}{16}$ "-18 x $\frac{3}{4}$ " hex bolts and flat washers as shown in **Figure 22**.

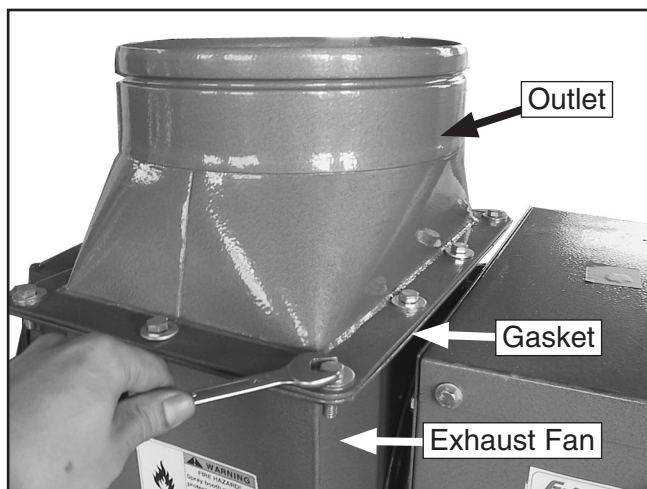


Figure 22. Installing outlet.

Table & Curtain Adjustments

To adjust the legs and secure the curtains:

1. Reach under the work table and fully extend the two support legs to support the work table.
2. Lock the latches on the bottom of each curtain into the work table, as shown in **Figure 23**.



Figure 23. Locking curtain latches.

Ducting

The G0532 dry spray booth must be vented to the outside of your shop or building using 10" metal spiral wound ducting or 18 gauge rolled galvanized steel ducts in accordance with NFPA 33 guidelines.



Air Filter Indicator

To install the air filter indicator:

1. Mount the manometer to the side of the spray booth using the M4 x 45 tap screws as shown in **Figure 24**.

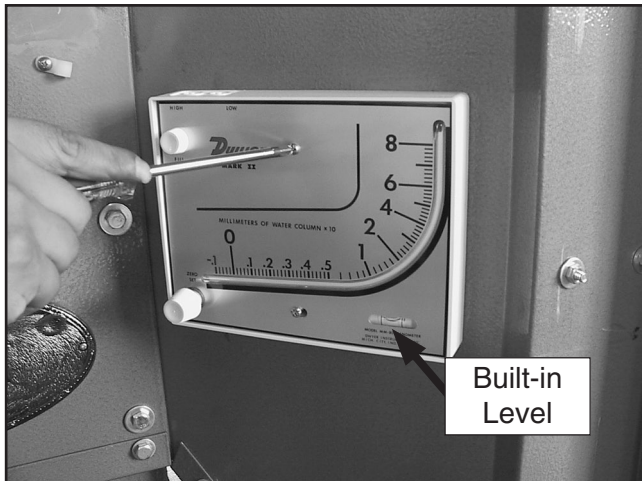


Figure 24. Mounting manometer to spray booth.

2. Adjust the manometer so the built-in level reads level (**Figure 24**).
3. Install a tubing connector fitting in the larger pre-drilled hole on the side of the booth near the manometer as shown in **Figure 25**.

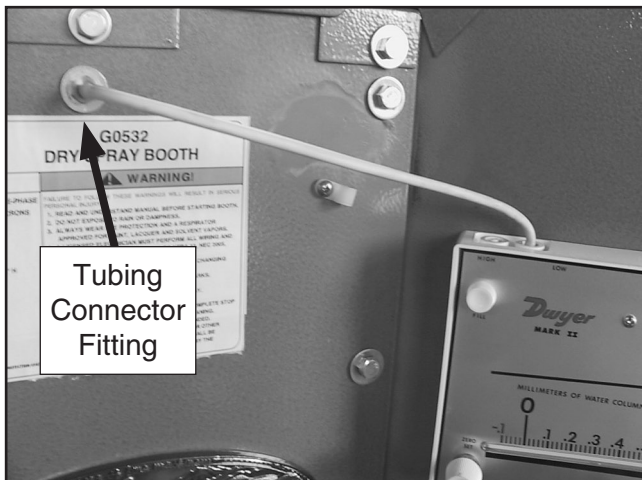


Figure 25. Tubing installed onto spray booth chamber.

4. Run tubing from the low pressure side (-) of the manometer to the tubing connector fitting as shown in **Figure 25**.
5. Install tubing onto the high pressure side (+) of the manometer and secure it with the plastic clip and M4 x 12 tap screw as shown in **Figure 26**.



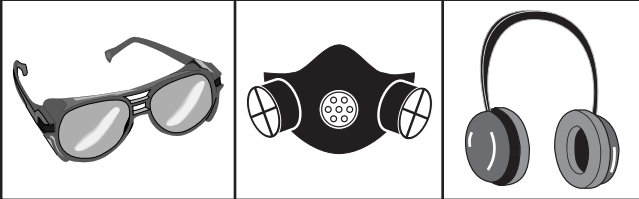
Figure 26. Tubing secured with clip.



