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.

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.
# Table of Contents

INTRODUCTION .................................................................................................................. 2  
  Manual Accuracy ........................................................................................................... 2  
  Contact Info ................................................................................................................... 2  
  Machine Description .................................................................................................... 2  
  Identification .................................................................................................................. 3  
  Data Sheet ...................................................................................................................... 4  
  Machine Data Sheet ...................................................................................................... 4  

SECTION 1: SAFETY ............................................................................................................ 6  
  Safety Instructions for Machinery .................................................................................. 6  
  Additional Safety for Blast Cabinets ............................................................................. 8  

SECTION 2: CIRCUIT REQUIREMENTS .......................................................................... 9  
  110V Operation ........................................................................................................... 9  

SECTION 3: SETUP .......................................................................................................... 10  
  Needed for Setup ........................................................................................................... 10  
  Unpacking ..................................................................................................................... 10  
  Inventory ....................................................................................................................... 11  
  Hardware Recognition Chart ....................................................................................... 12  
  Site Considerations ...................................................................................................... 13  
  Mounting to Shop Floor ............................................................................................... 14  
  Air Supply Setup ......................................................................................................... 15  
  Assembly ....................................................................................................................... 16  
  Test Run ....................................................................................................................... 19  

SECTION 4: OPERATIONS ............................................................................................... 20  
  Preparation ................................................................................................................... 20  
  Control Panel ............................................................................................................... 21  
  Basic Operation ........................................................................................................... 22  
  Blasting Media ............................................................................................................. 25  

SECTION 5: ACCESSORIES ............................................................................................ 28  

SECTION 6: MAINTENANCE ......................................................................................... 29  
  Schedule ....................................................................................................................... 29  
  Cleaning ....................................................................................................................... 29  

SECTION 7: SERVICE ...................................................................................................... 30  
  Troubleshooting .......................................................................................................... 30  
  Filter Replacement ....................................................................................................... 31  
  Motor Brush Replacement ........................................................................................... 32  

SECTION 8: WIRING ....................................................................................................... 35  
  Wiring Safety Instructions ............................................................................................ 35  
  Control Box Wiring Diagram ....................................................................................... 36  
  Components Wiring Diagram ....................................................................................... 37  
  Electrical Component Locations .................................................................................. 38  
  Air System Diagram ..................................................................................................... 39  

SECTION 9: PARTS .......................................................................................................... 40  
  Parts List ....................................................................................................................... 41  
  Label Placement & Parts List ....................................................................................... 42  

WARRANTY AND RETURNS ......................................................................................... 45
INTRODUCTION

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.

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 Description

This blast cabinet is designed for high-use media blasting operations, where air flow up to 25 CFM and air pressure up to 120 PSI can be used. Air pressure is fully adjustable with a control panel air pressure regulator. A fixed blasting gun and a hand-held blasting gun are included in this machine. Blasting operations through a hand-held blast gun or fixed gun are controlled by a foot valve and control panel.

An internal set of fluorescent work lamps provide illumination during blasting operations, and a built-in dust collector maintains blasting environment visibility. The cabinet is equipped with two side loading doors for ease of workpiece loading and unloading. Media is quickly unloaded through the hopper dump port door, and reloaded through a side door.
Figure 1. Features and controls.

A. Control Panel
B. Pressure Regulator w/Gauge
C. Dust Collector
D. Fluorescent Lamp Assembly
E. Canister Plunger for Filter Cleaning
F. Side-Loading Door
G. Door Latch
H. Hopper Dump Chute
I. Gloves
J. Foot Pedal Blasting Switch
K. Heavy Duty Leg Support System
L. Viewing Window
MODEL G0707
24" X 37" BLAST CABINET

Product Dimensions:

Width ......................................................................................................................................................................... 41"
Depth ......................................................................................................................................................................... 36"
Height ......................................................................................................................................................................... 64⅛"
Foot Print (Length/Width) ........................................................................................................................................ 23" x 36¾"
Weight ....................................................................................................................................................................... 198 lbs.

Shipping Dimensions:

Type ........................................................................................................................................................................... Cardboard
Content ........................................................................................................................................................................ Machine
Weight ......................................................................................................................................................................... 231 lbs.
Length/Width/Height .................................................................................................................................................. 52" x 39" x 30"

Electrical:

Switch ......................................................................................................................................................................... Sealed ON/OFF Rocker Switch
Switch Voltage .......................................................................................................................................................... 110V
Cord Length ............................................................................................................................................................. 6 ft.
Cord Gauge ............................................................................................................................................................. 18 gauge
Recommended Circuit Size ....................................................................................................................................... 15 amp
Plug ............................................................................................................................................................................ Yes
Number of Lamps ..................................................................................................................................................... 2
Lighting Type ........................................................................................................................................................... 18 Watt Fluorescent

Dust Collector Motor:

Type ............................................................................................................................................................................ Universal Type
Horsepower ............................................................................................................................................................... 1½ HP
Voltage ......................................................................................................................................................................... 110V
Phase .......................................................................................................................................................................... Single
Amps .......................................................................................................................................................................... 11A
Cycle .......................................................................................................................................................................... 60 Hz
Number Of Speeds ..................................................................................................................................................... 1
Power Transfer .......................................................................................................................................................... Direct Drive
Bearings ..................................................................................................................................................................... Shielded and Permanently Sealed

Operation Information:

Suggested Operating Air Pressure Range .................................................................................................................. 60-80 PSI
Maximum Air Pressure ................................................................................................................................................ 120 PSI
Recommended Air Supply ........................................................................................................................................ 5-28 CFM
Maximum Abrasive Capacity .................................................................................................................................... 400 lbs.
Suggested Abrasive Capacity ..................................................................................................................................... 55 lbs.
Abrasive Type ............................................................................................................................................................. Dry Only
Load & Unload Access ............................................................................................................................................... Sides
Design Type ............................................................................................................................................................... Floor Model
General Specifications:

- Body Construction: Welded Heavy-Duty Steel
- Dust Collector Filter Dimensions: 6½" Dia. x 12" Tall
- Dust Collector Filter Type: Pleated
- Dust Collector Filter Rating: 5 Microns
- Paint: Powder Coated Inside and Out

Other Specifications:

- Country Of Origin: China
- Warranty: 1 Year
- Serial Number Location: ID Label on Front Center of the Cabinet
- Assembly Time: 60 Minutes

Features:

- Dual Side Loading Doors
- Panel Mounted Electric and Air Controls
- Spare Blast Tips
- Spare Window Protection Sheets
- Included Dust Collector Filter
- Screened Work Table
- Foot Pedal Blasting Control
- Gun Blasting System
- Hands-Free Blasting System
- Hopper Dump Gate
- Easy-Clean Dust Collector
- Reusable Dust Collector Filter Element
- External Lighting System
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 This symbol is used to alert the user to useful information about proper operation of the machine.

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.
WARNING
Additional Safety for Blast Cabinets

1. PERSONAL PROTECTION EQUIPMENT. Media blasting presents a real hazard of silicosis and other lung contamination injuries! These injuries are permanent and can get worse over time. If you use media blasting equipment without the proper headgear, eye protection, and respirator, your lungs and eyes may become permanently damaged. DO NOT use this blast cabinet unless you know how to use it. Protect yourself correctly, and keep all unprotected bystanders away. For latest types of protective equipment and acceptable respirator types, contact your local OSHA or NIOSH office.

5. WORK AREA SAFETY. To prevent accidental contamination of shop air, clean dust collector and filters often, and repair any suction hose leaks immediately.

6. MAINTAINING COMPONENTS. To prevent accidental contamination or blast injury, replace tips, hoses, lenses, and gloves when they become worn.

7. SAFE MEDIA BLASTING. Do not use system over the rated PSI or lines and seals may burst and cause injury.

8. CORRECT LIGHTING. To prevent ballast overload and possible fire, do not install lamps that use over 18 watts.

9. LOADING & UNLOADING. To prevent accidental blasting injury, disconnect the air supply before loading or unloading the workpiece from the blast cabinet.

10. SAFE MAINTENANCE. To prevent accidental blasting injury or shock, disconnect air supply and power before doing maintenance.

11. SAFE MEDIA BLASTING. To prevent dust exposure, always secure the door(s) before beginning media blasting operations.

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.
SECTION 2: CIRCUIT REQUIREMENTS

110V Operation

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

**WARNING**
Electrocution or fire could result if machine is not correctly grounded or connected to the power source. Get help if you do not know what you are doing.

