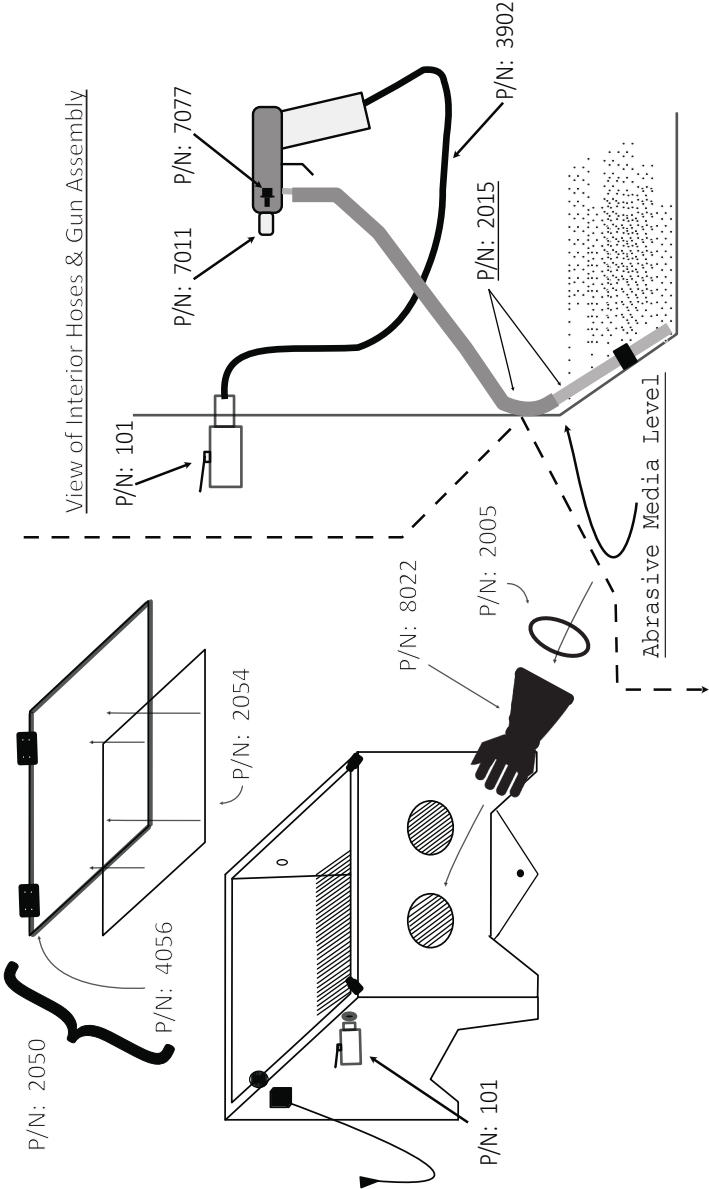


REPLACEMENT PARTS LIST

Part Number	Description
2050	Lid Assembly (Lid/Gasket/Hinges)
2005	Glove Clamp
2015	Abrasive Pickup Tube & Hose
2018	* Gauge
2022	17" Unlined Gloves
4056	Lid Gasket
2054	* 12 Pack Mylar Shields
2019	* Regulator
3902	E100 Air Hose Assembly
101	Ball Valve
7001	Gun Assembly (Gun, 7011, 7077)
7011	14 CFM Ceramic Nozzle
7080	14 CFM Tungsten Nozzle
7077	14 CFM Steel Orifice
7009	* 5 CFM Ceramic Nozzle
7084	* 5 CFM Tungsten Nozzle
7076	* 5 CFM Steel Orifice

Items marked (*) are accessories and *DO NOT* come standard with this unit. They can be purchased separately.

Cabinet Exterior



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ATTENTION E100 Abrasive Blast System Operational Manual

Cycloneblastcabinetsproduceapowerfulflowofabrasiveparticles.Toavoidpersonalinjuryandpropertydamage, read this manual thoroughly before operating. Keep manual handy for future reference and replacement parts list. ***Safety alert signal words based on ANSI Z535.4-1998 are used to alert the user of a potentially hazardous situation that may be encountered during operation of this equipment. ANSI definitions are as follows.***

- CAUTION** {Caution used without the alert symbol indicates a potentially hazardous situation which, if not avoided, may result in property damage.
- CAUTION** {Caution indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate damage.
- WARNING** {Warning indicates a potentially hazardous situation which, if not avoided, could result in serious injury or death.
- DANGER** {Danger indicates an imminently hazardous situation which, if not avoided, will result in serious injury or death.

CAUTION

- Follow all electrical and safety codes as well as the National Electric Code (NEC) and the Occupational Safety & Health Act (OSHA).
- Follow assembly instructions BEFORE plugging system into electrical or air supply. Always unplug blaster before changing light bulb to avoid electrical shock or damage to the lamp holder.

