

Eastwood

DO THE JOB RIGHT.

Part #21109

BLAST OUT OF A BUCKET

INSTRUCTIONS



The **EASTWOOD BLAST OUT OF A BUCKET** is specifically designed to provide years of trouble free service. It features an efficient siphon feed gun with replaceable wear components. Blast Out of a Bucket provides a method to strip away old paint and coatings, body fillers, accumulated dirt and moderate to major rust leaving a clean, bare metal surface ready for damage repair or painting.

CONTENTS

- (1) Blast Gun Assembly (2.5mm I.D. Air Jet and 4mm Nozzle installed)
- (1) Double Pick Up Tube
- (1) 5' [1.5m] x 1/2" [12.7mm] I.D. Reinforced Suction Hose
- (3) 0.16" [4mm I.D.] Ceramic Nozzles (requires 7 CFM at 90 PSI)
- (1) 0.10" [2.5mm I.D.] Replacement Air Jet (requires 7 CFM at 90 PSI)
- (1) 1/4" MNPT Quick Disconnect Air Fitting

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.
- A suitable regulator must be used to limit incoming air pressure to 90 PSI maximum, 80 PSI is ideal. 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 7 CFM @ 90 PSI is required. Less available CFM will not provide sufficient force to allow the Blaster to adequately remove rust and or paint.
- The use of Eastwood blast media is strongly recommended for proper operation. Use care to avoid using excessive grit size which can block the Nozzle.

SAFETY INFORMATION

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.

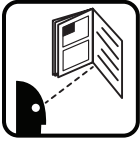
CAUTION

CAUTION used with the safety alert symbol, 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.

SAFETY INFORMATION



⚠ READ INSTRUCTIONS

- Thoroughly read and understand these product instructions before using the Blast Out of a Bucket.
- Keep these product instructions for future reference.



⚠ WARNING HEALTH & INJURY HAZARD!

- Silica based abrasives have been linked to severe respiratory disease. Avoid breathing dust produced by the Blast Out of a Bucket. Always wear appropriate NIOSH approved breathing apparatus. **DO NOT** use any sand or silica based abrasives with this blaster.
- Dust and fine particulate matter is generated during the blasting process which can contain toxic substances such as lead, silica, solvents and others. Breathing this dust and fine particulate matter can cause many serious respiratory health conditions. Always use NIOSH approved respiratory protection while using this Sander.
- This Blaster 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. Everyday eyeglasses are **NOT** safety glasses. Use NIOSH approved respiratory protection, a Blast Hood/ hard hat such as Eastwood # 22095.
- **NEVER** operate the Blast Out of a Bucket in an indoor area. Always make sure the work area is isolated from any unprotected persons, pets or property.
- This Blaster can quickly start up when handling while connected to an air supply causing serious personal injury. Always disconnect the Blaster from the air supply before changing nozzles, removing clogs or other maintenance.
- Excessive air pressure can cause tool to explode resulting in tool damage and personal injury. **DO NOT exceed 90 psi [6.3 bar]** of tool inlet air pressure.



SAFETY INFORMATION



⚠ CAUTION HEALTH & INJURY HAZARD!

- Abrasive Blasting can generate excessive noise. Wear appropriate hearing protection while using.
- The high velocity media stream produced by this Abrasive Blaster can abrade and remove exposed flesh causing serious injury. Wear heavy, abrasive-resistant rubber blasting gloves such as Eastwood #22010 to protect hands and forearms from abrasion injury.
- Never clean up after blasting without a properly filtered shop-type, dust collecting vacuum. If dust is seeping out of your vacuum filter, stop immediately! Purchase and install a fine particular filter for your particular brand of shop-type vacuum to capture these dust particles. Levels of 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.



⚠ CAUTION SHOCK HAZARD!

- Under certain conditions (e.g. 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 and result in shocking.

ASSEMBLY

1. Attach the Suction Hose to the offset, 9/16" [14mm] pipe of the Pick-Up Tube and secure with a Hose Clamp (**FIG 1**).

