

# BLAST-IT-ALL® LEADING THE INDUSTRY IN SURFACE PREPARATION EQUIPMENT

#### **HESS & ASSOCIATES, INC.**

185 Piper Ln. Salisbury, NC 28147 (800) 535-2612

LIVE CHAT- www.blast-it-all.com

#### ECO 3624 W/ DUST COLLECTOR



MM512



#### \*\* WARNING \*\*

DO NOT USE SAND. SAND WILL CAUSE SILICA DUST, WHICH IS THE CAUSE OF SILICOSIS DISEASE, A CONDITION OF MASSIVE FIBROSIS OF THE LUNGS. THIS STATEMENT INDICATES A POTENTIAL PERSONNEL HAZARD. FAILURE TO COMPLY WITH THESE INSTRUCTIONS MAY RESULT IN PERSONAL INJURY.

#### **SET-UP INSTRUCTIONS**

# \*OPTIONAL\* FOOT CONTROL & AIR CONTROLS (21 CFM MINIMUM) SEE DRAWING (M7056)

- 1. Remove box from machine with Hand Gun and Air Controls.
- 2. Attach regulator bracket (item 4 to front of cabinet).
- 3. Connect regulator to bracket with lock ring.
- 4. Connect compressed air hose to inlet side of regulator.
- 5. Connect air hose from foot control to left side of cabinet.
- 6. Connect media hose to pick-up tube under grate.
- 7. Attach snap-in gloves to arm hole opening. Work snap ring into hole, one ring in front of opening and one ring behind hole.
- 8. Attach dust collector to left side of cabinet with supplied hardware.
- 9. Plug DC cord into cord from light assembly.

### ECO 12 & 21 CFM TRIGGER GUN SEE DRAWING (A9078)

- 1. Remove box from machine with Hand Gun and Components.
- 2. Connect compressed air hose to the left front side of the cabinet.
- 3. Connect media hose to pick-up tube.
- 4. Mount the media pick-up tube at the bottom of the left sump.
- 5. Connect compressed air supply to the fitting on the left front side of the cabinet.
- 6. Attach snap-in gloves to arm hole opening. Work snap ring into hole, one ring in front of opening and one ring behind hole.
- 7. Attach dust collector to left side of cabinet with supplied hardware.
- 8. Plug DC cord into cord from light assembly.

#### \*OPTIONAL\*

#### UNPACKING AND ASSEMBLY

#### MACHINES WITH CARTRIDGE TYPE DUST COLLECTOR

- Remove all shipping protection:
   Plastic wrapping, shipping pallet,
   box's inside, etc. Check for any
   concealed shipping damage, if
   discovered, report the damage to your
   freight carrier immediately.
- Blast Cabinet should be placed in a desired location, away from any water or liquid environment such as cleaning vats, etc., where the air supply is not restricted and dry. If moist compressed air is present at this location, install a good moisture separator.
- 3. Installing Dust Collector:

Apply putty tape to cabinet around large hole, press to make a firm bond to cabinet and squeeze together at seam. Align the 4 hole bolt pattern and install bolts, washers, and nuts. Tighten bolts and nuts securely to seal around putty tape. Plug electrical cord from side of dust collector into plug from light box.

4. Connect the electrical cord from light box grounded electrical source, 110V/60 cycle, single phase

#### CHARGING WITH BLAST MEDIA

5. Charge blast machine with abrasive.
GLASS BEADS / ALUMINUM OXIDE
Pour media into cabinet through one
of doors, fill to ½ UP THE PICK-UP
TUBE.

WARNING NEVER USE SAND AS A BLAST MEDIA

SEE WARNING ON COVER PAGE

#### PREPARING PARTS FOR BLASTING

- Preparing parts for blasting: all parts to be processed must be free of oil, grease and moisture. Make sure parts are dry before putting into cabinet for cleaning.
- 2. Air Pressure: 5 PSI to 80 PSI set air presssure at 80 PSIG. Most parts for blast cleaning can be blasted at 80 PSI. Designate parts to be processed, start at lower pressure and work up the PSI scale to obtain desired finish.
- 3. Gun Angle and Distance: Direct blast at part with and approximate (45-60) degree angle with ricochet toward the back side of cabinet. Do not hold gun at 90 degree to part being processed. This will cause the media blast to bounce back into the blast stream and slow blasting action. Also 90 degree angle will cause excessive wear on gun and viewing window. Hold gun approximately 6 inches from part being cleaned.
- 4. Media: Media should be of good quality and dry. Damp media will cause the media not to flow and will clog abrasive flow.

