



SUBURBAN MANUFACTURING COMPANY
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WIRING FOR FAN CONTROL MODULE BOARD KIT NO. 520839

NOTE: The purpose of this kit is to enable a repair agency to rewire the NT Series RV furnace in order to use the module board with fan control relay.

It is applicable only to the following models: NT-24SP; NT-30SP; NT-34SP; NT-40

NOTE: Fan control module board supplied separately.

INSTALLATION INSTRUCTIONS

1. Shut off electrical supply and disconnect wiring at furnace.
2. Remove vent cap assembly.
3. Shut off gas supply and disconnect at furnace.
4. Remove the cabinet front. Remove the tie down screw (lower right) and pull furnace from cabinet.
5. Disconnect the following wires from the furnace and discard:
 - A. Remove module board connector and its wire connections at sail switch, valve and ground terminal.
 - B. Remove power supply plug (male) and its wire connections at time delay relay, ground terminal, and valve switch.
 - C. Disconnect blue and brown wire at limit.
 - D. Disconnect blue wire at valve switch.
6. Disconnect the red motor lead from the time delay relay. Do not discard this wire.
7. Remove time delay relay.
8. Using the 15" red wire supplied with the kit, connect one end to the red motor lead and the other end to the blower terminal (BLO) on module board.
9. Using the wire assemblies provided, re-wire furnace following wiring diagram 340512.

NOTE: Dress up wires by securing with wire ties to eliminate any wires from being pinched or cut when placing unit back into cabinet.
10. Connect to power and gas and verify proper furnace operation.
11. Adhere new wiring diagram #340512 over the top of the existing wiring diagram on the furnace.
12. Reinstall furnace into cabinet and secure.
13. Reconnect gas and electrical power.
14. Cycle furnace through thermostat for one complete cycle, to assure proper operation.
15. Check for gas leaks.
16. Reconnect vent assembly.