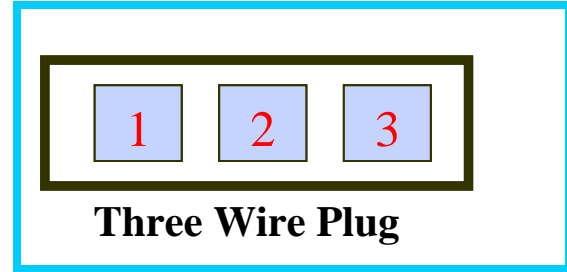


Trouble Shooting Procedure for a Failed Hall Switch

Tools required:
1 Meter capable of reading DC volts.



With the Three wire Unplugged:

With power applied to the unit, unplug the three wire and measure the pins as follows. Connect the Negative or Black lead of the meter to pin Three on the circuit board. Then connect the Positive or Red lead of the meter to pin One, it should read between 21 and 24 volts DC. Replace the circuit board if these pins are outside of these readings.

With the Three wire Plugged in:

With power applied to the unit and the Three wire plugged in place, measure the pins as follows. Connect the Negative or Black lead of the meter to pin Three on the circuit board. Then connect the Positive or Red lead of the meter to pin One. Slowly rotated the inducer draft motor, and on half of the turn the reading should be between less than 1 volt DC. On the other half of the turn the reading should be between 6.5 and 9 volts DC. If it is not less than 1 volt DC on half of the turn and not between 6.5 and 9 volts DC on the other half of the turn replace the Hall Switch. Then move the Positive or Red lead to Pin Two. It should read between 1.5 and 21 volts DC, If not replace the Hall Switch.