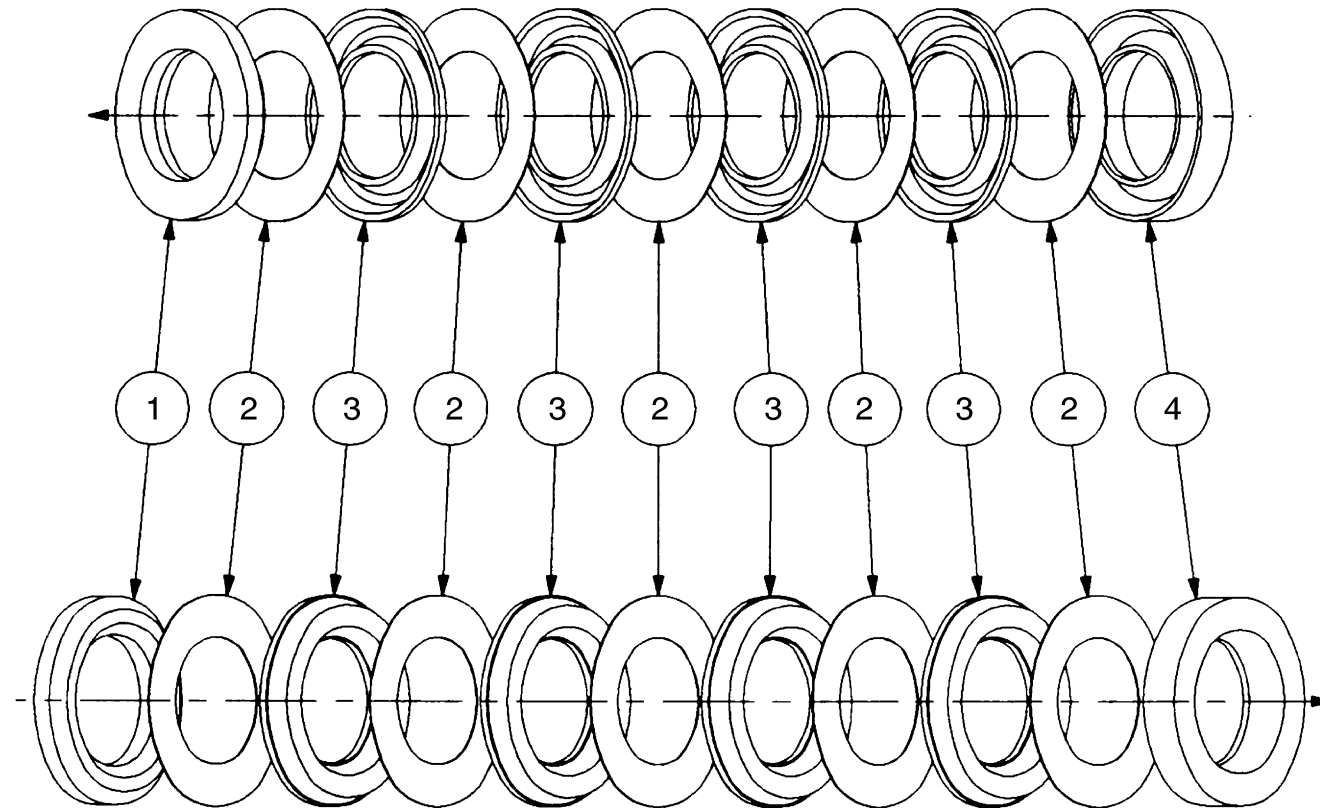


OPTIONAL K-RING PACKING SETS**WARNING!**

Do not use k-ring spacers in NH3 service.

Assemble k-ring packing using the illustration below and the packing replacement instructions enclosed.



Packing Sets
1452-1X, 1452-2X

| No. | Part No. | Description |
|-----|----------------|---------------------|
| 1 | 1453-1 | Male Packing Ring |
| 2 | 4274 | Packing Ring Spacer |
| 3 | 1454 or 1454-2 | Packing Ring |
| 4 | 1452-1 | Female Packing Ring |

Packing Sets
1725-2X

| No. | Part No. | Description |
|-----|----------|---------------------|
| 1 | 1724 | Male Packing Ring |
| 2 | 4275 | Packing Ring Spacer |
| 3 | 1725-2 | Packing Ring |
| 4 | 1723 | Female Packing Ring |

NOTE: Quantity of packing rings and spacers will vary depending on compressor model and packing style.

