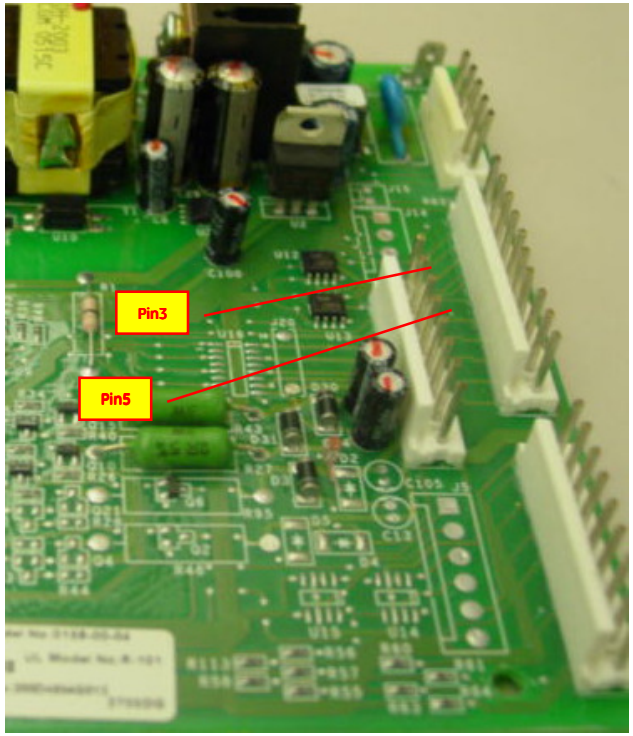
**Issues**: Not cooling, cooling intermittently, melting/refreezing Ice in the freezer, Freezer cabinet Ice-cream/food melting/re-freezing, Wide temperature variation in freezer (displays wide fluctuation)
**Models**: Plastic liner, Electronic control models only, Manufacturing dates between January 2005 – Sept 2007

**Possible cause and Diagnosis**:
A) Evaporator Fan: When inspecting the unit, if it appears that the Evaporator fan is the problem (I.e. running slow, not running at all), Then:
1. **Connect inspector** and go to diagnostic mode. Run the Evap Fan in lo-med-hi speed using inspector and check the RPM's. Do this multiple times and note the value.
2. If the values for the same speed does not match or the hi-speed RPM is smaller than lo-speed rpm or the inspector keeps displaying <Freezer RPM error>, then check the voltage to the Evap fan and also measure the capacitance value between pin3 of J2 (GND) and Pin 4 . The meter should read >800 nF or 0.8 uF. If it reads below 0.5 uF or 500 nF, Then replace the main board. Note: this issue can also be caused by a bad Evap-fan motor so you must diagnose for that too if the Evap fan is not running at all.




B) Condenser Fan: Connect inspector and go to diagnostic mode. Run the Condenser Fan using inspector. If the fan does not turn then check the voltage at the Fan and also put a meter across across pin 3 of J2 (GND) and Pin 5 for C25 (should read >900 nF or 1 uF. If it reads below 0.5 uF or 500 nF, then replace main-board). If all of these are ok, then diagnose the fan for possible failure

Note:
AFTER REPLACING THE BOARDS, IT IS RECOMMENDED TO FORCE A DEFROST TO ELIMINATE ANY FROST BUILDUP (specially in the Evap fan cover/orifice) SO THAT ANY ICE ACCUMULATION WONT DAMAGE THE EVAP FAN. ALSO, CHECK RPM OF THE EVAP FAN AFTER REPLACEMENT TO ENSURE FAN MOTOR HAS NOT BEEN DAMAGED or working properly after board replacement.