\*\*\*NEVER USE SAND\*\*\*

See "WARNING" on COVER PAGE

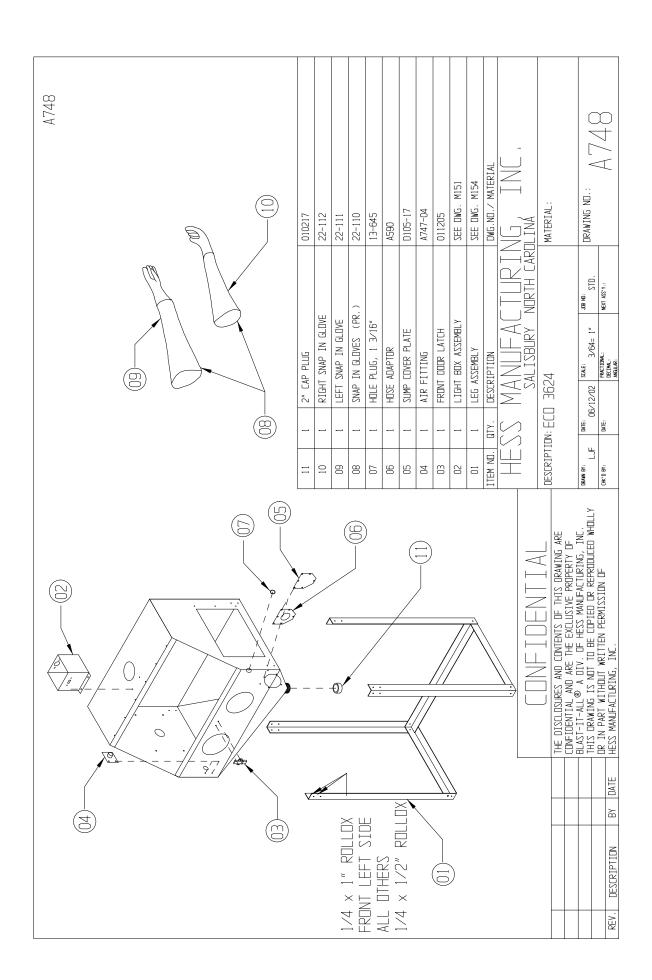
If you are having a problem selecting media for a specified job, contact your distributor for their recommendations.

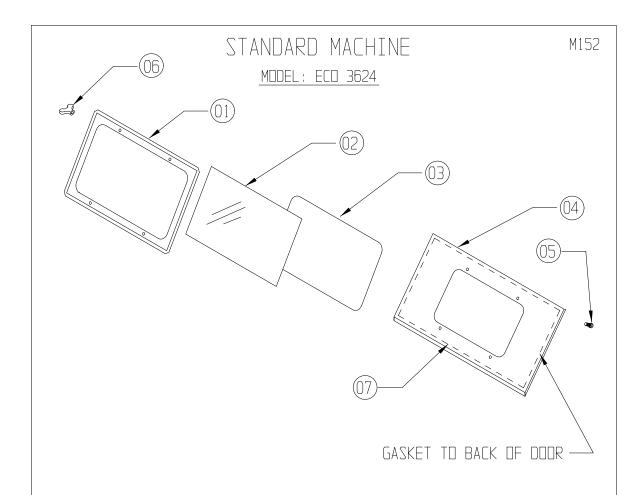
#### TROUBLESHOOTING

- 1. Blasting Gun: After 10-12 hours of blasting time the air orifice and nozzle should be checked. If the nozzle shows wear, rotate ¼ turn to prevent uneven wear. If this is not checked, it could result in destruction of nozzle and damage to the gun housing. If wear is detected on the orifice tip, replace it.
- 2. Caking of Media:
- A. Media caking is caused by moisture in compressed air supply of oily and greasy parts. If this is not corrected, media will not flow and will clog gun. Check air supply. If water or moisture is present, install a good moisture trap. If oily or greasy parts are being blast treated, you should first degrease and dry parts.
- B. If blast gun should occasionally clog, place thumb over nozzle (hold tight) and pull trigger 3 to 4 seconds. This will cause the system to back blast through the gun media hose and clear media hose.
- 3. Gun Air Pressure Drop: Set air regulator at 80 PSI on air gauge. A restriction in the supply line such as reducers of quick couplers will cause pressure drop. Also, if the blast cabinet is to far from the air compressor, a pressure drop can occur. We recommend ½"- 1" I.D. air supply line

- 4. Poor Visibility Excessive Dust:
- A. Cabinet air inlet blocked, check for blockage.
- B. Dust collector sump full and needs emptying.
- C. Cartridge contaminated. Clean by pushing up and down.
- D. Media breakdown replace media.
- 5. Poor Media Flow:
- A. Wet or damp media caused from moisture or oil in compressed air line.
- B. Use dry air or install moisture filter.
- C. Replace media and clean media sump hose.
- D. Hole in media hose from wear, replace hose assembly.
- E. Air orifice assembly in gun worn, replace assembly.