The k-ring spacer is made of a thin film of an advanced, temperature resistant engineering polymer. A k-ring is placed between each v-ring mating surface. The new design uses one less v-ring than the standard design to accommodate the k-rings. The k-ring counteracts the tendency of the v-rings to stick together, especially on higher temperature applications which approach the 350° F (175° C) limit for Corken compressors. The spacing of the v-rings allows each v-ring to seal more tightly. The spacing also improves heat dissipation which extends packing life by lowering frictional wear.



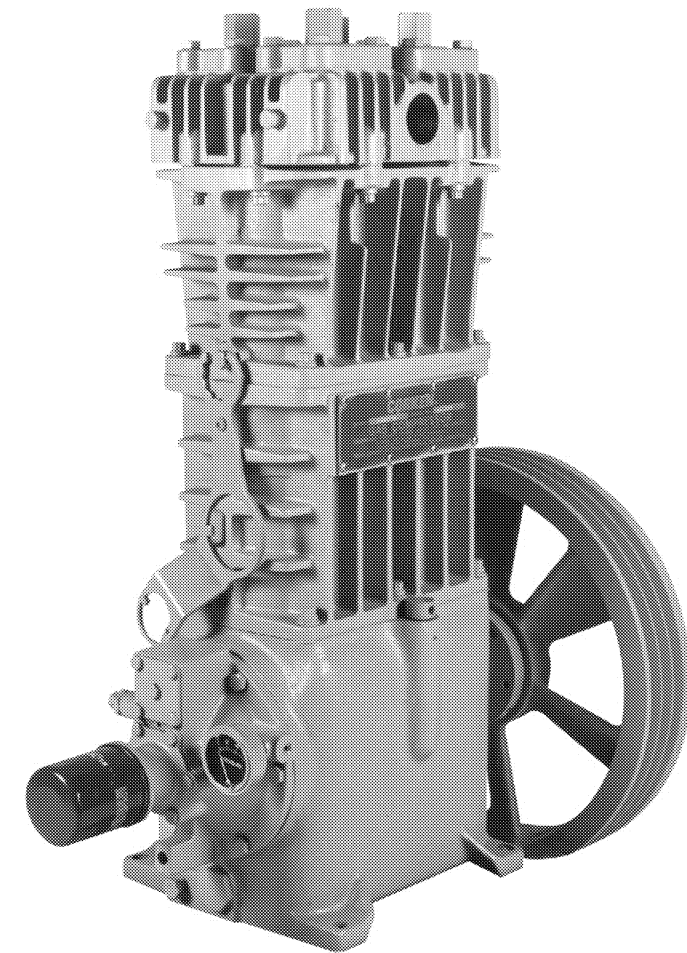
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IMPORTANT INSTRUCTIONS

PACKING SET REPLACEMENT

PART NUMBERS 1452-1X1, 1452-2X1



Solutions beyond products...



Warning: (1) Periodic inspection and maintenance of Corken products is essential. (2) Inspection, maintenance and installation of Corken products must be made only by experienced, trained and qualified personnel. (3) Maintenance, use and installation of Corken products must comply with Corken instructions, applicable laws and safety standards (such as NFPA Pamphlet 58 for LP-Gas and ANSI K61. 1-1972 for Anhydrous Ammonia). (4) Transfer of toxic, dangerous, flammable or explosive substances using Corken products is at user's risk and equipment should be operated only by qualified personnel according to applicable laws and safety standards.

**PACKING REPLACEMENT INSTRUCTIONS
GAS COMPRESSORS WITHOUT DISTANCE PIECE PACKING SET 1452-1X1**

CAUTION

Bleed all pressure from the compressor and piping before starting to install new piston rod packing. After repair, the unit should be pressure tested and checked for leaks at all joints and gasket surfaces.

When the compressor is being used with toxic, dangerous, flammable or explosive gases this pressure and leak testing should be done with air or a dry, inert gas such as nitrogen.