Full Load Amperage Draw
This machine draws the following amps under maximum load:

Amp Draw.............................................. 11 Amps

Power Supply Circuit Requirements
Both the machine and the power supply circuit must be properly grounded. The power supply circuit must be rated for the amperage given below. Never replace a circuit breaker on an existing circuit with one of higher amperage without consulting a qualified electrician to ensure compliance with wiring codes. If you are unsure about the wiring codes in your area or you plan to connect your machine to a shared circuit, consult a qualified electrician.

Minimum Circuit Size......................... 15 Amps

**CAUTION**
This machine MUST have a ground prong in the plug to help ensure that it is grounded. DO NOT remove ground prong from plug to fit into a two-pronged outlet! If the plug will not fit the outlet, have the proper outlet installed by a qualified electrician.

Power Connection Device
This machine comes with a plug, similar to Figure 2, to connect the machine to power.

Figure 2. Typical 5-15 plug and receptacle.

Extension Cords
We do not recommend using extension cords, but if you find it absolutely necessary:

- Use at least a 14 gauge cord that does not exceed 50 feet in length!
- The extension cord must have a ground wire and plug pin.
- A qualified electrician MUST size cords over 50 feet long to prevent motor damage.
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 goggles 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 Setup**

The following are needed to complete the setup process, but are not included with your machine.

<table>
<thead>
<tr>
<th>Description</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>Safety Goggles for Each Person</td>
<td>1</td>
</tr>
<tr>
<td>Forklift</td>
<td>1</td>
</tr>
<tr>
<td>Wrench 10mm</td>
<td>1</td>
</tr>
<tr>
<td>Additional People (For Lifting)</td>
<td>1</td>
</tr>
<tr>
<td>Screwdriver Phillips #2</td>
<td>1</td>
</tr>
<tr>
<td>Wrench or Nut Driver 3/8&quot;</td>
<td>1</td>
</tr>
<tr>
<td>Exterior-Grade Silicone Caulking...</td>
<td>1 Tube</td>
</tr>
</tbody>
</table>

---

**Unpacking**

Your machine was carefully packaged for safe transportation. Remove the packaging materials from around your machine and inspect it. If you discover the machine is damaged, please immediately call Customer Service 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.
Inventory

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

Note: If you can’t find an item on this list, check the mounting location on the machine or examine the packaging materials carefully. Occasionally we pre-install certain components for shipping purposes.

Box 1: (Figure 3) Qty
A. Dust Collector Assembly w/Filter ..................... 1
B. Cabinet ................................................. 1
C. Spare Door Seal ¾” x 1" x 79" ......................... 1
D. Teflon Tape ........................................... 1
E. Legs ......................................................... 4
F. Left Door .................................................. 1
G. Right Door ............................................... 1
H. Side Leg Supports ........................................ 2
I. Blast Tip Set ............................................. 1
—Blast Tip 6mm ID ....................................... 2
—Blast Tip 7mm ID ....................................... 2
J. Canister Plunger Assembly .......................... 1
K. Hopper Chute Door ................................. 1
L. Push-on Hose Adapter ¾” .............................. 1
M. Lever and Latch Set (for 2-Doors) ............... 1
N. Viewing Window Dust Sheets 23½" x 10" ........ 5
O. Lamp Window Dust Sheets 21½" x 4" ............. 5
P. Bolt Bag ..................................................... 1
—Cabinet Screws ¼-20 x ½” ............................. 26
—Flange Nuts ¼"-20 ....................................... 26

If any nonproprietary 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.

WARNING
SUFFOCATION HAZARD!
Immediately discard all plastic bags and packing materials to eliminate choking/suffocation hazards for children and animals.

Figure 3. Inventory.
Hardware Recognition Chart

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

Measure bolt diameter by placing inside circle.

- #10
- ¼"
- 5/16"
- ⅜"
- ⅛"
- ⅜"
- ½"

4mm
5mm
6mm
8mm
10mm
12mm
16mm

Lines are 1mm apart.

Lines are ⅛" inch apart.

Washers are measured by the inside diameter.

Model G0707 (Mfd. Since 01/15)
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.

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 4. Space required for full range of movement.
Mounting to Shop Floor

Although not required, we recommend that you mount your new machine to the floor. Because this is an optional step and floor materials may vary, floor mounting hardware is not included. Generally, you can either bolt your machine to the floor or mount it on machine mounts. Both options are described below. Whichever option you choose, it is necessary to level your machine with a precision level.

Bolting to Concrete Floors

Lag shield anchors with lag bolts (Figure 5) and anchor studs are two popular methods for anchoring an object to a concrete floor. We suggest you research the many options and methods for mounting your machine and choose the best that fits your specific application.

Using Machine Mounts

Using machine mounts, shown in Figure 6, gives the advantage of fast leveling and vibration reduction. The large size of the foot pads distributes the weight of the machine to reduce strain on the floor.

NOTICE

Anchor studs are stronger and more permanent alternatives to lag shield anchors; however, they will stick out of the floor, which may cause a tripping hazard if you decide to move your machine.

NOTICE

We strongly recommend securing your machine to the floor if it is hardwired to the power source. Consult with your electrician to ensure compliance with local codes.
Air Supply Setup

The ability of this blast cabinet to accomplish its task is directly related to how well the air supply system is designed. For this blast cabinet to operate at its maximum potential with the largest blast tip, the CFM feeding the regulator should be 35 CFM at 120 PSI.

Refer to your compressor Owner’s Manual and make sure that the compressor can handle the load of a blasting cabinet. Often a 5 HP compressors are used, but the duration of the work shift and tip size installed must be reduced so the compressor duty cycle is not exceeded. Ignoring this requirement could lead to compressor overheating and failure. The rule of thumb is that, the smaller the compressor, the less CFM available, and greater cool-down time required.

If this blast cabinet is to be used at full capacity in eight-hour work shifts at the maximum air pressure of 120 PSI using the largest tip, an industrial-grade compressor capable of delivering up to 35 CFM may be required.

For smaller compressors, make sure to increase the compressor maintenance interval and verify that your compressor has the best cooling airflow possible.

When filling or servicing the blast cabinet, there is a risk of subjecting the compressor to airborne media or dust. Be sure to locate the blast cabinet away from the compressor operating environment. If even small amounts of fine media dust enter the compressor through the intake or during general service, rings, pistons, valves, and bearings can be quickly destroyed.

Remove any in-line oilers, make the supply line long enough to allow the compressed air to fully cool before it reaches the gun, and install an in-line water separator or air dryer. Tilt air supply lines slightly back toward the compressor so residual condensation in the lines will run back to the tank instead of the media blasting unit. For a general summary of the typical air system of this blast cabinet and supply system, refer to the Air System Diagram on Page 39.

If using an existing air system, eliminate air supply restrictions and pressure drops that may occur at small quick-disconnect fittings, elbows, small supply piping, undersized water separators, kinked lines, or rust-filled piping.

Typically, when installing a new supply line for the blast cabinet with a 125 foot run or less, the air supply line up to the regulator inlet should have an inside diameter of ¾”. For runs up to 300', a supply line with a 1” inside diameter is recommended.

If an air compressor is not available or the blast cabinet is to be used at a remote location, NEVER connect this blast cabinet to pressurized bottled gasses such as oxygen bottles used in welding operations. Line ruptures or explosions can occur, causing equipment damage, serious injury, or death.

Make sure to install an air supply quick-disconnect fitting or a shut-off valve that can be locked out to prevent the air pressure from accidentally being turned on. These items allow for the blast cabinet to be serviced safely or allow it to sit idle when not in use.
Assembly

To assemble the blast cabinet:

1. With the help of an assistant, lay a sheet of cardboard on the floor to protect the media blasting cabinet, and place the cabinet on its back.

2. Using a #2 Phillips screwdriver, fasten all four legs to the underside of the cabinet with (16) ¼-20 x ½” cabinet screws and flange nuts (Figure 7).

3. Attach the two side supports (Figure 7) to the left and right set of legs with four cabinet screws and flange nuts.

4. With the help of an assistant, stand the blast cabinet upon the legs.

5. Using three Phillips screws and flange nuts, fasten the hopper chute door to the hopper, as shown in Figure 8. When secured, latch the hopper door closed.

6. Using a Phillips screwdriver, remove the suction port baffle (Figure 9).

Figure 7. Leg installation.

Figure 8. Hopper chute door.

Figure 9. Suction port baffle.

Continued on next page
7. Using four cabinet screws and flange nuts, fasten the dust collector to the rear of the cabinet, so the suction port protrudes through the hole cut into the back of the cabinet (Figure 10).