SECTION 4: OPERATIONS

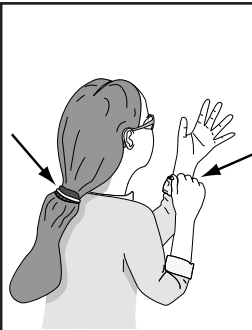
! WARNING

Damage to your eyes, lungs, and ears could result from using this machine without proper protective gear. Always wear safety glasses, a respirator, and hearing protection when operating this machine.



! WARNING

Loose hair and clothing could get caught in machinery and cause serious personal injury. Keep loose clothing and long hair away from moving machinery.



NOTICE

If you have never used this type of machine or equipment before, WE STRONGLY RECOMMEND that you read books, trade magazines, or get formal training before beginning any projects. Regardless of the content in this section, Grizzly Industrial will not be held liable for accidents caused by lack of training, neglect or misuse.

Filter Indicator

NOTICE: Never operate the spray booth without all of the air filters installed!

To fill the air filter indicator (manometer):

1. Turn the spray booth **OFF!**
2. DISCONNECT THE POWER!
3. Check to make sure the manometer body is level. Adjust as needed.
4. Rotate the zero adjustment knob counter-clockwise (**Figure 27**) until it stops, then turn it clockwise three turns.

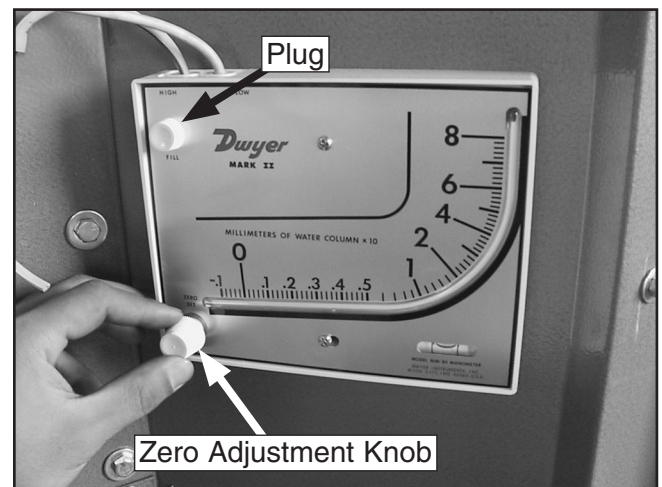


Figure 27. Air filter indicator controls.

5. Remove the plug (**Figure 27**) and fill the chamber with the included red gauge oil until the fluid level reaches zero on the indicator. Minor fluid level adjustments can be made using the zero adjustment knob.

Note: Only use Dwyer® red gauge oil to fill the manometer. If you need additional oil, order Grizzly part number P0532095.



6. With new filters installed, turn the spray booth **ON**, observe the rise in the reading, and mark with the supplied green arrow, as shown in **Figure 28**.



Figure 28. New filter installation mark example.

7. Multiply the reading from **Step 6** times 2 (2x) and mark with the supplied red arrow (see **Figure 29**). This is the dirty filter indicator mark. When the fluid reaches the red arrow, install new filters.

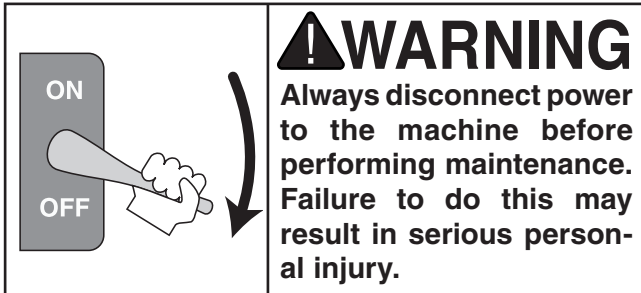


Figure 29. Dirty filter mark example.

Note: Always make sure the fluid level is at zero before using the spray booth each time. Also, check the fluid level on a regular basis and re-fill as needed.



SECTION 5: MAINTENANCE



Schedule

How often you perform maintenance checks depends upon the material type and amount being sprayed. Checking at regular intervals can reduce fire hazards, maintain spray booth efficiency, prevent newly painted objects from blemishing, and hinder rust.

Exhaust Fan and Motor

Do not allow paint overspray to build up on the exhaust fan, as overspray deposits will hinder booth airflow. Remove overspray deposits as soon as possible with heavy-duty paint remover to keep the fan in balance. Remove and clean the fan as needed, but do not hammer or step on the fan, as it could be easily damaged. Always disconnect the machine from the power source, and turn **OFF** the breaker before accessing the fan compartment.

Never operate the exhaust fan without ducting installed.

Ducting

Do not allow overspray to build up inside duct walls. Remove overspray as soon as possible with heavy-duty paint remover, when it builds up, to prevent a possible fire hazard.

Model G0532 (Mfg. Since 3/11)



Air Filter Indicator

Check the air filter indicator fluid level periodically and refill as needed with Dwyer® red gauge oil. Clean the indicator with a soft, damp cloth.