GENERAL INSTRUCTIONS

For simplicity, heads, pistons, and inspection plates are not shown. **The illustrations are for general reference only; for specific construction details and actual part numbers, consult your CORKEN Service Manual, Section E.** Use instructions below which apply to the MODEL and SERIAL NUMBER of your compressor. Be careful to arrange packing sets in the proper order.

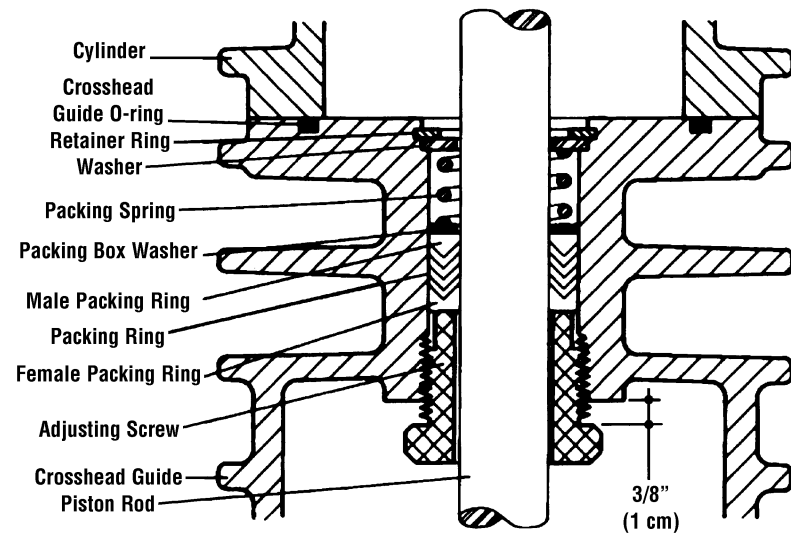
CLEANLINESS:

Sealing a reciprocating piston rod is a very difficult task. Keep all parts, tools and your hands clean during installation. Your new packing needs every chance it can get, **so keep it clean.**

WORKMANSHIP:

Your Corken compressor is a precision piece of equipment with very close tolerances. Treat it as such. Never beat on it to get parts in or out.

MODELS 90, 91



DEPRESSURIZE AND OPEN COMPRESSOR:

Remove head, pistons, cylinder, inspection plate and crosshead guide. Loosen adjusting screw and remove retainer ring, washers, packing spring and old packing from crosshead guide.

box washer, packing spring and washer into crosshead guide. Tighten adjusting screw to 3/8" (1 cm.) dimension as shown.

REPLACE PACKING:

Clean, then lightly oil, packing area inside crosshead guide. Thread in adjusting screw slightly. Install packing rings including male and female packing rings as shown in illustration, one at a time, pushing in each completely before adding the next ring. The quantity of packing rings required will vary due to tolerances; a good rule of thumb is to put in as many as are removed. Insert packing

COMPLETING INSTALLATION:

Oil piston rod and install packing installations, tool #4005. Slip crosshead guide over piston rod gently; care should be taken that the lips of the packing rings are not damaged. Remove packing tool. Replace crosshead guide o-ring, cylinder, pistons and head. Test compressor. Rock flywheel back and forth and listen for a leak. Tighten adjusting screw if necessary (but no more than 1/4 - 1/2 turn) and replace inspection plate. After all leaks are found and corrected, repressurize the system.

**MODELS 191, 290, 291 (PRIOR TO SERIAL NO. SS55685)
MODELS 390, 490, 490-3 (PRIOR TO SERIAL NO. XC30633)**

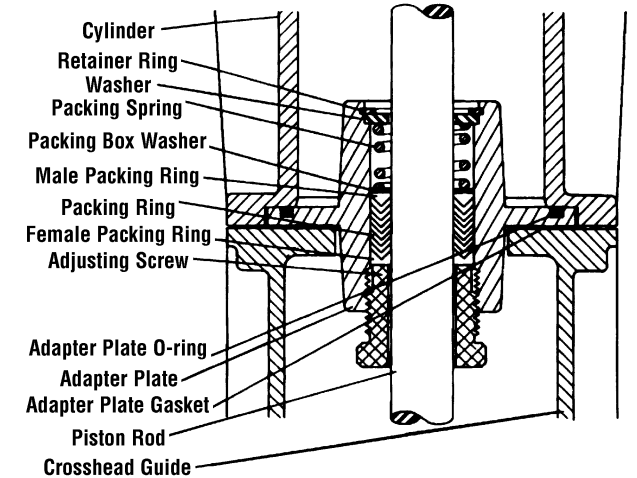
DEPRESSURIZE AND OPEN COMPRESSOR:

