

SERVICE TIPS

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PLEASE CIRCULATE AMONG ALL PERSONNEL

DATE: April 6, 2001

ST-022-01

**TO: All York, Fraser Johnson Distributors, All Coleman
Distributors, All Luxaire Distributors and All
Field Service Supervisors**

SUBJECT: Kickstart® Brand, 2 Wire, Compressor Hard Start Kits

There are presently available from the current price pages six compressor hard start accessory kits for current single phased product. These are three wire kits, identified by model numbers 2SA0670xxxx. Each kit is designed to be used with a unique model compressor, and cannot be universally substituted.

Over the past 15 years, we have used an estimated 29 unique hard start kits for the various models of compressors used in single phase product. Once a product is no longer in production, it becomes quite difficult for Source 1 to continue to supply the specific hard start kits for that model compressor.

What generally happens is technicians in the field go to a local supply house and buy a non-approved universal PTCR device with a capacitor, or a solid state relay with a capacitor, or an electric timer with relays and capacitors, and the compressor fails shortly thereafter.

With the development of the Twin Single Compressor, which shifts operating direction by switching the electrical compressor run and windings, Bristol & York have done extensive compressor testing with a two wire, Kickstart®, start device. Although special Kickstart® start components are used in conjunction with the Twin Single Compressors, it was learned that two standard Kickstart® devices can be used as universal substitutes across our present and past line of standard residential single phase product. Installation is easy, with power de-energized to the unit; simply place the two wires of the start kit with one on each terminal of the compressor run capacitor terminals.

Bristol Compressors has generated an international Marketing Bulletin dated 01/08/98, stating that the standard Kickstart® hard start kits have successfully passed their testing procedures and received approval for use by them.

We have contacted Copeland Compressors, and have received e-mail response, that although they cannot officially approve the Kickstart® hard start kits without an extensive test program on virtually each compressor model, they do not feel that the addition of the Kickstart® hard start kits will contribute to compressor failure.

The following two Kickstart® hard start kits will cover the complete line of past and current single phase product (except Twin Single):

Source 1 Part Number - 024-31994-000

Used on compressors in 1 through 3 ton heat pump & a/c product.

Source 1 Part Number - 024-31995-000

Used on compressors in 3.5 through 5 ton heat pump & a/c product.

Source 1 Part Numbers for TS Compressors Only

024-31435-000 For 2 & 2.5 ton TS compressors only

024-31436-000 For 3 ton TS compressors only

024-31437-000 For 4 & 5 ton TS compressors only

Your stocking of the above two compressor hard kits should reduce your start kit inventory and significantly simplify the installation on older product.

We will continue to offer, at least for the near term, a choice of the three wire hard start kits in the equipment price pages, or the two wire Kickstart® hard start kits which are available from Source 1.

Regards,

Bob Napp

Bob Napp
Director, UPG Field Service

Dan Arnold

Dan Arnold
Director, UPG Residential