ISOLATING INDIVIDUAL COMPONENTS FOR A NO SPRAY CONDITION ON CARPET EXTRACTORS

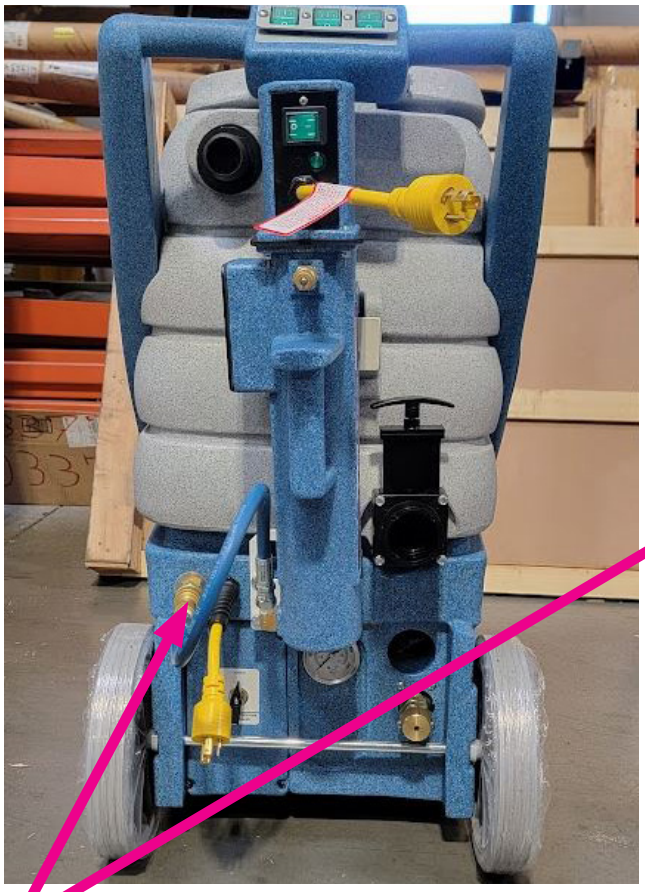
WARNING: To prevent risk of electric shock, use only a proper grounded power cord on a GFCI protected circuit or GFCI protected power strip.

Introduction:
The following sequence can be used to determine whether a “NO SPRAY” condition is being caused by the machine or a component such as a clogged hose or spray tips.
You may leave the vacuum hose off as it will not be part of this test.

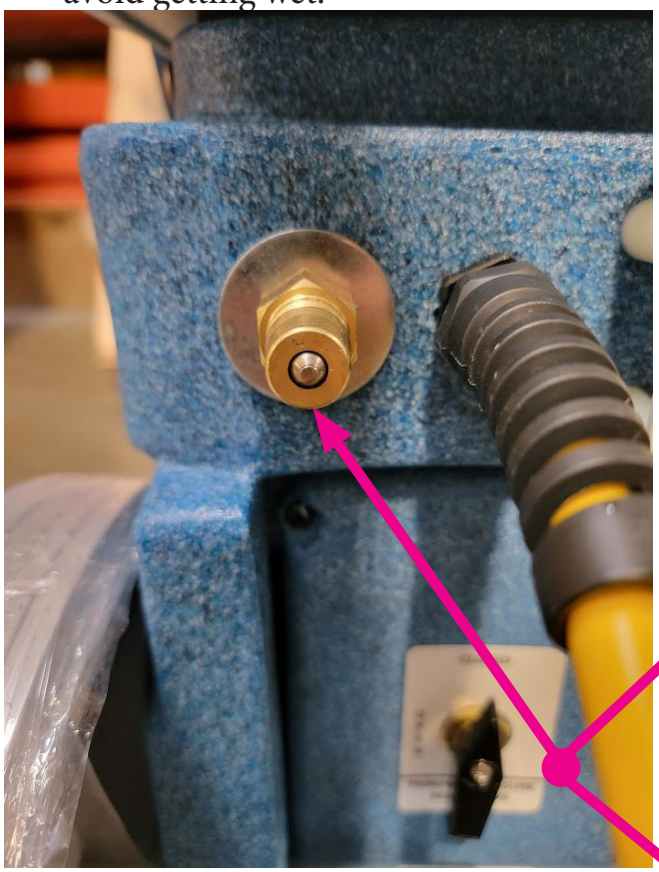
The easiest way to perform this test is by using an 80595A priming hose. If you do not have one you can use a female Quick Disconnect (Q.D.) with no attachment on the threaded end.

A00102

1. Add water to your solution tank.
2. Disconnect the heater hose from the back of the machine by sliding the lock ring on the female Q.D. and pulling away from the male Q.D.



3. Connect your priming hose or a female Q.D. to the male Q.D. on the machine. If you don't have a priming hose, attach a female Q.D. as shown at the bottom of the page. When using a Q.D., stand to the side of the machine before turning on the pump to avoid getting wet.