Interior Booth Walls

Do not allow overspray to build up on inner booth walls. Remove overspray deposits as soon as possible to prevent a possible fire hazard. Use a non-ferrous, non-sparking scraper to eliminate the possibility of igniting combustible material. Do not leave heaps of paint sweepings in the booth, as these could also cause a fire hazard.

The following products, which are available from a variety of manufacturers, can make it easier to keep the booth clean: special flame-resistant paper, a pre-coating, or clear peel. Consult the manufacturer for more information about product installation.

Exhaust Filters

Replace filters when the filter indicator shows they need to be changed.

The following replacement filters are available for the Model G0532:

- H5837, 30 micron first stage filter
- H5838, 10 micron second stage filter
- H5839, 5 micron third stage filter

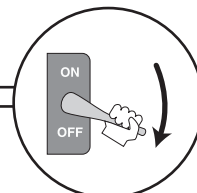
Immediately remove used filters from the booth and place them in a safe location far away from the booth. Or place them in a water-filled metal container to prevent a fire hazard. Disposal varies depending on the type of paint being captured. Consult local authorities for storage and disposal recommendations.

SECTION 6: SERVICE

Review the troubleshooting and 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 at (570) 546-9663.

Note: Please gather the serial number and manufacture date of your machine before calling.

Troubleshooting



Motor and Electrical

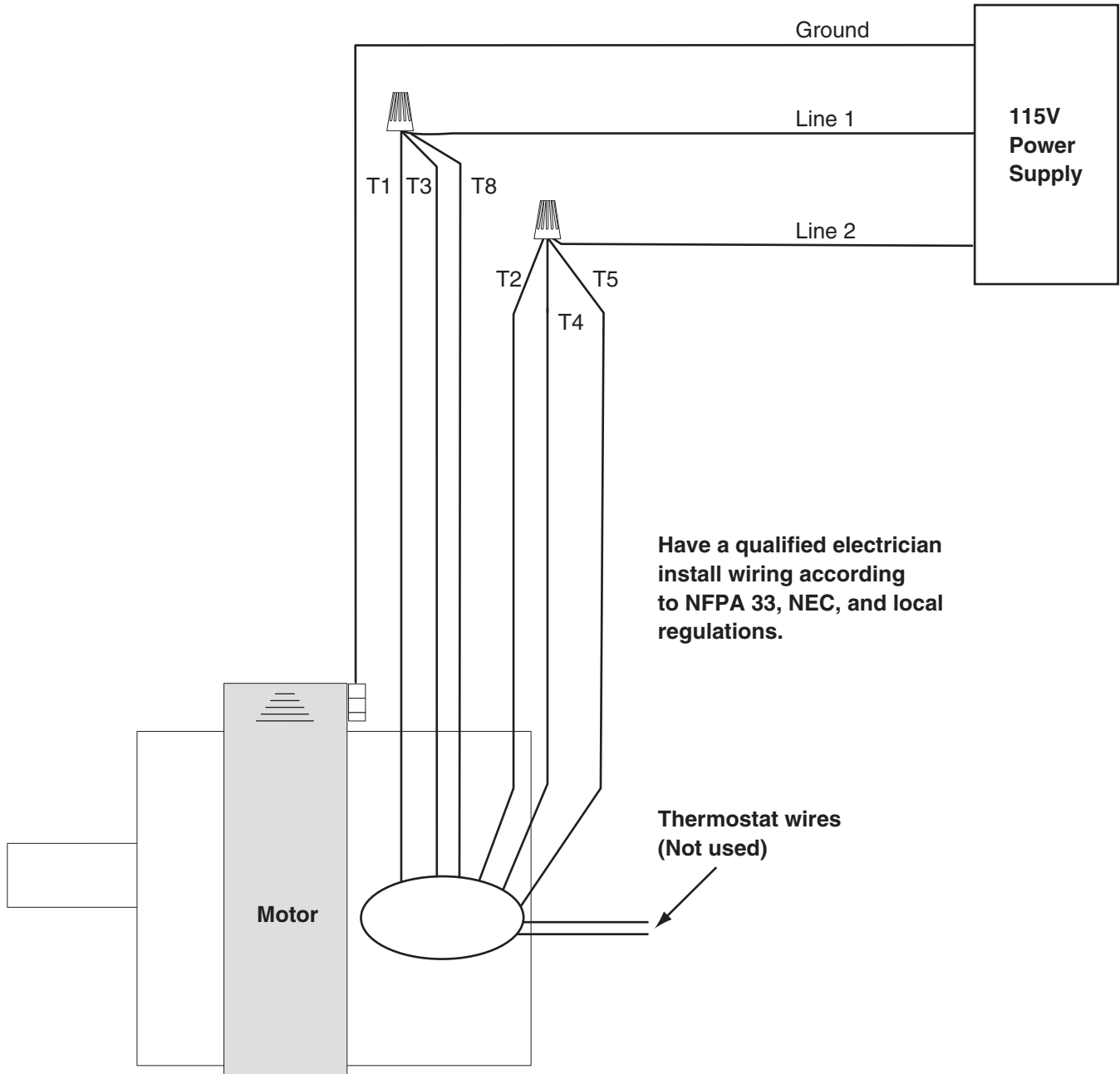
SYMPTOM	POSSIBLE CAUSE	POSSIBLE SOLUTION
Reduced performance with new filters.	1. Paint build-up on exhaust fan blades or exhaust duct.	1. Check exhaust fan blades and exhaust duct and, if needed, clean with heavy-duty paint remover. (See Page 23.)
Motor producing unusual noise or vibrations.	1. Motor mounting hardware loose or fan loose.	1. Tighten motor mounting hardware. Tighten fan.

