UNITED TECHNOLOGIES CARRIER	Commercial Division Carrier Corporation	BULLETIN: CA-SB-19-E-74-71 DATE: 1/11/74 PAGE: 1 OF: 2
SERVICE BULLETIN		SUPERSEDE BULLETIN: DATE: PAGE: OF:
SUBJECT: **REFRIGERANT FEED CONTROL**		

PURPOSE: To forward refrigerant feed control assembly maintenance information.

MACHINES AFFECTED: All 19EA machines.

MATERIAL REQUIRED:

1. 3/8 inch flare bonnet with 3/32 inch orifice drilled.
2. Refrigerant feed control assembly (if inspection indicates replacement is necessary).
3. High side float chamber gasket.

PROCEDURE: When the high side float chamber is opened for routine maintenance or for other reasons, check the refrigerant feed control system for the following conditions: valve linkage loose; cable frayed or broken; or float ball leaking or damaged. These conditions may be the result of the refrigerant feed assembly exerting too much force when activated.

Also check to see if the refrigerant feed control piston sticks in the open position. If this condition is found, refer to bulletin CA-SB-19-D-73-70 describing this condition in the 19DG agitator assembly. (The 19DG31 agitator assembly is the same component used in the 19EA refrigerant feed control system.)

Repair and replace components as needed, being sure to use Loctite to secure all parts.

SERVICE BULLETIN

Adjust refrigerant feed control so that the float ball is in its uppermost position before the piston has reached its full stroke. When the float arm is in the horizontal (closed) position, the piston should be against the snap ring and the cable should be taut, but not supporting the weight of the float. The float valve should be fully closed when the float arm is in the lowered position.

Break a flare joint in the line from the economizer to the refrigerant feed control cylinder, either in the float chamber or outside, and insert the pre-drilled flare bonnet. This orifice increases the pressure drop in the line to the refrigerant feed control piston, which in turn reduces the force exerted on the system's components.

Re- install float chamber cover using a new gasket.