UNITED TECHNOLOGIES CARRIER

SERVICE BULLETIN

Title: 17/19D SERIES PRODUCT CHANGES

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Models Affected: 17 & 19 DK/DM/DR

PURPOSE: To transmit information regarding changes to 17/19D Series Products.

Effective in April, 1987, several changes/redesigns will become effective on all standard production 17/19D Series chillers. These changes are intended to increase reliability and/or reduce fabrication costs. Some of these changes will effect service techniques, requiring some adaptation. A summary of changes follows:

GUIDE VANE SHAFT SEAL

The shaft/seal assembly is redesigned to include a nickel-plated shaft, and a quad ring for the external lip seal. The traditional seal oiler cup is eliminated. Instead, there is an oiling hole in the housing, with a plastic plug, for occasional (2 to 3 times per season) lubrication of the quad rings. The old and new shaft/seal assemblies are interchangeable.

COMPRESSOR BASE PLATE

The familiar platform-style compressor base (unishells only) is replaced by a smaller gusset/angle structure. To retain the convenience of "slide & turn" compressor service, a field service platform has been designed, which is portable, and can be field-assembled on the machine by two men. The use of this platform eliminates the need for overhead lifting equipment. Contact your Service Marketing representative for availability.

COOLER

The cooler tubes are no longer expanded (swaged) at the support sheets. Field and lab tests indicate swaging is not necessary for this cooler design. Tube expansion was actually eliminated in 1985, on a trial basis. The change is now being formally instituted. Any future retubing done in the field does not require expansion at the support sheets.

The cooler sight glasses were eliminated in October, 1986.

PURGE

The familiar purge pump is replaced by a diaphragm-type pump. The new pump is smaller and has lower capacity, but still performs the required function.

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The purge exhaust check valve is eliminated. A new purge solenoid, with a heavier spring and coil, eliminates the need for the check valve.

The vapor line strainer is replaced by a strainer insert. It is located in the flare joint just ahead of the orifice.

ACCESS COVERS

On the compressor and poppet valve access covers, the gasket surface is shot-blasted, rather than ground. This finish provides better "grab" on the gasket, resulting lower leak rates. Used gaskets may be difficult to remove, but gasket replacement is recommended whenever the joint is opened.