8. Plug the dust collector into the in-line power supply plug protruding from the control box (Figure 10).

9. Unlatch the dust collector motor (Figure 10), lift the dust collector out of the canister, and set it aside.

10. Working from inside of the canister, insert the canister plunger through the canister wall so it can be seen protruding from the outside of the canister.

11. Place the spring on the plunger shaft, and thread the jam nut and knob onto the plunger as shown in Figure 11.

12. Re-install the dust collector into the canister.

13. Using a 10mm wrench, tighten the jam nut against the knob.

14. Using silicone (not supplied), seal the gap between the suction port and the hole in the cabinet wall (Figure 12).

15. Re-install the baffle and install both side doors with the eight M5-.8 x 10 flat head screws and hex nuts already in the cabinet.

16. Verify that a plastic dust sheet is affixed to the inside of the cabinet viewing window and the lamp window (Figure 13).
17. Using the fasteners already in the cabinet and doors, install the doors, then receivers, and adjust the receivers so the doors slightly compress the foam seal when closed (Figure 14).

18. Route the blasting guns and hoses to eliminate any kinks or binds (Figure 15).

19. Position the foot pedal (Figure 16) between the legs where it will be convenient to use. The pedal may also be fastened to the floor if the unit will not be moved.

20. Pour the desired amount of media into the cabinet through one of the side doors. DO NOT overfill.

21. Wait 24 hours for the silicone sealant to fully setup and dry. Otherwise, when the machine is turned on and media blasting begins, the seal may be broken, causing leakage.

22. Inspect all seals, hose clamps, glove clamps, and window seals for any potential leaks. Correct as required.
Test Run

Once the assembly is complete, test run your machine to make sure it runs properly and is ready for regular operation. The test run consists of verifying the following: 1) The dust collector powers up and runs correctly, 2) the ON/OFF button works correctly, 3) the air system, controls, and the lamp work correctly, 4) and that there are no air leaks.

If, during the test run, you cannot easily locate the source of an unusual noise or vibration, stop using the machine immediately, then review Troubleshooting on Page 30.

If you cannot find a remedy, contact our Tech Support at (570) 546-9663 for assistance.

---

**WARNING**

Before starting the machine, make sure you have performed the preceding assembly and adjustment instructions, and you have read through the rest of the manual and are familiar with the various functions and safety features on this machine. Failure to follow this warning could result in serious personal injury or even death!

---

To test run the machine:

1. Make sure you understand the safety instructions at the beginning of the manual and that the machine is setup properly.

2. Make sure all tools and objects used during setup are cleared away from the machine.

3. Make sure that the POWER button (Figure 17) is OFF.

4. Connect the machine to the power source.

5. Verify that the machine operates correctly by pushing the POWER, LAMP and DUST buttons **ON**.

—When operating correctly, the dust collector runs smoothly with little or no vibration or rubbing noises and both fluorescent lamps illuminate.

6. Turn **OFF** the DUST, LAMP and POWER buttons.

7. Put on safety glasses, and connect the blast cabinet to the air supply.

8. Adjust the regulator knob to 120 PSI as shown on the gauge.

9. Close all doors, grasp the blast gun and press the foot pedal. Air should exit from the blast gun.

   **Note:** *If after this test, the regulator gauge needle drops more than a few PSI when you press the foot pedal, verify that the air supply is not restricted. If setup correctly, the blast gun media suction tube should draw 15-17 inches of mercury on a manometer.*

10. Listen for air leaks, and use a solution of warm water and dish soap on any areas where possible leaks may be located. Correct and reseal as required.

11. Adjust the air pressure down to 60 PSI and disconnect the air supply and the electrical power supply.

---

**Figure 17. Control panel.**
WARNING

Media blasting presents a real hazard of silicosis and other lung contamination injuries! These injuries are permanent and can get worse over time. If you use media blasting equipment without the proper eye protection and respirator, your lungs and eyes may become irreversibly contaminated. DO NOT use this blast cabinet unless you know how to use it, protect yourself correctly, and keep all unprotected bystanders away. For the latest types of protective equipment and acceptable respirator types, contact your local OSHA or NIOSH office.

Preparation

NEVER sand blast with the doors open, point the gun at yourself or anyone else, or attempt to service any part of this machine while it is plugged in or connected to air pressure. ALWAYS disconnect the blast cabinet from power and air pressure when not in use, or during maintenance or adjustments. Ignoring this warning may lead to severe injury.

To prepare for a typical media blasting operation:

1. Conduct the daily-check of the cabinet.
2. Select and install the required blast tip, load the media, and empty dust collector canister.
3. Empty the air supply water separators, connect power and air to the cabinet, and adjust the regulator to the required air pressure.
4. Remove water, oil, grease, and loose paint or scale from the workpiece, then place the workpiece into blast cabinet.
5. Put on your safety goggles and a respirator, and begin the media blasting operation.

NOTICE

If you have never used this type of 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.

WARNING

To reduce the risk of serious injury when using this machine, read and understand this entire manual before beginning any operations.

WARNING

Damage to your eyes and lungs could result from using this machine without proper protective gear. Always wear safety goggles and a respirator when operating this machine.
Control Panel

Figure 18. Control panel.

A. **Dust Collector Switch**: Starts and stops the dust collector.

B. **Light Switch**: Turns the dual-bulb fluorescent work light system *ON* and *OFF*.

C. **Power Switch**: Toggles power to the circuit board and the rest of system *ON* and *OFF*.

D. **Fuse**: Protects the circuit board and controls from overload.

E. **Power Light**: Illuminates when power is supplied to the blasting cabinet.

F. **Circuit Light**: Illuminates when the machine controls are ready for use.

G. **Door-Closed Light**: Illuminates when both side doors are closed, indicating that the blast cabinet is sealed.

H. **Fixed Gun Light**: Illuminates when the fixed gun is in use.

I. **Hand-Held Gun Light**: Illuminates when the hand-held gun is in use.

J. **Piezometer Gauge**: Indicates the applied air pressure to the blast cabinet for blasting, which typically will be set between 60-80 PSI.

K. **Air Regulator Knob**: When turned clockwise, the air pressure in the blast gun is increased. When turned counterclockwise, the air pressure is decreased.

L. **Foot Switch**: Controls fixed-blast gun air *ON* and *OFF*. 

Model G0707 (Mfd. Since 01/15)
Basic Operation

This section details the correct order of operations for using the Model G0707.

To use the blast cabinet:

1. Prepare the cabinet and workpiece for blasting as discussed in Preparation on Page 20.

2. PUT ON safety goggles and a respirator.

3. Select and load the blasting media through a cabinet door. Avoid using media that contains free silica, as this is a leading cause of silicosis. Refer to Page 25 for media types.

   Note: Loading only enough media for the job at hand will help you prevent over-using or having to screen excess media. Typically use just enough media to cover the suction tube opening by 6”.

4. Install the correct blast tip in the position shown in Figure 19. For lower air pressure systems, the 6mm tip is the best choice. Refer to Page 25 for air pressure and media options.

5. Empty the dust collector canister periodically during long blasting operations and after every use. Every five hours of blasting operations, clean the canister filter using compressed air (see Figure 20).

6. Empty the applicable water separators and connect the blasting cabinet to the power and air supply.

7. Turn the regulator knob to adjust the air pressure to the desired setting. Typically this is a trial-and-error process, but a good range to start is between 60 and 80 PSI.

8. Place the properly-cleaned workpiece into the blast cabinet, close the doors, then move the latches until they are completely locked (see Figure 21).

Note: It is very important to maintain concentricity of the tip orifice as it wears. To do this you must rotate the media blasting tip ¼-turn every 10 to 12 hours of use. Worn tips make an inconsistent media spray pattern. As a result, surfaces can be left with streaking or tear-out. Replace any tip that has worn ⅛” in diameter larger than its original size.
9. Inspect the windows (Figure 22) for clarity and for any evidence of damage to the protective film. Peel off worn or damaged film and affix new sheets as required. Replace the sheets BEFORE they are worn through. If using an aggressive media, you may have to double the sheets to protect from wear-through before your blasting project is finished. NEVER WIPE WINDOWS WITH WET OR DRY RAGS! Doing so will scratch the viewing surface. Instead, vacuum media away and then gently brush the remnants off the glass with a soft paint brush. If visibility becomes a problem, refer to Troubleshooting on Page 30 for further solutions.

