

CLAYTON

Preserving The Earth's Natural Resources — Assuring A Safe Workplace For All

Brakewasher Troubleshooting Guide

- This Guide is for troubleshooting the following drum-style Brakewasher models:
- BCE-300 series
- BCE-500 series
- BCE-350 series
- BB-2000 series



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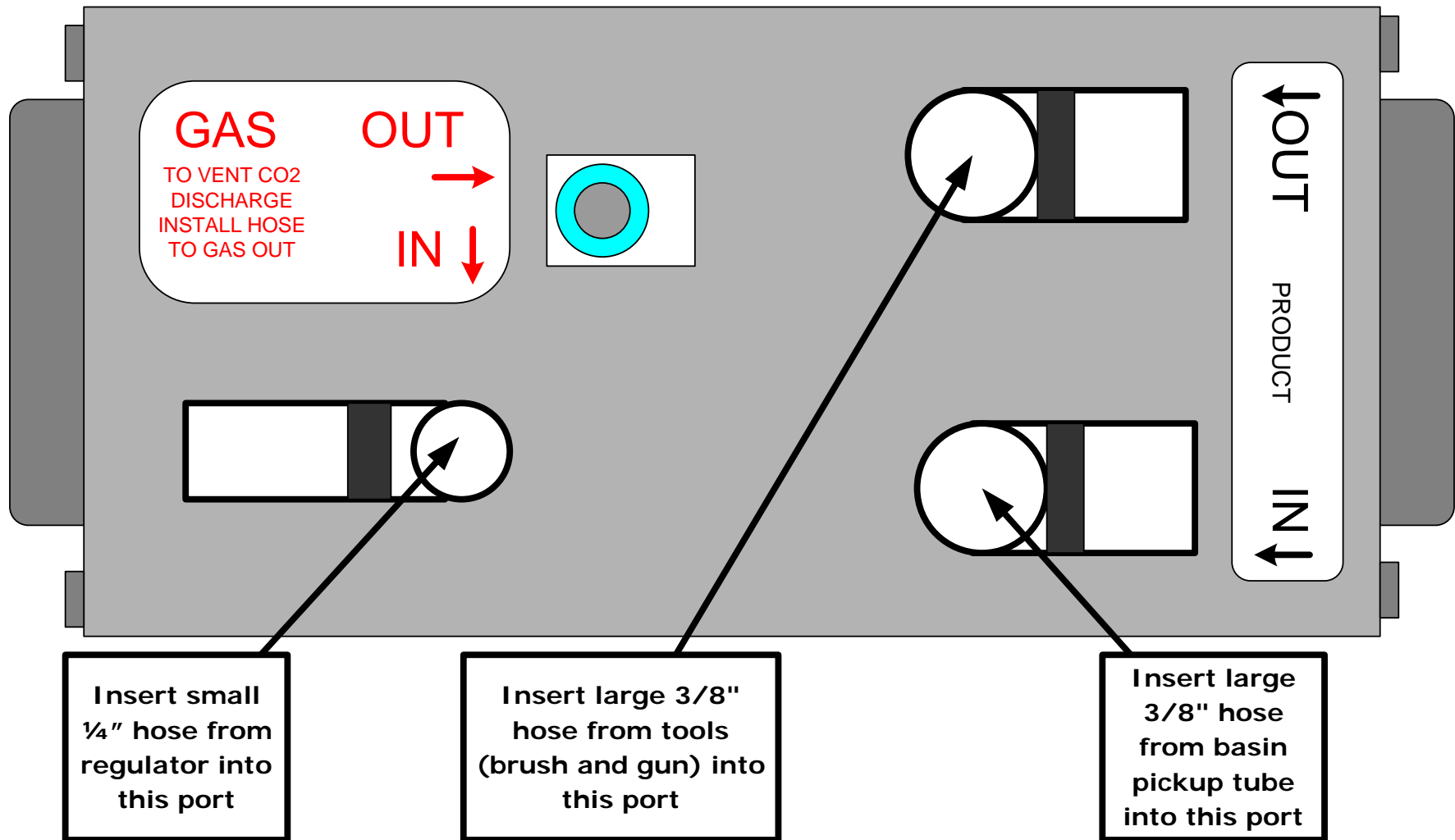
Problem: Brake cleaning solution does not stop flowing from the injector nozzle or from the flo-thru brush tip.

