

# 3 in 1 - Air Compressor Pump Troubleshooting

The oil should be filled to the middle of red dot and no further then the top.

## 1. Oil Level

There is no low oil shutoff on the pump. If the pump has been operated without oil there is a strong chance the head has been blown. In most cases if the pump is blown the breaker will trip.



## 2. Circuit Breakers

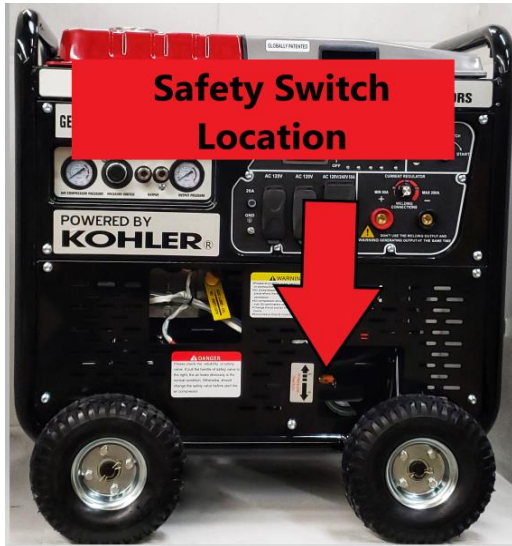
The Air Compressor breaker is tied to the MAIN BREAKER. The Main, Aux. and Compressor breakers should all be on when operating the AC feature of 3 in 1.



---

## 3. Compressor Safety Switch

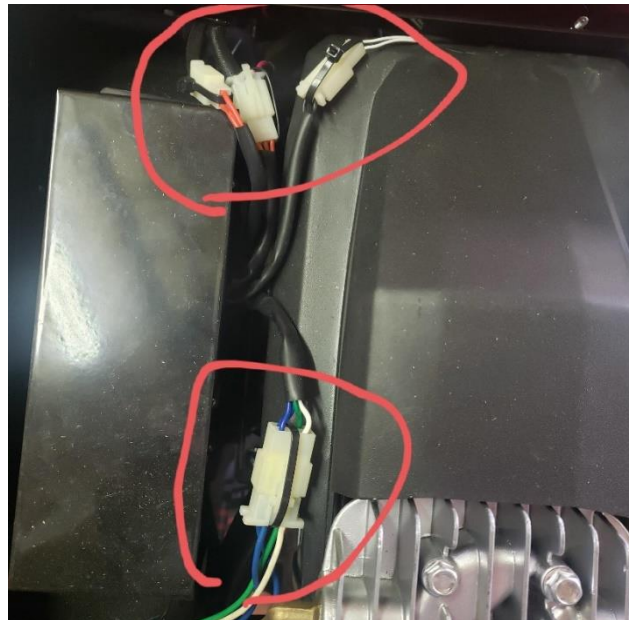
There is a shutoff switch on the compressor feature located behind mesh panel below the control panel on your machine. This switch can be triggered by many things, but if it is in off position your compressor will not function. The Lever should be in Auto(ON) Position.

