

PURGING AIR FROM HYDRAULIC LINES

SYMPTOMS (all or some of the following):

1. Delay between start of the motor and pump assembly and the raising of the chair base of more than a second.
2. Motor and pump noisy during the ascent of the chair base.
3. A squishing sound from the base at the end of the descent of the base.

CAUSES:

1. Addition of or loss of oil to system.
2. Loose fitting or defective seal allowing air to enter the system (see replacement of shaft seal for Robin Meyers motor).
3. Trying to relocate the chair by lifting on chair top.

SOLUTIONS:

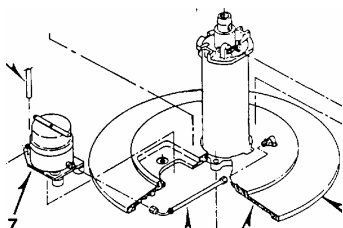
SQUARE BASES:

These bases are self purging, meaning the air will work its way from the lines to the reservoir over time with regular use. One can accelerate the process by:

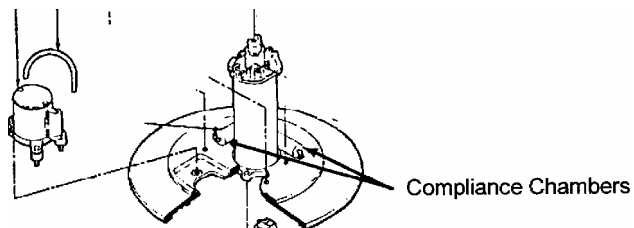
1. Lower the chair base.
2. Operate a switch that will lower the chair.
3. While maintaining pressure on that switch, operating a switch that raises the chair base. This will result in the motor and pump running but base not raising. Do for no more than 10 seconds.

ROUND BASES:

These bases are divided into self purging systems and non-self purging systems. Systems without compliance chambers (see below) are self purging (see purging for square bases), while those with compliance chambers (see below) require the following:



WITHOUT CHAMBERS



WITH CHAMBERS

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Purging Procedure for Round Bases with Compliance Chambers:

1. Lower chair base to lowest position.
2. Stand behind the chair so the motor and pump is at your feet (880's pedal at your left and pedal at your right).
3. Tilt the chair toward you so it is resting on the edge of the base and the lift axis is nearly horizontal with the floor.



4. Push a pedal inward (pedal base only) to run the motor for five seconds (do not push forward but inward only). Release and repeat for five more seconds. If non pedal base, raise chair base twice for five seconds each.
5. Set the chair back on the ground. If non-pedal base lower base back down.
6. Tilt the chair to your left and repeat step 4. (Note position of back of base and pedals to the picture below step 3).



7. Set chair back on ground.
8. Raise lift about 2 inches and lower completely. Repeat this step three times.
Chair is ready for operation
9. If the chair has a delay of a second or less, it is considered operating by factory specifications.
10. If symptoms returns refer back to causes and correct problem and purge again.

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