DO NOT OPEN ANY OF THE DOORS WHEN MACHINE IS IN OPERATION.



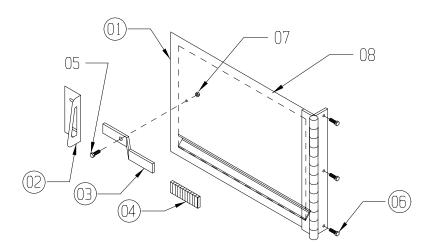


ITEM NO.	ΩTY.	DESCRIPTION	PART NO.
01	1	WINDOW FRAME	23-053
02	1	WINDOW, VIEWING	23-050
03	1	WINDOW GASKET (75")	24-054
04	1	FRONT DOOR	A745
05	4	1/4-20 x 1 RDLOX	30-148
06	4	1/4-20 WING NUT	30-510
07	1	DOOR GASKET (112")	24-054

- INSTALL FRONT DOOR TO CABINET USING (6) 10-24 x 1/2 SCREWS
- AND 10-24 NYLOCK NUTS. RUN IN (4) 1/4 × 1" ROLOX BOLTS FROM BACK OF DOOR AROUND WINDOW OPENING. INSTALL GASKET AROUND INSIDE EDGES OF DOOR.
- INSTALL GASKET TO OUTSIDE OF DOOR AROUND WINDOW OPENING.
- LAY WINDOW GLASS ON GASKET, SET WINDOW FRAME ON SCREWS AND HOLD IN PLACE WITH (4) WING NUTS.
- 13
- 14
- 15
- 16

