

*Eastwood*<sup>®</sup>

DO THE JOB RIGHT.<sup>®</sup>

Item #66294

# B120 ABRASIVE MEDIA BLAST CABINET

## ASSEMBLY AND OPERATING INSTRUCTIONS



The **EASTWOOD B120 ABRASIVE MEDIA BLAST CABINET** is constructed of heavy gauge steel with a quality powder coated finish for maximum durability and trouble-free service. It features a high-intensity LED work lamp for increased visibility and a baffled, flow-through ventilation design with an included integral, high-capacity vacuum unit to maintain excellent visibility when blasting. The Anti-Purge Valve has an adjustable venturi to perfect the feeding of media through the hose. Hand trigger fatigue is a non-issue with the foot pedal operated Blasting Gun design. The top lid and side doors provide multiple avenues for accessing the blasting chamber when blasting a variety of items.

## INCLUDES

### COMPONENTS; CRATE

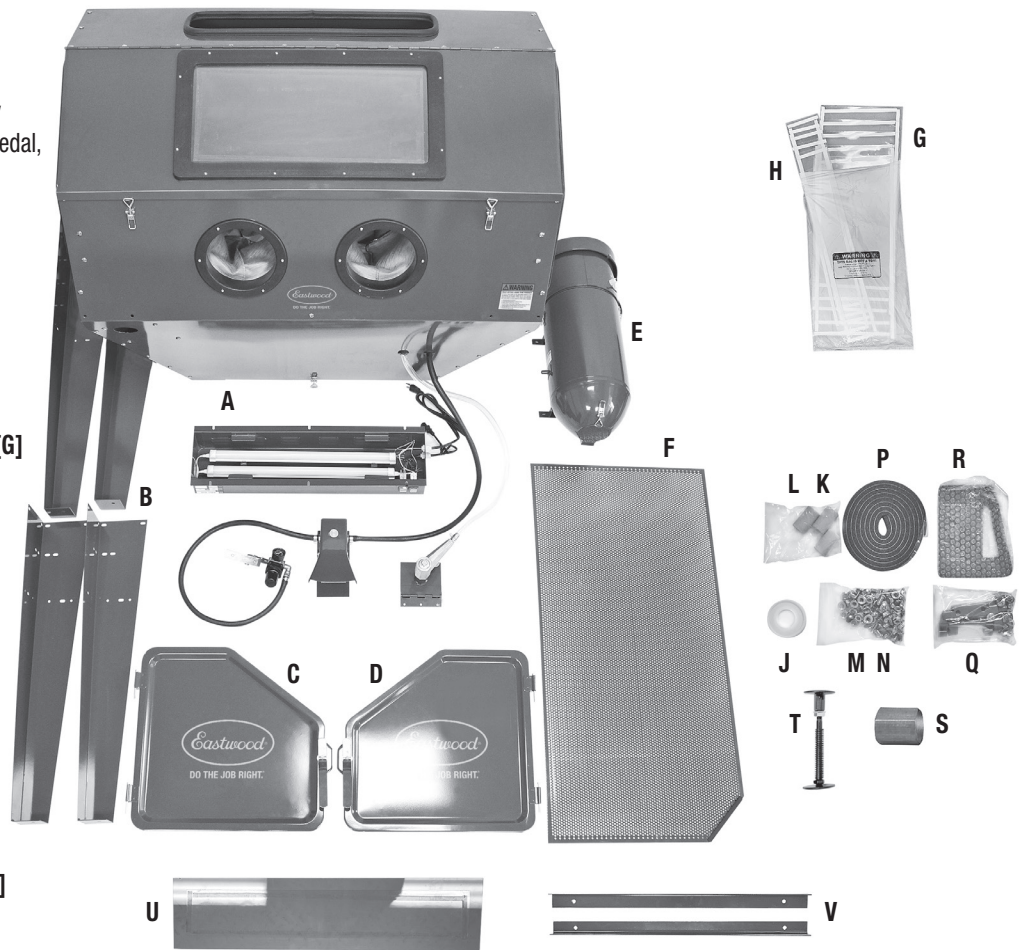
- (1) Abrasive Media Blast Cabinet Assembly with Anti Purge Valve, Regulator/Foot Pedal, and Light Fixture Assemblies partially installed [A]
- (4) Legs [B]
- (1) Left Side Door Assembly [C]
- (1) Right Side Door Assembly [D]
- (1) Dust Collector Assembly [E]
- (1) Perforated Floor Panel [F]
- (6) Viewing Glass Window Protective Film [G]
- (5) Glass Lamp Panel Protective Film [H]

### COMPONENTS/HARDWARE; BOX A

- (1) PTFE Tape Roll [J]
- (2) Nozzle, 6mm (one pre-installed) [K]
- (2) Nozzle, 7mm [L]
- (44) M6 x 12mm Pan Head Screw [M]
- (44) M6 Serrated Flange Nut [N]
- (1) Sealing Foam Roll [P]
- (4) Side Door Hinge Half [Q]
- (2) Side Door Latch Strike Plate [R]
- (1) 3/8" FNPT to 1/4" FNPT Air Adapter [S]
- (1) Plunger Assembly [T]

### COMPONENTS; BOX B

- (1) Glass Lamp Panel [U]
- (2) Leg Brace [V]



## REQUIRED FOR USE

- The inlet air supply must have a moisture separator capable of removing all moisture and impurities from the air supply. Moisture and/or oil in the air supply will cause clumping and clogging of the abrasive media.
- The included regulator must be used to limit incoming air pressure 125 psi maximum. Excessive air pressure can cause permanent damage to the unit and possible serious personal injury from bursting.
- For best results, a compressor capable of providing a minimum of 12 CFM @ 90 psi is required. Less available CFM will not provide sufficient force to allow the Blaster to adequately remove rust or paint.
- The use of Eastwood blast media is strongly recommended for proper operation. Avoid using excessively large media grits which can block the Nozzle.

## SPECIFICATIONS

- Power Requirement:** 120 VAC, 15A, 60Hz
- Air Supply Requirement:** Minimum 12 CFM @ 90 psi
- Internal Dimensions:** 48" wide x 24" deep x 24" high
- Part Weight Capacity:** 220 lbs. [100 kg]
- Media Weight Capacity:** 150 lbs. [68 kg]

# SAFETY INFORMATION

The following explanations are displayed in this manual, on the labeling, and on all other information provided with this product:

## **⚠ DANGER**

DANGER indicates a hazardous situation which, if not avoided, will result in death or serious injury.

## **⚠ WARNING**

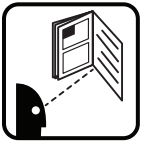
WARNING indicates a hazardous situation which, if not avoided, could result in death or serious injury.

## **⚠ CAUTION**

CAUTION indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

## **⚠ NOTICE**

NOTICE is used to address practices not related to personal injury.



### **⚠ READ INSTRUCTIONS**

- Thoroughly read and understand this manual before using.
- Save for future reference.