- You will need to replace whichever tools are causing the problem.
- Remove the tips and fittings from the tools, and order a new fluid gun. This part is just the gun portion, and you'll need to reattach your nozzles or brush tip to the new gun.
- Now is also a good time to replace the injector nozzle or brush tip if they are old or worn.

- **Parts to order:**

- **300-018B** **Gun only**
- **300-045B** **Injector tip**
- **300-012** **Brush tip**





To connect a hose into a port, pull the small tab alongside the port AWAY from the hose. This will open the port. Gently push the hose into the port until it is all the way in. Slide the tab back towards the hose until you feel it lock into place. This will ensure a positive connection.

Problem: Brake cleaning solution flows through tools, but has slowed to a trickle.

- First, check the pickup tube, which hangs in the barrel. Ensure that the Supply line filter (the small round screen at the end of the pickup tube) is clean and clear. Sometimes, debris in the barrel can clog the pickup tube, reducing flow of solution. If this is the case, replace the supply line filter.
- If you are troubleshooting a Clayton BCE-500, check the Ultra Cartridge filter, which is in a black canister on the side of the barrel. If this filter is old or clogged, replace it.
- Next, disconnect the pickup tube from the pump. The tube is held in place by a small tab which slides to the side to release the tube. Visually examine the tube to be sure that debris is not clogging the tube. If it is clogged, replace the Liquid Pickup Tube.
- Next, disconnect the air supply line from the pump. This is the smaller tube which runs from the regulator to the pump. Connect the regulator to your shop's air supply. Be sure that there is good air flow out of the regulator. If not, you'll need to replace the regulator.

- **Parts to order:**

- **300-005B** **Supply line filter**
- **300-A078B** **Liquid Pickup Tube**
- **300-009B** **Regulator**
- **500-039-6** **Ultra cartridge filter (6pk)**



Problem: Brakewasher is not pumping any solution

- First, disconnect the air supply line from the pump. This is the smaller tube which runs from the regulator to the pump. Connect the regulator to your shop's air supply. Be sure that there is good air flow out of the regulator. If not, you'll need to replace the regulator.
- Next, reconnect the air line, and disconnect the tube which goes to your tools. This tube is connected to the pump through the port which reads: Product Out. Place a bucket underneath the pump, and connect your Clayton Brakewasher to your shop's air supply. Fluid should immediately begin gushing out of the pump and into the bucket. If this is the case, then you'll need to replace the tools and hoses assembly.
- If no solution is pumping out of the pump, and you have confirmed that you have adequate air flow coming out of the regulator, then you will need to replace the pump. A common sign of a blown pump is a steady stream of air coming from the blue nozzle.
- **Parts to order:**
 - **300-001B Pump**
 - **300-009B Regulator**
 - **500-100A Tools and hoses assembly**



Problem: Brakewasher is pumping solution at too high a rate.

- The regulator is putting out too much pressure. You will need to replace the regulator.
- **CAUTION!!** Do not attempt to adjust the regulator in the shop. Any attempt to adjust the regulator immediately voids the warranty on BOTH the pump and the regulator.
- **Parts to order:**
 - **300-009B Regulator**



Special note on Regulator and Pump warranties

- **All regulators and pumps have a one year warranty.**
- **If you are returning a regulator under warranty, send ONLY the regulator (no fittings or hoses).**
- **If you are returning a pump under warranty, you MUST return the pump AND the regulator, with no other fittings or hoses. A replacement regulator will be issued with your warranty pump.**

Problem: Oil Magnet has sunk beneath the surface of the solution.

- The oil magnet is saturated with oil. Wring out the oil into your shop's waste oil container. If the oil magnet still sinks, or oil remains in solution, replace oil magnet.

- **Parts to order:**

- **300-006EA Clayton Oil Magnet**



Problem: Brakewasher has lost its cleaning strength.

- Drain barrel and refill with fresh solution (1 Liter of Clayton TNT Solution mixed with ten gallons of water).
- Solution should be changed after 450 brake jobs, or after 2 months, whichever comes first.

- **Parts to order:**

- **300-361CS 6 liter case of Clayton TNT**



Still no luck troubleshooting the problem?

- At Clayton, we are committed to customer satisfaction.
- If you are still having trouble with your Clayton Brakewasher, please call us, and we'll have a technician help resolve the problem.

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