

Solaronics Heated Blowers Troubleshooting Guide

Fan Does Not Come on – Standard Controls

1. In disconnect switch 'DS-1', check fuses and be certain the switch is closed.
2. Check fuse 'FU' in remote control operating station.
3. Be certain 'SS-1' switch/light is "ON".
4. Be certain 'SS-2' switch/light is "ON".
5. Be certain door interlock switch 'DIS' is making contact as door opens.
6. Check if 'TDR' is "ON"
7. Check overload relays 'OL' on 'MU' motor starter – push in reset button.

Fan On, But Burner Does Not Come On – Standard Controls

1. Be certain manual shutoff gas cock 'A' is open.
2. Check airflow switch 'AF-1' to be sure steady contact is made.
3. Reset flame relay 'FR' if tripped.

Note: In a car wash environment, lockout may occur due to water and/or chemicals being directly on the spark plug 'SP' and ignition wire. This can cause the spark to occur other than at the intended point where the gas comes out of the burner. Since the gas is not ignited, 'FR' goes into lockout because the UV flame scanner 'FS' does not '**see**' any flame. Dry off spark plug 'SP', ignition wire, and the general area at the burners' metal surface directly around the ignition point with a clean dry rag **BEFORE** attempting to re-light the burner.

4. Check spark plug 'SP' for cracked insulation and dirt. Replace or clean as needed.
5. Manually reset the high temperature limit 'HTL', if necessary.
6. Check burner manifold gas pressure at pressure tap.
7. Check incoming gas pressure at pressure tap ahead of heaters' gas pressure regulator. 'REG'
8. Check alignment of UV flame scanner 'FS' to be certain it 'sees' the flame, especially at the beginning of each heating season.
9. Check main gas solenoid valve 'S-2' for burned out coil.

Special Note: The Honeywell RM7890A flame relay has a system status LED indication panel above the manual reset button for assisting in troubleshooting. A status chart is also located on the inside of the top door panel.