Spray Booth Operations

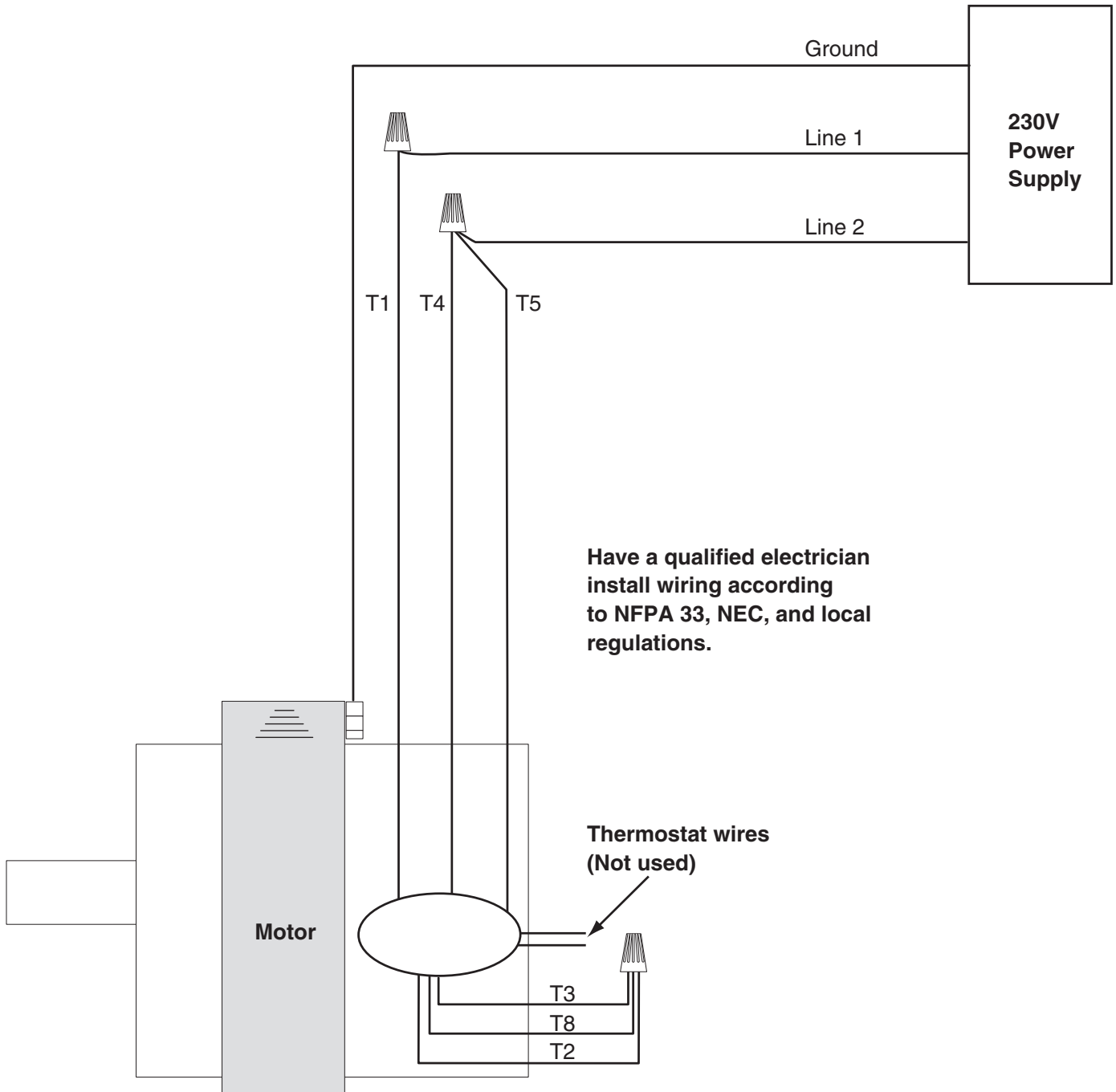
SYMPTOM	POSSIBLE CAUSE	POSSIBLE SOLUTION
Too little airflow in booth.	<ol style="list-style-type: none"> 1. The filter is dirty. 2. Obstructions exist in front of the filters. 3. Filters do not meet design specifications. 4. Fan is dirty. 5. Filters not installed correctly. 	<ol style="list-style-type: none"> 1. Change the filters. 2. Remove obstructions. 3. Change filters to meet correct specifications. 4. Clean fan. 5. Make sure all filters are installed and properly seated.
Too much airflow in booth.	<ol style="list-style-type: none"> 1. Filters are not correctly seated. 	<ol style="list-style-type: none"> 1. Make sure all filters are installed and properly seated.
The filter indicator does not work properly.	<ol style="list-style-type: none"> 1. Fluid level is low. 2. Obstructions exist in hoses. 3. Air filter indicator is not level. 	<ol style="list-style-type: none"> 1. Check fluid level and add fluid as needed. 2. Remove obstructions from hoses. 3. Loosen manometer mounting hardware, level using sight glass, and tighten mounting hardware.



