INSTALLATION INSTRUCTIONS FOR SOLENOID / DRIER REPLACEMENT KIT
(11H31; 612871-01) USED WITH LGH/LCH092-152U UNITS

Shipping and Packing List

Package 1 of 1 contains:
1- Solenoid / drier assembly

WARNING
Improper installation, adjustment, alteration, service or maintenance can cause property damage, personal injury or loss of life. Installation and service must be performed by a qualified installer, service agency or the gas supplier.

CAUTION
Danger of sharp metallic edges. Can cause injury. Take care when servicing unit to avoid accidental contact with sharp edges.

Application

The solenoid / drier replacement kit is used on LGH/LCH092, 094, 120, 122, 152U ultra-high efficiency units. This is a replacement for the full load solenoid valve, part load solenoid valve, and filter/drier.

Solenoid / Drier Removal

1- Disconnect electrical power to unit. Wait five minutes before continuing service procedures to avoid electrical shock. This will allow internal capacitors time to fully discharge.

2- Open blower access panel. See figure 1.

3- Remove clamps securing assembly to brackets. See figure 2.

IMPORTANT - Be extremely careful when determining if refrigerant is salvageable. In cases where salvaging is questionable, the risk of future compressor failure may be lessened if contaminated refrigerant is removed from service.

Several kits are available to check acid content of refrigerant to determine severity of burnout. Recover all refrigerant from BOTH the suction and discharge line and do not reuse.

CAUTION - Contaminated refrigerant and oil could contain heavy concentrations of hydrochloric and hydrofluoric acid. Avoid contact with skin or clothing. Do not breath any of the gases being discharged.
FIGURE 2

SOLENOID / DRIER ASSEMBLY IN UNIT

L42  
FULL LOAD  
SOLENOID

LINE SECURED  
TO BRACKET

L41  
PART LOAD  
SOLENOID

FULL  
LOAD TXV

DRIER

PART LOAD  
TXV

LIQUID LINE FROM  
CONDENSER

DISCHARGE LINE  
TO CONDENSER

LINE SECURED  
TO BRACKET

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4- Mark and disconnect wiring to L42 full load and L41 part load solenoids shown in figure 3.
5- Unswear plumbing in three locations shown in figure 4. Remove existing solenoid / drier assembly.

**Solenoid / Drier Installation**

1- Fit replacement solenoid / drier assembly into unit and place wet rags on both solenoids and the filter / drier. Braze assembly in three places assembly was previously unswatered. See figure 4.
2- Reconnect wiring to solenoids which was previously disconnected. Secure excess wiring away from hot plumbing lines.

**Leak Check**

Pressurize system to 150 psig using dry nitrogen. Check lines and connections for leaks.

**IMPORTANT** - This unit is equipped with solenoid valves which do not allow refrigerant flow between the high side and the low side when the unit is de-energized. Make sure to pressurize from BOTH the suction and discharge lines.

**NOTE** - If electronic leak detector is used, add a trace of refrigerant to nitrogen for detection by leak detector.

**WARNING**

Danger of explosion. Can cause injury, death or equipment damage.

Do not use oxygen to pressurize the refrigerant system. Oxygen and oil can combine to cause an explosion.

**Charging**

Charge system according to charging procedure sticker on unit.

**IMPORTANT** - This unit is equipped with solenoid valves which do not allow refrigerant flow between the high side and the low side when the unit is de-energized. When adding nameplate charge, add 1/3 to the suction line and 2/3 to the discharge line.