### **⚠ WARNING HEALTH AND INJURY HAZARDS!**

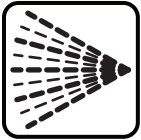
- Silica based abrasives have been linked to severe respiratory disease. Avoid breathing dust produced by the Blast Cabinet. Always wear appropriate NIOSH approved breathing apparatus. **DO NOT** use any sand or silica-based abrasives with this Blast Cabinet.
- The Blasting Gun will eject particles, dust and sharp fragments at high velocity during operation. Eye protection should be worn at all times when operating this tool. Use ANSI approved safety glasses.
- Operating the Blast Cabinet in an indoor area without the vacuum operating can pose serious respiratory hazards. Always make sure the vacuum is operating and the Top Lid and Side Doors are closed and latched before blasting.
- Failure to maintain the vacuum unit can result in dust seeping out. This is a serious health hazard! Stop blasting immediately and follow the vacuum filter cleaning and maintenance procedure before resuming work.
- The Blasting Gun will rapidly release media at high velocity while connected to an air supply if accidentally triggered. **ALWAYS** disconnect the Blast Cabinet from the air supply before opening the Top Lid or Side Doors.
- Excessive air pressure can cause the hoses to burst, resulting in tool damage and personal injury. **DO NOT** exceed 125 psi [8.6 bar] of inlet air pressure to the tool.
- Abrasive Blasting can generate excessive noise. Wear appropriate ANSI approved hearing protection while operating.
- Skin contact with the abrasive blast stream can cause severe skin and tissue damage. Always utilize the built-in protective abrasive blasting gloves and inspect them for any damage before each use. If damage is observed, immediately discontinue use and replace the glove.
- Abrasive blasting can also pose serious health hazards to bystanders. Always make sure any persons or pets are protected from the blasting hazards described in this manual.



### **⚠ WARNING FIRE HAZARD!**

- Some abrasive blast media will spark as it removes material. Never blast items that are flammable or are saturated with highly flammable substances (eg. uncleaned fuel system components).

# SAFETY INFORMATION



## **⚠ CAUTION HEALTH AND INJURY HAZARDS!**

- The Eastwood Abrasive Media Blast Cabinet consists of large, heavy metal components which can cause potentially serious personal injury and property damage if allowed to drop. Avoid pinching hands while handling parts and always wear thick, well-fitting work gloves during assembly. The assistance of a helper during assembly is necessary. The use of safety toe shoes is recommended.
- The high velocity media stream produced by this Abrasive Blaster can abrade and remove exposed flesh causing serious injury. Never operate the Blast Cabinet with the Front Lid or Side Doors unlatched.
- Workpieces may have sharp edges, and it is easy to pinch your fingers while loading and unloading the Blast Cabinet. We highly recommend wearing thick, well-fitting work gloves when handling workpieces.
- Always dispose of exhausted media properly following all local hazardous material disposal regulations. Hazardous materials such as lead, zinc chromate, etc. may be present in coatings being removed. Additional protection may be required in the presence of these substances.
- Air hoses and power cords pose a tripping hazard. Blast media buildup on the floor can be very slippery and difficult to see. Exercise caution when moving around the Blast Cabinet, and always make sure you are sure-footed.
- Use on a flat, level, and sturdy surface only. The Blast Cabinet fully loaded can exceed 650 lbs. [295 kg]. Do not use on sloped surfaces or attach casters to the unit.



## **⚠ CAUTION SHOCK HAZARD!**

- Under certain conditions (eg. low atmospheric humidity levels, type of media being used and/or type of material being blasted), the friction of abrasive blasting may generate static electricity resulting in shock to the user. This discharge could adversely affect devices such as cardiac pacemakers. We highly recommend grounding the Blast Cabinet to earth to minimize shock risk.

## **⚠ CAUTION DO NOT OVERLOAD!**

- Do not exceed the 220 lbs. [100 kg] workpiece weight capacity. Overloading could result in property damage and personal injury.



## **⚠ NOTICE**

- Always clean or degrease items before loading them into the Blast Cabinet. Cleaning will reduce media contamination, improve blasting effect, and ensure no flammable substances are present.
- Disconnect from power and air supply when not in use.

# ASSEMBLY

## **CAUTION**

The Eastwood Abrasive Media Blast Cabinet consists of large, heavy metal components which can cause potentially serious injuries if allowed to drop. Avoid pinching hands while handling parts and always wear thick, well-fitting work gloves during assembly. The assistance of a helper during assembly is necessary. The use of safety shoes is recommended.

### PREPARING BLAST CABINET FOR ASSEMBLY

- With a capable helper, carefully set the Blast Cabinet Assembly [A] on its back onto a secure working surface with the round glove holes facing upward (FIG 1).

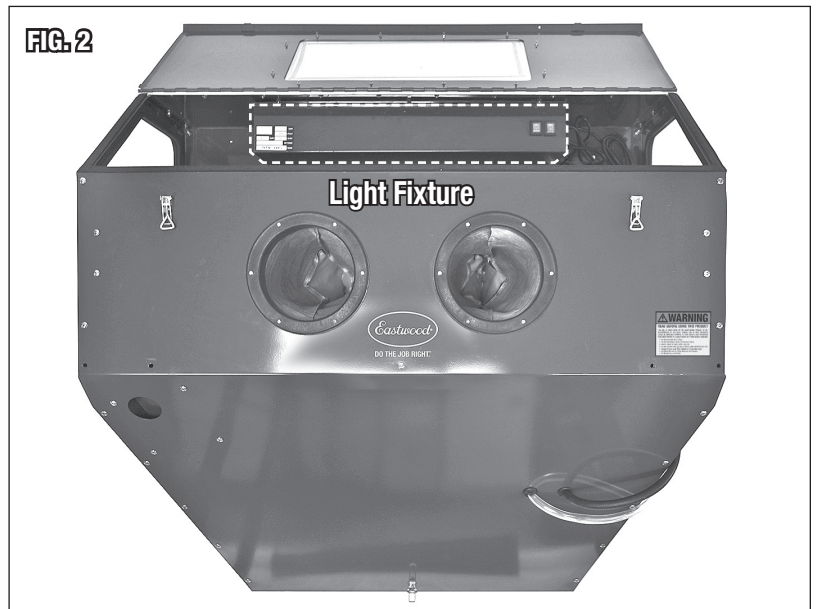
### REMOVE LIGHT FIXTURE FROM SHIPPING POSITION

- Unfasten the latches holding the Front Lid closed and carefully open it (FIG 2).
- Reach in and while supporting the Light Fixture, loosen the six M6 screws holding it in place at the underside of the roof of the Cabinet.
- Carefully withdraw the Light Fixture from the Blast Cabinet. Set the Light Fixture aside in a secure location, along with the screws removed, for installation later.
- Close and relatch the Front Lid to prevent accidental damage during assembly.