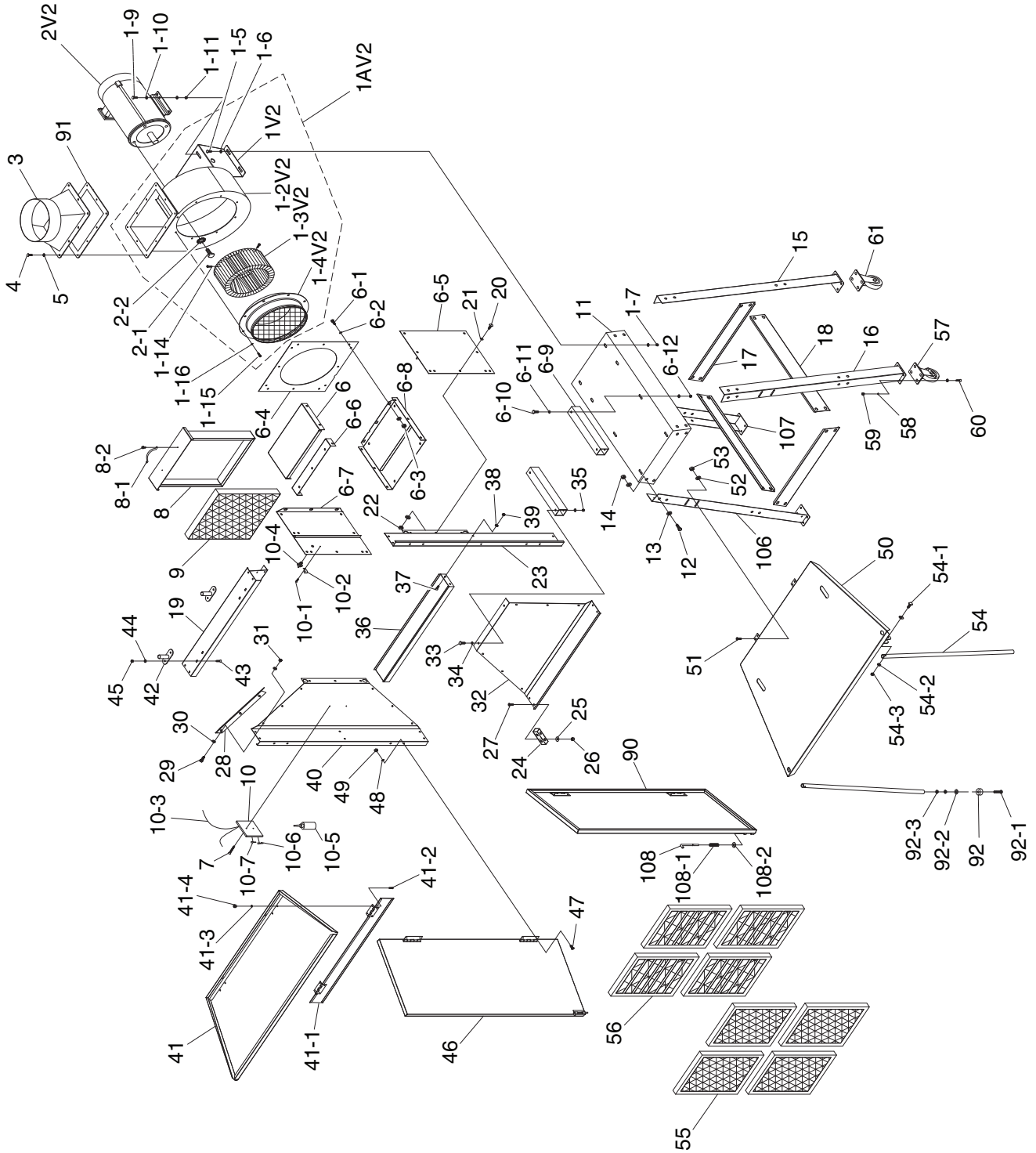
115V Wiring Diagram



230V Wiring Diagram



Main Parts Breakdown



Main Parts List

REF	PART #	DESCRIPTION
1AV2	P0532001AV2	BLOWER HOUSING ASSEMBLY
1V2	P0532001V2	MOTOR SUPPORT BASE V2.03.11
1-2V2	P0532001-2V2	EXHAUST FAN HOUSING V2.03.11
1-3V2	P0532001-3V2	IMPELLER V2.03.11
1-4V2	P0532001-4V2	INTAKE PORT V2.03.11
1-5	PB21	HEX BOLT 3/8-16 X 3/4
1-6	PW02	FLAT WASHER 3/8
1-7	PN08	HEX NUT 3/8-16
1-9	PB21	HEX BOLT 3/8-16 X 3/4
1-10	PW02	FLAT WASHER 3/8
1-11	PN08	HEX NUT 3/8-16
1-14	PB21	HEX BOLT 3/8-16 X 3/4
1-15	PB07	HEX BOLT 5/16-18 X 3/4
1-16	PW07	FLAT WASHER 5/16
2V2	P0532002V2	MOTOR 2HP 115/230V T2C V2.03.11
2-1	PB52	HEX BOLT 1/2-13 X 1
2-2	PTLW04	EXT TOOTH WASHER 1/2
3	P0532003	OUTLET 10"
4	PB07	HEX BOLT 5/16-18 X 3/4
5	PW07	FLAT WASHER 5/16
6	P0532006	FILTER BOX COVER LARGE
6-1	PB07	HEX BOLT 5/16-18 X 3/4
6-2	PW07	FLAT WASHER 5/16
6-3	PN02	HEX NUT 5/16-18
6-4	P0532006-4	BACK FILTER BOX BOARD
6-5	P0532006-5	RIGHT FILTER BOX BOARD
