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Operation Manual & Parts List Model PT100SK

INSTALLATION OF SIDE KICK TO EXISTING BLAST CABINET

- 1) DRILL A 1 1/4" HOLE ON THE LEFT HAND SIDE OF CABINET.
(NEAR WHERE THE SIPHON GUN USED TO BE).
- 2) PLACE GROMMIT (SUPPLIED) ONTO THE HOLE.
- 3) TAKE THE CLAMP LOOSE FROM THE NOZZLE END ON HOSE.
- 4) TAKE THE NOZZLE END ASSEMBLY OFF THE HOSE.
- 5) SPRAY GROMMIT HOLE W/WINDEX (TO MAKE SLIPPERY).
- 6) SLIDE HOSE THRU THE HOLE.
- 7) PUT NOZZLE END ASSEMBLY & CLAMP BACK ONTO THE HOSE.
- 8) FOLLOW ATTACHED INSTRUCTIONS FOR FILLING TANK.

WARNING!! Abrasive blast cabinets produce a powerful flow of abrasive particles. To avoid personal injury and/or property damage, read this manual thoroughly before operating the blast cabinet. It is suggested this manual is kept for reference of blaster model number and replacement parts listing.

This blast cabinet is set up for use with **DRY Abrasive Materials ONLY! DO NOT MIX FLUIDS WITH BLAST MATERIAL!**

SET-UP INSTRUCTIONS FOR PT40/PT-100 SIDE KICK

- 1) DO NOT ATTACH AIR SUPPLY YET!!
- 2) MAKE SURE ALL BALL VALVES ARE IN THE CLOSED POSITION.
(SEE VALVES IF YOU ARE NOT SURE)
- 3) POUR CLEAN BLASTING MATERIAL INTO POT. 30-35 LBS. PT-40SK, 90-95 LBS. PT-100SK.
- 4) ATTACH AIR SUPPLY TO VALVE 'A'. REMEMBER ALL VALVES SHOULD BE CLOSED.
- 5) PULL UP ON HANDLE TO COVER THE TANK OPENING.
- 6) OPEN VALVE 'A'. THIS SHOULD PRESSURIZE THE POT, THEREFORE SEALING THE POT. (LET GO OF HANDLE IF NOT ALREADY DONE).
- 7) ADJUST AIR PRESSURE GRADUALLY WITH REGULATOR TO 60-80 PSI.
- 8) OPEN VALVE 'B' 1/4- 1/2 OPEN, AS TO GET A GOOD FLOW OF MATERIAL COMING OUT NOZZLE.
NEVER OPERATE THIS UNIT WITH VALVE 'B' FULL OPEN. THIS CLOGS HOSES.
- 9) ONCE YOU ARE READY TO BLAST, DEPRESS FOOT PEDAL.

PLEASE NOTE, WHEN SHUTTING DOWN THE SYSTEM OR REFILLING THE POT, YOU MUST FOLLOW THE 'SHUT DOWN INSTRUCTIONS'.

FAILURE TO DO SO WILL RUIN THE VALVE IN THE FOOT PEDAL & THE REGULATOR. THIS IS NOT A WARRANTY SITUATION WHEN UNIT IS NOT PROPERLY SHUT DOWN!

SHUT DOWN INSTRUCTIONS:

- 1) CLOSE THE AIR INLET VALVE 'A'.
- 2) DISCONNECT AIR SUPPLY FROM THIS VALVE.
- 3) DEPRESS FOOT PEDAL AND ALLOW ALL AIR PRESSURE TO LEAVE THE SYSTEM THRU THE NOZZLE END.
- 4) AFTER ALL AIR PRESSURE IS RELEASED, YOU CAN PUSH THE LEVER HANDLE DOWN TO OPEN TANK SEAL TO ADD BLAST MATERIAL IF NECESSARY.