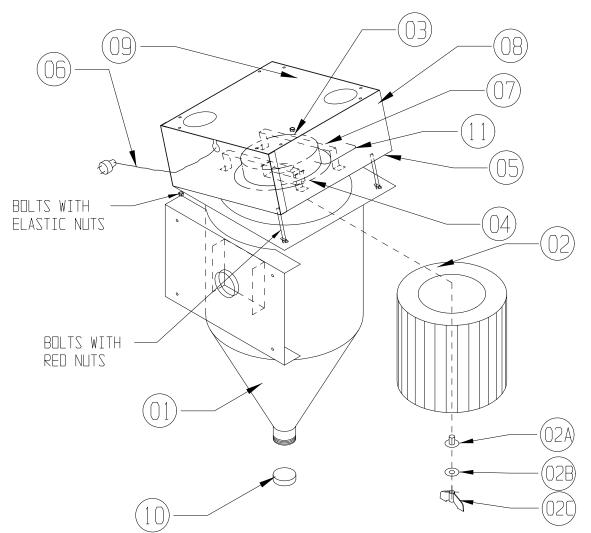
## STANDARD MACHINE SIDE DOOR

M155



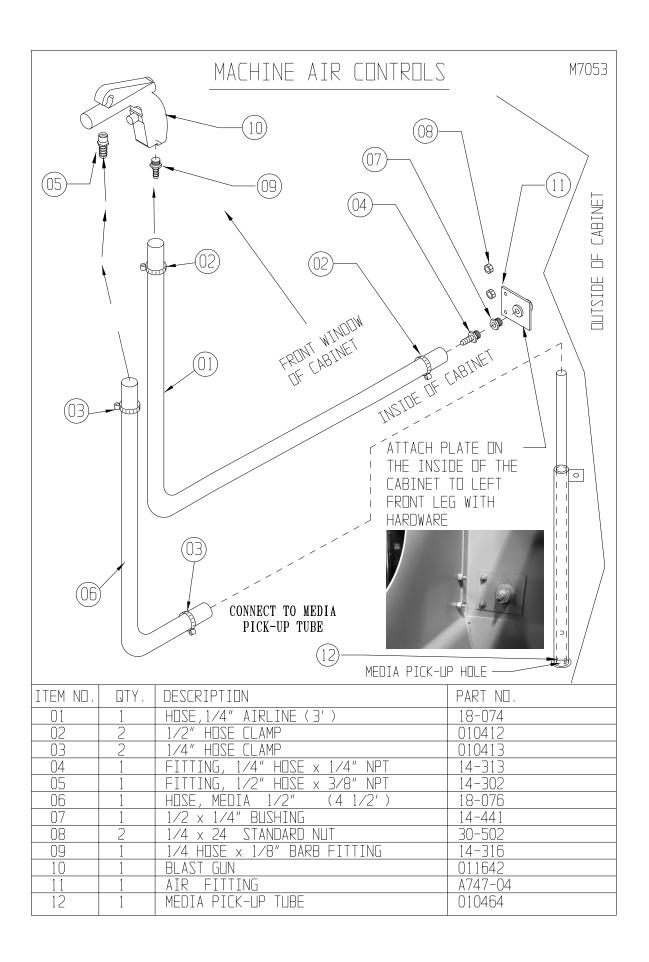
ITEM NO.	ΩTΥ.	DESCRIPTION	PART NO.
01	1	SIDE DOOR	A755
02	1	LATCH, DOOR	15-718
03	1	CAM, DOOR	15-719
04	1	DOOR CAM RUBBER GRIP	15-720
05	1	1/4 x 1" BOLT	30-106
06	3	10-24 x 1/2 SCREW	30-101
07	1	1/4" NYLOCK NUT	30-503
08	1	DOOR GASKET (60")	24-054
09	3	10-24 NYLOCK NUTS	30-500

- INSTALL SIDE DOOR TO CABINET USING (3) 10-24 x 1/2 SCREWS AND 10-24 NYLOCK NUTS. 2. RUN IN (4) 1/4  $\times$  1" ROLOX BOLTS FROM BACK OF DOOR AROUND
- WINDOW OPENING.
- 3. INSTALL GASKET AROUND INSIDE EDGES OF DOOR.
- INSTALL GASKET TO OUTSIDE OF DOOR AROUND WINDOW OPENING.
- LAY WINDOW GLASS ON GASKET, SET WINDOW FRAME ON SCREWS AND HOLD IN PLACE WITH (4) WING NUTS.
- 13
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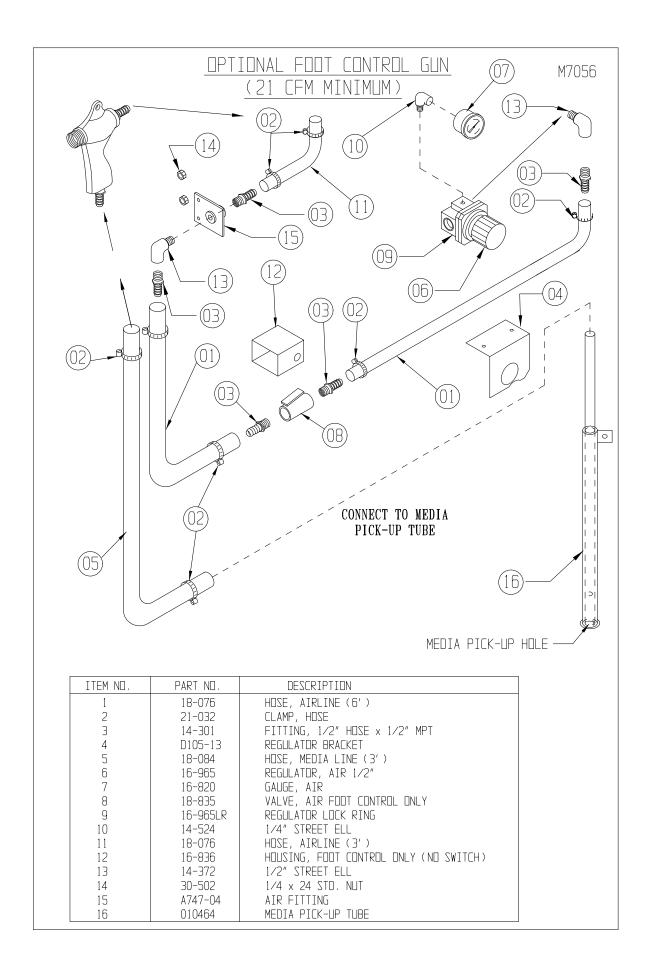