FIG. 1



FIG. 2



### ATTACH LEGS TO THE BLAST CABINET

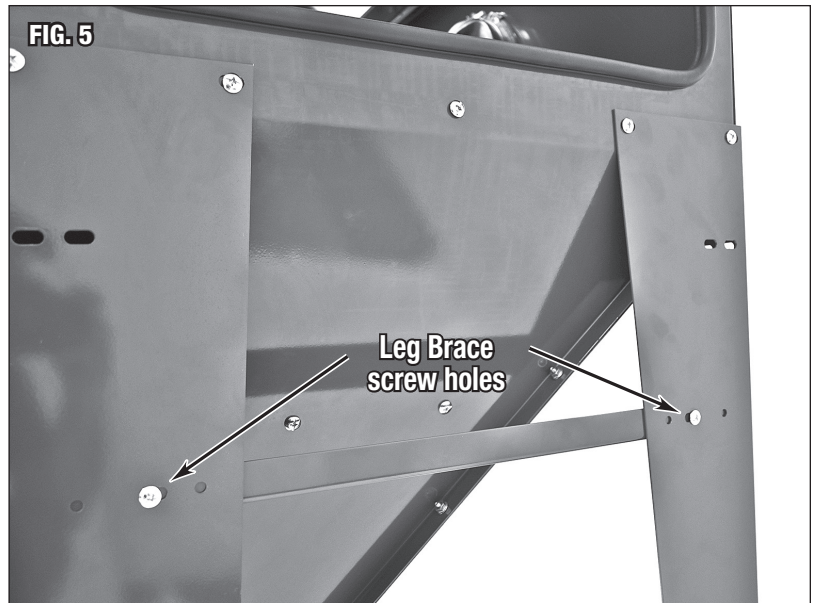
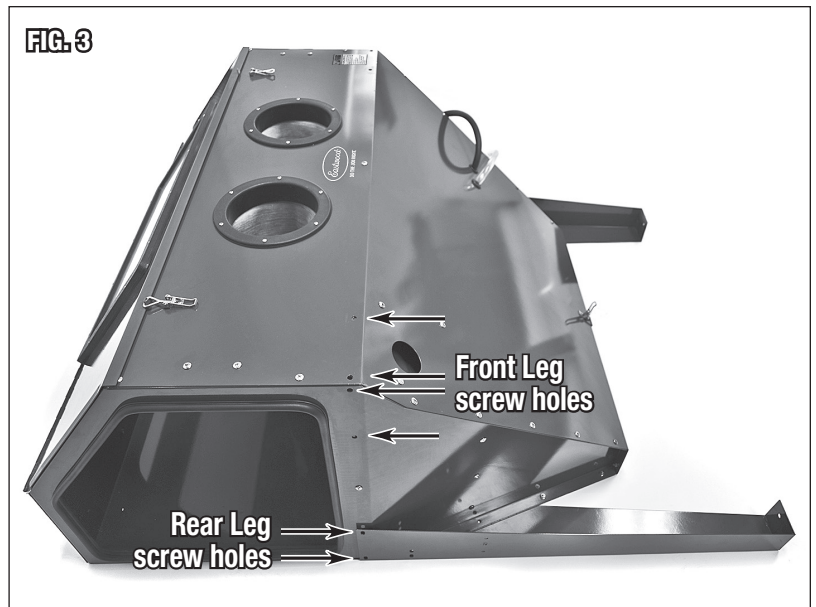
- Slide a Leg [B] under the rear, lower corner of the Blast Cabinet as a rear leg. Align the two exposed screw holes at the side (FIG 3).  
**NOTE:** The four remaining screw holes are inaccessible at the rear of the Blast Cabinet at this point. Those screws will be installed later with the unit upright.
- Pass two M6 x 12mm Pan Head Screws [M] through the holes from the outside and install M6 Serrated Flange Nuts [N] on the inside. Tighten securely.
- Place another Leg [B] over the front corner of the Blast Cabinet and align the four holes.  
**NOTE:** It is advisable to have a helper support the Leg while aligning holes and installing hardware. Insert four M6 x 12mm Pan Head Screws [M] from the outside and add M6 Serrated Flange Nuts [N] (FIG 3).
- Repeat for front and rear legs on the opposite side (FIG 4).

### ADD LEG SIDE BRACES TO LEGS

- Install the Leg Braces [V] on both sides of the unit using two M6 x 12mm Pan Head Screws [M] and M6 Serrated Flange Nuts [N] on each brace (FIG 5). Tighten securely.
- Make sure the Front Lid is closed and latched to prevent accidental damage while lifting.

#### **CAUTION** TEAM LIFT REQUIRED!

The Eastwood Abrasive Media Blast Cabinet consists of large, heavy metal components which can cause potentially serious personal injury and property damage if allowed to drop. Avoid pinching hands while handling parts and always wear thick, well-fitting work gloves during assembly. The assistance of a helper during assembly is necessary. The use of safety shoes is recommended.

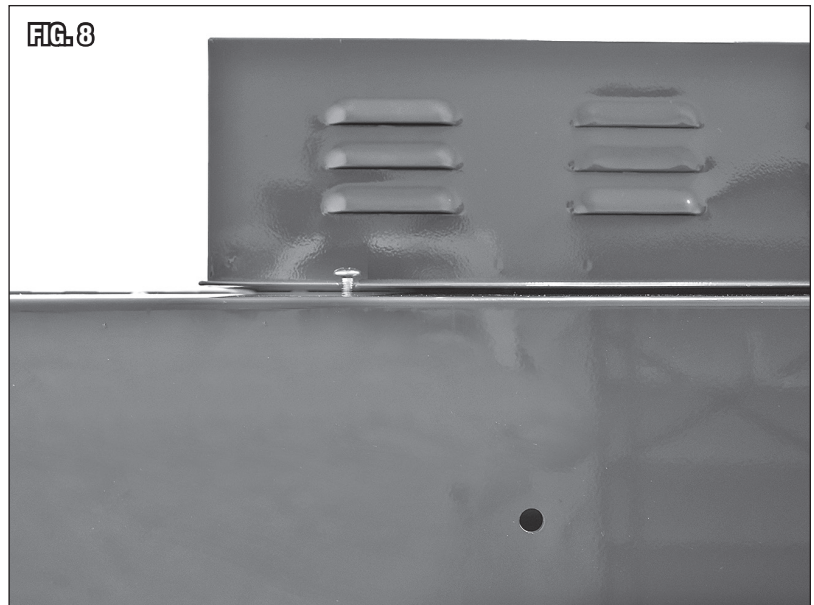
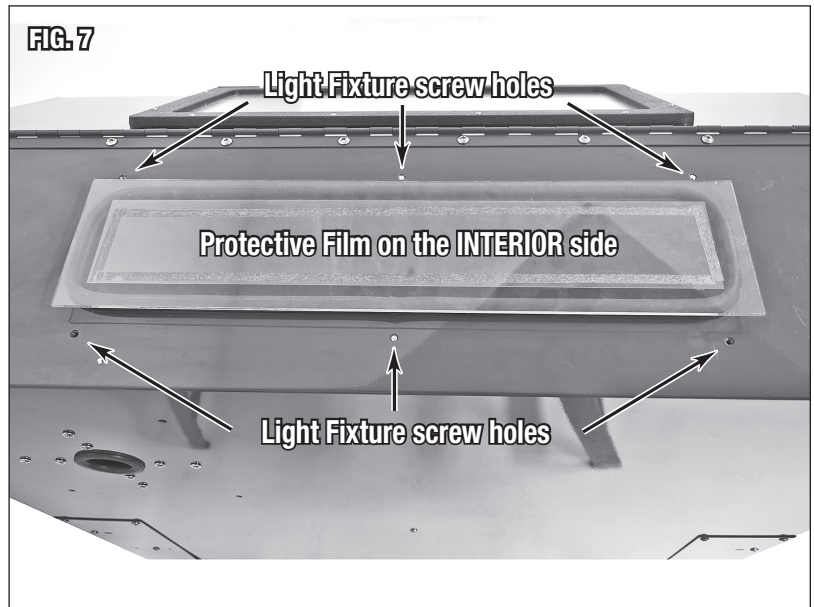


- With the assistance of a helper, gently lift the Blast Cabinet slowly and steadily to upright position. **DO NOT** place excessive load on the rear legs, as they are not yet fully fastened and damage could be incurred.
- Finish fastening of the rear legs by installing four M6 x 12mm Pan Head Screws **[M]** and M6 Serrated Flange Nuts **[N]** at each leg (**FIG 6**). Tighten all hardware securely.

