



Instruction Sheet

102-

FOR VI, CE, FE PUMPS, SEAL REPLACEMENT

Supersedes: New

Effective March 1, 1990

DISASSEMBLY:

1. Be Certain that electrical power is off.
2. If Valves are provided, close down. If not provided, relieve system pressure and drain fluid from casing.
3. Disconnect copper recirculation line, if provided.
4. a. CE or VI Models: Remove casing; hold down bolts. Remove casing cover and motor assembly from casing.
b. FE Models: Remove coupler guard, remove motor, hold down bolts and either slide motor back 4" or rotate motor so that couplers clear. Remove rear frame support anchor bolts and casing, hold down bolts. Withdraw frame, cover, and impeller until impeller starts to clear casing. Frame assembly can now be rotated off centerline and removed from the base.
5. Remove impeller bolt (in a counter clockwise direction) and bolt sealing washer. Impeller can now be pulled from shaft. Remove impeller key.
6. Remove shaft sleeve and rotary seal assembly. Remove frame to cover (FE or adaptor to cover mounting nuts (CE or VI). Withdraw cover and remove stationary seal.

REASSEMBLY:

1. Be certain that all gasket surfaces and seal bore are clean and components are free of burrs. All machined rabbitted surfaces are clean and free of nicks which would prevent seating squarely.
2. Lubricate O-ring on seat seal with liquid soap or silicone grease and insert in cover. Reassemble cover to motor bracket (CE, VI) or frame (FE). Note: tighten nuts in a criss cross pattern and evenly to assure good alignment.
3. Lubricate sleeve O. D. with liquid soap or silicone grease. Assemble rotating portion of seal on sleeve with spring retainer first, then spring and carbon facing outward. Install sleeve and seal assembly, large I. D. first, on to shaft. Stretch O-ring (do not roll) into groove at end of sleeve.
4. Assemble impeller key and impeller on shaft. Place new impeller washer on Stainless Steel bolt and tighten clockwise 18 ft. lb. for 3/8" bolt and 45 ft. lb. for 1/2" bolt.
5. Apply gasket adhesive to gasket surface of cover and fix gasket in position. Note: This keeps gasket in place during assembly.
6. Assemble power frame cover assembly or motor cover assembly into casing. Note: There might be a slight interference fit. Casing nuts may be used to draw cover down, but this must be done evenly and the impeller nose must be engaged in the casing wear ring.
7. Reconnect recirculating line if fitted and drain plug.
8. Refill system and check for leaks.

COMPARE. YOU'LL TAKE TACO.

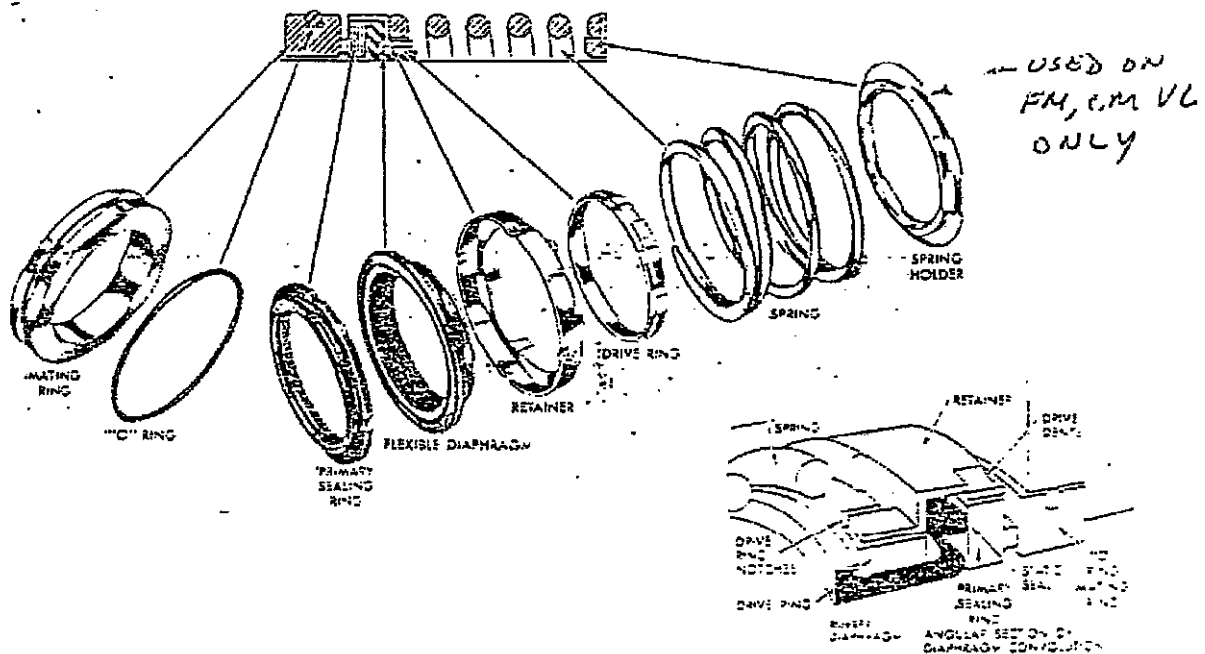
Taco, Inc., 1160 Cranston Street, Cranston, RI 02920. Telephone: 401/942-8000. Telex: 92-7627
Taco (Canada), Ltd., 1310 Almo Blvd., Mississauga, Ontario L4W1B2. Telephone: 416/625-2160. Telex: 06-961179.

Printed in USA
Copyright 1989
TACO, INC.

R.W. 11/98

ASSEMBLY

1. Inspect bellows for any cuts or tears.
2. Pick up drive band and retainer. Engage drive band notches with teeth of retainer.
3. Pick up bellows and load skirt of bellows thru large end of retainer until flange of bellows rests on the bottom of the retainer and the skirt has seated in the drive band.
4. Pick up carbon and insert into retainer with nose of carbon pointing away from retainer. Note, notches on the O.D. of carbon engage with projections on the I.D. of retainer. Apply a couple of dabs of silicone grease on back side of carbon to keep carbon from falling out during assembly to pump.
5. Lubricate the O.D. of sleeve with silicone grease and I.D. of bellows.
6. Install spring retainer over sleeve with cup side of retainer pointing towards small dia. end of sleeve. (FM, CM, VL ONLY)
7. Install spring on sleeve.
8. Slide bellows/drive band end of seal over sleeve.
9. Seal and sleeve assembly is now ready to be installed onto pump shaft.



USED ON Old Style
VL, FM, CM PUMPS

