

INSTRUCTIONS



Carrier

A United Technologies Company

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99TA525046 (for RCD use only)

Instruction Sheet Number: **99TA525046**

Description: VARIABLE SPEED HP INVERTER FUSE BOARD KIT

Author: R C Engineering


Date: December 5, 2016


Part Number: 342830-751, 342830-752

MODELS AFFECTED: 25VNA0, 280ANV


SAFETY CONSIDERATIONS

Improper installation, adjustment, alteration, service, maintenance, or use can cause explosion, fire, electrical shock, or other conditions which may cause death, personal injury, or property damage. Consult a qualified installer, service agency, or your distributor or branch for information or assistance. The qualified installer or agency must use factory-authorized kits or accessories when modifying this product. Refer to the individual instructions packaged with the kits or accessories when installing. Follow all safety codes. Wear safety glasses, protective clothing, and work gloves. Use quenching cloth for brazing operations. Have fire extinguisher available. Read these instructions thoroughly and follow all warnings or cautions included in literature and attached to the unit. Consult local building codes and current editions of the National Electrical Code (NEC) NFPA 70. In Canada, refer to current editions of the Canadian electrical code

CSA 22.1. Recognize safety information. This is the safety-alert symbol . When you see this symbol on the unit and in instructions or manuals, be alert to the potential for personal injury. Understand these signal words; DANGER, WARNING, and CAUTION. These words are used with the safety-alert symbol. DANGER identifies the most serious hazards which **will** result in severe personal injury or death. WARNING signifies hazards which **could** result in personal injury or death. CAUTION is used to identify unsafe practices which **would** result in minor personal injury or product and property damage. NOTE is used to highlight suggestions which **will** result in enhanced installation, reliability, or operation.

**WARNING**

ELECTRICAL SHOCK HAZARD
Failure to follow this warning could result in personal injury or death.
Before installing, modifying, or servicing system, main electrical disconnect switch must be in the OFF position. There may be more than 1 disconnect switch. Lock out and tag switch with a suitable warning label.

**WARNING**

ELECTRICAL HAZARD - HIGH VOLTAGE!
Failure to follow this warning could result in personal injury or death.
Electrical components may hold charge. DO NOT remove control box cover for 2 minutes after power has been removed from unit.
PRIOR TO TOUCHING ELECTRICAL COMPONENTS:
Verify zero (0)voltage at inverter connections shown on inverter cover.

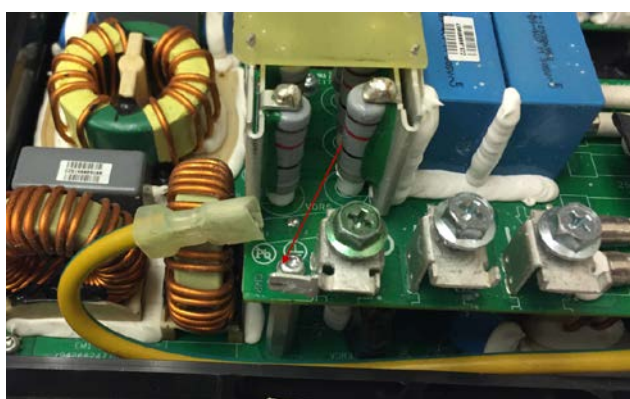
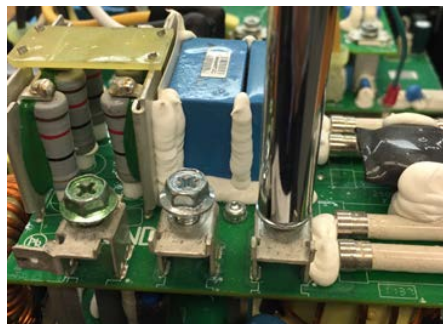
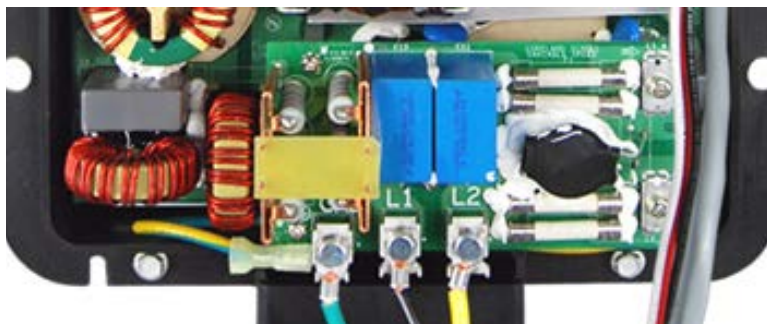
IMPORTANT SAFETY NOTE:

Lock out and tag out the unit before proceeding with the unit rework.

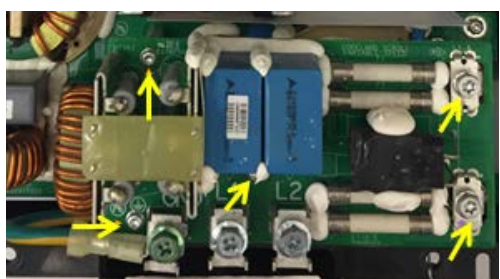
1. Remove (6) 5/16" screws from the electrical control panel to gain access to the electrical compartment of the unit.
2. Remove the inverter's black plastic protective cover by spreading the two sides out to release tabs on both sides of the cover.



3. Use a 5/16" nut driver to disconnect the (3) power wires going into the inverter (from the contactor). Remove the ground wire from the ground terminal of the fuse board.



4. There are (5) screws attaching the fuse board on the inverter (2) – T20 and (3) – T10 Torx. After removing these screws the fuse board can be removed and replaced.



5. Clear any debris (dirt, dust, spider webs, etc...) from the inverter board standoffs before placing the new fuse board back on the inverter.
6. Reverse the sequence to put the new inverter fuse board back on the inverter and the unit back together for operation.

IMPORTANT: Make sure that all of the screws were replaced and tighten.
All (5) screws are important for the operation of the system.
Torque the (2) T20 Torx screws to 10 in lb.