10. Push the power switch, light, and the dust switches to start the dust collector and to turn the work lamps ON.

11. Point the blast gun tip at the workpiece in a direction where the ricocheting spray of abrasive will not contact the windows.

12. Press on the foot pedal for fixed gun blasting, or pull the hand-held blast gun trigger and media will begin spraying from the blast tip. Depending on your blasting gun selection (Figure 23), move the workpiece or blast gun slowly in a methodical circular motion.

Figure 23. Blast gun ON/OFF control.

Note: For most media blasting operations, maintain a blast distance of six inches. Maintain a blasting spray at a 45°-60° angle from the workpiece so the media will ricochet off and not directly impact the lamp or viewing window. Doing this will help maintain workpiece visibility and make the protective viewing window film and media last longer. Do not point the gun or hold the workpiece so the spray pattern is perpendicular or 90°degrees to the surface.

Note: When media blasting thin materials made of aluminum, copper, brass, wood, or other delicate parts, select the correct media and begin blasting at a low pressure, such as 45 PSI. Next, slowly increase the air pressure until you achieve the finish required. When using some types of glass bead media, you may have to keep the operating pressure between 50-80 PSI or the media will break down prematurely. Some media like silicon carbide and aluminium oxide can withstand pressures of up to 120 PSI on this machine; however, most media blasting operations should occur at 80 PSI.
Note: If the gun or metering valve begins to clog or becomes completely clogged during use, cover the hole in the blast tip tightly, then pull the gun trigger or push the foot valve. Air pressure will be then diverted back through the media suction piping and usually blow out the clog.

If clogging still persists, it is likely that the moisture or contamination ratio in the media is too high, or there could be a loose fitting or leak in a hose. Dry out the media, install a moisture trap, screen or replace the media, or check for a leaking hose.

Only use high quality DRY media. DO NOT use regular sand, and recognize when media has broken down and is too fine or loaded up with contaminants to work properly. Worn-out media and contaminants will cause caking and clogging.

If clogging persists, refer to Troubleshooting on Page 30 for further solutions.

13. Every 20-30 minutes during cabinet use, push the canister plunger in until it stops, then let your thumb slide off of the button so the spring slaps the plunger back against the canister wall. This causes vibration that knocks off the material which is caked onto the outside of the filter (Figure 24). Every five hours of cabinet use, service the dust collector filter. Refer to Maintenance on Page 29 for procedures.

14. When media blasting is complete, disconnect the cabinet from power and the air supply.
Blasting Media

**Media Cost vs. Productivity**

It is often assumed that by using low-cost media, such as basic builder's sand or play sand, the worker can enjoy increased productivity costs because sand is so cheap. However, since sand is a "Dull Media," the blasting tip size must be increased and higher air pressure and more CFM are required to increase the blast velocity to overcome the dull media problem. This compensation usually results in longer compressor duty cycles that can overheat some units.

Compressor maintenance cycles, power consumption, and water separator service intervals may increase. Additionally, general sand can cause increased down-time from clogging tips, hoses, and valves, and generally create a hazardous, silica-laden environment.

With the correct research, excellent productivity can be achieved using sharp media with a smaller tip and less air pressure than with dull media at a higher pressure.

**Maximizing Media Life**

Screen the used media with a series of wire mesh screens to refine it to one consistent size. When using the blasting cabinet, experiment with using the least amount of media as possible. The result of using less media is that you will have less material to screen or discard and more fresh media for mixed projects. Store media in a dry place.

**Grizzly Blasting Media Part Numbers**

- **G6535:** 15 lbs. Aluminum Oxide 220 Grit.
- **G6536:** 15 lbs. Aluminum Oxide 120 Grit.
- **G6537:** 15 lbs. Aluminum Oxide 60 Grit.
- **G6538:** 15 lbs. Glass Bead 50-Micron Grit.

Some of the common blasting media types are listed below with the MOH scale hardness value. All media have benefits and drawbacks, such as the quality of surface finish, media life, toxicity, and the precautions that must be taken to prevent environmental damage or personal injury to your respiratory system. However, all media presents a health risk. Never use media that contains free silica.

**Aluminum Oxide (8.5-9)**

For surface finishing, aluminum oxide is one of the most common and widely used media. Having an angular shape, it is considered an extremely sharp, has extended blasting times, and is highly recyclable.

**Silicon Carbide (9-9.5)**

This blast media is considered to be the hardest available. The crystal structure is sharp, cutting is fast and aggressive. This media is often use to engrave and etch glass and stone. Shorter blasting periods also result from this hard and sharp media. Silicon carbide has no free silica and it can be recycled many times.

**Sand Type Media (6-7)**

This media is easy to find and gives an average finish that is acceptable for many projects. Sand has a good recycling life and is economical. However, the cutting ability at lower air pressure and CFM can be poor—with a higher hazard of silicosis and machine clogging. Many sand-type media contain free silica and present a health hazard for silicosis.

*Continued on next page*
Steel Type Media
This aggressive media creates a rough finish that accepts paint well. The media is very durable and has a long life; however, it MUST be kept very dry to prevent rusting. The main types are as follows:

—Steel Grit (8-9): Compared to aluminum oxide, steel grit is softer and has a low habit of fracture, which leaves an excellent etched surface on rubber coatings, paints, and other coatings. This is a popular choice for aircraft applications. Steel grit comes in many grit sizes and hardness.

—Steel Shot (6-7.5): Steel shot is one of the most widely used media for stripping, cleaning, and general improvements of metal surfaces. This media has a rounded-ball shape and comes in many grades, sizes, and hardness. In most instances, this type of media gives the surface a shiny or polished look. Steel shot peening also serves as a method to strengthen machinery parts such as impeller fins, bearing parts, springs, and torsional components. This media does not create high amounts of dust and has a superior recycle rate.

Glass and Garnet Type Media
Glass media contains no free silica or heavy metals and is non-toxic and inert. This media works well for soft metals and is a common choice when critical tolerances of machine parts must not be affected. The life of this media is limited and is not well-suited for repetitive screening and recycling.

—Glass Beads (5.5): Just as the name indicates, this media is round in shape, chemically inert, and has no dangerous free silica. The glass beads come in various grit sizes and hardness. It is manufactured from lead-free, soda lime-type glass. Unlike angular abrasives that cut, these beads burnish and leave a bright finish that typically will have no dimensional change. The beads can be recycled many times. Common applications are honing wood, blending surfaces, polishing, peening, finishing surfaces, removing scratches, and basic cleaning of most materials.

—Crushed Glass (5.5): This media is created from recycled bottle glass, and other glass. The media described here has a sharp cutting behavior, as the particles are angular shaped. Often this media is used to remove epoxy coatings, glues, polyurethanes, vinyls, elastomers, rubbers and tar. Surfaces have less imbedded particles with this media, and as a result, the finishes are usually very light and clean-looking.

—Garnet (6.5-7.5): This is a very effective blast media typically used in shipyards and the oil and gas sector where steel pipes and fittings must be cleaned. This media is also used on brick, stone, and stainless steel. It is naturally occurring and very dense and hard. The recyclability is good, and it is a common choice for use in cabinet-type blast cabinets.

Slag Media
Slag media are by-products of various types of smelting and coal burning processes. Be aware that some slag media may contain unwanted by-products from these processes.

—Copper Slag (7-8): This media is considered an expendable media and is a very good alternative to sand media. Copper slag is a by-product from the copper manufacturing process and it is very economical but non-reusable. Compared to the use of silica sand usage, it does not present a silicosis health hazard. Blasting operations best suited for this media are cleaning rust, mill scale, and paint from steel. Copper slag leaves a good surface that is ready to anchor and bond coatings and paints. The structure is blocky and sharp-edged.

—Coal Slag (6-7): This type of media is made from liquid coal slag from utility boilers. The material is hardened and crushed into a fast-cutting media that is sharp and angular. This media creates little dust, but can release hazardous pollutants into the air. Various grit sizes can be used from light blasting operations to heavy-duty rust, paint, and mill scale removal. The resulting finish is a good surface ready to anchor and bond coatings and paints.
Plastic Beads

Plastic abrasives are available in a variety of types such as urea, melamine, and acrylic compositions. These beads are shaped just as indicated and give reliable and consistent stripping results. Paints, varnishes, rusts, and oxidation can be stripped from soft metals, plastics, and wood. The aerospace and automotive industry are chief consumers of this blast media.

—Urea (3-4): Considered to be an environmentally-friendly choice, urea is the most commonly used plastic media. It is recyclable and is an excellent choice for stripping tough coatings when speed is a high priority and the surface is not critical.