**INSTALL LIGHT FIXTURE AND GLASS PANEL TO THE BLAST CABINET**

**⚠ CAUTION SHARP EDGES!**  
Wear appropriate work gloves to avoid receiving cuts from sharp edges of the Glass Lamp Panel.

- Set and center the Glass Lamp Panel **[U]** over the rubber seal with the protective film covered side toward the interior of the Blast Cabinet (**FIG 7**).
- Place the Light Fixture with Switch facing forward on top of the Glass Lamp Panel **[U]** and align the six mounting slots to the Light Fixture mount holes (**FIG 7**).
- Re-install the six screws previously set aside to secure the Light Fixture.  
**NOTE:** No nuts are required here. The Blast Cabinet has pre-installed weld-nuts to receive the screws (**FIG 8**).



### INSTALL THE PERFORATED BLAST CABINET FLOOR

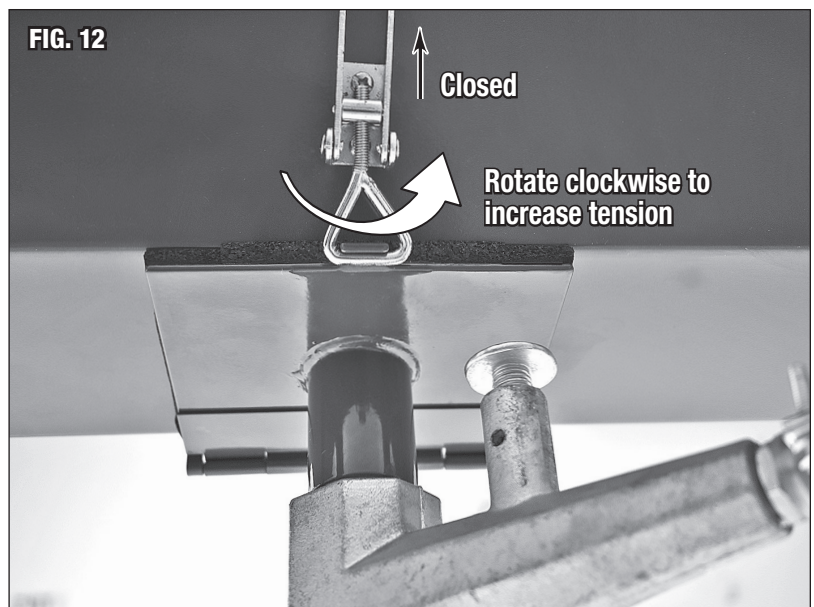
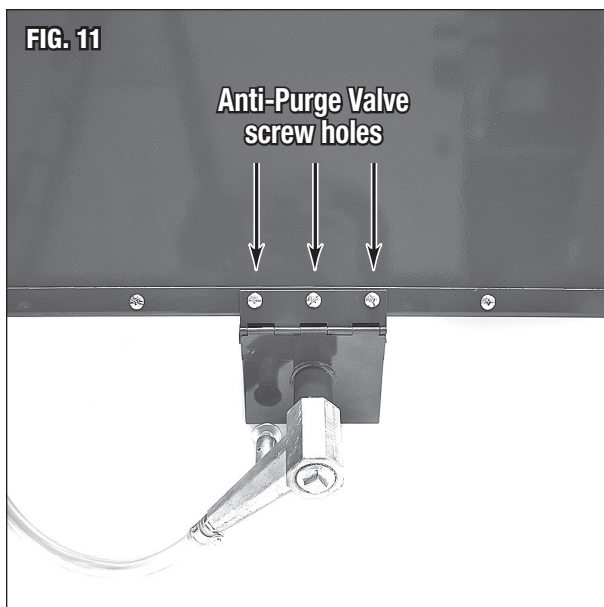
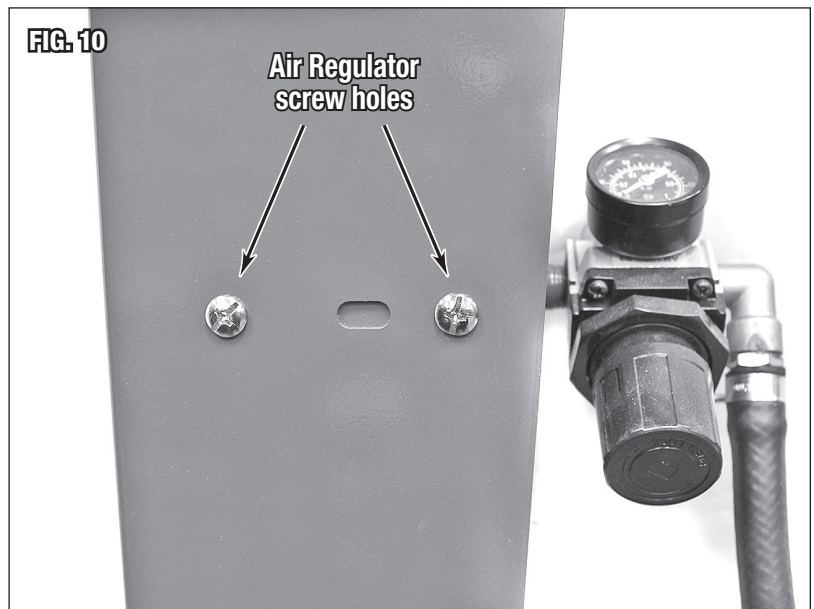
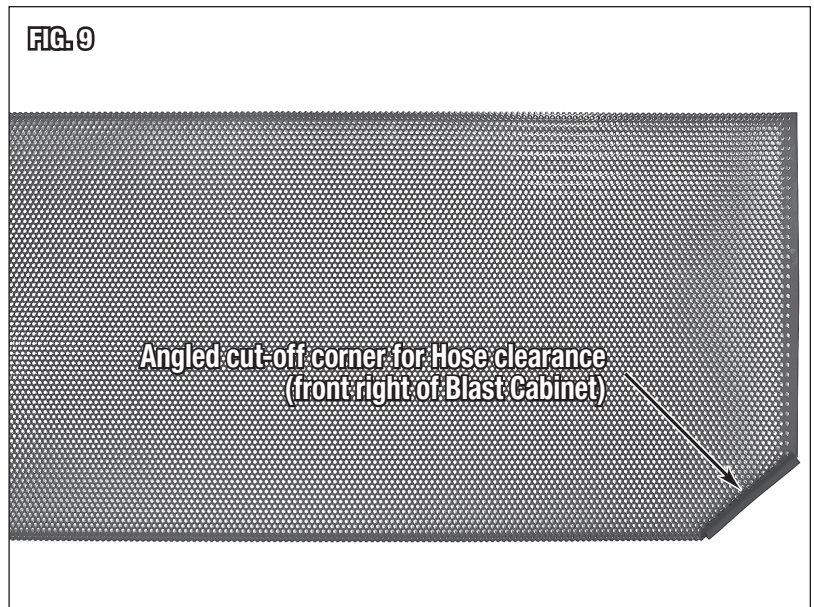
- Let the Blasting Gun and Hoses hang out of the right front corner of the Blast Cabinet.
- Insert the Perforated Floor Panel [F] through one of the Blast Cabinet side openings with the angled cut off corner toward the right front of the Cabinet to allow space for the hoses (FIG 9). Rest the edges on the internal support flanges.

