

INSTRUCTIONS



Carrier

A United Technologies Company

Page 1 of 4



99TA522001 (for RCD use only)

Instruction Sheet Number: **99TA522001**

Description: SPM BOARD KIT

Author: Engineering

Date: September 9, 2008

Part Number: 30RB660035

SAFETY CONSIDERATIONS

Installing, starting up, and servicing air-conditioning equipment can be hazardous due to system pressures, electrical components, and equipment location (roofs, elevated structures, etc.) Only trained, qualified installers and service technicians should install, start-up, and service this equipment.

▲ WARNING

Before performing service or maintenance operations on unit, turn off main power switch to unit and install lockout tag. Ensure electrical service to rooftop unit agrees with voltage and amperage listed on the unit rating plate. Electrical shock could cause personal injury.

When working on equipment, observe precautions on the literature and on tags, sticker, and labels attached to the equipment.

- Follow all safety codes
- Wear safety glasses and work gloves
- Use care in handling, rigging and setting bulky equipment

Introduction

To reduce the possibility of oxidation from occurring on the connectors, it is recommended to light coat the female socket of the connectors listed below.

30RB660035 kit includes:

SPM BOARD	32GB500362-E	(1)
LUBRICANT W/DISPENSE TIP	30RB680044	(1)
INSTRUCTIONS	99TA522001	(1)

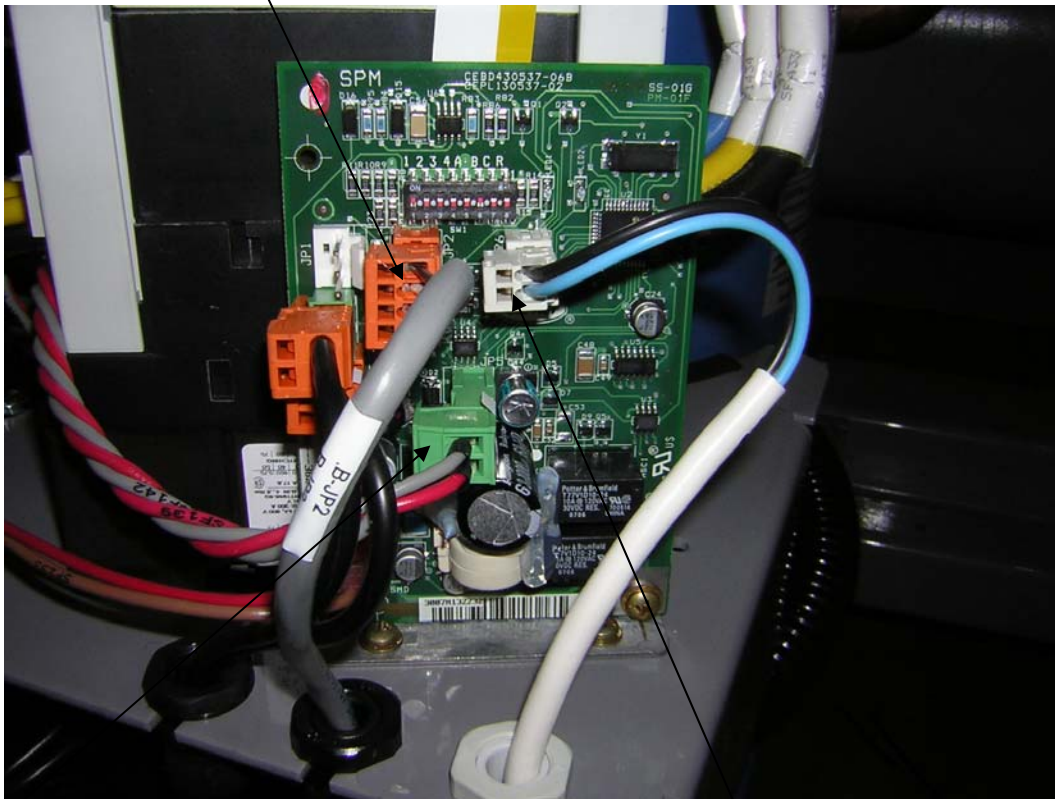
Application Points for lubricant

- 1) High Pressure Switch Assy, 00PPG000008203A
Lube Electrical Connector, JP3 (2 sockets)