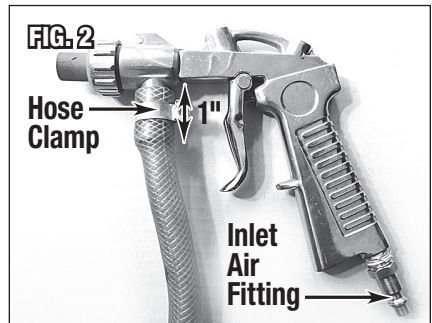
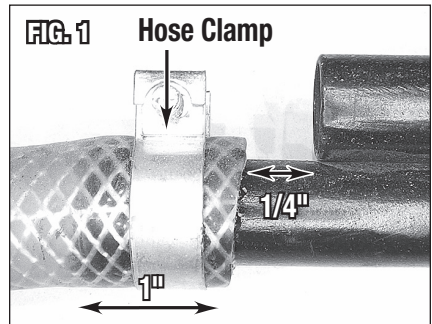
IMPORTANT NOTE: Allow 1/4" [6.3mm] of space between the end of the Suction Hose and end of the larger 0.63" [15.9mm] outer pipe of the Pick-Up Tube or the path for incoming make up air will be blocked and the Blaster will not function.

2. Attach the opposite end of the Suction Hose to the Media Inlet Port of the Blast Gun by slipping it securely over the raised barb (**FIG 2**).

NOTE: it is best to slip the hose 1" [25mm] over the Inlet Port.

3. Thread the Included 1/4" MNPT Air Inlet Fitting into the Air Inlet Port on the bottom of the Blast Gun (**FIG 2**).

NOTE: The use of Teflon Sealing Tape (NOT INCLUDED) is recommended.

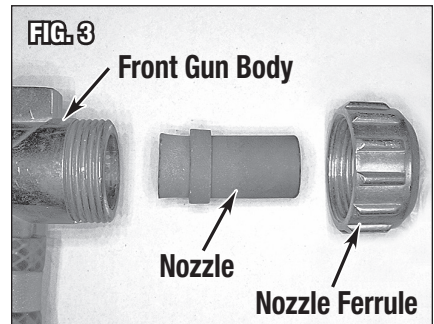


OPERATION

1. Place the Pick-Up Tube into the container of Blast Media.
IMPORTANT NOTE: Do Not exceed 12" [304mm] of depth into the Blast Media or the path for incoming make up air will be blocked and the Blaster will not function.
2. Direct the Nozzle toward the work surface several inches away at a 10%-15% angle to the surface and depress the Trigger.
3. Move the Nozzle along the work surface being careful not to dwell too long in an area or excessive heat buildup from friction can cause damage.

MAINTENANCE

- Since any form of abrasive blasting involves abrasives under pressure, certain parts of the blaster are subject to wear.
- The wear rate depends on the amount of usage, the type of abrasive used, nozzle size and air pressure. Since your Blast Out of a Bucket Blaster is designed for intermittent use in the home shop, wear rates will most likely be very low.

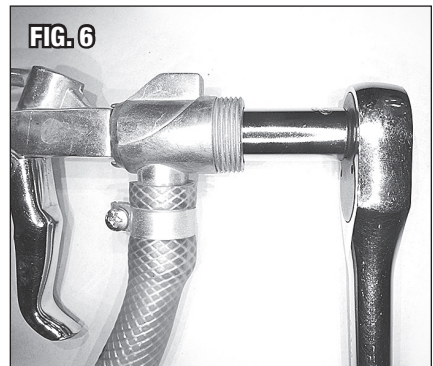
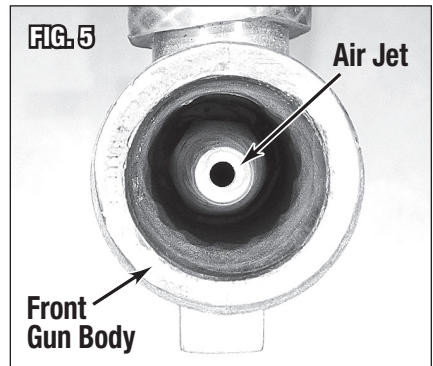
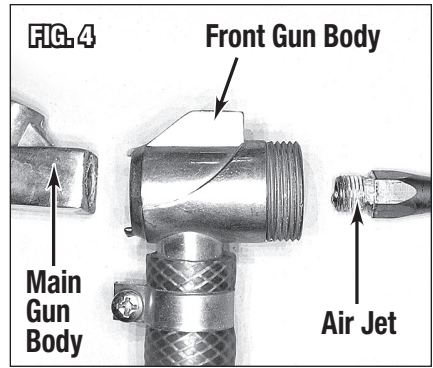


⚠ CAUTION **BLAST GUN MAY ACCIDENTALLY DISCHARGE WHEN HANDLING!**

Abrasive material is propelled at high velocity which can quickly cause severe injury.
Always disconnect from air supply before beginning work.

