

# BULLETIN



## CARLYLE COMPRESSOR DIVISION

Visit our web site at [www.carlylecompressor.com](http://www.carlylecompressor.com)  
Phone: 1-800-GO-CARLYLE Fax: 1-800-532-5038

Carlyle Compressor Company  
Carrier Parkway, TR-4  
P.O. Box 4808  
Syracuse, NY 13221

☒ **PRODUCT**

☐ **GENERAL**

☐ **SERVICE & PARTS**

Date: 13 February, 2003

Number: 03T-1

Issued By: P. Tollar

### Subject:

**Update 06E & 06T Terminal Wiring Instructions**

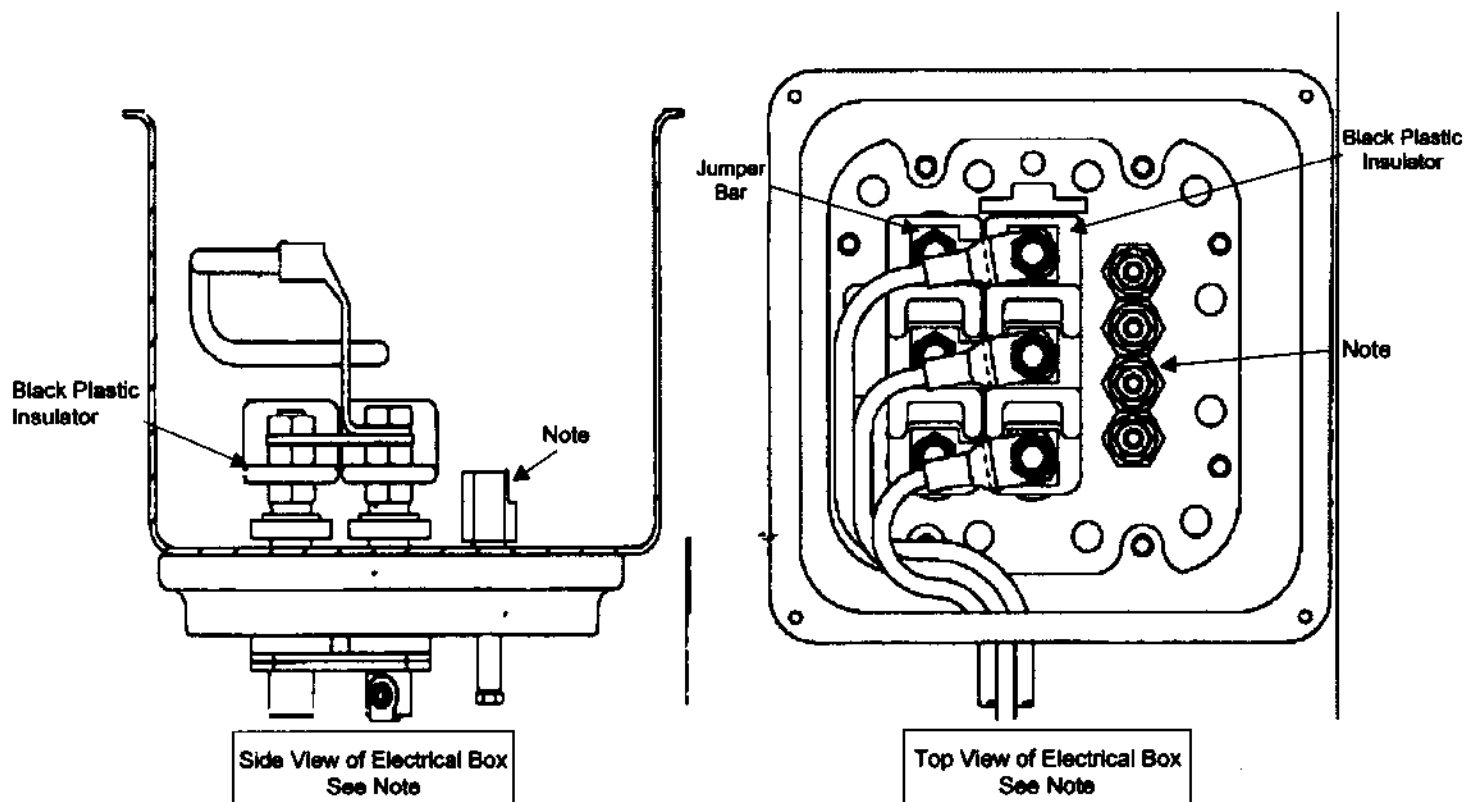
**Product Name**      **06E & 06T**

### DESCRIPTION

This bulletin is updating the terminal wiring instructions to all 06E, 06CC (E-body) semi-hermetic and 06T screw compressors. This bulletin is meant to clarify OEM bulletins #113 (dated 4/4/88) and 98T-1 (dated 3/25/98) that included our prior wiring instructions. We have also increased the recommended torque of the jam #3 used to tighten the field power wires.

