

## Resolving Solenoid Issues:

**\*\* WARNING \*\*** You will be measuring 110 Volts of AC power. Only a qualified technician should continue following these steps.

If you have an error 12 on power up but the SOL sensor tests fine and all wiring has been confirmed to the SOL sensor then follow these steps:

**Step 1:** Using a volt meter set to DC voltages put the red probe on Pin 3 (+) and the black probe on Pin 4 (-). The wires have labels stating their pin connections. Now start a game. Did the meter read +12 volts? If so, switch your volt meter to AC voltage. Move the black probe to Pin 1 of the relay. Move the red probe to pin 2 of the relay. Is there 110v of AC voltage? Start a game. Did the voltage drop to hardly nothing? If not, go to step 4.

**Step 2:** If there was no +12 of DC voltage present across Pins 3 and 4 of the relay, put the red probe on pin 1 of J18 on the main board assembly and the black probe on pin 2 of J18 on the main board assembly. Is there +12 volts now? If not, replace the main board assembly. If so, carefully check the wiring for damage or connection issues.

**Step 3:** If no 110V of AC was present at pins 1 and 2 then check the fuse at F4. If open then replace with same type and re-test.

**Step 4:** If the 110 of AC voltage didn't drop to hardly nothing, replace the relay.

