Carlyle

Technical Bulletin
OEM 98T-1

April 6, 1998

Compressor Wiring Procedures For 06E & 06CC (50-99 CFM) Reciprocating and 06T Screw Compressors

The following procedures will prevent damage to the electrical terminals and the possibility of personal injury.

The black plastic insulator block (P/N 06EA500672) is factory installed using jam nuts (P/N AT14GA241). The insulator block is held in place on top of jam nut #1 (see side view drawing) by jam nut #2. Jam nut #2 should be checked prior to any wiring to assure that it is "snug". The maximum torque on jam nut #2 is 1ft-lb. Applying too much torque to the jam nut #2 will crack or break the insulator block.

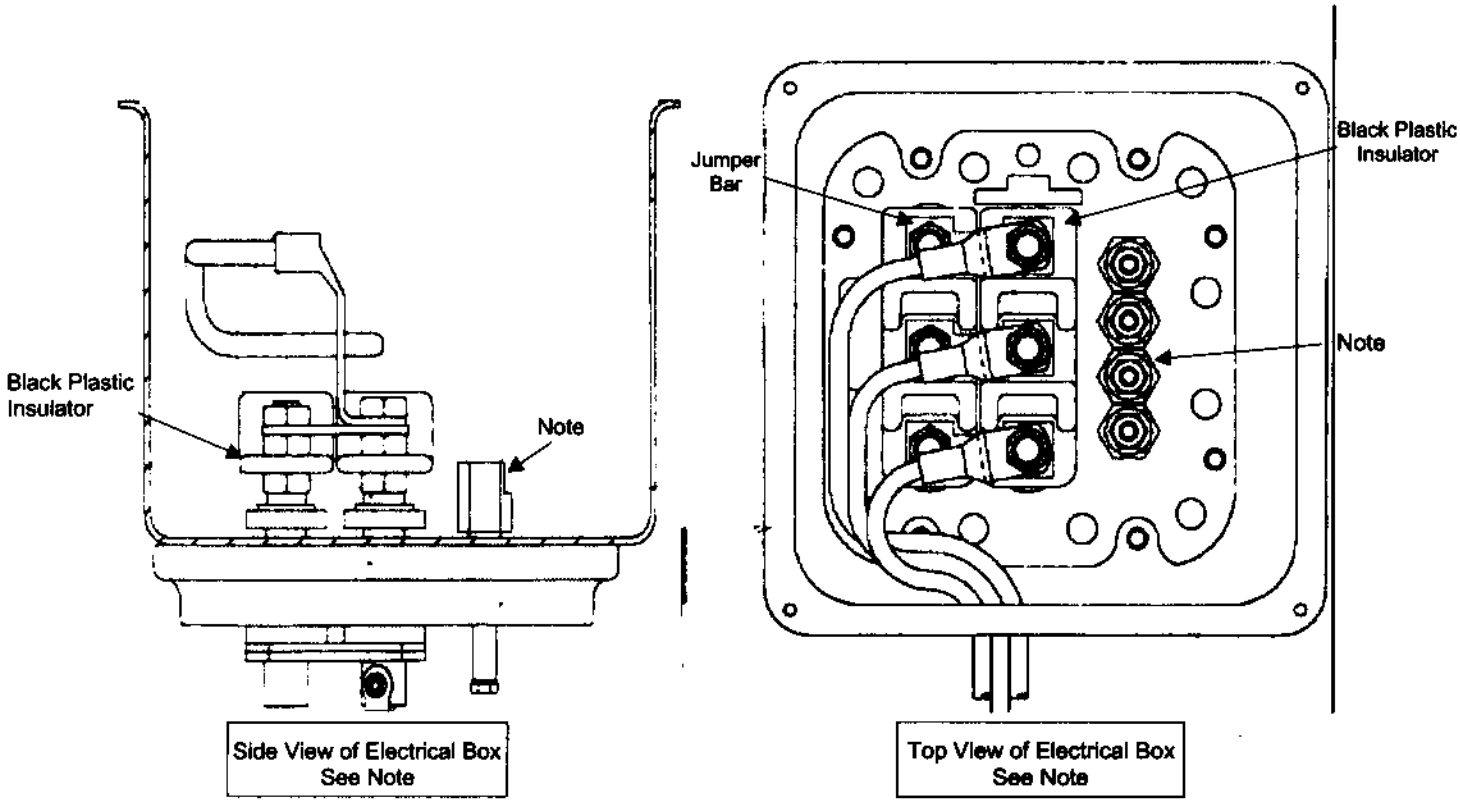
All electrical wiring is connected between jam nuts #2 and #3. Ring terminals are recommended for ease in wiring instead of using a plain wire hookup, especially if heavy gauge wiring is used. Jumper bars (P/N 06EA500551) are only required for across-the-line start configuration and, when used, they are also installed between jam nuts #2 and #3. The recommended torque for jam nut #3 is 12 ft-lbs. Once all the jam nuts are properly torqued on the terminal plate, a small amount of serviceable Loctite should be applied to prevent the jam nuts from loosening. All the accompanying drawings are shown using ring terminals and jumper bars.