—Melamine (3-4): Also a long-lasting recyclable media, this abrasive is the most aggressive in the family of the plastic beads. Due to its hardness, it can strip hard-to-remove coatings and be the substitute for some of the other types of glass beads.

—Acrylic (3-4): This is a multipurpose blast media that is one of the longest lasting types available. It is often used for stripping sensitive surfaces or delicate parts that may consist of multiple types of compounds. It is available in a wide range of grit sizes.

Soft Blast Media

There are many types of "Soft" blast media, many of which are minerals, inert, and organic. Some blast cabinets with dust collection systems require special filters or dust collectors for soft types of media. For the Model G0708, filter cleaning interval will have to be increased to maintain flow.

—Ground Walnut: (4.5-5) This is a soft media that is produced from crushed or ground walnut shells. The structure is multi-faceted and angular with no free silica in the media. Durability is excellent, and this media is a good choice for blasting operations where the paint, varnish, or coating must be cleaned but not marred or removed. Hardwoods, jewelry, and electrical items can also be cleaned with this media. Using a larger grit under higher pressure settings, paint and varnishes, and engine parts can be cleaned of coke and carbon deposits.

—Pumice (6-7): This media is the softest media available and is a natural volcanic ash that is an inert mineral. Pumice can be used for the most sensitive blasting operations where the painted or finished surface must be entirely unaffected by the removal of the foreign matter. The structure is block-shaped and is honeycombed.

—Ground Corn Cob (4.5): Is an organic, soft blasting grit that has an angular shape. It has excellent surface cleaning behavior that is similar to ground walnut and peanut shells. Corn cob media is commonly used to strip bark off of wood, light coatings, and dirt without surface damage or grain blowout. It is available in a selection of grit sizes.

—Sodium Bicarbonate (2.4): Baking soda is inert and has an excellent ability to remove and absorb the dirt or contaminants from a surface. It will not peen or cut the underlying workpiece. This important media can be used where small ports and bores must be cleaned without the hazard of clogging the passages. The workpiece and its passages can be cleaned with water as this blast media is water soluble.
SECTION 5: ACCESSORIES

H7359—Campbell Hausfeld: 5 HP, 60-gallon Air Compressor
If you do not need to operate the Model G0707 at full capacity of 25 CFM @ 120 PSI, the H7359 compressor will do an excellent job supplying air for consistent media blasting at 60-80 PSI. 60-gallon tank capacity, 5 HP running, runs on 240V. Compressor: solid cast-iron and twin cylinder pump, oil lubricated, delivers 18.1/15.4 SCFM at 90/140 psi, 17½ Amps, weighs 381 lbs.

H3719—Porter Cable: 7½ HP, 80-gallon 2-stage Cast-iron Air Compressor
This compressor has a 240V 7½ HP motor, 80-gallon tank, and reaches 175 PSI. The SCFM air delivery is 25 CFM @ 100 PSI/ 23.5 @ 175 PSI. Compressor: has an ASME safety valve, globe valve, tank gauge, and is oil lubricated.

G2815—Campbell Hausfeld: 7½ HP, 80-gallon 2-stage Compressor
This compressor has a 240V, 7½ HP motor, and delivers 25.1/27.2 CFM at 175/90 PSI. The tank is a vertical 80-gallon ASME tank. Compressor: includes a magnetic starter, pressure switch, pressure gauge, oil sight and relief valve, and is oil lubricated. Overall height is 77” tall.

H2499—Small Half-Mask Respirator
H3631—Medium Half-Mask Respirator
H3632—Large Half-Mask Respirator
H3635—Cartridge Filter Pair P100
Wood dust has been linked to nasal cancer and severe respiratory illnesses. If you work around dust everyday, a half-mask respirator can be a lifesaver. Also compatible with safety glasses!

Figure 25. Industrial Compressors.

Call 1-800-523-4777 To Order

Figure 26. Half-mask respirator with disposable cartridge filters.

Basic Eye Protection
T20501—Face Shield Crown Protector 4"
T20502—Face Shield Crown Protector 7"
T20503—Face Shield Window
T20451—“Kirova” Clear Safety Glasses
T20452—“Kirova” Anti-Reflective S. Glasses
H7194—Bifocal Safety Glasses 1.5
H7195—Bifocal Safety Glasses 2.0
H7196—Bifocal Safety Glasses 2.5

Figure 27. Assortment of basic eye protection.
### SECTION 6: MAINTENANCE

#### Schedule

<table>
<thead>
<tr>
<th>Daily Check</th>
<th>Monthly Check</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Inspect all fittings and hoses for leaks.</td>
<td>• Use soapy water on fittings and hoses while</td>
</tr>
<tr>
<td>• Inspect for damaged or leaking door seals.</td>
<td>looking for bubbles that indicate leaks.</td>
</tr>
<tr>
<td>• Make sure water separators are drained.</td>
<td>• Verify all fasteners and clamps are tight.</td>
</tr>
<tr>
<td>• Make sure the dust collector is empty and the</td>
<td>• Inspect suction lines carefully for spots that</td>
</tr>
<tr>
<td>filter is clean.</td>
<td>collapse or leak during operation.</td>
</tr>
<tr>
<td>• Verify the media is correct for task.</td>
<td>• Clean/vacuum dust buildup from inside cabinet</td>
</tr>
<tr>
<td>• Verify the air pressure is set correctly.</td>
<td>and off motor.</td>
</tr>
<tr>
<td>• Inspect for worn or damaged power cord.</td>
<td>• Inspect work gloves for holes or wear.</td>
</tr>
<tr>
<td>• Look for any unsafe condition.</td>
<td>• Empty cabinet, wipe down inside and inspect</td>
</tr>
<tr>
<td>• Replace window protective film for holes or</td>
<td>for leaks or damage.</td>
</tr>
<tr>
<td>excessive etching. Replace the sheets BEFORE</td>
<td>• Cover windows and repaint bare metal portions</td>
</tr>
<tr>
<td>they are worn through and the window is</td>
<td>of cabinet.</td>
</tr>
<tr>
<td>damaged.</td>
<td>• Remove filter and clean/replace as required.</td>
</tr>
<tr>
<td>• Rotate blast tips to compensate for wear.</td>
<td></td>
</tr>
<tr>
<td>• Blow out dust collector filter every five hours.</td>
<td></td>
</tr>
</tbody>
</table>

#### Cleaning

**WARNING**

Always disconnect power and the air supply to the machine before performing maintenance. Failure to do this may result in serious personal injury.

**WARNING**

Wear safety goggles and a respirator when cleaning the cabinet or the filter. Failure to comply can cause serious personal injury.

Wipe down the exterior of the cabinet with a light solution of mild dish soap and water, then dry with a clean towel. To avoid scratching windows, never wipe windows with wet or dry rags. Instead, vacuum media away and then gently brush the remnants off of the glass with a soft paint brush.

The blast cabinet is equipped with 6 3/4" diameter x 12" long pleated filter that is designed to filter media and contaminants from air that re-enters the shop. During operation, basic de-caking is done manually every 20 to 30 minutes with the canister plunger. Empty the canister (Figure 28) at least every five hours of use. Typically, this media is discarded as it has a high ratio of fine dust contaminants. For major cleaning, unlatch the top of the dust collector and remove the filter element. Inspect all sealing foam and replace as required. Clean the filter canister pleats by carefully blowing it from the inside out with compressed air. If usability of the filter is in question, or any holes or tears exist, replace it.

![Figure 28. Dust collector service.](image)
SECTION 7: SERVICE

Review the troubleshooting and procedures in this section to fix or adjust your machine if a problem develops. If you need replacement parts or you are unsure of your repair skills, then feel free to call our Technical Support at (570) 546-9663.