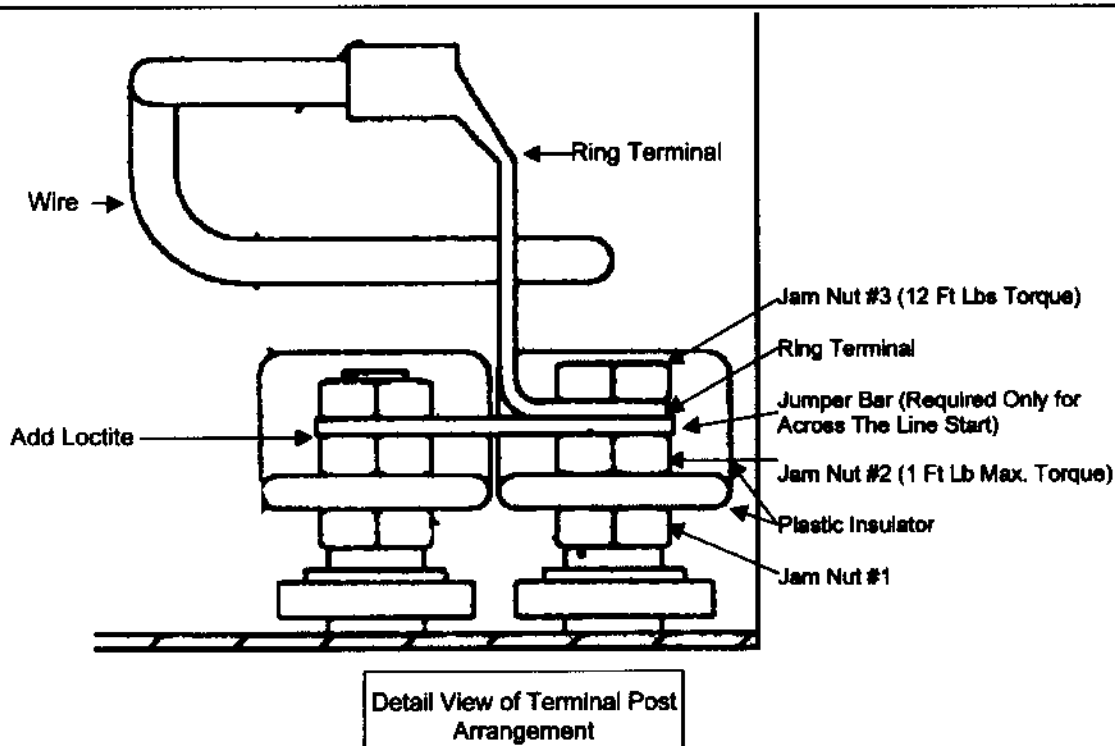
The purpose of this change is to ensure the power wiring is secure in the field. Our 98T-1 Bulletin recommended up to 12 ft-lbs torque to tighten the power wiring (jam nut #3). We are now increasing this torque up to **18 ft-lbs max** and dropping our requirement of adding loctite to the #3 jam nut. This increase in allowable torque is based on the following limitations:

- Allowed on any terminals where a jumper bar is used over jam nut #2 (See figures 1 thru 7 attached). This allows the increased torque to any across-the-line wiring arrangements shown in attached figures 3 & 4 on all current and older compressors.
- For compressors being wired per figures 5, 6, & 7 the #2 jam nut must be restrained when the higher torque is applied. Carlyle recommends using serviceable loctite to restrain this #2 jam nut. To assist in this application the #2 jam nut at terminals T1, T2, T3 & T7, T8, T9 will be loctited at Carlyle factory on all 06E, 06CC (E-body) & 06T compressors beginning with serial number (06E starting 0203J00322, for 06T starting 0403J09339). Compressors built after this serial number will be able to be applied with the higher 18 ft-lbs torque.
- Compressors built before this serial number should have loctite applied on the terminal bolts in the area where the #2 jam nut is installed for wiring arrangements shown in figures 5, 6 & 7. The following procedure is recommended:
  - Install plastic insulator on top of #1 jam nut if not already there.
  - Install #2 jam nut on top of plastic insulator and torque to 3 to 4 ft-lbs (also - if not already in place).
  - Put a small amount of serviceable Loctite (Grade AA Green #089 can be used) on top of #2 jam nut at terminal bolt thread surface. Loctite recommends letting the material set for 72 hours before disturbing.
- Terminals T4, T5 & T6 will always have a jumper bar applied with them. Therefore higher torque can be applied without adding any loctite. These terminals may also have the plastic isolator removed to add the 3-hole jumper as shown in Figures 4 & 7. Loctite will not be applied to these terminals at Carlyle for this reason nor is it recommended in the field.



**FIGURE 1: 06E, 06CC & 06T TERMINAL BOX & WIRING**

NOTE: 06T terminal arrangement shown. The 06E and 06CC (50-99 cfm) terminal box may or may not have three electrical posts in place of the 4 thermistor pins shown above.



**FIGURE 2: 06E, 06CC & 06T TERMINAL WIRING**