Steven Setless
Marketing Manager

We Need Your Help

Please provide copies of this bulletin to your electrical engineering group, electrical manufacturing department and service department.

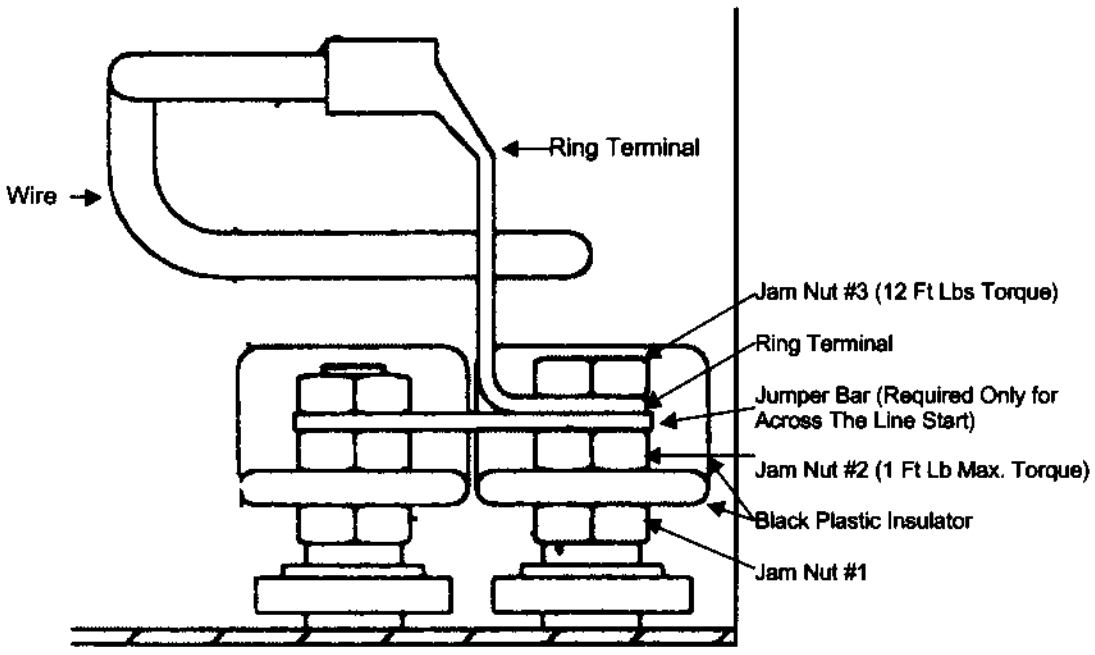
Carlyle Compressor Division P.O.Box 4803 Syracuse, NY 13221
Phone: 315-432-6257 Fax: 315-432-3274



Side View of Electrical Box See Note

Top View of Electrical Box See Note

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.



Detail View of Terminal Post Arrangement