

Suburban 12V DSI Control Field Tester 641510 Instructions

For All Controls with Blower Controlled Directly from Thermostat:

1. Make sure all switches on the tester are in the DOWN or OFF position.
2. Plug power cord into properly grounded 120VAC outlet.
3. Hook control to be tested onto tester wiring harness and HV wire.
4. Turn on SAIL switch.
5. Turn on POWER switch; PWR light should come on.
6. Turn on STAT switch; after a delay, the control should begin to SPARK and GV light should come on.
7. During SPARK sequence, turn on the FLAME switch.
8. Control should stop sparking and the GV light should remain on. Board PASSES test if GV light stays on after FLAME switch is activated.
9. Board FAILS if GV turns off after FLAME switch is activated or if control fails to SPARK.
10. Turn off all switches and remove control from tester wiring harness.

Note: LO lamp may turn on at various times during test, depending on model of board being tested. This does **not** indicate a FAILURE.

For All Controls with Blower Output on Control Board:

1. Make sure all switches on the tester are in the DOWN or OFF position.
2. Plug power cord into properly grounded 120VAC outlet.
3. Hook control to be tested onto tester wiring harness and HV wire.
4. Turn on POWER switch; PWR light should come on.
5. Turn on STAT switch; FAN light should come on.
6. Turn on SAIL switch; after delay control should begin to SPARK.
7. During SPARK sequence, turn on the FLAME switch.
8. Control should stop sparking and the GV light should remain on. Board PASSES test if GV light stays on after FLAME switch is activated.
9. Board FAILS if FAN does not come on after STAT switch is activated or if control fails to SPARK after SAIL switch is activated or if GV does not remain on after FLAME switch is activated.
10. Turn off all switches and remove control from tester wiring harness.

Note: LO lamp may turn on at various times during test, depending on model of board being tested. This does **not** indicate a FAILURE.