

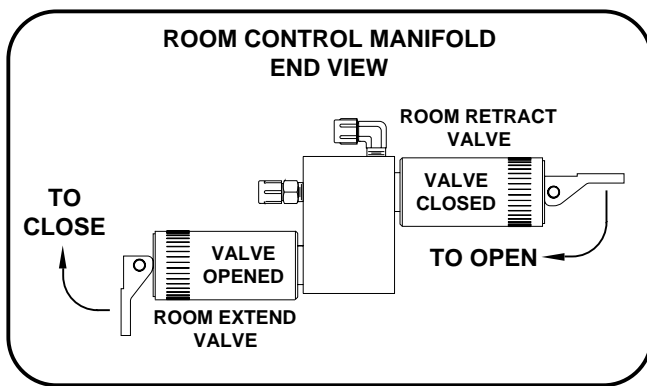
# OPERATING PROCEDURES

## "UNIVERSAL PLATFORM LEVEL-OUT" ROOM EXTENSION MECHANISM MANUAL ROOM LIFT PROCEDURES

**NOTE: Manual room lift procedures must be done before manual room retraction procedures.**

1. Determine which extend and retract solenoid valves are assigned to the room. Manually open the valve release cams for the extend and retract solenoid valves by moving the cams to the "VALVE OPENED" position as shown.

**IMPORTANT: RELEASE CAM MIGHT BE ROTATED TO ANY DIRECTION ON THE VALVE. MAKE SURE TO MOVE THE RELEASE CAMS IN THE CORRECT DIRECTION. INCORRECT MOVEMENT OF THE CAMS CAN DAMAGE THE VALVES.**



If this manifold is equipped with an auxiliary hand pump, you may be able to retract the room by opening only the room retract valve and operating the hand pump, refer to the AUXILIARY HAND PUMP OPERATION page for instructions on the use of the hand pump and valves equipped with a release cam. If the room cannot be retracted with the hand pump, it will be necessary to use the lift bolts and room retract screws.

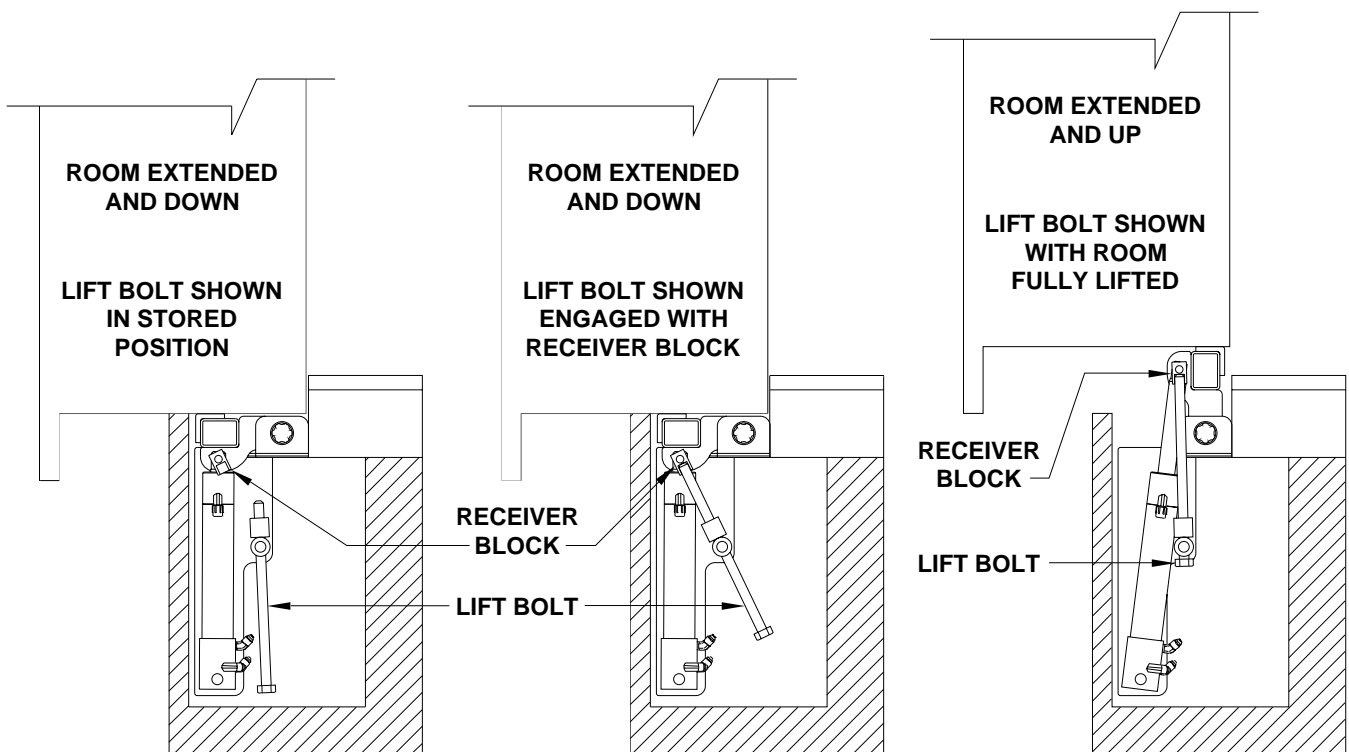
**NOTE: There may be more than one platform lift cylinder assembly. There is a manual lift bolt for each assembly. All lift bolts must be used to lift the room.**

Use a 13/16 wrench or socket to rotate the lift bolt(s) clockwise until they are seated in the receiver block. **DO NOT USE AN IMPACT WRENCH TO TURN LIFT BOLTS.** Continue to turn the bolt(s) until the room is completely lifted. When there are multiple lift bolts, alternate evenly between all lift bolts, turning each bolt two or three complete turns each time. **Turning one lift bolt without alternating may cause the room to bind.**

4. Leave the valves opened and refer to the next page for room retract procedures.

**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.**

**DO NOT RETRACT LIFT BOLT UNTIL YOU HAVE READ "EXTENDING ROOM AFTER SERVICE" ON NEXT PAGE.**



# OPERATING PROCEDURES

## "UNIVERSAL PLATFORM LEVEL-OUT" (UPLO) SLIDE-OUT SYSTEMS

### MANUAL ROOM RETRACT PROCEDURES

**NOTE: Manual room lift procedures must be done before manual room retraction procedures.**

1. 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 plates refer to vehicle manufacturer.**

2. **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.

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

4. Return to the first room extension mechanism and rotate the threaded rod clockwise 12 complete turns. Repeat steps 3 and 4 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, the lift bolts and threaded rods in place until the room has been serviced.**

### EXTENDING ROOM AFTER SERVICE

1. **Room lift bolts should not be retracted yet.** Push and hold the room switch to "RETRACT" for 5 to 10 seconds.

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

2. Push the room switch to "EXTEND" until the room is within 1 inch of being fully extended. Threaded rods should be completely removed at this time. **Do not allow room to bind.**

3. Retract all lift bolts completely. If room starts to drop, alternate between lift bolts evenly while turning lift bolts.

4. After lift bolts are retracted, push room switch to "EXTEND" until room is fully extended and down. If room dropped while retracting lift bolts, push room switch to "EXTEND" for 5 to 10 seconds.

5. Retract room with room switch.

**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.**