6-6	P0532006-6	SMALL FILTER BOX COVER
6-7	P0532006-7	LEFT FILTER BOX BOARD
6-8	P0532006-8	FILTER BOX BOARD BASE
6-9	P0532006-9	FILTER BOX BASE
6-10	PB60	HEX BOLT 3/8-16 X 3
6-11	PW02	FLAT WASHER 3/8
6-12	PN08	HEX NUT 3/8-16
7	PHTEK46M	TAP SCREW M4 X 45
8	P0532008	FILTER DRAWER
8-1	P0532008-1	DRAWER HANDLE
8-2	PS37M	PHLP HD SCR M6-1 X 6
9	P0532009	5 MICRON THIRD STAGE FILTER
10	P0532010	AIR FILTER INDICATOR
10-1	PHTEK39M	TAP SCREW M4 X 12
10-2	P0532010-2	CLIP PLASTIC
10-3	P0532010-3	TUBING
10-4	P0532010-4	TUBE CONNECTOR FITTING
10-5	P0532010-5	RED GAUGE OIL
10-6	P0532010-6	GREEN ARROW LABEL
10-7	P0532010-7	RED ARROW LABEL
11	P0532011	EXHAUST FAN BASE
12	PB21	HEX BOLT 3/8-16 X 3/4
13	PW02	FLAT WASHER 3/8
14	PN08	HEX NUT 3/8-16
15	P0532015	RIGHT REAR LEG
16	P0532016	RIGHT FRONT LEG
17	P0532017	SHORT LEG SUPPORT
18	P0532018	LONG LEG SUPPORT
19	P0532019	UPPER SKEW BOARD
20	PB07	HEX BOLT 5/16-18 X 3/4
21	PW07	FLAT WASHER 5/16
22	PN02	HEX NUT 5/16-18