### MOUNT THE AIR REGULATOR/FOOT PEDAL ASSEMBLY

- Set the Air Regulator in place on the upper front face of the left leg, align the mounting holes of the bracket with the two holes in the Leg and secure it by installing two M6 x 12mm Pan Head Screws [M] and M6 Serrated Flange Nuts [N] (FIG 10).

### MOUNT THE ANTI-PURGE VALVE

- Install the Anti-Purge Valve by installing three M6 x 12mm Pan Head Screws [M] and M6 Serrated Flange Nuts [N] through the hinge into the back of the Blast Cabinet (FIG 11).
- Use the latch on the front of the Blast Cabinet to lock the Anti-Purge Valve door closed (FIG 12).
- Verify the latch is creating adequate pressure on the seal so that media does not leak. If not, adjust the latch clockwise to increase pressure (FIG 12) until the seal is adequate and media will not leak.



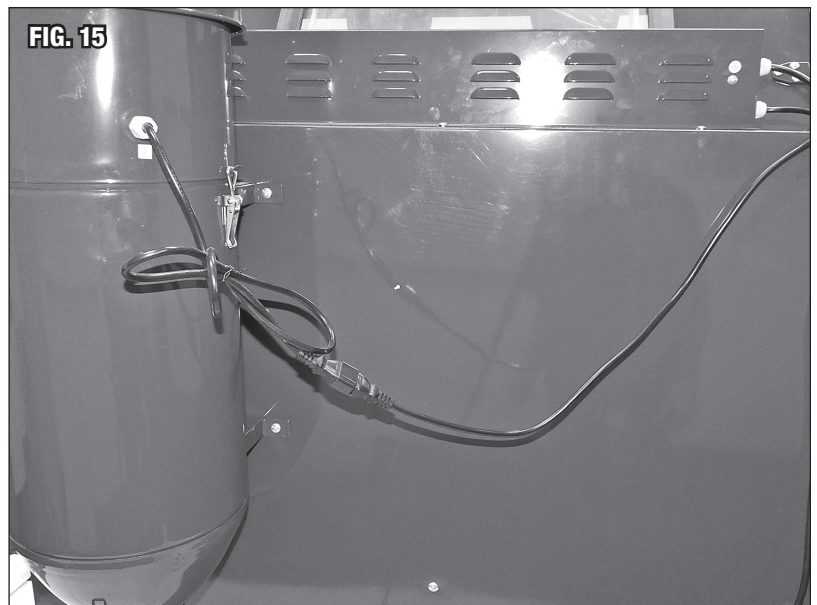
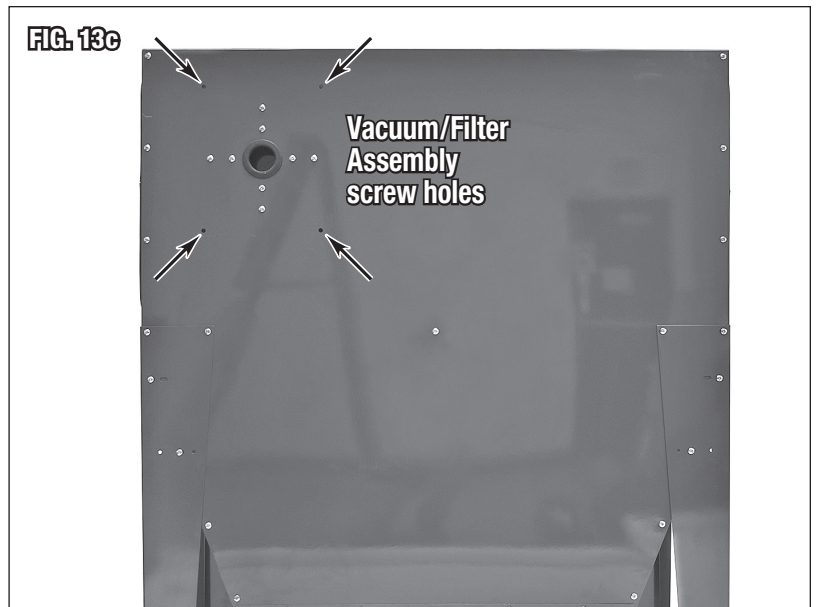
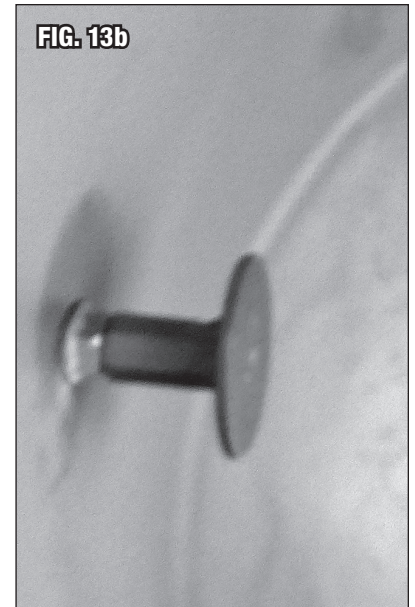
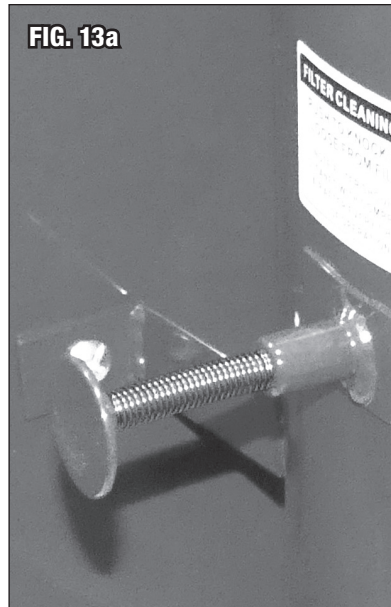


## INSTALL THE VACUUM/FILTER ASSEMBLY TO THE BLAST CABINET

### ⚠ NOTICE

The Vacuum/Filter Assembly is moderately heavy, and it is best to remove the Motor and Filter before installing on the Blast Cabinet. Also, the assistance of a capable helper is necessary.

- Place the Vacuum/Filter Assembly on the floor and unlatch the two latches.
- Pull the Motor & Filter out of the top of the Housing and set it aside.
- Before mounting, now is a good time to install the Plunger Assembly [T] to the Housing. Unthread and separate the 2 sections of the Plunger Assembly, leaving the Spring in place over the stem.
- Insert the Plunger stem with the Spring into the open port of the Housing wall (FIG 13a).
- Thread the inner Striker Head onto the threaded stem and lock into place with the supplied Locknut (FIG 13b).
- With the assistance of a helper, align the mounting holes of the brackets with the four holes at the right rear wall of the Blast Cabinet. Secure it in place using four M6 x 12mm Pan Head Screws [M] and M6 Serrated Flange Nuts [N] (FIG 13c).
- Carefully lower the Motor/Filter Assembly back into the mounted Housing and relatch it securely (FIG 14).
- Connect the Plug on the power supply cord with the female Receptacle on the cord attached to the Light Fixture (FIG 15).



