



# HOSHIZAKI AMERICA, INC.

## SERVICE BULLETIN

**SB97-0009R**

October 21, 1997

Page 1 of 2

### **Subject: Optional Replacement Compressor For KM-601/631/632**

An optional compressor has been chosen for replacing an earlier model Toshiba compressor. This compressor was used in older KM-601/631/632 model cubers which were produced prior to January 1989.

The original Toshiba compressor part # 2U0043-01 or 437152-01 will sub to a Copeland REK3-0125-PFV part # 434209-01 when inventory quantities run out.

Replacing the Toshiba compressor with the Copeland will require some standard field modification of the refrigerant piping. On KM-601& 631 models, one item that must be changed is the oil cooler loop. The Copeland compressor does not require an oil cooler. This loop is not used on KM-632 models or KM-631 remotes.

On KM-601& 631 self contained air cooled models "D or DU", the oil cooler lines which route to the compressor midway through the condenser must be connected together. Cut these lines 3 to 4 inches from the condenser and reconnect them using two 90 ell's and a short piece of pipe. These lines **cannot** be capped off.

On KM-601& 631 water cooled models "DW or DWU", the oil cooler lines must be cut within 2 inches of the condenser and capped or pinched and soldered.

Use proper refrigeration practices to clean up and evacuate the sealed refrigeration system. Replace the original drier with the new liquid line drier shipped with the compressor. Leak check the sealed system and re-charge the unit with the correct refrigerant per the nameplate rating.

# SB97-0009R

October 21, 1997

Page 2 of 2

Follow the unit wiring diagram provided below to re-connect the compressor wiring. You will find that this is standard wiring for the compressor and start components. The new start components shipped with the Copeland compressor must be used! As always, double check the wiring connections before re-starting the unit. Start components:

Start capacitor # 3A0076-02

Run capacitor 439943-02

Start relay 434172-01