Troubleshooting

Operation

<table>
<thead>
<tr>
<th>Intermittent, clogging, or no media spray at the blast gun; or striping is occurring on the workpiece.</th>
<th>1. Suction tube has been clogged from a contaminant.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2. Incorrect media.</td>
</tr>
<tr>
<td></td>
<td>3. Worn or incorrect blast tip.</td>
</tr>
<tr>
<td></td>
<td>4. Low air flow or pressure up to cabinet.</td>
</tr>
<tr>
<td></td>
<td>5. Blasting system has incorrect air flow or pressure.</td>
</tr>
<tr>
<td></td>
<td>6. Cabinet is overloaded with media.</td>
</tr>
<tr>
<td></td>
<td>7. Blast gun is damaged or has bad seals.</td>
</tr>
<tr>
<td></td>
<td>8. Foot valve is damaged, clogged, or has leaks.</td>
</tr>
<tr>
<td>1. Cover blast tip and press the foot pedal to use air pressure to purge the foot valve and suction system. Repeat this step periodically during blasting operations.</td>
<td></td>
</tr>
<tr>
<td>2. Verify that the media chosen is the correct material for your blasting operation, and that the media is not worn out or contaminated with moisture. Screen or replace media as required.</td>
<td></td>
</tr>
<tr>
<td>3. Disconnect machine from air and inspect blast tip for wear and rotate ¼-turn to unworn tip area. Replace or install with correct blast tip.</td>
<td></td>
</tr>
<tr>
<td>4. Troubleshoot air supply system and verify the compressor, supply lines, moisture separators, and air dryers have the correct air flow and are in good working order.</td>
<td></td>
</tr>
<tr>
<td>5. Adjust the air regulator on cabinet to maintain correct air pressure and flow, and verify no hose kinks or clogs exist.</td>
<td></td>
</tr>
<tr>
<td>6. Remove media but leave just enough for blasting operation.</td>
<td></td>
</tr>
<tr>
<td>7. Disassemble blast gun, clean and reseal.</td>
<td></td>
</tr>
<tr>
<td>8. Clean and reseal foot valve.</td>
<td></td>
</tr>
</tbody>
</table>

-30-
## Motor and Electrical

<table>
<thead>
<tr>
<th>Symptom</th>
<th>Possible Cause</th>
<th>Possible Solution</th>
</tr>
</thead>
</table>
| Dust collector won’t start or circuit breaker trips. | 1. Damaged or loose power cord.  
2. ON/OFF switch at fault.  
3. Circuit breaker/fuse has tripped.  
4. Wiring at fault.  
5. Motor brushes at fault.  
6. Motor at fault. | 1. Re-secure and test the power cord. Replace as required.  
2. Test and replace open switch.  
3. Verify that a short does not exist and that the motor brushes are not shorted, replace motor brushes if required, and reset circuit breaker.  
4. Repair for open or shorted wiring connections.  
5. Replace motor brushes.  
6. Test and replace motor as required. |
| Lamp is dim or will not illuminate.          | 1. Lamp is burned out.  
2. Ballast is at fault.  
3. ON/OFF switch at fault.  
4. Wiring at fault. | 1. Replace both lamp bulbs.  
2. Replace ballast.  
3. Test and replace open switch.  
4. Repair for open or shorted wiring connections. |

---

### Filter Replacement

**WARNING**

Wear safety goggles and a respirator when cleaning the cabinet or the filter. Failure to comply can cause serious personal injury.

Replace the filter when it no longer cleans the air— even after being cleaned with compressed air.

**To replace the filter:**

1. **DISCONNECT MACHINE FROM POWER!**

2. Unlatch ([Figure 29](#)) the dust collector and lift the entire motor and filter unit out of the canister and place it on a workbench upside down.

3. Spin the wing nut off of the retaining stud, and remove the filter ([Figure 29](#)).

4. Place a new five-micron filter over the retaining stud, then reinstall the wing nut and the dust collector.

---

![Figure 29. Dust collector and filter.](#)
Motor Brush Replacement

During the life of your media blasting cabinet, you may find it necessary to replace the dust collector motor brushes. If the motor operates loudly, or the dust collector still has low suction after a new filter has been installed, the motor brushes likely have reached the end of their usable life and need to be replaced.

Tools Needed
- Phillips Screwdriver #2 .................................... 1
- Standard Screwdriver #2 .................................. 1
- Acetone and Cotton Rag................................. 1
- Crocus Cloth (From Local Auto Parts Store).... 1
- Brush Set........................................................... 1

To replace the brushes:

1. DISCONNECT MACHINE FROM POWER!

2. Unlatch the dust collector and lift the entire motor and filter unit out of the canister and place it on a workbench for ease of service (Figure 30).

3. Using the Phillips screwdriver, remove the four motor cover screws and the cover (Figure 30).

4. While pulling the fan cover upwards, use a standard screwdriver to slightly pry out the cover lock tangs (Figure 31) and remove the cover from the motor.

5. Using the Phillips screwdriver, remove the two retainer screws for each brush housing and remove the retainers (Figure 32).

Figure 30. Motor cover.

Figure 31. Brush removal.

Figure 32. Retainer removal.
6. Lift each brush housing out of its seat and unplug the power wire (Figure 33).

![Figure 33. Brush housing removal.](image)

7. Slide the brush assembly apart, clean the housings and brass sleeves with mineral spirits, and allow the parts to dry (Figure 34).

![Figure 34. Brush assembly.](image)

8. Reassemble the housings with the brass sleeves and the new carbon brushes (Figure 34) and set aside.

9. Inspect the commutator surface (Figure 35).

![Figure 35. Commutator.](image)

—If the brushes have worn deep grooves in the commutator, we recommend replacing the motor. Typically the labor involved with re-turning the commutator on a lathe and then undercutting the insulator segments far exceeds the price of a new motor.

—If the commutator only has minor wear and black-colored carbon tracking (Figure 35), use a fine crocus cloth to polish the commutator where the brushes ride. DO NOT use emery cloth or sandpaper to clean the commutator or you will make it out-of-round, which will cause the new brushes to arc, overheat, and wear out quickly.

Finish the cleaning process by using acetone and a cotton rag to wipe off any oils or contaminants from the commutator.

10. Insert the power wire spade terminal into the brush assembly between the brass sleeve and the housing (Figure 36).

![Figure 36. Brush power lead location.](image)
11. Place the brush housing into the brush seat on the motor, and place the retainer over the brush housing so the lock lug drops into the slot in the brush housing (Figure 37).

![Figure 37. Brush retainer installation.](image)

12. Install and tighten the brush housing retaining screws.

13. When the brush housings are installed, make sure to route the brush power wires well away from the commutator, as shown in Figure 38, or the commutator will wear into the wire, causing an electrical short.

![Figure 38. Safe power wire routing.](image)

14. Place the fan cover back onto the motor so the lock tangs lock onto the brush housings, as shown in Figure 39.

![Figure 39. Fan cover installation.](image)

15. Re-install the motor cover and the dust collector assembly into the canister, and latch the dust collector in place.

16. Test the dust collector operation.
SECTION 8: 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. 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.

⚠️ 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  LB  BLUE  BL
WHITE  W  BROWN  BR  YELLOW  YL  WHITE  WH
GREEN  GR  GRAY  GY  GREEN  GR  WHITE  WH
RED  RD  ORANGE  OR  PINK  P  TURQUOISE  Tu
Control Box Wiring Diagram

NOTICE

Wire colors shown here were accurate at time of printing, but they may vary over time. If wire colors on your unit are different than shown here, it does not necessarily mean the wire connection locations have changed.

125 PSI
Incoming
Air Supply

110 VAC
Plug

To Door
Limit Switches
Page 37

To Dust Collector Male Plug
Page 37

To Foot Pedal Switch
Page 37

110 VAC
Plug

Hot
Natural

Hot

Hot

Ground

Transformer
In: 110VAC 60Hz
Out: 16VAC

Worklamp Assembly

Bulb FL T8 18W

40W Ballast 110V-130V

Bulb FL T8 18W

Circuit Board

15A Fuse
Power Switch
Lamp Switch
Dust Collector Switch

Power Circuit
Door Circuit
Fixed Gun Circuit
Moveable Gun Circuit

To Door
Limit Switches
Page 37

To Hand Held Blast Gun
Page 39

To Foot Pedal Switch
Page 37

To Hole Held Blast Gun
Page 39

To Fixed Blast Gun
Page 39

Air Spool Valve
Air Control Solenoid

PSI Gauge

Air Regulator

Wire colors shown here were accurate at time of printing, but they may vary over time. If wire colors on your unit are different than shown here, it does not necessarily mean the wire connection locations have changed.
Components Wiring Diagram

**WARNING!**
SHOCK HAZARD! Disconnect power before working on wiring.

To Blast Cabinet Female Plug Page 36

To Circuit Board Page 36

Door Limit Switches are Solid State. Wire as follows:
- Brown: 10-30 VDC
- Black: PNP NO
- Blue: 0V

**Figure 45**
Dust Collector Motor

**Figure 46**
Foot Pedal Switch

**Figure 47**
Left Door Limit Switch

**Figure 47**
Right Door Limit Switch

*View this page in color at www.grizzly.com.*
Electrical Component Locations

Figure 41. Control system.

