

OPERATING PROCEDURES

UNIVERSAL LEVEL IN/LEVEL OUT ROOM EXTENSION MECHANISM

MANUAL ROOM RETRACTION PROCEDURES - SQUARE TORSION SHAFT

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In the event of a hydraulic failure, including the hand pump, if so equipped, the room and floor can be manually retracted.

IMPORTANT: KEEP PEOPLE CLEAR OF THE ROOM WHEN MANUALLY RETRACTING THE ROOM. MAKE SURE THERE ARE NO OBJECTS SUCH AS CARPET, CHAIRS, ETC. BLOCKING OR INTERFERING WITH THE MOVEMENT OF THE FLOOR OR ROOM.

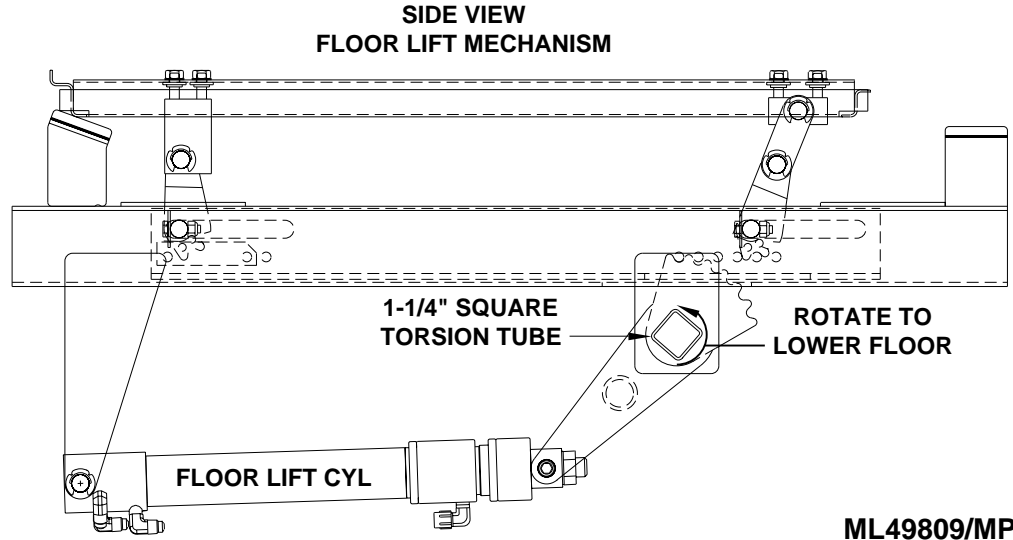
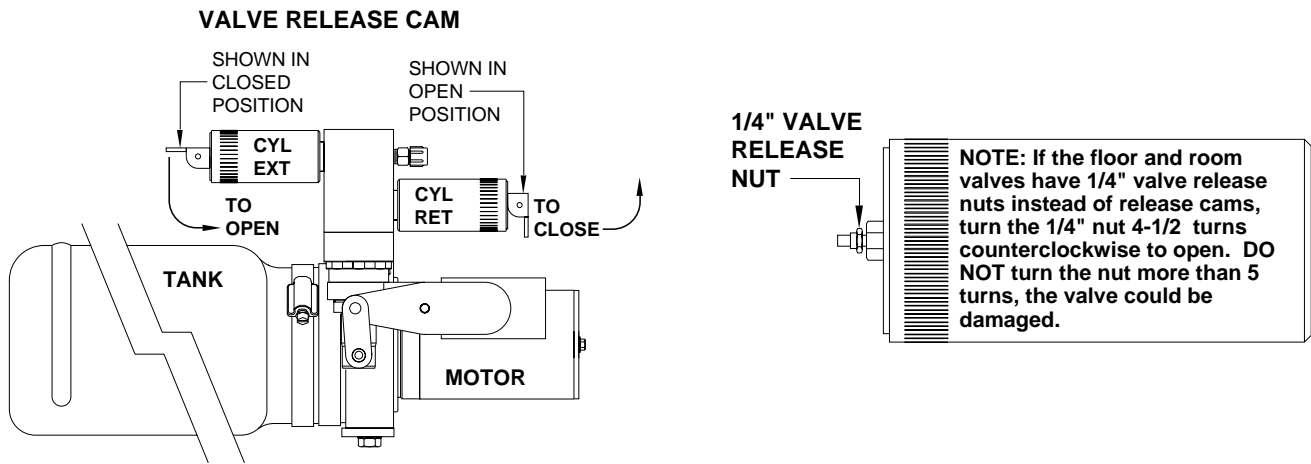
To manually retract room, first the floor must be completely lowered. The floor raise / lower mechanism must be accessed to accomplish this. An area closest to the floor lift cylinder is the best area to use. A 1-1/4" open end wrench will be required to lower the floor.