## INSTALL THE SIDE DOORS

- Install two Side Door Hinge Halves [Q] on each side of the Blast Cabinet (FIG 16). In total eight M6 x 12mm Pan Head Screws [M] and M6 Serrated Flange Nuts [N] are required. Orientation does not matter.
- Install a Side Door Latch Strike Plate [R] at each side of the Blast Cabinet (FIG 17). Mount each plate with the pre-installed hardware.
- Install the Left Side Door Assembly [C] and Right Side Door Assembly [D] to the Blast Cabinet using the hinge pins pre-installed to the assemblies (FIG 18).
- If necessary, adjust the positions of the slotted Strike Plates so ample pressure is applied by the Side Doors when closed to prevent media leaks (FIG 17).
- The Eastwood B120 Abrasive Media Blast Cabinet is now fully assembled and ready for set-up.

## BLAST CABINET SET-UP

- Add Eastwood approved Blast Media. Fill to within 10" of the Perforated Floor support flanges. DO NOT OVERFILL. Overfilling will degrade performance.  
**DO NOT USE SAND IN THIS BLAST CABINET!**  
**NOTE:** For best results and to avoid nozzle clogging, do not use media larger than 60 grit particle size.
- Connect to a clean and dry 90 psi, 12 CFM minimum air source. The connection on the Blast Cabinet Air Regulator is 3/8" MNPT. Included is a 3/8" FNPT to 1/4" FNPT Air Adapter [S] if you wish to utilize a 1/4" NPT connection.
- Connect the power plug to a properly grounded, 120 VAC, 15 Amp, 60 Hz outlet.

### **NOTICE**

The inlet air supply **MUST** have a moisture separator capable of removing all moisture and impurities from the air supply. Moisture and/or oil in the air supply will cause clumping and clogging of the media. The Eastwood #34103 Moisture Separator (not included) works well to remove moisture.

FIG. 16



FIG. 17

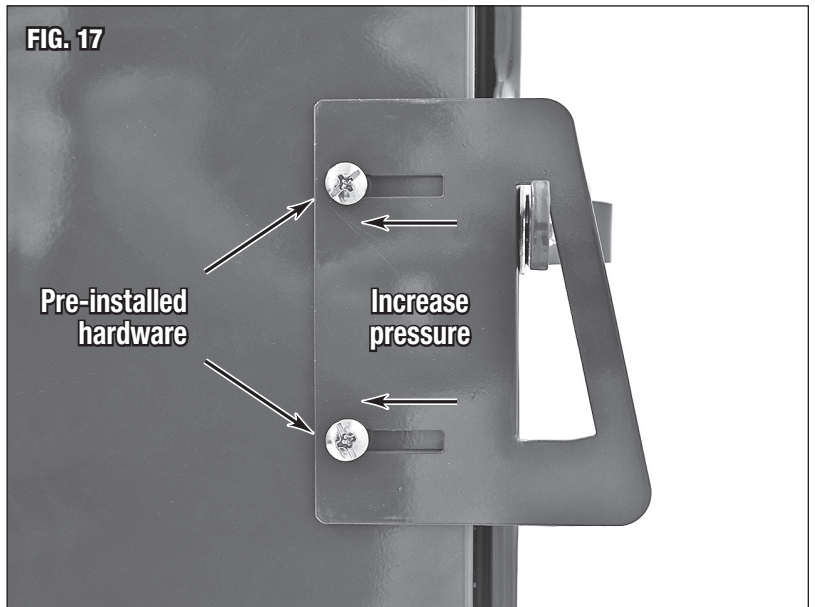


FIG. 18



# BLAST CABINET OPERATION

## **⚠ WARNING** HEALTH AND INJURY HAZARDS!

- Silica based abrasives have been linked to severe respiratory disease. Avoid breathing dust produced by the Blast Cabinet. Always wear appropriate NIOSH approved breathing apparatus. **DO NOT** use any sand or silica-based abrasives with this Blast Cabinet.
- The Blasting Gun will eject particles, dust and sharp fragments at high velocity during operation. Eye protection should be worn at all times when operating this tool. Use ANSI approved safety glasses.
- Operating the Blast Cabinet in an indoor area without the vacuum operating can pose serious respiratory hazards. Always make sure the vacuum is operating and the Top Lid and Side Doors are closed and latched before blasting.
- Failure to maintain the vacuum unit can result in dust seeping out. This is a serious health hazard! Stop blasting immediately and follow the vacuum filter cleaning and maintenance procedure before resuming work.
- The Blasting Gun will rapidly release media at high velocity while connected to an air supply if accidentally triggered. **ALWAYS** disconnect the Blast Cabinet from the air supply before opening the Top Lid or Side Doors.
- Excessive air pressure can cause the hoses to burst, resulting in tool damage and personal injury. **DO NOT** exceed 125 psi [8.6 bar] of inlet air pressure to the tool.
- Abrasive Blasting can generate excessive noise. Wear appropriate ANSI approved hearing protection while operating.
- Skin contact with the abrasive blast stream can cause severe skin and tissue damage. Always utilize the built-in protective abrasive blasting gloves and inspect them for any damage before each use. If damage is observed, immediately discontinue use and replace the glove.
- Abrasive blasting can also pose serious health hazards to bystanders. Always make sure any persons or pets are protected from the blasting hazards described in this manual.

## **⚠ WARNING** FIRE HAZARD!

Some abrasive blast media will spark as it removes material. Never blast items that are flammable or are saturated with highly flammable substances (eg. uncleaned fuel system components).

## **⚠ CAUTION** HEALTH AND INJURY HAZARDS!

- The high velocity media stream produced by this Abrasive Blaster can abrade and remove exposed flesh causing serious injury. Never operate the Blast Cabinet with the Front Lid or Side Doors unlatched.
- Workpieces may have sharp edges, and it is easy to pinch your fingers while loading and unloading the Blast Cabinet. We highly recommend wearing thick, well-fitting work gloves when handling workpieces.
- Air hoses and power cords pose a tripping hazard. Blast media buildup on the floor can be very slippery and difficult to see. Exercise caution when moving around the Blast Cabinet, and always make sure you are sure-footed.

## **⚠ CAUTION** SHOCK HAZARD!

Under certain conditions (eg. low atmospheric humidity levels, type of media being used and/or type of material being blasted), the friction of abrasive blasting may generate static electricity resulting in shock to the user. This discharge could adversely affect devices such as cardiac pacemakers. We highly recommend grounding the Blast Cabinet to earth to minimize shock risk.

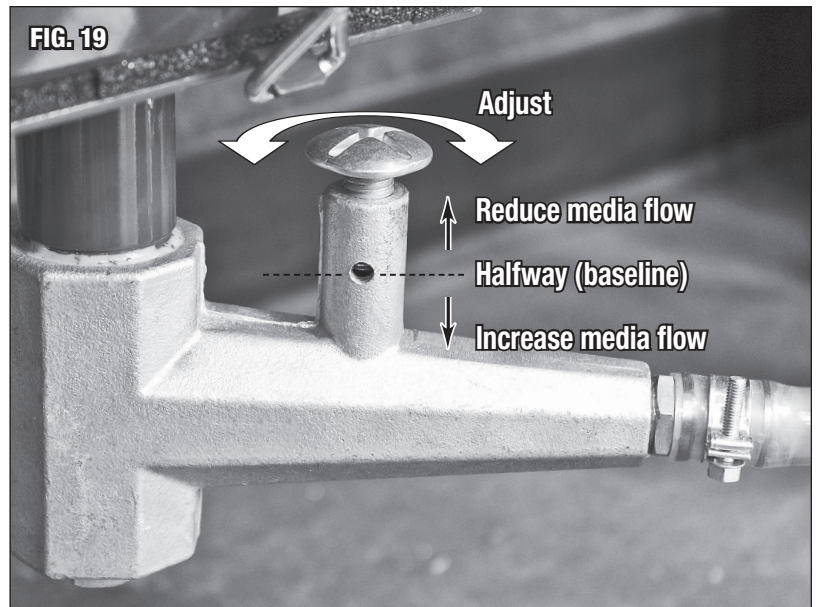
## **⚠ CAUTION** DO NOT OVERLOAD!

