

CrystalBlast Dust Collector Removal

The following procedure will insure proper removal and reassembly of the dust collector from the CrystalBlast machine if required.

Items can be removed without using the sequence listed but it is important to follow the general outline.

GETTING STARTED

It is advisable to obtain a 3/8" ratchet set complete with socket extensions prior to starting. Other necessary tools include; standard screwdriver...needle nose pliers...small clamps and pencil and paper for recording those important notes.

- If the machine has been used, remove all air and electrical connections.
- Using a plastic bag and storage container, drain the dust collector hopper by removing the 2-1/2" plastic cap located at the bottom of the dust storage hopper. (see fig.1)
- Use the clamps to temporarily fasten and hold the hopper assembly brackets. The brackets include 4 each 5/16" assembly bolts-nuts & washers. After clamp installation remove the assembly bolts and while holding the hopper from below, remove the holding clamps and lower hopper. (see fig. 2)
- Locate the cartridge-tightening knob and loosen. Loosening the holding knob will allow rotation of the cartridge holding channel permitting the cartridge tightening assembly and the cartridge to drop from inside the dust collector housing. (see fig. 3)

WARNING:

Remove the filter cartridge very slowly. Take care not to allow the filter pleats to come in contact with the dust collector housing sealing area. If you damage any part of the filter surface pleats, use silicone sealer on the damaged area to seal prior to assembly.

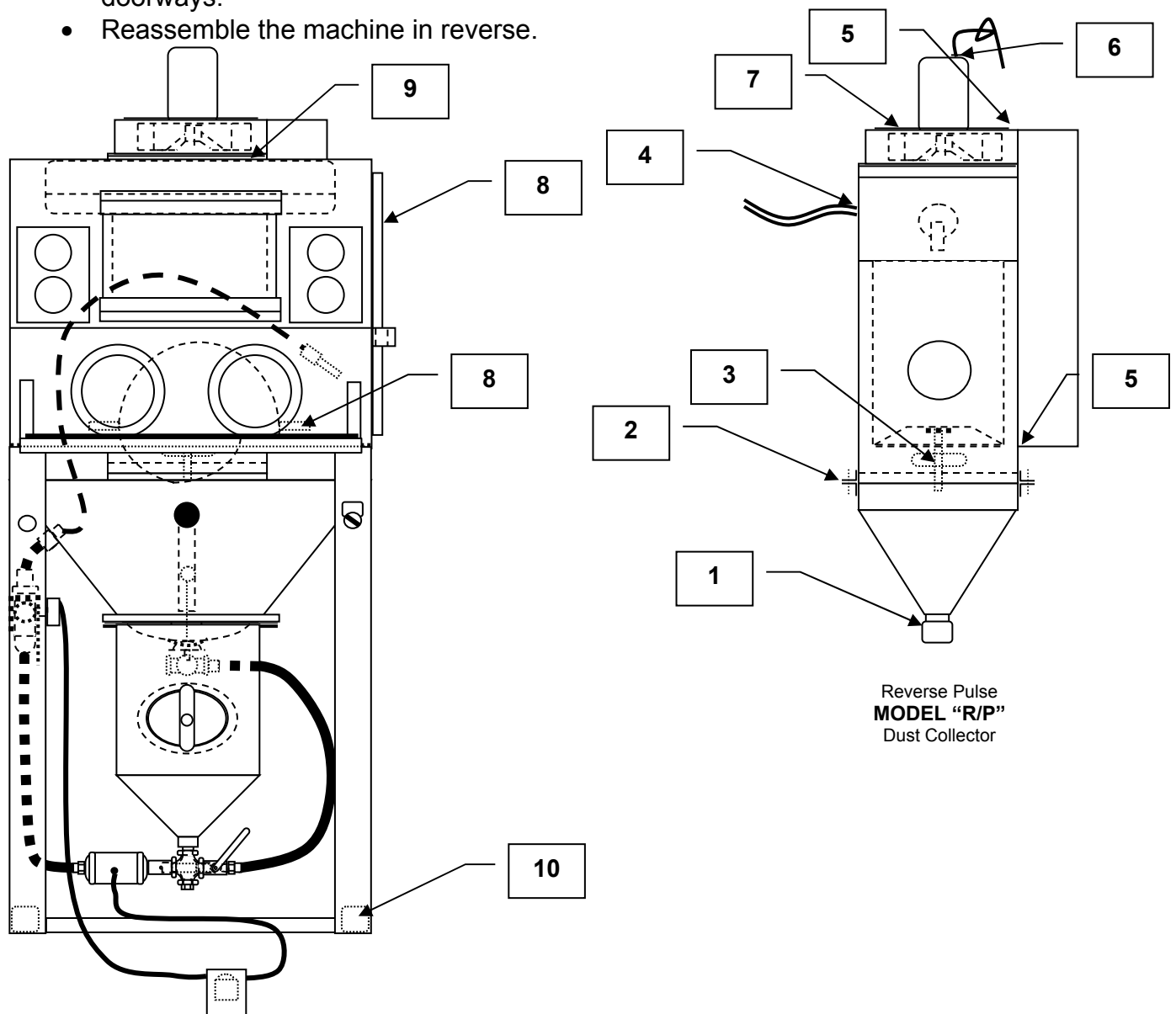
- Go to the left side of the dust collector, opposite the machine access door, and push in on the 1/4" tube fitting release collars. While the collars are pushed in, pull the tube to remove from the fitting. Remove both airlines and mark with tape to permit proper installation. If the machine is new you will notice yellow or white assembly dots to indicate assembly location. (see fig. 4)
- Remove the self-tapping holding screws attaching the dust collector silencer and remove the silencer from the machine. (see fig. 5)
- Remove the motor power cord pinch cover and remove the power connection cord. This is a 120-volt motor and the motor rotation can't be reversed. (see fig. 6)
- Remove the blower motor and mounting plate by removing all attachment plate screws. Note the location of the cord for reassembly. (see fig. 7)
- Open the machine access door and remove the rear half of the machine perforated work grate. Removing the rear work grate will permit complete removal of the separator reclaimer. Remove the two each 5/16" separator mounting nuts and washers holding the separator reclaimer onto the rear wall. Loosen bolts and remove the separator reclaimer from the machine. (see fig. 8)
- Loosen and remove the dust collector assembly hanging bracket nuts only. Nuts are located inside the machine top rear between the light and rear wall. When reinstalling

the dust collector, use these bolts to hold the dust collector in place while attaching the rear wall holding bolts. (see fig. 9)

NOTE:

Do not remove the top bracket holding bolts, only the nuts. The bolts will allow removal of the rear wall assembly bolts and keep the collector attached to the machine.

- Locate and remove the remaining cabinet dust collector rear wall holding bolts. The top bracket bolts will be holding the dust collector in place.
- Using two people, hold the bottom and the top of the dust collector and while pulling the bottom away from the rear wall of the cabinet lift up on the collector and set to the rear of the machine. Remove the bolts still attached to the top-holing bracket.
- Inspect any seals at this time for damage. If damaged contact seal material is available at any home improvement store location.
- The machine rear balance legs are removable to permit passage through smaller doorways.
- Reassemble the machine in reverse.



It is possible that minor changes in machine fabrication and assembly could alter the above procedure