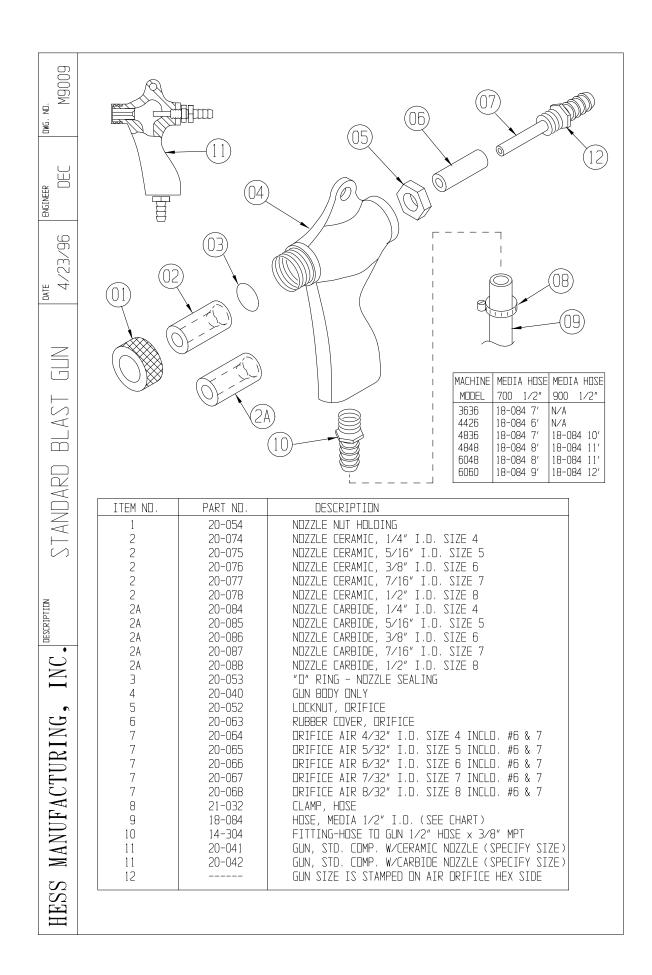
\*NOTE: ITEM (2A) RUBBER SEAL MUST BE IN PLACE
TO REDUCE PREMATURE MOTOR FAILURE

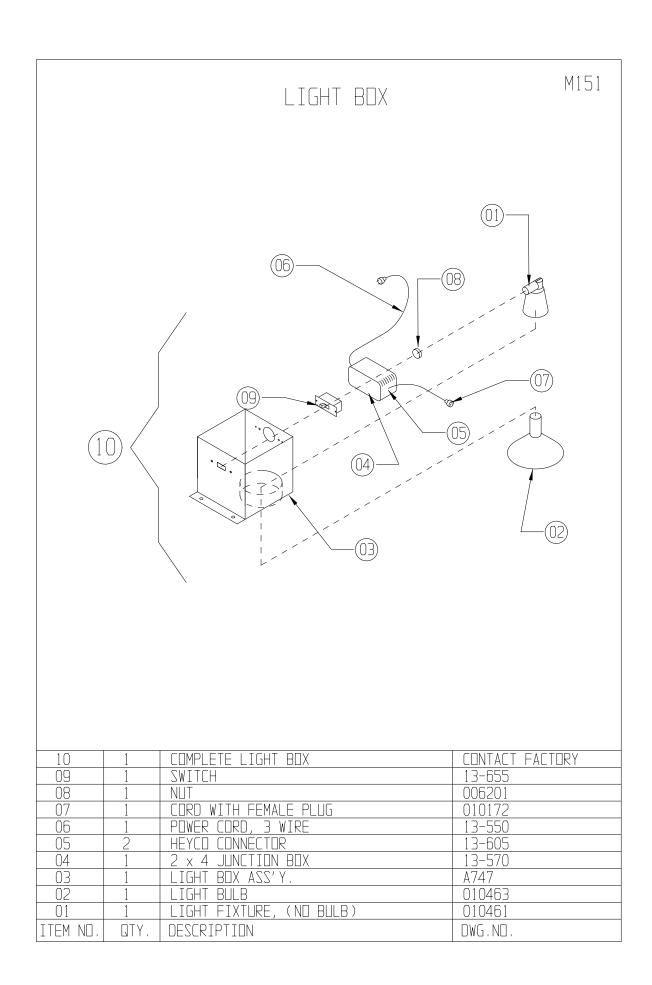
ITEM NO.	PART NO.	DESCRIPTION
1	D2025	DUST COLLECTOR BODY
2	11-1524	DUST COLLECTOR CARTRIDGE (INCLUDES 2A,2B,2C)
2A	11-1524S	RUBBER SEAL
2B	30-601	1/4" WASHER
2C	30-510	1/4" WING NUT
3	13-200	MOTOR, 120V, 60/50 Hz, 6.9 AMP
4	24-056	GASKET, MOTOR SEAL
5	24-054-48	GASKET, TOP SEALING
6	010172	CORD, MALE PLUG
7	D2025-09	MOTOR BRACKETS
8	D2025-05&06	MOTOR HOUSING
9	D2025-04	COVER PLATE
10	010217	2" PIPE CAP
11		LIFT HANDLE