Do not exceed the 220 lbs. [100 kg] workpiece weight capacity. Overloading could result in property damage and personal injury.

## **⚠ NOTICE**

Always clean or degrease items before loading them into the Blast Cabinet. Cleaning will reduce media contamination, improve blasting effect, and ensure no flammable substances are present.

- Load an object to be blasted into the Blast Cabinet through the Side Doors or Top Lid and set it on the Perforated Floor Panel.
- Close and securely latch the Side Doors and Top Lid.
- The included Air Regulator is used to limit incoming air pressure. The Air Regulator should be adjusted to 90 - 125 psi while the Blasting Gun is flowing. Excessive air pressure can cause permanent damage to the unit.
- Set Vacuum & Light Switches to **ON**.
- Place your hands into the gloves and grip the Blasting Gun firmly.
- Depress and hold the Foot Pedal to discharge the blast stream.
- It is optimal to direct the blast stream at the workpiece at a 60°- 45° angle.  
**NOTE:** Avoid angles of 90° (ricochet causes excess Nozzle and Viewing Glass wear) or less than 30° (media tends to glance off workpiece).
- Adjust the Anti-Purge Valve screw to the halfway position as a baseline (**FIG 19**). Further fine tuning can be made to perfect the flow of media. Too much air bleed will cause underfeeding of the media. Too little air bleed will cause media surging, as the media flow rate will exceed the replacement rate.
- When done blasting, release Foot Pedal and allow Vacuum to run several minutes until all dust is cleared from the Cabinet.
- Set Vacuum & Light Switches to **OFF**.
- Disconnect the air supply. Leave disconnected when accessing the Blast Cabinet or when not in use for extended periods of time.
- You may now safely retrieve your workpiece via the Side Doors or Top Lid.



# MAINTENANCE

## REPLACE VIEWING GLASS WINDOW PROTECTIVE FILM

The interior side of the Viewing Glass Window is equipped with a replaceable clear protective film. It will gradually become cloudy with use and diminish workspace visibility. To replace:

- Peel off the worn protective film.
- Gently clean the glass with a soft cloth and glass cleaner or alcohol.
- Six replacement Viewing Glass Window Protective Films [G] are included. Retrieve one and peel off the adhesive protective strips.
- Apply the replacement protective film to the interior glass surface. Press on the adhesive to ensure a good seal that will prevent blast media from entering.

## REPLACE PEEL OFF LAMP PROTECTION SHIELD

The interior side of the Viewing Glass Window is equipped with a replaceable clear protective film. It will gradually become cloudy with use and diminish light intensity. To replace:

- Peel off the worn protective film.
- Gently clean the glass with a soft cloth and glass cleaner or alcohol.
- Five replacement Glass Lamp Panel Protective Films [H] are included. Retrieve one and peel off the adhesive protective strips.
- Apply the replacement protective film to the interior glass surface. Press on the adhesive to ensure a good seal that will prevent blast media from entering.

## BLASTING GUN NOZZLE REPLACEMENT

- Replace the Nozzle when you notice excessive air and blast media is being used or blasting efficiency is reduced. Nozzle replacement on the Blasting Gun is easy. After disconnecting the unit from the air supply, unthread the Nozzle Ferrule from the front of the Gun Body, remove the Ceramic Nozzle, install replacement, and thread the Nozzle Ferrule back in place (**FIG 19**).
- The Blast Gun is now once again ready for use.

## JET REPLACEMENT

Replace the Jet when you notice excessive air and blast media being used or blasting efficiency is reduced. To replace:

- Disconnect Blast Cabinet from air supply.
- Remove Air Inlet Fitting from the rear of the Jet Assembly.
- Loosen Air Jet Lock Nut and turn Air Jet out of rear of Gun.
- Install new Air Jet, then tighten Air Jet Lock Nut.
- Reinstall Air Inlet Fittings.
- The Blast gun is now once again ready for use.

## REPLACE BLAST MEDIA

### **⚠ WARNING**

The fine dust accumulated by this unit is a Health Hazard! Avoid breathing dust produced by handling the Filter. Always wear appropriate NIOSH approved breathing apparatus when cleaning, emptying or maintaining the unit and use in a well-ventilated area.

### **⚠ NOTICE**

Always dispose of exhausted media properly following all local hazardous material disposal regulations. Levels of hazardous materials such as lead, zinc chromate, etc. may be present in coatings being removed. Additional precautions may be required in the presence of these substances.

- To drain blast media from Blast Cabinet, start by disconnecting the air supply to Blast Cabinet.
- Place a box or container suitable for holding the blast media under the Anti-Purge Valve door.
- Carefully release the latch of the Anti-Purge Valve door (**FIG 12**).
- Allow the media to drain. Gently thumping the sides of the Blast Cabinet hopper may be helpful in maintaining media flow.
- When draining stops, clear excess media from seal area of the Anti-Purge Valve door, close and relatch the Door securely.
- Add Eastwood approved Blast Media. Fill to within 10" of the Perforated Floor support flanges. DO NOT OVERFILL. Overfilling will degrade performance.  
**NOTE:** for best results and to avoid nozzle clogging, do not use media larger than 60 grit particle size.

## DO NOT USE SAND IN THIS BLAST CABINET!

## VACUUM MAINTENANCE

The Vacuum is designed to keep the dust level in the Cabinet low for maximum visibility while blasting. As the Blast Cabinet is operated, make-up air enters the vent at the left front Hopper panel, circulates through the Cabinet and is drawn through the outlet baffle at the upper rear panel. To keep the vacuum operating with peak efficiency, perform the following maintenance as required:

- After every 10 minutes of blasting, with the dust collector vacuum turned off, operate the Filter Plunger at the side of the vacuum housing (**FIG 20**) by striking the plunger sharply with the side or palm of the hand. This will strike the Filter, allowing any caked accumulation of media dust to fall into the bottom hopper.
- As the Filter is repeatedly struck, the hopper will fill with media dust and must then be emptied by unlatching the conical vacuum hopper base and allowing the dust to discharge into a container.

### **⚠ WARNING**

The fine dust accumulated by this unit is a Health Hazard! Avoid breathing dust produced by handling the Filter. Always wear appropriate NIOSH approved breathing apparatus when cleaning, emptying or maintaining the unit and use in a well-ventilated area.