Figure 40. Lamp ballast.

Figure 42. Overall electrical system.

Figure 43. Dust collector unit.

Figure 44. Air control system.

Figure 45. Dust collector motor.

Figure 46. Foot switch.

Figure 47. Door limit switch.
## Parts List

<table>
<thead>
<tr>
<th>REF</th>
<th>PART #</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>P0707001</td>
<td>LED INDICATOR</td>
</tr>
<tr>
<td>2</td>
<td>P0707002</td>
<td>POWER SWITCH</td>
</tr>
<tr>
<td>3</td>
<td>P0707003</td>
<td>FUSE HOUSING</td>
</tr>
<tr>
<td>4</td>
<td>P0707004</td>
<td>FUSE 5 X 20MM 15A T15AL250VP</td>
</tr>
<tr>
<td>5</td>
<td>P0707005</td>
<td>CONTROL PANEL</td>
</tr>
<tr>
<td>6</td>
<td>P0707006</td>
<td>LAMP COVER</td>
</tr>
<tr>
<td>7</td>
<td>P0707007</td>
<td>LAMP COVER RETAINER CLIP</td>
</tr>
<tr>
<td>8</td>
<td>P0707008</td>
<td>HEX NUT M3-.5</td>
</tr>
<tr>
<td>9</td>
<td>P0707009</td>
<td>PHLP HD SCR M3-.5 X 10</td>
</tr>
<tr>
<td>10</td>
<td>P0707010</td>
<td>FLUORESCENT BULB 18W</td>
</tr>
<tr>
<td>11</td>
<td>P0707011</td>
<td>STRAIN RELIEF</td>
</tr>
<tr>
<td>12</td>
<td>P0707012</td>
<td>LAMP HOUSING</td>
</tr>
<tr>
<td>13</td>
<td>P0707013</td>
<td>LAMP SUPPORT</td>
</tr>
<tr>
<td>14</td>
<td>P0707014</td>
<td>CONTROL BOX COVER</td>
</tr>
<tr>
<td>15</td>
<td>P0707015</td>
<td>FLAT WASHER 4MM</td>
</tr>
<tr>
<td>16</td>
<td>P0707016</td>
<td>JET FITTING</td>
</tr>
<tr>
<td>17</td>
<td>P0707017</td>
<td>QUICK DISCONNECT FITTING 3/8&quot;</td>
</tr>
<tr>
<td>18</td>
<td>P0707018</td>
<td>BRASS NIPPLE</td>
</tr>
<tr>
<td>19</td>
<td>P0707019</td>
<td>AIR REGULATOR</td>
</tr>
<tr>
<td>20</td>
<td>P0707020</td>
<td>BRASS NIPPLE</td>
</tr>
<tr>
<td>21</td>
<td>P0707021</td>
<td>BRASS ELBOW</td>
</tr>
<tr>
<td>22</td>
<td>P0707022</td>
<td>MOUNTING PLATE</td>
</tr>
<tr>
<td>23</td>
<td>P0707023</td>
<td>AIR PRESSURE GAUGE</td>
</tr>
<tr>
<td>24</td>
<td>P0707024</td>
<td>LOCK WASHER 3MM</td>
</tr>
<tr>
<td>26</td>
<td>P0707026</td>
<td>FOOT PEDAL</td>
</tr>
<tr>
<td>27</td>
<td>P0707027</td>
<td>LEG</td>
</tr>
<tr>
<td>28</td>
<td>P0707028</td>
<td>DUMP CHUTE DOOR</td>
</tr>
<tr>
<td>29</td>
<td>P0707029</td>
<td>CABINET SCREW M6-1 X 12</td>
</tr>
<tr>
<td>30</td>
<td>P0707030</td>
<td>FLANGE NUT M6-1</td>
</tr>
<tr>
<td>31</td>
<td>P0707031</td>
<td>LATCH</td>
</tr>
<tr>
<td>35</td>
<td>P0707035</td>
<td>RUBBER GLOVE SET</td>
</tr>
<tr>
<td>36</td>
<td>P0707036</td>
<td>GLOVE CLAMP</td>
</tr>
<tr>
<td>37</td>
<td>P0707037</td>
<td>SUPPORT RING</td>
</tr>
<tr>
<td>38</td>
<td>P0707038</td>
<td>GLOVE MOUNTING RING</td>
</tr>
<tr>
<td>40</td>
<td>P0707040</td>
<td>LOCK NUT M6-1</td>
</tr>
<tr>
<td>42</td>
<td>P0707042</td>
<td>BLAST CABINET BODY</td>
</tr>
<tr>
<td>43</td>
<td>P0707043</td>
<td>VIEWING WINDOW SEAL</td>
</tr>
<tr>
<td>44</td>
<td>P0707044</td>
<td>WINDOW COVER FILM 23-1/2&quot; x 10&quot;</td>
</tr>
<tr>
<td>45</td>
<td>P0707045</td>
<td>VIEWING WINDOW GLASS</td>
</tr>
<tr>
<td>46</td>
<td>P0707046</td>
<td>PLEXIGLASS WINDOW</td>
</tr>
<tr>
<td>47</td>
<td>P0707047</td>
<td>WINDOW FRAME</td>
</tr>
<tr>
<td>48</td>
<td>P0707048</td>
<td>PHLP HD SCR M4-.7 X 25</td>
</tr>
<tr>
<td>49</td>
<td>P0707049</td>
<td>HEX NUT M4-.7</td>
</tr>
<tr>
<td>50</td>
<td>P0707050</td>
<td>CIRCUIT BOARD</td>
</tr>
<tr>
<td>51</td>
<td>P0707051</td>
<td>PHLP HD SCR M3-.5 X 20</td>
</tr>
<tr>
<td>52</td>
<td>P0707052</td>
<td>TRANSFORMER 120VAC/16VAC</td>
</tr>
<tr>
<td>53</td>
<td>P0707053</td>
<td>STRAIN RELIEF</td>
</tr>
<tr>
<td>54</td>
<td>P0707054</td>
<td>LAMP WINDOW GLASS</td>
</tr>
<tr>
<td>55</td>
<td>P0707055</td>
<td>LAMP WINDOW SEAL</td>
</tr>
<tr>
<td>56</td>
<td>P0707056</td>
<td>DUST COLLECTOR ASSEMBLY</td>
</tr>
<tr>
<td>56-1</td>
<td>P0707056-1</td>
<td>MOTOR COVER</td>
</tr>
<tr>
<td>56-2</td>
<td>P0707056-2</td>
<td>UNIVERSAL MOTOR 110V</td>
</tr>
<tr>
<td>56-3</td>
<td>P0707056-3</td>
<td>PLASTIC/BRASS BRUSH HOLDER</td>
</tr>
<tr>
<td>56-4</td>
<td>P0707056-4</td>
<td>CARBON BRUSH SET</td>
</tr>
<tr>
<td>56-5</td>
<td>P0707056-5</td>
<td>MAIN HOUSING</td>
</tr>
<tr>
<td>56-6</td>
<td>P0707056-6</td>
<td>MALE POWER CORD 3-WIRE 14-GA</td>
</tr>
<tr>
<td>56-7</td>
<td>P0707056-7</td>
<td>CARTRIDGE FILTER 5-MICRON</td>
</tr>
<tr>
<td>56-8</td>
<td>P0707056-8</td>
<td>CANISTER</td>
</tr>
<tr>
<td>56-9</td>
<td>P0707056-9</td>
<td>CANISTER PLUNGER W/SPRING</td>
</tr>
<tr>
<td>56-10</td>
<td>P0707056-10</td>
<td>CLEANOUT DOOR</td>
</tr>
<tr>
<td>57</td>
<td>P0707057</td>
<td>NIPPLE FITTING</td>
</tr>
<tr>
<td>58</td>
<td>P0707058</td>
<td>ELBOW FITTING</td>
</tr>
<tr>
<td>59</td>
<td>P0707059</td>
<td>SOLENOID VALVE</td>
</tr>
<tr>
<td>60</td>
<td>P0707060</td>
<td>SOLENOID NIPPLE FITTING</td>
</tr>
<tr>
<td>61</td>
<td>P0707061</td>
<td>SOLENOID ELBOW FITTING</td>
</tr>
<tr>
<td>63</td>
<td>P0707063</td>
<td>WORK TABLE</td>
</tr>
<tr>
<td>64</td>
<td>P0707064</td>
<td>RIGHT DOOR</td>
</tr>
<tr>
<td>65</td>
<td>P0707065</td>
<td>BLAST GUN ASSEMBLY</td>
</tr>
<tr>
<td>65-1</td>
<td>P0707065-1</td>
<td>MEDIA PORT</td>
</tr>
<tr>
<td>65-2</td>
<td>P0707065-2</td>
<td>AIR JET</td>
</tr>
<tr>
<td>65-3</td>
<td>P0707065-3</td>
<td>NOZZLE NUT</td>
</tr>
<tr>
<td>65-4</td>
<td>P0707065-4</td>
<td>DOWEL PIN</td>
</tr>
<tr>
<td>65-5</td>
<td>P0707065-5</td>
<td>TRIGGER</td>
</tr>
<tr>
<td>65-6</td>
<td>P0707065-6</td>
<td>O-RING 6.6 X 3</td>
</tr>
<tr>
<td>65-7</td>
<td>P0707065-7</td>
<td>METERING PIN</td>
</tr>
<tr>
<td>65-8</td>
<td>P0707065-8</td>
<td>COMPRESSION SPRING</td>
</tr>
<tr>
<td>65-9</td>
<td>P0707065-9</td>
<td>O-RING 9.8 X 1.9 P10</td>
</tr>
<tr>
<td>65-10</td>
<td>P0707065-10</td>
<td>PLUG</td>
</tr>
<tr>
<td>65-11</td>
<td>P0707065-11</td>
<td>PUSH-ON FITTING 3/8&quot;</td>
</tr>
<tr>
<td>65-12</td>
<td>P0707065-12</td>
<td>BLAST GUN BODY</td>
</tr>
<tr>
<td>66</td>
<td>P0707066</td>
<td>AIR HOSE</td>
</tr>
<tr>
<td>67</td>
<td>P0707067</td>
<td>FIXED GUN ASSEMBLY</td>
</tr>
<tr>
<td>67-1</td>
<td>P0707067-1</td>
<td>CONNECTOR FITTING</td>
</tr>
<tr>
<td>67-2</td>
<td>P0707067-2</td>
<td>MEDIA PORT</td>
</tr>
<tr>
<td>67-3</td>
<td>P0707067-3</td>
<td>BRASS JET</td>
</tr>
<tr>
<td>67-4</td>
<td>P0707067-4</td>
<td>NOZZLE NUT</td>
</tr>
<tr>
<td>68</td>
<td>P0707068</td>
<td>FENDER WASHER 6MM</td>
</tr>
<tr>
<td>69</td>
<td>P0707069</td>
<td>DRAW TUBE</td>
</tr>
<tr>
<td>70</td>
<td>P0707070</td>
<td>LARGE WINDOW COVER FILM (5 PACK)</td>
</tr>
<tr>
<td>71</td>
<td>P0707071</td>
<td>AIR HOSE 1/2&quot; ID</td>
</tr>
<tr>
<td>72</td>
<td>P0707072</td>
<td>HOSE CLAMP 1/2&quot;</td>
</tr>
<tr>
<td>73</td>
<td>P0707073</td>
<td>MEDIA HOSE 1/2&quot; ID</td>
</tr>
<tr>
<td>75</td>
<td>P0707075</td>
<td>SMALL WINDOW COVER FILM (5 PACK)</td>
</tr>
<tr>
<td>76</td>
<td>P0707076</td>
<td>ADHESIVE DOOR SEAL 3/8&quot; x 1&quot; x 79&quot;</td>
</tr>
<tr>
<td>79</td>
<td>P0707079</td>
<td>PHLP HD SCR M4-.7 X 6</td>
</tr>
<tr>
<td>80</td>
<td>P0707080</td>
<td>TEFLOW TAPE</td>
</tr>
<tr>
<td>81</td>
<td>P0707081</td>
<td>LATCH RECEIVER</td>
</tr>
<tr>
<td>82</td>
<td>P0707082</td>
<td>WINDOW COVER FILM 21-1/2&quot; x 4&quot;</td>
</tr>
<tr>
<td>83</td>
<td>P0707083</td>
<td>LEFT DOOR</td>
</tr>
<tr>
<td>84</td>
<td>P0707084</td>
<td>RUBBER GROMMET</td>
</tr>
<tr>
<td>85</td>
<td>P0707085</td>
<td>BAFFLE PLATE</td>
</tr>
<tr>
<td>86</td>
<td>P0707079</td>
<td>FLAT WASHER 4MM</td>
</tr>
<tr>
<td>87</td>
<td>P0707087</td>
<td>DOOR LEVER</td>
</tr>
<tr>
<td>88</td>
<td>P0707088</td>
<td>LIMIT SWITCH</td>
</tr>
<tr>
<td>89</td>
<td>P0707089</td>
<td>CROSS BRACE</td>
</tr>
<tr>
<td>90</td>
<td>P0707090</td>
<td>BLAST TIP 6MM ID</td>
</tr>
<tr>
<td>90A</td>
<td>P0707090A</td>
<td>NOZZLE SET 4PC</td>
</tr>
<tr>
<td>91</td>
<td>P0707091</td>
<td>BLAST TIP 5MM ID</td>
</tr>
<tr>
<td>92</td>
<td>P0707092</td>
<td>LATCH ASSEMBLY</td>
</tr>
<tr>
<td>93</td>
<td>P0707093</td>
<td>FEMALE POWER CORD 3-WIRE 14-GA</td>
</tr>
<tr>
<td>94</td>
<td>P0707094</td>
<td>MACHINE POWER CORD 3-WIRE 14-GA</td>
</tr>
<tr>
<td>95</td>
<td>P0707095</td>
<td>FLAT HD SCR M5-.8 X 10</td>
</tr>
<tr>
<td>96</td>
<td>P0707096</td>
<td>HEX NUT M5-.8</td>
</tr>
<tr>
<td>98</td>
<td>P0707098</td>
<td>BALLAST 110V-130V 40-WATT</td>
</tr>
</tbody>
</table>

