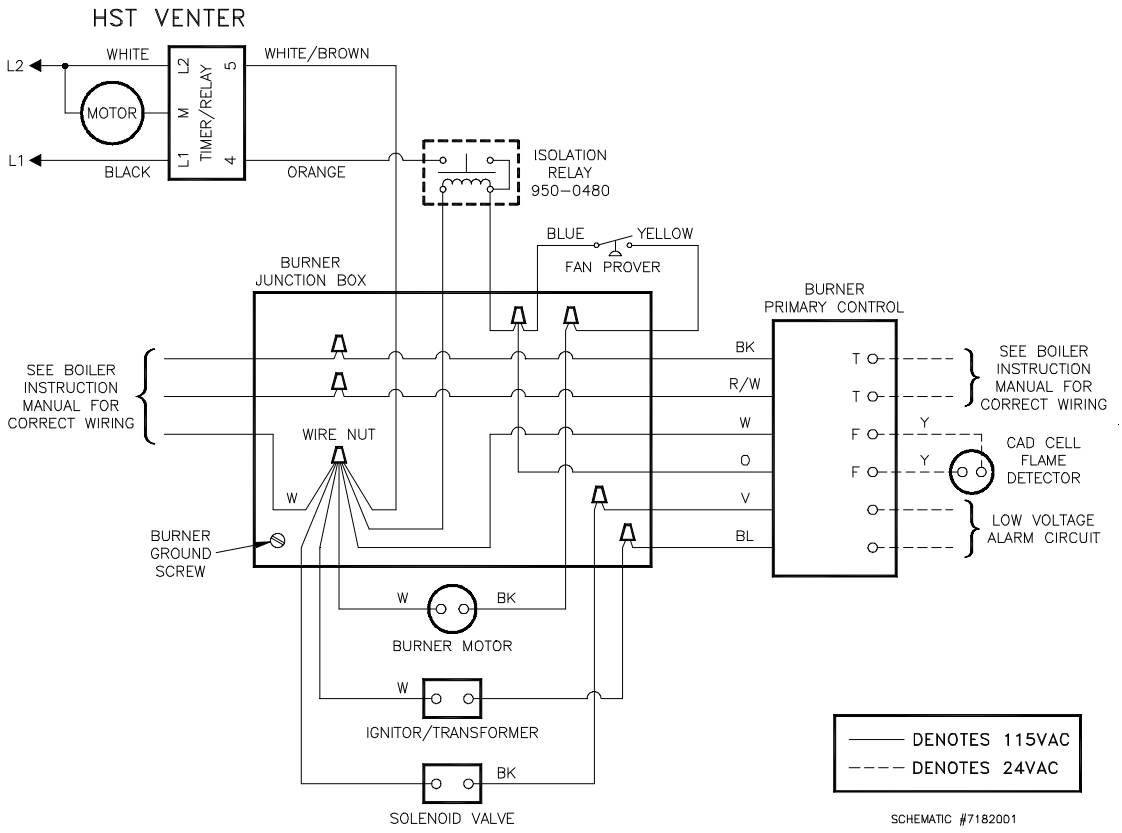
HST CONNECTED TO A CARLIN PRIMARY CONTROL



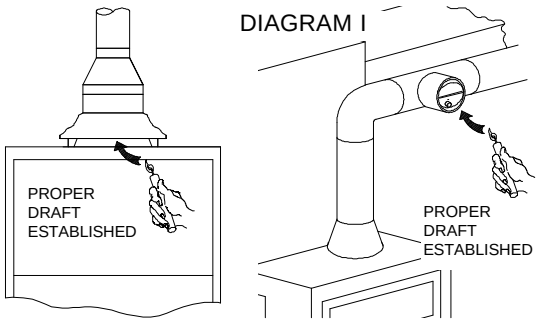
SAFETY INTERLOCK / COMBUSTION AIR TEST

⚠ WARNING

The Power Venter Fan Proving Switch is designed to disable the appliance gas valve or burner motor upon Power Venter failure only! It is not designed and cannot replace, regular vent system inspection, appliance servicing and combustion testing.

1. Close all doors and windows of the building. If the appliance is installed in a utility room or closet, close the entrance door to this room. Close fireplace dampers.
2. Turn on clothes dryer and all exhaust fans such as range hoods, bathroom exhausts and whole house fans to maximum speeds. Do not operate a fan used strictly for Summer exhausting.
3. Following the appliance manufacturer's instructions, place the appliance in operation, set thermostat for continuous operation.

DIAGRAM I



GAS

After allowing appliances to operate for five minutes, test for spillage at the "draft hood relief opening" (draft diverter or draft control). Approved method follows (ANSI Z2331, section 8.6): "CHECKING THE DRAFT. Vent connected gas utilization equipment shall be operated for several minutes and checked to see that the combustion products are going up the chimney or gas vent properly, by passing a lighted match or taper around the edge of the relief opening of the draft hood. If not, the combustion products will tend to extinguish this flame. If the combustion products are escaping from the relief opening of the draft hood, the equipment shall not operate until proper adjustments or repairs are made to provide adequate draft through the chimney or gas vent.", (See Diagram I). If the draw of the flame or smoke appears to be excessive, make necessary adjustments to barometric draft control (if needed) or follow the "Power Venter Air Flow Damper Adjustment" procedure outlined on page 15.

OIL

Make necessary adjustments to the primary air intake and barometric draft control to comply with the over-fire draft requirements of the appliance. In most cases, the over-fire draft should be in a range of -.02" to -.04" W.C. If adjustments to the primary air intake and barometric draft control do not provide the required over-fire draft, the Power Venter draft adjustment must be repositioned accordingly. Measure over-fire draft after repositioning Power Venter draft adjustment, (See Diagram J, Page 15).

4. Next, turn on all other fuel-burning appliances within the same room so they will operate at their full input. Repeat Step 3 above, checking the draft on each appliance.