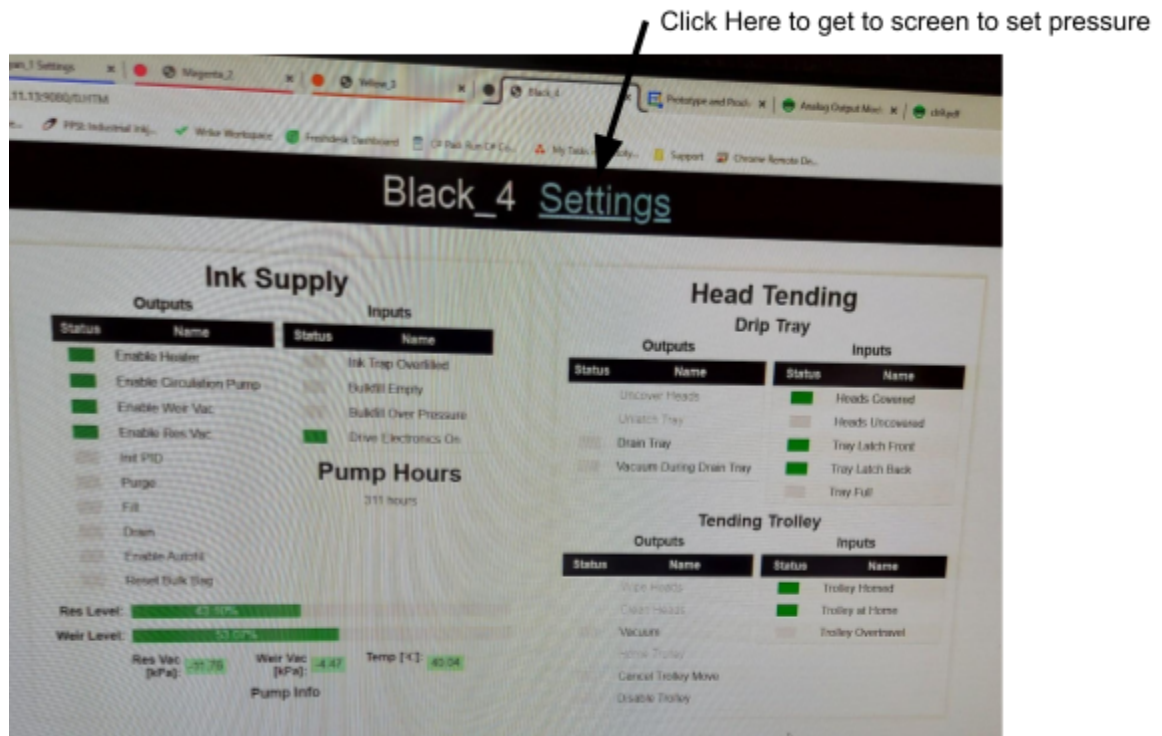
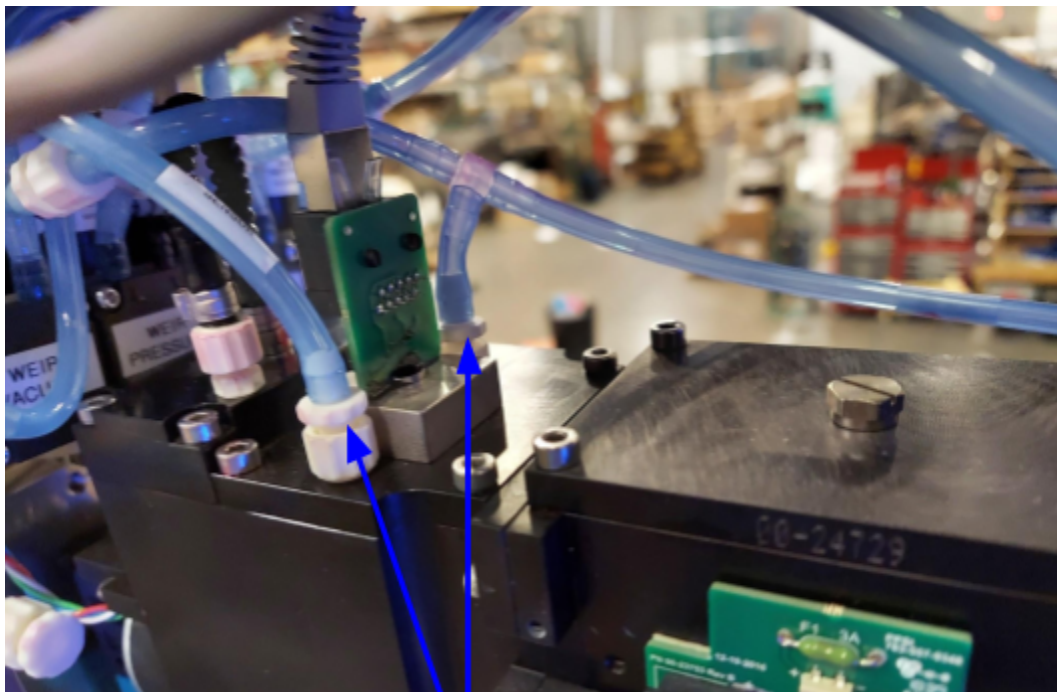
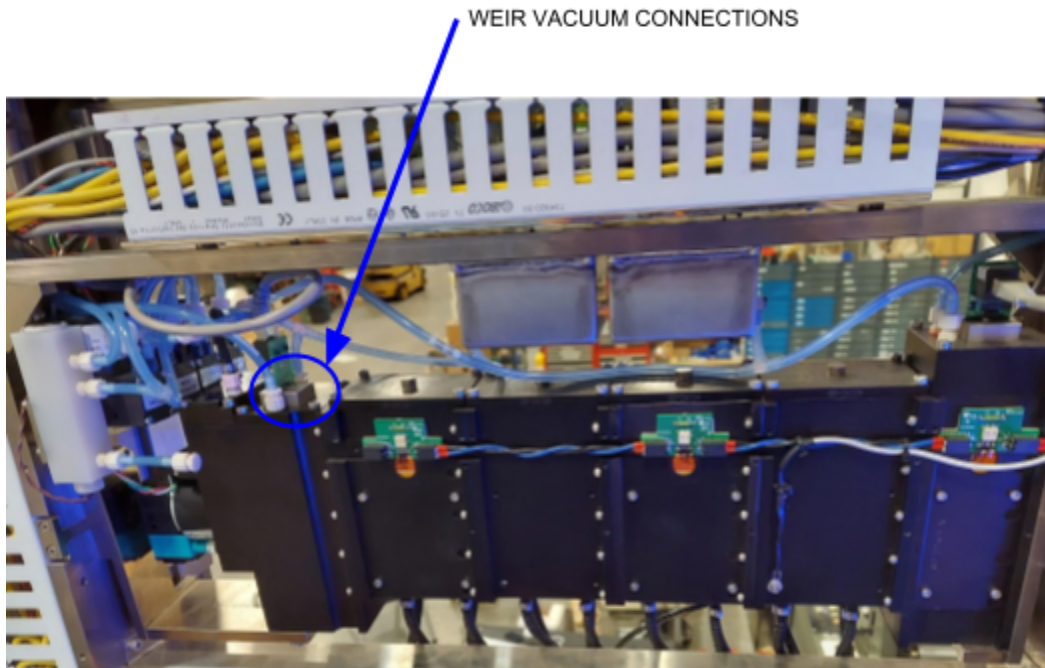