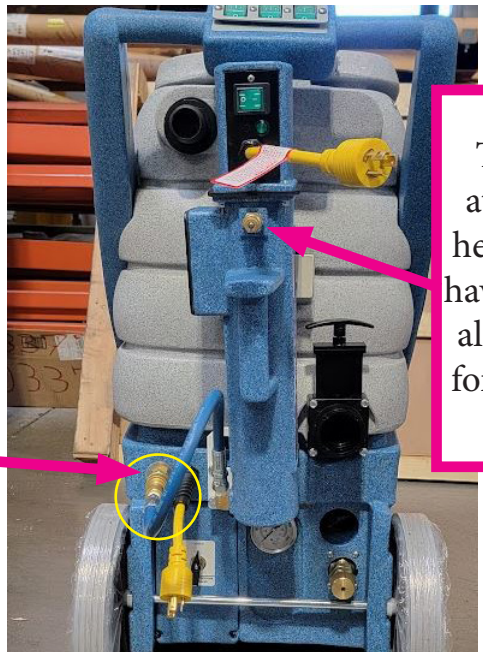


80595A Priming hose shown above

4. **Turn on the pump.** Look for a steady flow. If the water only drips or doesn't flow from the open end, there may be an issue with the pump or an internal component. If the water flows properly, proceed to the next step. **Turn off the pump before continuing.**
5. **Occasionally, an airlock may prevent the pump from priming properly. After step 4, operate the machine as usual to check for spray. If it sprays, the issue was an airlock. If not, proceed to step 6.**

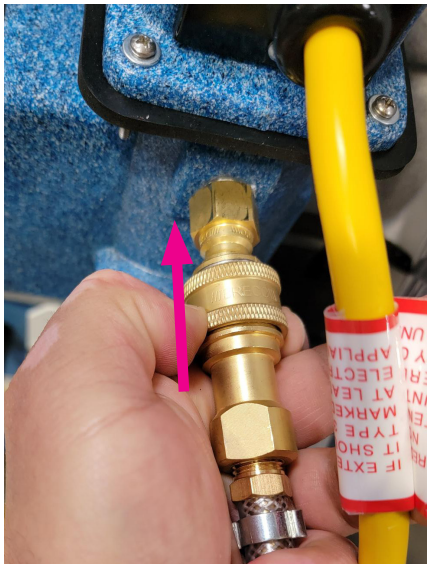
Open ended female Q.D. shown below.

6. Connect the female Q.D. on the end of the heater hose back to the male Q.D. on the machine. Leave the heater unplugged and powered off.



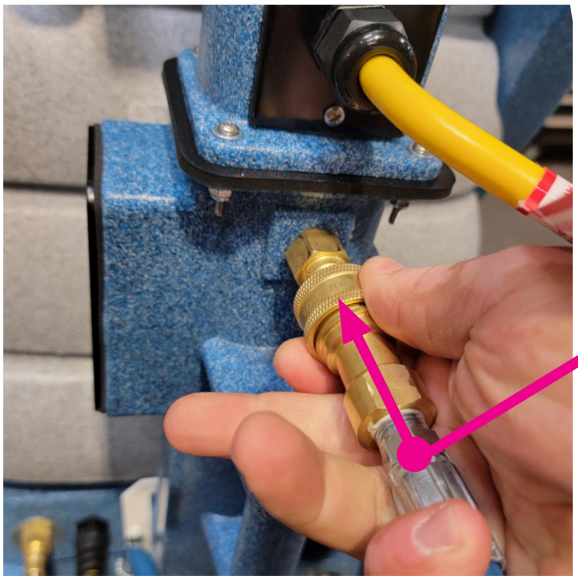
The male Q.D. at the top of the heater should not have any additional hoses attached for the next steps.

7. Connect your priming hose or a female Q.D. to the male Q.D. on top of the heater. If you don't have a priming hose, attach a female Q.D. as shown below in the last image. When using an open ended Q.D., stand to the side of the machine before turning on the pump to avoid getting wet.



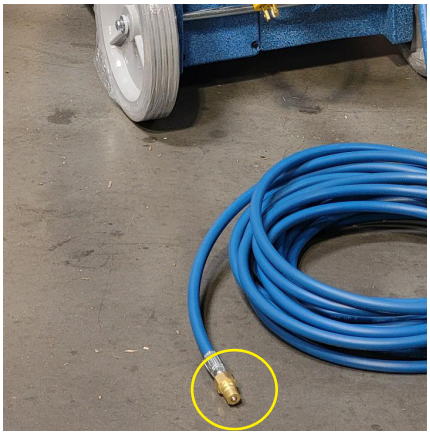
8. **Turn on the pump.** Look for a steady flow. If the water only drips or doesn't flow from the open end, there may be an issue with the female Q.D. on the heater hose or the male Q.D. at the top of the heater. If the water flows properly, proceed to the next step. **Turn off the pump before continuing.**

9. Connect the female Q.D. on the end of the 25ft solution hose to the male Q.D. on the machine.



The male Q.D. at the end of the 25 ft solution hose should not have a wand attached for the next steps.

10. Connect your priming hose or a female Q.D. to the male Q.D. on the end of the 25ft solution hose. If you don't have a priming hose, attach a female Q.D. as shown.



11. **Turn on the pump.** Look for a steady flow. If the water drips or doesn't flow from the open end, there may be an issue with the female Q.D. or the male Q.D. on the 25ft solution hose. If the water flows properly, proceed to the next step. **Turn off the pump before continuing. You will not use a priming hose or female Q.D. for the next steps.**
12. Connect your carpet wand or upholstery tool to the male end of the 25ft solution hose.
13. Turn on the pump and check for a steady flow.

- If water only drips or doesn't flow from the spray tips, the issue may be with the female Q.D., wand valve, or spray tips on the wand or upholstery tool.
- Remove the spray tips and test the wand without them. If water flows, clean or replace the spray tips.
- If water still doesn't flow, test the valve and Q.D. separately on the wand. Remove the female Q.D. and test it at the end of the hose. If water flows, the valve is likely the issue. If water does not flow, the female Q.D. is likely the issue