CAUTION

- The unit is equipped with a 3 prong grounding plug for your protection against electrical shock. Use only adequate extension cords with 3 prong grounding type plugs which are appropriate for long periods of use. Replace damaged or worn extension cord(s) immediately. Use a 3 prong receptacle to plug system or extension cord into.
- Make sure power source conforms to the requirements of your equipment.
- This is a dry blast system. It is not made to accommodate use with anything liquid or metal.
- Change blasting material regularly. Continued use of abrasives will result in poor performance and excess dust.
- DO NOT exceed recommended maximum air pressure of 120 PSI.
- Check and clean dust collection system and filters regularly. Do not wait until dust is escaping from dust collection housings and/or blast cabinet before cleaning the system.
- WARNING**
 - Keep any spilt blast abrasive clear from all paths around and near the blast cabinet. Many blast abrasives are powder fine and can be very slippery, causing a person to slip and fall.
 - Silica sand should be avoided for use in blast systems for health reasons.
- DANGER**
 - DO NOT OPERATE CABINET WITH LID AND/OR DOOR OPEN! THIS WILL RESULT IN SKIN DAMAGE, SERIOUS EYE DAMAGE OR BLINDNESS AND OTHER HEALTH RISKS IF THE BLAST STREAM WERE TO COME INTO CONTACT WITH PARTS OF THE BODY.
 - This system is assembled with a standard 1/4" thick clear acrylic view window. Replacement with tempered or single strength glass is DANGEROUS. Replacing view window with material other than acrylic will result in dangerous glass breakage that can injure the operator or bystanders.
 - NEVER USE ANY TYPE OF FLAMMABLE OR COMBUSTABLE MATERIAL IN THIS BLAST SYSTEM.

INTRODUCTION

Cyclone Manufacturing abrasive blast cabinets are designed for cleaning, polishing and finishing with dry abrasives such as glass beads, aluminum oxide, blasting garnet and sand. An exterior switch controls the interior light. The cabinet is sealed at all openings such as the lid, window and bottom hopper.

INSTALLATION

1. Open carton and remove the cabinet, lift lid, unwrap foot pedal.
2. Cabinet is fully assembled, once you place cabinet you can install the foot pedal on the floor under your work table.
3. Electrical system is already installed. One 70 watt max bulb is required but not included. Screw in fluorescent, LED, or rough service bulbs work best.
4. Attach air fittings & hose FROM YOUR COMPRESSOR to the 1/4" NPT port located on side of the foot pedal. There is already a hose attached to the foot pedal. Attach the other end to the fitting on the outside left of the cabinet.
5. A thread sealant is suggested. DO NOT over tighten hose into valve. 60-90 PSI required.

DUST COLLECTION SYSTEM

*** Dust collection system DOES NOT come with this unit.
*** It is strongly suggested that one is used in conjunction with cabinet operation.

Assemble the dust collector system according to the manufacturers directions. The dust collector hose will slide right into the 2.25" hole on the upper right side of the cabinet. It will fit snugly so there should be no need for any holding device(s). Plug dust collector into an electrical receptacle that meets the manufacturer's specifications. If only a two-prong receptacle is available, a ground adapter can be used. Make sure the green lead is properly attached to a grounded wire system. If extension cords are used, be sure they are in good condition.

FINAL NOTES

1. Pour dry blast media through the metal screen on the inside of the cabinet into the cabinet hopper. We suggest no more than 10-15 pounds. Use of anything liquid or metal is NOT suggested. This system is not equipped or use with soda blast material. 100 GRIT OR FINER BLAST MEDIA SUGGESTED.
2. Place part to be blasted on work grate inside cabinet.
3. Close door(s)/lids/top.
4. Turn light switch ON.
5. Place hands into gloves, hold onto the blast pencil/gun.
6. Depress foot pedal and keep your spray pattern moving across your part. DO NOT POINT BLAST PENCIL/GUN AT THE VIEW WINDOW! This will cause the window to irreparably frost and be damaged - and MAY LEAD TO PERSONAL INJURY.

LIMITED WARRANTY

Cyclone abrasive blast cabinets are warrantied against defects in workmanship or materials in accord with the following terms:

- Warranty extends to original owner only.
- Warranty does not cover blast cabinets used in commercial rentals
- Warranty is valid for one (1) year following the date of purchase.
- Warranty does not cover standard wear items such as the nozzle, orifice, blasting material, window and gaskets.
- Warranty does not cover misuse of the blast cabinet. This includes the failure to follow instructions.
- Warranty does not cover blast unit if altered or otherwise changed from its original state form the factory.
- WARRANTY DOES NOT COVER DAMAGES IN TRANSIT:
 - IN SUCH CASES, THE RECEIVER SHOULD CONTACT THE FREIGHT CARRIER WITHIN 15 DAYS OF DELIVERY TO FILE A CLAIM. IT IS NOT THE RESPONSIBILITY OF THE MANUFACTURER OR SUPPLIER TO FILE THE CLAIM. IF ANY PARTS SHOULD BE REQUIRED TO FIX A FREIGHT DAMAGED UNIT, THE RECEIVER WILL BE BILLED ACCORDINGLY. THIS BILL CAN THEN BE TURNED OVER OT THE FREIGHT CARRIER. USERS SHOULD CALL THEIR DISTRIBUTOR OR THE FACTORY UPON INSPECTION/DISCOVERY OF ANY PROBLEM. A TECHNICAL PERSON CAN ASSIST YOU.
- This warranty grants the user certain legal rights. Users and purchasers may also be protected by other rights that vary with location.
- NOTE: Except for the warranties set forth above, Cyclone makes no other warranties of any kind - expressed or implied. This includes warranties of merchantability or fitness of product for a particular purpose.

TROUBLESHOOTING

PROBLEM	CAUSE		REMEDY
Excessive Dust	Dust collection system malfunctioning		Empty canister & replace or clean filter bag.
	Abrasive media worn out		Replace media
	Too much media in hopper		Remove excess media
	Too much media in hopper		Remove excess media
Uneven blasting action	Moisture present in air line		Install moisture trap
	Top of abrasive pickup tube covered		Move media away from top of pickup tube
	Media worn out		Replace media
	Worn out gun parts		Inspect parts, adjust or replace
Inadequate speed or efficiency of blast	Nozzle worn		Replace nozzle
Poor blast pattern			
Static electricity	Dry environmental conditions		Install static electricity band