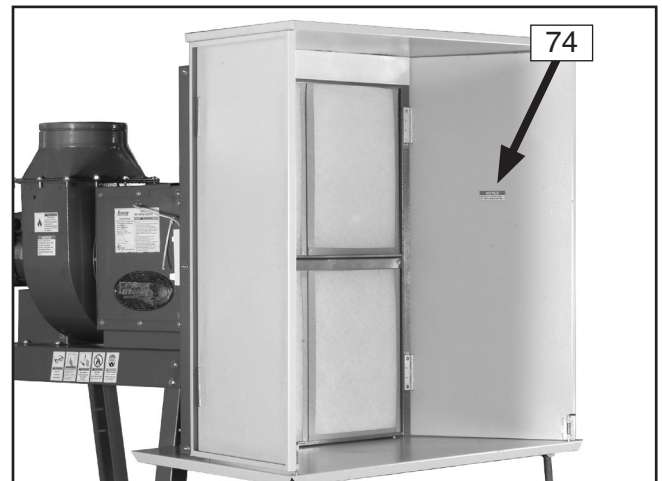
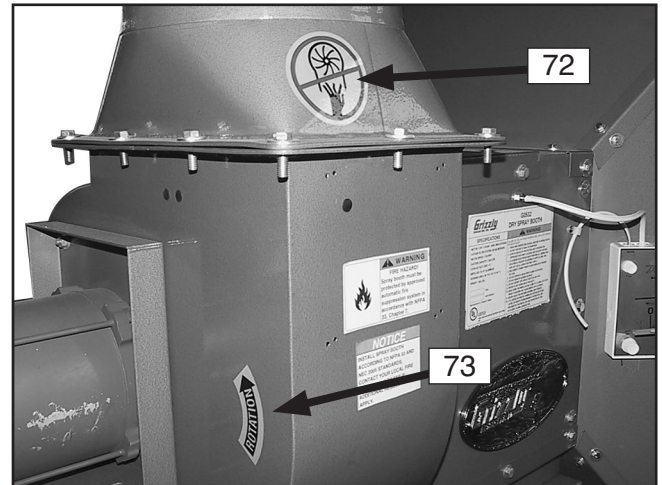
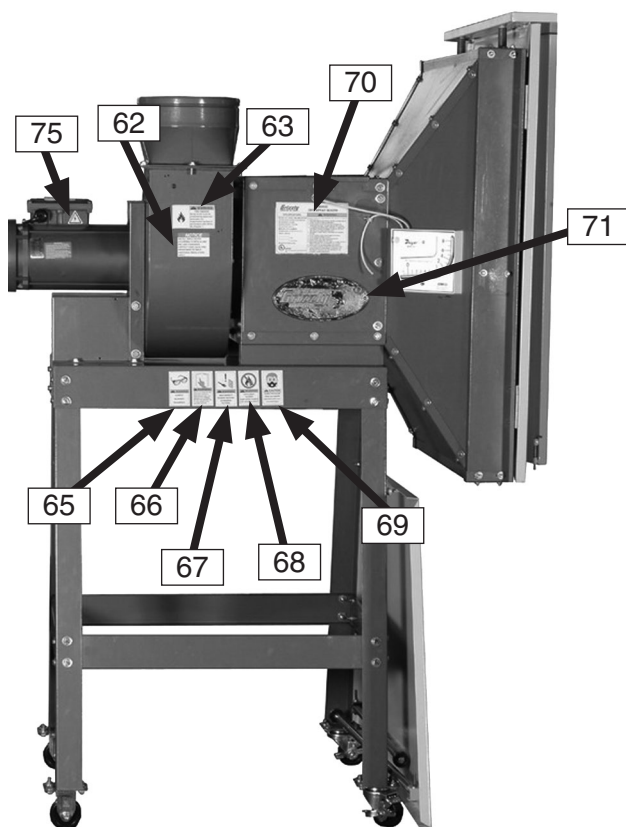
REF	PART #	DESCRIPTION
23	P0532023	RIGHT SKEW BOARD
24	P0532024	SMALL BRACE
25	PW06	FLAT WASHER 1/4
26	PN05	HEX NUT 1/4-20
27	PFH04	FLAT HD SCR 1/4-20 X 5/8
28	P0532028	LARGE PLATE
29	PB19	HEX BOLT 1/4-20 X 1/2
30	PW06	FLAT WASHER 1/4
31	PN05	HEX NUT 1/4-20
32	P0532032	LOWER SKEW BOARD
33	PB04	HEX BOLT 5/16-18 X 3
34	PW07	FLAT WASHER 5/16
35	PN02	HEX NUT 5/16-18
36	P0532036	MIDDLE BRACE
37	PFH04	FLAT HD SCR 1/4-20 X 5/8
38	PW06	FLAT WASHER 1/4
39	PN05	HEX NUT 1/4-20
40	P0532040	LEFT SKEW BOARD
41	P0532041	TOP LARGE CURTAIN STEEL
41-1	P0532041-1	TOP SMALL CURTAIN
41-2	PFH03	FLAT HD SCR 1/4-20 X 1/2
41-3	PW06	FLAT WASHER 1/4
41-4	PN05	HEX NUT 1/4-20
42	P0532042	CURTAIN BRACE
43	PFH04	FLAT HD SCR 1/4-20 X 5/8
44	PW06	FLAT WASHER 1/4
45	PN05	HEX NUT 1/4-20
46	P0532046	LEFT CURTAIN STEEL
47	PFH04	FLAT HD SCR 1/4-20 X 5/8
48	PW06	FLAT WASHER 1/4
49	PN05	HEX NUT 1/4-20
50	P0532050	WORK TABLE
51	PFH04	FLAT HD SCR 1/4-20 X 5/8
52	PW06	FLAT WASHER 1/4
53	PN05	HEX NUT 1/4-20
54	P0532054	WORK TABLE LEG
54-1	PB06	HEX BOLT 5/16-18 X 2
54-2	PW07	FLAT WASHER 5/16
54-3	PN02	HEX NUT 5/16-18
55	H5837	30 MICRON FIRST STAGE FILTER
56	H5838	10 MICRON SECOND STAGE FILTER
57	P0532057	SWIVEL CASTER 3"
58	PW07	FLAT WASHER 5/16
59	PN02	HEX NUT 5/16-18
60	PB07	HEX BOLT 5/16-18 X 3/4
61	P0532061	FIXED CASTER 3"
90	P0532090	RIGHT CURTAIN STEEL
91	P0532091	OUTLET GASKET
92	P0532092	LEG CUSHION
92-1	PB60	HEX BOLT 3/8-16 X 3
92-2	PW02	FLAT WASHER 3/8
92-3	PN08	HEX NUT 3/8-16
106	P0532106	LEFT FRONT LEG
107	P0532107	LEFT REAR LEG
108	P0532108	DOOR LATCH PIN
108-1	P0532108-1	COMPRESSION SPRING
108-2	P0532108-2	SPRING RETAINER



Safety Label Placement and Parts List

⚠️ WARNING

Safety labels help reduce the risk of serious injury caused by machine hazards. If any label comes off or becomes unreadable, the owner of this machine **MUST** replace it in the original location before resuming operations. For replacements, contact (800) 523-4777 or www.grizzly.com.