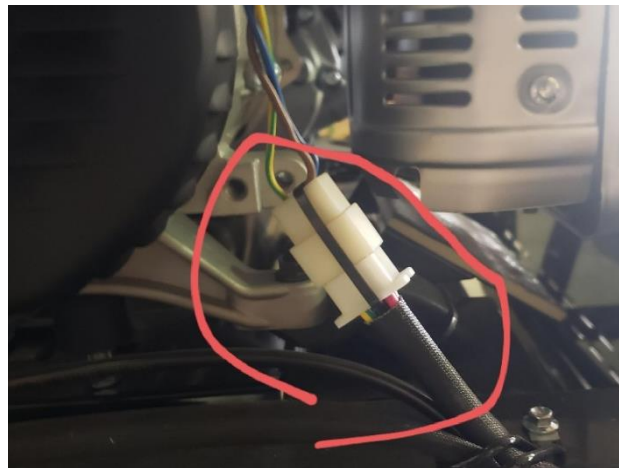
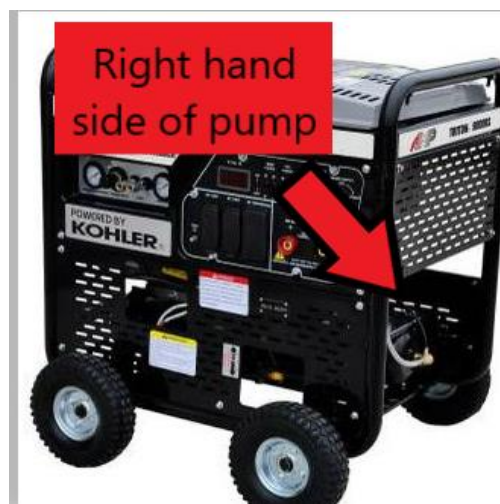
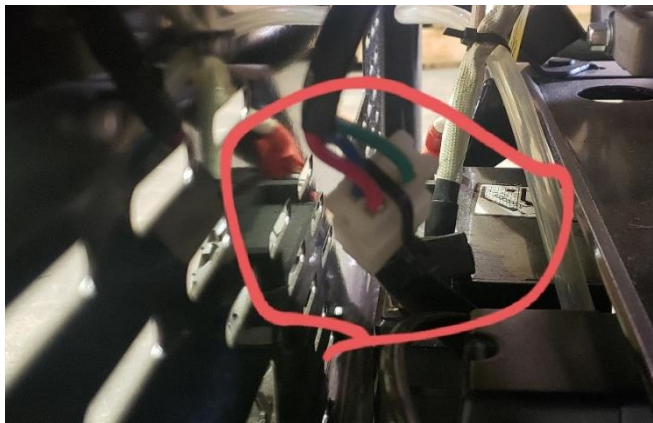


These connections can come loose in the shipping/delivery process. There will be zip ties on the white connections, but that doesn't mean the connections are good.

#### 4. Inspect Wiring Connections

The wires will be loose going into the rear of the plugs. Firmly pull on the wires and ensure there is no connections loose going into the plugs themselves.





## 5. Drain Compressor Tanks

If there is too much built up pressure in air tanks it could trigger the pump not to work. Open the tank valves and drain tanks or air, water, etc. This should be done after every use of the AC function of the 3 in 1 moving forward.



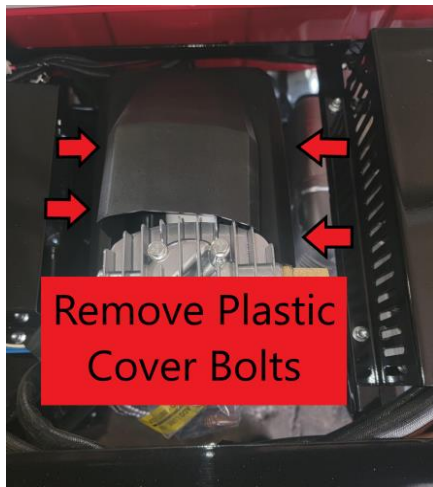
6. Check your Regulator control knob is open to the desired PSI.

If the regulator is closed it would send a signal to the pump to check down.



7. Inspect capacitor - Test for Resistance

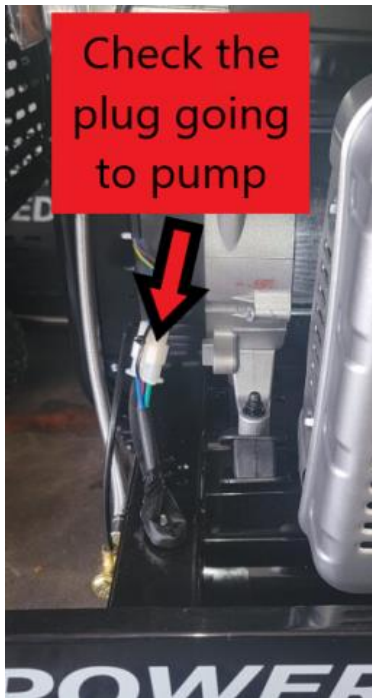
Measure that there is resistance from the capacitor on your AC pump. This will be checked in ohms. The capacitor is usually bad when the AC pump does not produce air and the breaker never trips. If no resistance then capacitor is bad and needs to be replaced.



8. Check Power going to AC Pump Connection

Use Multimeter with unit running and compressor breaker on to check for power getting to the pump.





**9. Check Hour Meter Display**

Make sure your hour meter display is lighting up. If it is not then the Carbon Brushes need to be replaced.

**10. Make sure generator function is working correctly**

If the hour meter is working, but generator is not then the issue is with AVR.