- Replace the Nozzle when you notice excessive air and blast media being used or cleaning efficiency is reduced. Nozzle replacement on your Siphon Blaster is easy. After disconnecting the unit from the air supply, unthread the Nozzle Ferrule from the front of the Gun Body, remove the Nozzle (FIG 3).

- If, after extensive use, you determine your Blast Gun needs an overhaul, parts replacement is easy. In addition to the Nozzle replacement described above, there is an Air Jet in the forward section of the Blast Gun body (**FIG 4**). The wear on the Air Jet is external because of the abrasive passing over the Jet to enter the Nozzle (**FIG 5**).
- When the Air Jet is worn, it will deflect the air and abrasive downward and will erode the external surface of the Nozzle. Generally, the ratio of wear is one Jet to every three or four Nozzles.
- To remove the Air Jet, first remove the Nozzle as previously described then using a deep, thin-wall 7/16" or 12mm socket inserted over the Air Jet, loosen and remove it (**FIG 6**). The Air Jet is threaded into the main Gun Body and is also responsible for securing the front, Mixing Section of the Gun to the main Gun Body and when removed, the Gun Body will separate.
- To install the replacement Air Jet, drop it into the front, Mixing Section of the Gun Body, line up the sections of Gun Body, thread the Jet into the main Gun Body then tighten in place with the deep, thin-wall 7/16" or 12mm socket.
- Replace the Nozzle and Nozzle Ferrule.
- The Blast gun is now once again ready for use.



TROUBLESHOOTING

PROBLEM	CAUSE	CORRECTION
Insufficient Air to Blasting Gun	Compressor inadequate	For best results, a compressor capable of at least 7 CFM @ 90 PSI is recommended. Lesser output will result in diminished performance.
	Air line from compressor too small	Use supply line of 5/16" or larger.
	Air line from compressor too long	An air line of 25' maximum is recommended.
	Pinched, kinked, or damaged Media Suction Hose	Straighten or replace Suction Hose if required. NOTE: The shorter and straighter the Suction Hose is, the better the performance. If the supplied 5' [1.5m] hose length is more than needed, cut it shorter to improve performance.
Media Surging	Moisture in media and/or air supply	Install a Moisture Separator capable of removing all moisture and impurities from the air supply.
	Dirt or blasting residue in gun nozzle	Clean out Gun Nozzle, then sift media blast media to remove debris before re-use.
Media Stream Stops	Dirt or debris in Suction Hose	To dislodge blockage, place a gloved finger over the nozzle outlet and momentarily depress trigger.
	Dirty media	Sift blast media to remove debris before re-use.
	Pick Up Tube inserted too deeply into media	Never exceed 12" [304mm] of depth into the Blast Media or the path for incoming make up air will be blocked and the Blaster will not function.

ADDITIONAL ITEMS

- #20069** Air Jet 0.10" [2.5mm].
- #20068** Replacement Nozzles (Set of 4 different sizes)
Includes:
(1) 0.16" [4mm] for 7 CFM @ 90 PSI.
(1) 0.19" [4.8mm] for 9 CFM @ 90 PSI.
(1) 0.25" [6.4mm] for 11 CFM @ 90 PSI.
(1) 0.28" [7mm] for 14 CFM @ 90 PSI.
- #22010** Rubber Blasting Gloves - Extra thick rubber gloves protect hands and forearms from abrasives blast. One size fits all – average length is 15" to 18". Gauntlet extension helps keep abrasives away from your inner sleeves.
- #22095** Deluxe Blast Hood.
- #34103** Moisture Separator.
- #10041Z** PRE Painting Prep.
- #22022** Abrasive Sifter Screen Lets you separate unwanted materials from recycled media. Helps avoid clogged nozzles. Large 11" diameter sifting area.

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

The Eastwood Technical Assistance Service Department: 800.544.5118 >> email: techelp@eastwood.com

PDF version of this manual is available online >> eastwood.com/21109manual

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