



SEAL AND BEARING REPAIR DISASSEMBLY

(FOR FULL INSTRUCTIONS AND SAFETY DETAILS REFER TO OPERATORS MANUAL)

1) HEAD DISASSEMBLY FROM VIBRATOR



Secure vibrator bracket in vice and allow the bracket gusset to work as a stop against the vice jaws. Unscrew the head assembly from the vibrator bracket.

2) ROTOR REMOVAL FROM HOUSING



If the rotor assembly does not freely fall out of the head housing, clamp the flat sides of the driver sleeve in a vise. Pull the head housing off of the rotor assembly using a soft tool so no thread damage will occur.

3) BEARING REMOVAL FROM ROTOR



Clamp the rib of the rotor in a vise. Unscrew the driver sleeve (left hand thread). Remove the spacer from the rotor. Unscrew the hex nut from the opposite end of the rotor (left hand thread). Remove washer, the remaining two

4) SEAL REMOVAL FROM MOTOR



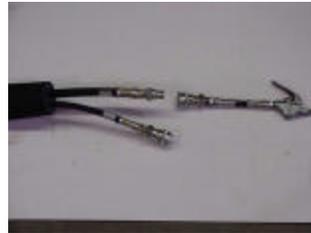
Looking into the motor housing you can see the internal lock ring on the motor seal. With a pair of lock ring pliers compress the lock ring and remove.

5) REMOVE LOCK RING



The lock ring can be removed and the seal extracted without hose or bracket removal. Next, connect a 100psi air line to the return side of the hydraulic hoses.

6) BLOW OUT THE SEAL



Sometimes the seal may need several shocks of 100psi on the return line to dislodge the seal from the motor. Place an object or your hand over the opening, otherwise the seal will become a flying hazard.