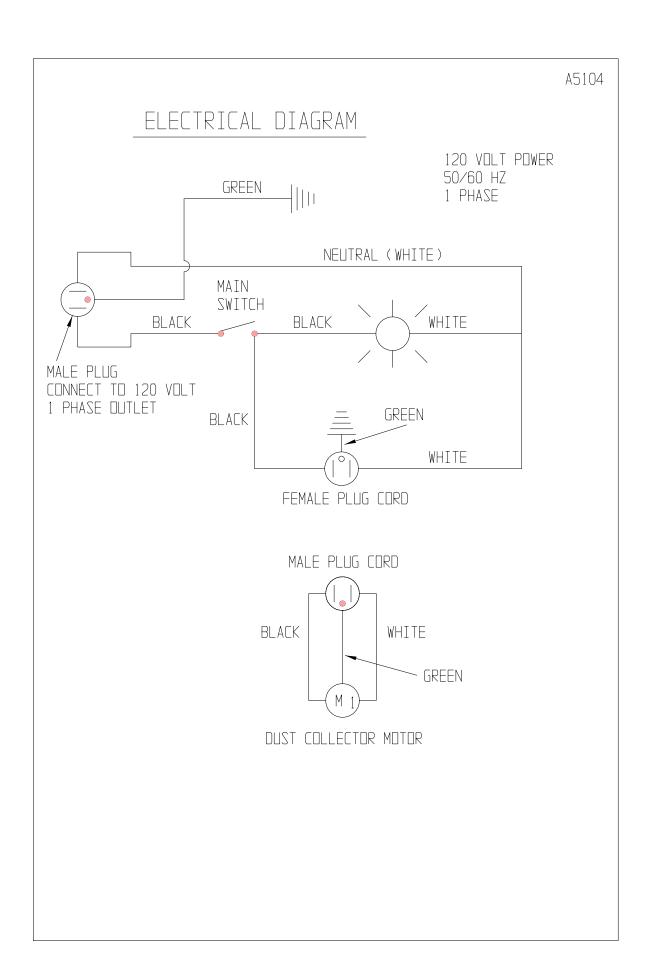


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# **BLAST-IT-ALL**®

A Division of Hess Manufacturing Inc. 185 Piper Lane Salisbury, NC 28147 P O Box 1615 Salisbury, NC 28145 Toll Free 800-535-2612 Fax 704-638-9311





Hess Manufacturing Inc. Warrants to the original purchaser of the merchandise sold, to be free from defects in material or workmanship under normal use and service for a period of (5) years. This warranty does not cover typical wear items. Upon prompt notification by the purchaser, to HM, components that are determined by HM to be defective will be repaired or replaced at no additional charge F.O.B. our factory.

This warranty requires the following:

- 1) A completed and returned Warranty Registration card.
- 2) Use of Genuine Blast-it-all® OEM replacement parts purchased through Hess Manufacturing Inc.
  Blast-it-all® to include common wear items. For the entire period of the warranty.
- 3) Failures to provide proof of the purchase of Blast-it-all® OEM wear Items voids warranty.

Manufacturer shall have the right to inspect prior replacing all merchandise in question.

Manufacturer shall not be required to pay any removal or installation charges whatsoever

Manufacturer shall not be held liable for prospective profits, special or consequential damages, nor shall any recovery of any kind against manufacturer be greater in amount the cost of the repairs of defects in workmanship

This warranty does not apply to damage caused by accidents, damage occurring during transit, alterations by unauthorized personnel, abuse or damage by flood, fire or acts of God, nor by artificially generated electric currents or any other cause whatsoever except defects in material or factory workmanship.

In ALL cases, defective parts must be returned to Hess Manufacturing Inc. before credit is issued.

This warranty is in lieu of all other warranties expressed, written or implied and releases Hess Manufacturing Inc. of all other obligations and liabilities whatsoever. This warranty neither assumes nor authorizes any person any obligation other than those specified by this warranty.



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