Remove head, pistons, cylinder and adapter plate. Loosen adjusting screw and remove retainer ring, washers, packing spring and old packing from adapter plate.

rings are not damaged. Remove packing tool. Replace crosshead guide o-ring, cylinder, pistons and head. Test compressor. Rock flywheel back and forth and listen for a leak. Tighten adjusting screw if necessary (but no more than 1/4 - 1/2 turn) and replace inspection plate. After all leaks are found and corrected, repressurize the system.

REPLACE PACKING:

Clean, then lightly oil, packing area inside adapter plate. Thread adjusting screw slightly. Install packing rings including male and female packing rings as shown in illustration, one at a time, pushing in each completely before adding the next ring. The quantity of packing rings required will vary due to tolerances; a good rule of thumb is to put in as many as are removed. Insert packing box washer, packing spring and washer into adapter plate. Push down on washer and insert retainer ring. Tighten adjusting screw to 3/8" (1 cm.) dimension as shown.



COMPLETING INSTALLATION:

Oil piston rod and install packing installations, tool #4005. Slip crosshead guide over piston rod gently; care should be taken that the lips of the packing

**MODELS 191/291 (SERIAL NO. SS55685 AND LATER)
MODELS 390, 391, W391, 490, 490-3, 491 (SERIAL NO. XC30633 AND LATER)**

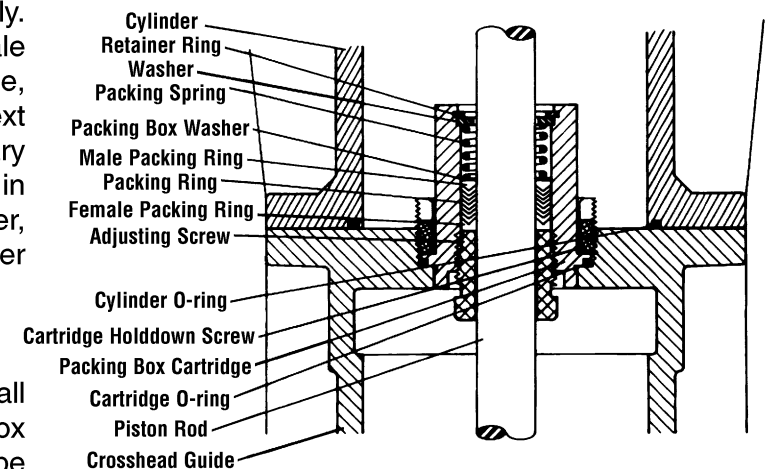
DEPRESSURIZE AND OPEN COMPRESSOR:

Remove head, pistons and cylinder. Then remove cartridge holddown screw and packing box cartridge. Loosen adjusting screw and remove retainer ring, washers, packing spring and old packing from packing box cartridge.

cartridge holddown screw. Replace cylinder o-ring, cylinder, pistons and head. Test compressor. Remove inspection plate to expose adjusting screws. Rock flywheel back and forth and listen for a leak. Tighten adjusting screws if necessary (but no more than 1/4 - 1/2 turn) and replace inspection plate. After all leaks are found and corrected, repressurize the system.

REPLACE PACKING:

Clean, then lightly oil packing area inside packing box cartridge. Thread in adjusting screw slightly. Install packing rings including male and female packing rings as shown in illustration, one at a time, pushing in each completely before adding the next ring. The quantity of packing rings required will vary due to tolerances; a good rule of thumb is to put in as many as are removed. Insert packing box washer, packing spring and washer. Push down on washer and insert retainer ring. Tighten adjusting screw.



COMPLETING INSTALLATION:

Oil piston rod and replace cartridge o-ring. Install packing installation, tool #4005. Slip packing box cartridge over piston rod gently; care should be taken that the lips of the packing rings are not damaged. Remove packing tool. Install and tighten