What to do if your circulation pump will not prime on a DICEblade AKA “The Langford Method”

1. Make sure the Weir Vacuum Setpoint is normal (between -3 and -6 kPa, depending on your system) by checking the Settings page of the DICEblade Web Interface.
2. Disable the Circulation, Reservoir, and Weir Vacuum Pumps from the home page of the Web Interface. Note that ink will start dripping if ink is already in the Weir, so keep the Blade Capped and the Drip Tray Drain Pumps running.



3. Vent the Weir chamber to the atmosphere by disconnecting a vacuum hose at one of the two vacuum connection ports on the Weir Block, circled below.



Disconnect one of these two hose fittings from the ink supply and leave it open to the air

- Set the Reservoir Vacuum Pump to $+10\text{kPa}$ (Not -10 BUT PLUS 10) and Enable it.

Black_4 Settings [Home](#)

Blade Name
Name: Update

Setpoints

Weir Level [%]	
Res Level [%]	
Res Vac [kPa]	
Setpoint	-11.750 Update
High	-11.650 Update
Low	-11.650 Update
Res Vac Drain [kPa]	0.000 Update
Weir Vac [kPa]	
Ink Supply Temp [°C]	
Auxiliary Temp [°C]	
Bulk Fill	
Purge	

- Enable the Circulation Pump from the Home screen, and **watch for the Weir Level to begin filling with ink**. If/when it does and hits about 20% full, immediately perform steps 6 and 7. If it does not, try tapping sharply on the side of the Weir Block to help shake a stuck float loose.
- Set the Reservoir Vacuum back to its normal setting (-10 to -15kPa , depending on your system)
- Reconnect the Weir Vacuum hose that was disconnected in Step 2 and Enable the Weir Vacuum Pump.
- Watch to make sure the system circulates correctly, you will most likely need to purge the heads a few times to get the air out of the heads (also called “priming the heads”) so the Reservoir Vacuum will hold at its desired negative pressure.