### **⚠ NOTICE**

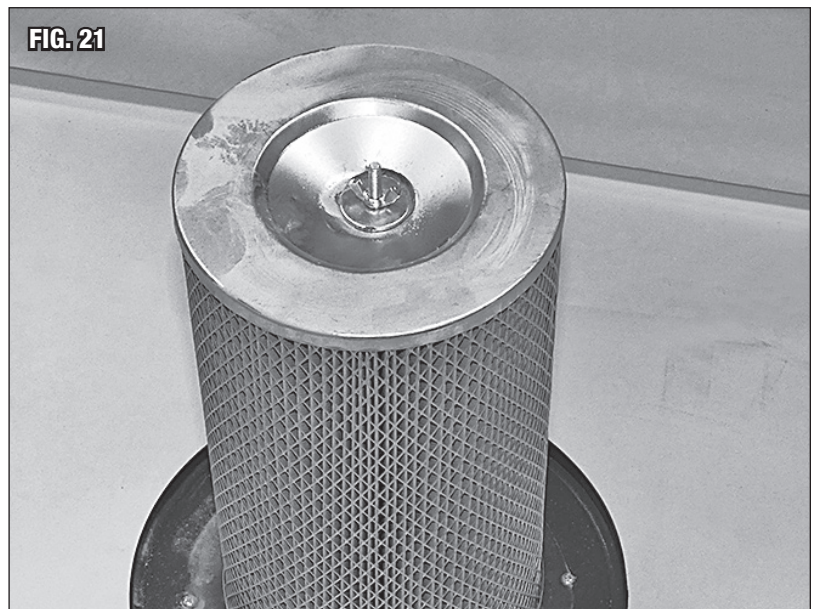
Always dispose of exhausted media properly following all local hazardous material disposal regulations. Levels of hazardous materials such as lead, zinc chromate, etc. may be present in coatings being removed. Additional precautions may be required in the presence of these substances.

- If the prior procedure fails to restore the Vacuum's performance, the Filter must be cleaned. First, turn off the Vacuum unit and unplug the power supply cord.
- Release the side latches of the Vacuum/Filter Assembly and pull the Motor & Filter out of the top of the Housing and set it upside down with the Filter base upward.
- Loosen and remove the Filter Retaining Wingnut and Washer (**FIG 21**).
- Pull the Filter free of the Motor Unit.
- Clean dust from the rubber seal.
- While wearing a suitable respirator and preferably outside, use a blow gun and compressed air source to blow air through the Filter from the inside out.
- When done, replace Filter and secure it with the Filter Retaining Washer and Wingnut.
- Replace the Motor & Filter assembly back into the Housing and latch the Clasps securely.
- Reconnect the power supply cord.

**FIG. 20**



**FIG. 21**



# TROUBLESHOOTING

PROBLEM	CAUSE	CORRECTION
<b>Weak Blast Stream</b>	Air Compressor Inadequate, Causing Insufficient Air Supply to Blast Cabinet	Verify sufficient air supply to tool. Minimum requirement is 12 CFM @ 90 psi.
	Air Supply Line from Air Compressor Too Small	Use air supply line of 3/8" I.D. or greater.
	Air Supply Line from Air Compressor Too Long	Reduce air supply line length to 25' or less.
	Pinched or Damage Media Suction Line	Verify the line is not kinked or damaged. If damaged, contact Eastwood for a replacement.
	Moisture or Other Contamination in the Air Supply	Check for moisture and contaminants in the air supply. The inlet air supply <b>MUST</b> have a moisture separator capable of removing all moisture and impurities from the air supply. The Eastwood # 34103 Moisture Separator (not included) works well.
	Too Little Media Flow	Adjust the Anti-Purge Valve screw inward to decrease the air bleed and increase media flow rate. See <b>BLAST CABINET OPERATION</b> .
<b>Media Surging</b>	Moisture in Blast Media and/or Air Supply	Check for moisture and contaminants in the air supply. The inlet air supply <b>MUST</b> have a moisture separator capable of removing all moisture and impurities from the air supply. The Eastwood #34103 Moisture Separator (not included) works well to remove moisture.
	Debris or Blasting Residue in Blasting Gun Nozzle	Clean out the Blasting Gun Nozzle, then drain and sift blast media to remove any debris before blasting again.
	Not Enough Blast Media in the Hopper	Fill the Blast Cabinet to within 10" of the Perforated Floor support flanges. Generally, 50 lbs. of blast media is sufficient.
	Too Much Media Flow	Adjust the Anti-Purge Valve screw outward to increase the air bleed and reduce media flow rate. See <b>BLAST CABINET OPERATION</b> .
<b>Media Stream Suddenly Stops</b>	Dirt or Debris in Media Suction Line	To dislodge blockage, make sure the Side Doors and Top Lid are closed. Place a gloved finger over the nozzle outlet and momentarily depress the Foot Pedal.
	Contaminated Media	Drain and sift blast media to remove any debris before blasting again.
<b>View in Cabinet Becomes Obstructed</b>	Dust is Clogging the Vacuum Filter	Follow the procedures described in <b>VACUUM MAINTENANCE</b> to clean the vacuum system.
	The Vacuum Filter Housing is Full of Dust	Follow the procedures described in <b>VACUUM MAINTENANCE</b> to clean the vacuum system.
	The Clear Protective Film is Worn	Clean the inside of the viewing window and replace the clear protective film.

# ADDITIONAL ITEMS

## CONSUMABLE ITEMS

- #21305 Replacement Air Jet
- #20071 Viewing Glass Window Protective Film (5 Pack)
- #21309 Glass Lamp Panel Protective Film (5 Pack)
- #21135 Nozzles (2 Pack)

## BLAST MEDIA

- #13792 Aluminum Oxide Blast Media, 90 Grit, 50 lbs.
- #22021 Aluminum Oxide Blast Media, 60 Grit, 50 lbs.
- #22023 Glass Bead Blast Media, 70-100 Grit, 50 lbs.
- #13772 Glass Bead Blast Media, 100-170 Grit, 50 lbs.
- #22019 Silicon Carbide Blast Media, 60 Grit, 50 lbs.
- #22018 Walnut Shell Blast Media, 12-20 Grit, 50 lbs.
- #13779 Ground Glass Silica-free Blast Media, 40-70 Grit, 50 lbs.
- #50494 90% / 10% Soda / Aluminum Oxide Blast Media, 50 lbs.

## REPLACEMENT PARTS

- #20070 Eastwood Blast Cabinet Gloves
- #20073 Eastwood Replacement Glass
- #21326 Eastwood B100/120 Blast Cabinet Light Glass (21301/66294)
- #30999 Eastwood Replacement Filter for Dust Collector
- #66295 Eastwood B120 Side Door Seal (66294)
- #66296 Eastwood B120 Blast Gun Hose Set (66294)
- #66297 Eastwood B120 Anti-Purge Valve (66294)
- #66298 Eastwood B120 Air Regulator (66294)
- #66299 Eastwood B120 Lid Latch (66294)
- #66300 Eastwood B120 LED Lightbulb (66294)
- #66301 Eastwood B120 Light Glass (66294)
- #66302 Eastwood B100/120 Power Switch (21301/66294)
- #66303 Eastwood B120 Foot Pedal Assembly (66294)
- #66304 Eastwood B120 Hardware Kit (66294)

## OPTIONAL ITEMS

- #22022 Eastwood Blast Media Sifter Screen

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**If you have any questions about the use of this product, please contact**

The Eastwood Technical Assistance Service Department: 800.343.9353 >> email: [tech@eastwood.com](mailto:tech@eastwood.com)

PDF version of this manual is available at [eastwood.com](http://eastwood.com)

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