

SERVICE BULLETIN



Carrier Corporation

Title: Capacity Slide Rod Standardization

Number: C9908

Date: 02/24/99

Models Affected: All 23XL Compressor Frame Sizes
Both Fixed & Variable V.I. Configurations

Supersedes: C9907

Date: 4/15/97

Purpose:

To define the 23XL capacity slide rod standardization to all C & D frame compressors, including “fixed” and “variable” V.I. configurations.

Reference:

- Bulletin **C9709** - Frame 4 Slide Rod Change
- Bulletin **C9803** - Slide Valve Rework Procedure;
- Bulletin **C9827** - Capacity Slide Rod Surface Finish Requirements

Background:

Bulletin C9709 detailed the D Frame, fixed V.I. compressor capacity slide rod product improvement in April, 1997. A new design capacity slide rod with “locking collars” replaced the original “keyed” capacity slide rod with tab washer and locknuts on D frame (4) “fixed” V.I. 23XL compressors.

This product change has been expanded to all frame 23XL compressors, including both “fixed” and “variable” V.I. configurations, as of October, 1997.

Requirement:

When ordering a replacement capacity slide rod for an older 23XL compressor, the capacity slide rod you receive will be the new design. The new style locking collars must be used with the new slide rod. Additionally, if the compressor is a variable Vi design, a new valve stop and spacer will be required to compensate for the larger size of the locking collars. The attached chart correlates the “old” capacity rod part numbers to the new capacity rod, locking collar, valve stop and spacer part numbers for all fixed and variable V.I. compressors.

Parts Ordering:

Refer to the Capacity Rod Standardization Information spreadsheet for the new parts required with capacity rod change. RCD has superseded the “OLD” capacity slide rods to the new design. The new style locking collars are ordered separately from RCD.

Loctite 603: Loctite P/N 21440 for 10ml bottle.

Acceptable Substitute: Loctite 609 & 675

Assembly Procedure:

- 1) Apply 3 drops of green Loctite (Retaining Compound) to the male threads, on both ends of the capacity rod, at 120 degree increments.
- 2) Remove the 4 set screws from both locking collars. Install both locking collars and torque the main body to 75 ft-lb. (102 Nm). Two locking collar sockets P/N TS-144504D (see sketch) will be required.
- 3) Apply 1 drop of green Loctite on each set screw and reinstall set screws into the body of the two locking collars.
- 4) Torque the four set screws, in an even pattern, to 32 in-lb. (4Nm).

Note: Make sure all parts are cleaned and degreased per Loctite’s instructions.