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99TA522001.doc

- 2) Scroll Protection Module (SPM) 32GB-500---362EE
Lube JP5 Connector on Circuit Board (2 sockets)
- 3) Harness from motor thermistor to JP4
Lube both ends (2 sockets each end, 4 total)
- 4) Communication Jumper Harness, JP1 to JP2 (adjacent compressor) SF703005
Lube both ends (3 sockets one end, 4 sockets other end, 7 total)
- 5) Communication Harness from MBB to SPM-JP2 (1 comp/circuit)
Lube JP2 connector (SF703319 is a sample p/n, others are affected)
(This harness is supplied with control panel, not compressor assy)
- 6) Crankcase Heater, 00PPG00010400A
Lube Electrical Connector, JP6 (2 sockets)

**JP2, Comm Cable, add
lube to harness**



**JP5, Contactor, add
lube to board**

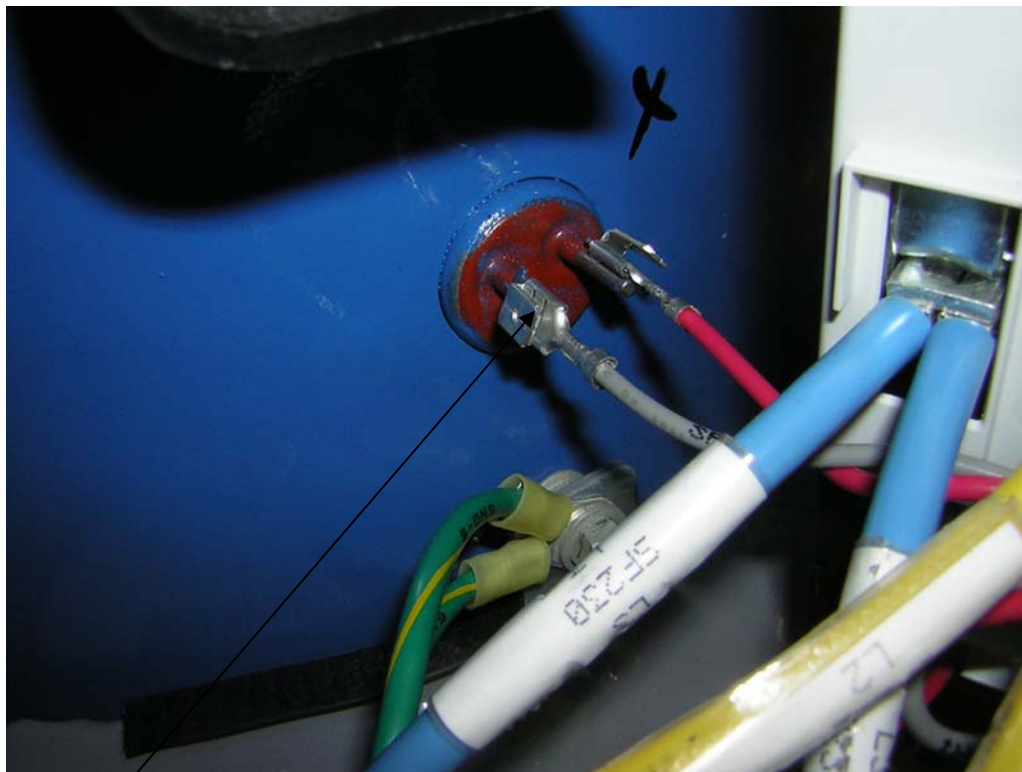
**JP6, Crankcase Heater,
add lube to harness**

JP1, Comm, add lube to harness



JP4, Motor Thermistor, add lube to harness.

JP3, HPS, add lube to harness



Compressor Thermistor, add lube
to harness