INSTALLER'S GUIDE

KIT15608-IG-1

ALL phases of this installation must comply with NATIONAL, STATE AND LOCAL CODES

KIT #15608

For 2/4TEC3F60B

IMPORTANT— This Document is customer property and is to remain with this unit. Please return to service information pack upon completion of work.

⚠ WARNING: HAZARDOUS VOLTAGE- DISCONNECT POWER and DISCHARGE CAPACITORS BEFORE SERVICING

⚠ WARNING

This information is for use by individuals having adequate backgrounds of electrical and mechanical experience. Any attempt to repair a central air conditioning product may result in personal injury and/or property damage. The manufacturer or seller cannot be responsible for the interpretation of this information, nor can it assume any liability in connection with its use.

⚠ WARNING

Hazardous Voltage!

Disconnect all electric power, including remote disconnects before servicing. Follow proper lockout/tagout procedures to ensure the power can not be inadvertently energized. Failure to disconnect power before servicing could result in death or serious injury.

GENERAL

This document provides installation and checkout procedures for Kit #15608. This relay kit is to be applied to any 2/4TEC3F60B air handler that has a conventional indoor blower relay. Under certain conditions it is possible for the original factory blower relay to create a voltage spike to the control circuit of the indoor blower motor. If the indoor blower motor is on speed tap #4 this voltage spike can damage the internal blower motor control circuit causing the blower motor not to operate. This Kit #15608 will prevent voltage spikes from being applied to the indoor blower motor control circuit.

INSTALLATION

1. Remove the power from the air handling unit.
2. Remove the existing blower relay. Note the location and orientation. Mark all of the wiring so it can be reconnected to the new relay in the kit. Save the mounting screws to be reused.
3. Mount the relay from the kit in the same location and orientation as the previously removed relay. Use the mounting screws removed in step 2.
4. Reconnect the unit wiring to the new relay by reconnecting to the same terminal designations as the original relay.

   There is a red jumper wire applied by the factory between terminal A and T; leave this jumper in place and connect unit wiring to the piggyback connection on this wire.

   Terminals 1 (com) and 3 (NO) will not be used in this application.

Since the manufacturer has a policy of continuous product and product data improvement, it reserves the right to change design and specification without notice.

OPERATION

When the thermostat calls for indoor blower operation, an electronic switch in the electronic board pulls in and powers the relay coil.

When the call ends the indoor blower motor should stop without any time delay.

If speed tap #5 is chosen there will be a time delay when the thermostat call ends; this is a function of the blower motor internal circuitry.

NOTE: *When power is initially applied during installation or after power interruption, the relay will pull in for a maximum of 0.5 seconds and then drop out.*

CHECKOUT

When power is initially applied check to make sure the relay pulls in for not more that 0.5 seconds and drops out. Then operate the relay and controlled equipment to make sure that the relay pulls in when the A terminal is energized with 24 VAC and that controlled equipment operates as intended. Relay pulls in after a short on delay of 2 seconds (±0.7). When the A terminal is deenergized (24 VAC removed), the indoor air blower should discontinue operation.

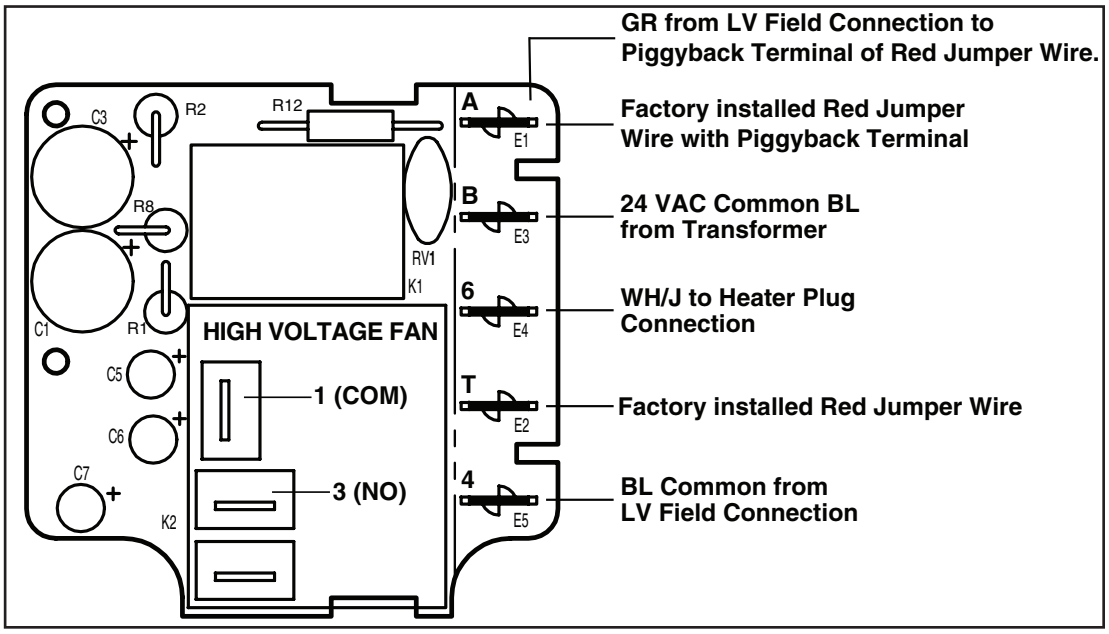

Figure 1. Terminal Designations

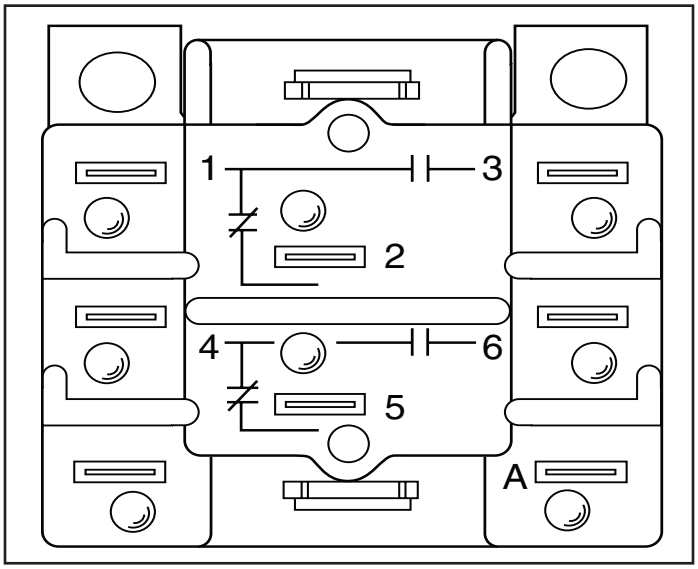

Figure 2. Original Relay

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