

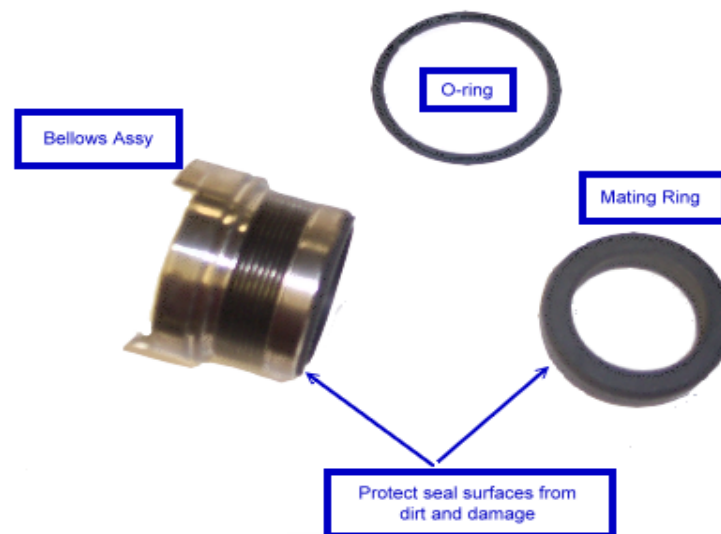
37-22-1101 SHAFT SEAL REPLACEMENT INSTRUCTIONS

This shaft seal uses a carbon ring in the bellows assembly, and a silicon carbide stationary ring in the seal plate. These are the same proven materials that are in Carrier compressors today.

CAUTION: It is critical to protect the polished surfaces of the new seal from dirt and damage. Precautions should be taken not to touch these surfaces with anything but the gloves we supply in the installation kit. Any dirt, scratches or debris on the surfaces can cause a leak after assembly.

Instructions

1. Remove seal plate from compressor and scrap off old gasket from both surfaces.
2. Remove old seal and mating ring, being careful not to scratch the shaft. NOTE: If shaft is rusty or dirty, use scotch bright or crocus cloth to clean the shaft before assembling the new seal. Avoid making flat spots or reducing the shaft diameter.
3. Install a new oil seal (p/n 37-33-3004) into the seal plate.
4. Lubricate the stationary seal O-ring with a clean, compatible compressor oil and install in seal plate. NOTE: Mating ring material is very brittle. Do not bump against shaft or any other hard surface. Avoid touching seal faces.
5. Press stationary seal firmly into the front seal plate using an installation tool to protect the seal surface. The tapered side should be facing into the seal plate. If tool is not available, use the enclosed pad to protect the surface of the ring during installation.
6. Apply clean, compatible compressor oil to the shaft and inside O-ring of the bellows assy. Being careful not to touch the seal face, slide the bellows assembly all the way onto shaft, aligning the tabs on the seal with the flats on the crankshaft. NOTE: Make sure seal is pushed on all the way.
7. Apply clean, compatible refrigerant oil to the mating ring and bellows seal surfaces prior to assembly.
8. Install the front seal plate with a new gasket (p/n 37-33-2513) and torque to the OEM's latest specifications. Be careful not to bump the mating ring during installation of the seal plate.
9. Run the compressor for a while and check for leaks. If seal is leaking, run the compressor for a few more minutes and check again. Seal may take a few minutes to fully seat.



CAUTION: Do not touch mating ring. Use protective gloves to install.