1. Determine which extend and retract solenoid valves are assigned to the floor. DO NOT open any room control valves at this time. Open both floor control valves by moving the valve release cam to the open position as shown in the following diagram.

IMPORTANT: ONLY MOVE THE RELEASE CAM IN THE DIRECTION SHOWN. MOVING THE CAM IN THE OPPOSITE DIRECTION CAN DAMAGE THE VALVES.

2. Access the 1-1/4" torsion tube as close to the floor lift cylinder as possible. (See floor lift mechanism diagram.)
3. Using a 1-1/4" open end wrench, to rotate the square torsion tube in the direction shown in the floor lift mechanism diagram. The floor lift cylinder should extend as the floor lowers to the store position.
4. When the floor is completely lowered, the room can be retracted. Proceed to page 2 for manual room retraction instructions.

NOTE: The floor should not be raised hydraulically or manually until the system has been serviced.



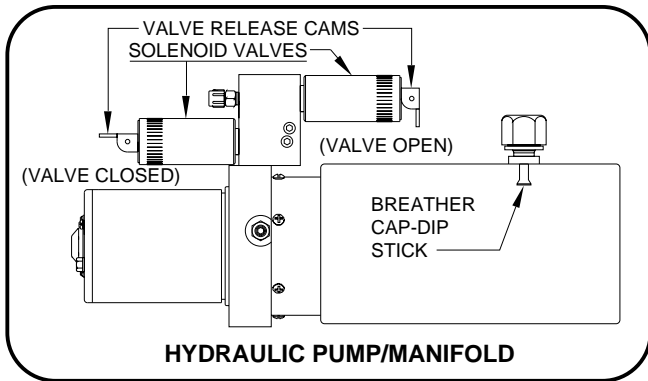
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1. After the floor is completely lowered, the room can be retracted. Leave the floor solenoid valves open and proceed to step 2.



2. Locate and open both solenoid valves for the room mechanism.

3. Start both threaded rods until resistance is met, one for the front and one for the rear mechanism should be provided.

NOTE: To access the threaded blocks refer to vehicle manufacturer.

4. **Do Not use an impact wrench.** Using wrench provided, a personal wrench or a tire iron with a 1-1/8" opening rotate either mechanism's threaded rod clockwise 6 complete turns.

5. Move to the other room extension mechanism, rotate the threaded rod clockwise 12 complete turns.

6. Return to the first room extension mechanism and rotate the threaded rod clockwise 12 complete turns.

7. Repeat steps 4 and 5 alternating from mechanism to mechanism rotating each threaded rod 12 complete turns until room is sealed. (DO NOT exceed 15 ft.lbs) Make sure the room does not bind.

IMPORTANT: If at any stage something is not understood or if the room begins to bind DO NOT force the room, contact HWH Customer Service for assistance 1-800-321-3494.

NOTE: Leave the solenoid valves open and the threaded rods in place until the room has been serviced.

IMPORTANT: DO NOT EXTEND THE ROOM UNTIL THE ROOM HAS BEEN SERVICED. ANY SOLENOID VALVES LEFT OPEN SHOULD BE CLOSED AND THE THREADED RODS SHOULD BE COMPLETELY REMOVED.

NOTE: If there is not enough room to remove both threaded rods completely, alternate backing the threaded rods out and slightly extending the room. Be careful to not extend the room so far that the threaded rods impact the coach wall or the mechanism.