Model G0707 (Mfd. Since 01/15)
Label Placement & Parts List

Safety labels warn about machine hazards and ways to prevent injury. The owner of this machine MUST maintain the original location and readability of the labels on the machine. If any label is removed or becomes unreadable, REPLACE that label before using the machine again. Contact Grizzly at (800) 523-4777 or www.grizzly.com to order new labels.

<table>
<thead>
<tr>
<th>REF</th>
<th>PART #</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>100</td>
<td>P0707100</td>
<td>MACHINE ID LABEL</td>
</tr>
<tr>
<td>101</td>
<td>PLABEL-12A</td>
<td>READ MANUAL LABEL</td>
</tr>
<tr>
<td>102</td>
<td>PLABEL-57</td>
<td>GLASSES/RESPIRATOR LABEL</td>
</tr>
<tr>
<td>103</td>
<td>P0707103</td>
<td>DISCONNECT AIR/POWER LABEL</td>
</tr>
<tr>
<td>104</td>
<td>P0708104</td>
<td>DUST WARNING LABEL</td>
</tr>
<tr>
<td>105</td>
<td>P0707105</td>
<td>MODEL NUMBER LABEL</td>
</tr>
<tr>
<td>106</td>
<td>P0707106</td>
<td>AIR PRESSURE HAZARD LABEL</td>
</tr>
<tr>
<td>108</td>
<td>P0707108</td>
<td>FILTER CLEANING LABEL</td>
</tr>
<tr>
<td>109</td>
<td>P0707109</td>
<td>GENERAL WARNING LABEL</td>
</tr>
</tbody>
</table>
WARRANTY CARD

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?
   - Cabinetmaker & FDM
   - Family Handyman
   - Hand Loader
   - Handy
   - Home Shop Machinist
   - Journal of Light Cont.
   - Live Steam
   - Model Airplane News
   - Old House Journal
   - Popular Mechanics
   - Popular Science
   - Precision Shooter
   - Projects in Metal
   - RC Modeler
   - Rifle
   - Shop Notes
   - Shotgun News
   - Today’s Homeowner
   - Wood
   - Wooden Boat
   - Woodshop News
   - Woodsmith
   - Woodwork
   - Woodworker West
   - Woodworker’s Journal
   - Other:

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:

_________________________________________________________________________________

_________________________________________________________________________________

_________________________________________________________________________________
Send a Grizzly Catalog to a friend:

Name ____________________________________________
Street ___________________________________________
City _______________ State _______ Zip ________

TAPE ALONG EDGES--PLEASE DO NOT STAPLE
WARRANTY AND 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.
Visit Our Website Today For Current Specials!

ORDER
24 HOURS A DAY!
1-800-523-4777