REF	PART #	DESCRIPTION
62	P0532062	NOTICE REGULATIONS LABEL
63	P0532063	FIRE HAZARD LABEL
65	PLABEL-11	SAFETY GLASSES LABEL
66	PLABEL-12A	READ MANUAL LABEL
67	P0532067	UNPLUG FILTER CHANGE LABEL
68	P0532068	EXPLOSION HAZARD LABEL
69	PLABEL-15	EAR PROTECTION LABEL

REF	PART #	DESCRIPTION
70	P0532070	MACHINE ID LABEL
71	G8588	GRIZZLY NAMEPLATE- SMALL
72	P0532072	IMPELLER HAZARD LABEL
73	P0532073	ROTATION DIRECTION LABEL
74	P0532074	NOTICE FILTERS LABEL
75	PLABEL-14	ELECTRICITY LABEL







WARRANTY CARD

Name _____
 Street _____
 City _____ State _____ Zip _____
 Phone # _____ Email _____ Invoice # _____
 Model # _____ Order # _____ Serial # _____

The following information is given on a voluntary basis. It will be used for marketing purposes to help us develop better products and services. **Of course, all information is strictly confidential.**

1. How did you learn about us?

Advertisement Friend Catalog
 Card Deck Website Other:

2. Which of the following magazines do you subscribe to?

<input type="checkbox"/> Cabinetmaker & FDM	<input type="checkbox"/> Popular Science	<input type="checkbox"/> Wooden Boat
<input type="checkbox"/> Family Handyman	<input type="checkbox"/> Popular Woodworking	<input type="checkbox"/> Woodshop News
<input type="checkbox"/> Hand Loader	<input type="checkbox"/> Precision Shooter	<input type="checkbox"/> Woodsmith
<input type="checkbox"/> Handy	<input type="checkbox"/> Projects in Metal	<input type="checkbox"/> Woodwork
<input type="checkbox"/> Home Shop Machinist	<input type="checkbox"/> RC Modeler	<input type="checkbox"/> Woodworker West
<input type="checkbox"/> Journal of Light Cont.	<input type="checkbox"/> Rifle	<input type="checkbox"/> Woodworker's Journal
<input type="checkbox"/> Live Steam	<input type="checkbox"/> Shop Notes	<input type="checkbox"/> Other:
<input type="checkbox"/> Model Airplane News	<input type="checkbox"/> Shotgun News	
<input type="checkbox"/> Old House Journal	<input type="checkbox"/> Today's Homeowner	
<input type="checkbox"/> Popular Mechanics	<input type="checkbox"/> Wood	

3. What is your annual household income?

\$20,000-\$29,000 \$30,000-\$39,000 \$40,000-\$49,000
 \$50,000-\$59,000 \$60,000-\$69,000 \$70,000+

4. What is your age group?

20-29 30-39 40-49
 50-59 60-69 70+

5. How long have you been a woodworker/metalworker?

0-2 Years 2-8 Years 8-20 Years 20+ Years

6. How many of your machines or tools are Grizzly?

0-2 3-5 6-9 10+

7. Do you think your machine represents a good value? Yes No

8. Would you recommend Grizzly Industrial to a friend? Yes No

9. Would you allow us to use your name as a reference for Grizzly customers in your area?

Note: We never use names more than 3 times. Yes No

10. Comments: _____

CUT ALONG DOTTED LINE

FOLD ALONG DOTTED LINE



Place Stamp Here



GRIZZLY INDUSTRIAL, INC.
P.O. BOX 2069
BELLINGHAM, WA 98227-2069



FOLD ALONG DOTTED LINE

Send a Grizzly Catalog to a friend:

Name _____
Street _____
City _____ State _____ Zip _____

TAPE ALONG EDGES--PLEASE DO NOT STAPLE

WARRANTY & RETURNS

Grizzly Industrial, Inc. warrants every product it sells for a period of **1 year** to the original purchaser from the date of purchase. This warranty does not apply to defects due directly or indirectly to misuse, abuse, negligence, accidents, repairs or alterations or lack of maintenance. This is Grizzly's sole written warranty and any and all warranties that may be implied by law, including any merchantability or fitness, for any particular purpose, are hereby limited to the duration of this written warranty. We do not warrant or represent that the merchandise complies with the provisions of any law or acts unless the manufacturer so warrants. In no event shall Grizzly's liability under this warranty exceed the purchase price paid for the product and any legal actions brought against Grizzly shall be tried in the State of Washington, County of Whatcom.

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.

To take advantage of 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.

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.

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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