WARNING

TO AVOID COMMON PROBLEMS

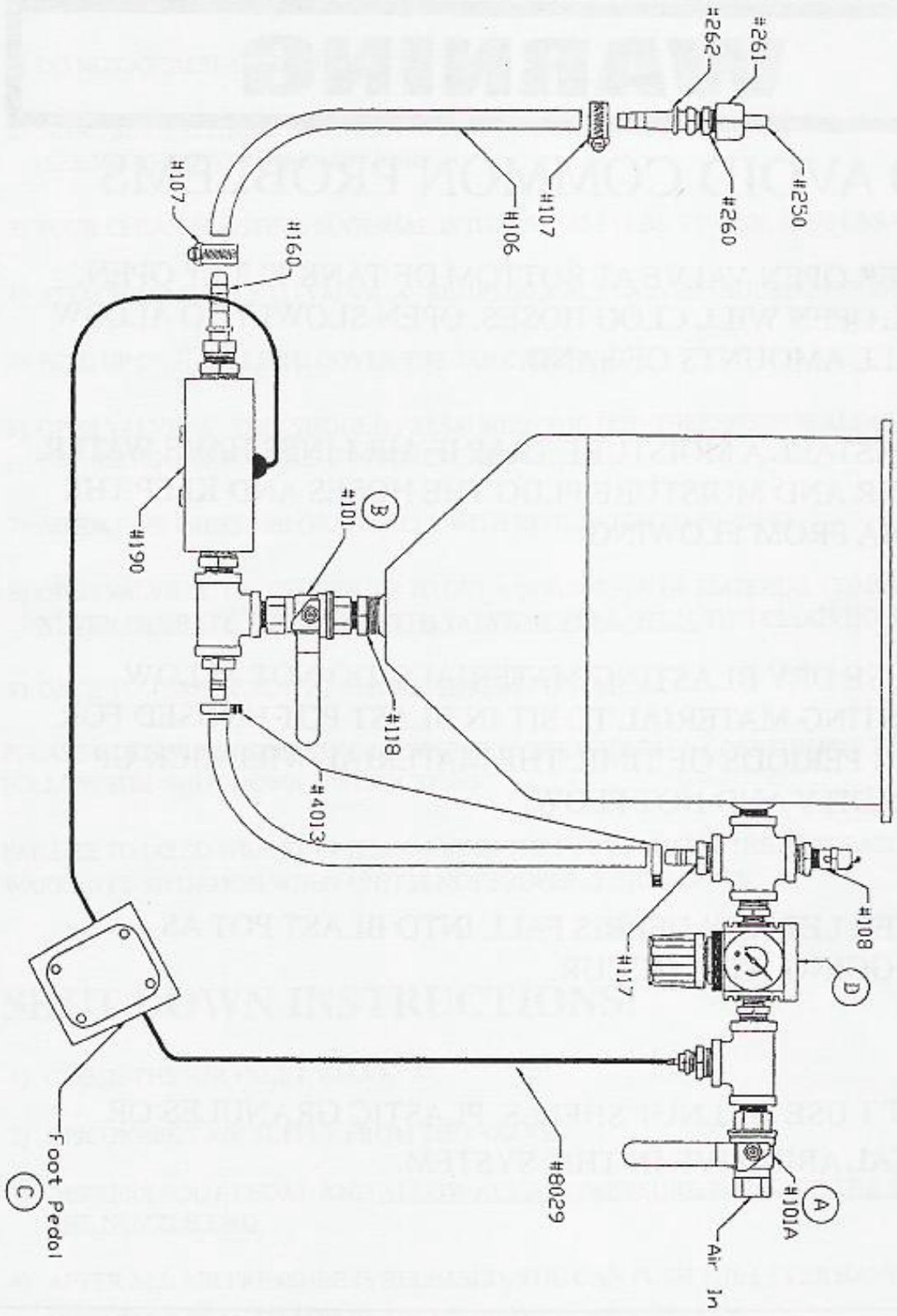
NEVER OPEN VALVE AT BOTTOM OF TANK FULLY OPEN. FULL OPEN WILL CLOG HOSES. OPEN SLOWLY TO ALLOW SMALL AMOUNTS OF SAND.

DO INSTALL A MOISTURE TRAP IF AIR LINES HAVE WATER. WATER AND MOISTURE PLUG THE HOSES AND KEEP THE MEDIA FROM FLOWING.

DO USE DRY BLASTING MATERIALS. DO NOT ALLOW BLASTING MATERIAL TO SIT IN BLAST POT UNUSED FOR LONG PERIODS OF TIME. THE MATERIAL WILL PICK UP HUMIDITY AND NOT FLOW.

NEVER LET ANY DEBRIS FALL INTO BLAST POT AS CLOGGING WILL OCCUR.

DON'T USE WALNUT SHELLS, PLASTIC GRANULES OR METAL ABRASIVE IN THIS SYSTEM.



AIR LINE PRESSURE INFORMATION!!

VERY IMPORTANT FOR PROPER OPERATION OF SYSTEM.

THIS UNIT FEATURES A UNIQUE SYSTEM FOR CONTROLLING AIR FLOW TO THE BLAST NOZZLE. AIR THAT ENTERS BALL VALVE 'A' ENTERS AT LINE PRESSURE.

THEN IT FLOWS INTO THE AIR REGULATOR 'D' AND ENTERS THE TANK AT A LOWER AIR PRESSURE THAN THE LINE PRESSURE. WE HAVE TURNED THE REGULATOR DOWN AFTER TESTING. YOU WILL NEED TO ADJUST THIS FOR YOUR PARTICULAR APPLICATION.

IF THE PRESSURE IN THE TANK EQUALS THE LINE PRESSURE, THE DIAPHRAM VALVE ON THE BOTTOM OF THE TANK PLUMBING WILL NOT FUNCTION, ALLOWING AIR & BLAST MATERIAL TO FLOW UNCONTROLLED OUT OF THE BLAST NOZZLE INSIDE THE CABINET. THE CAN CAUSE DAMAGE TO YOUR WORK PIECE AND POSSIBLY TO THE CABINET.

THE REGULATOR MUST BE SET 30-40 PSI LOWER THAN YOUR LINE PRESSURE IN ORDER FOR THE SYSTEM TO FUNCTION PROPERLY!!

SHUT DOWN INSTRUCTIONS:

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- 4) AFTER ALL AIR PRESSURE IS RELEASED, YOU CAN PUSH THE LEVER HANDLE DOWN TO OPEN TANK SEAL TO ADD BLAST MATERIAL IF NECESSARY.