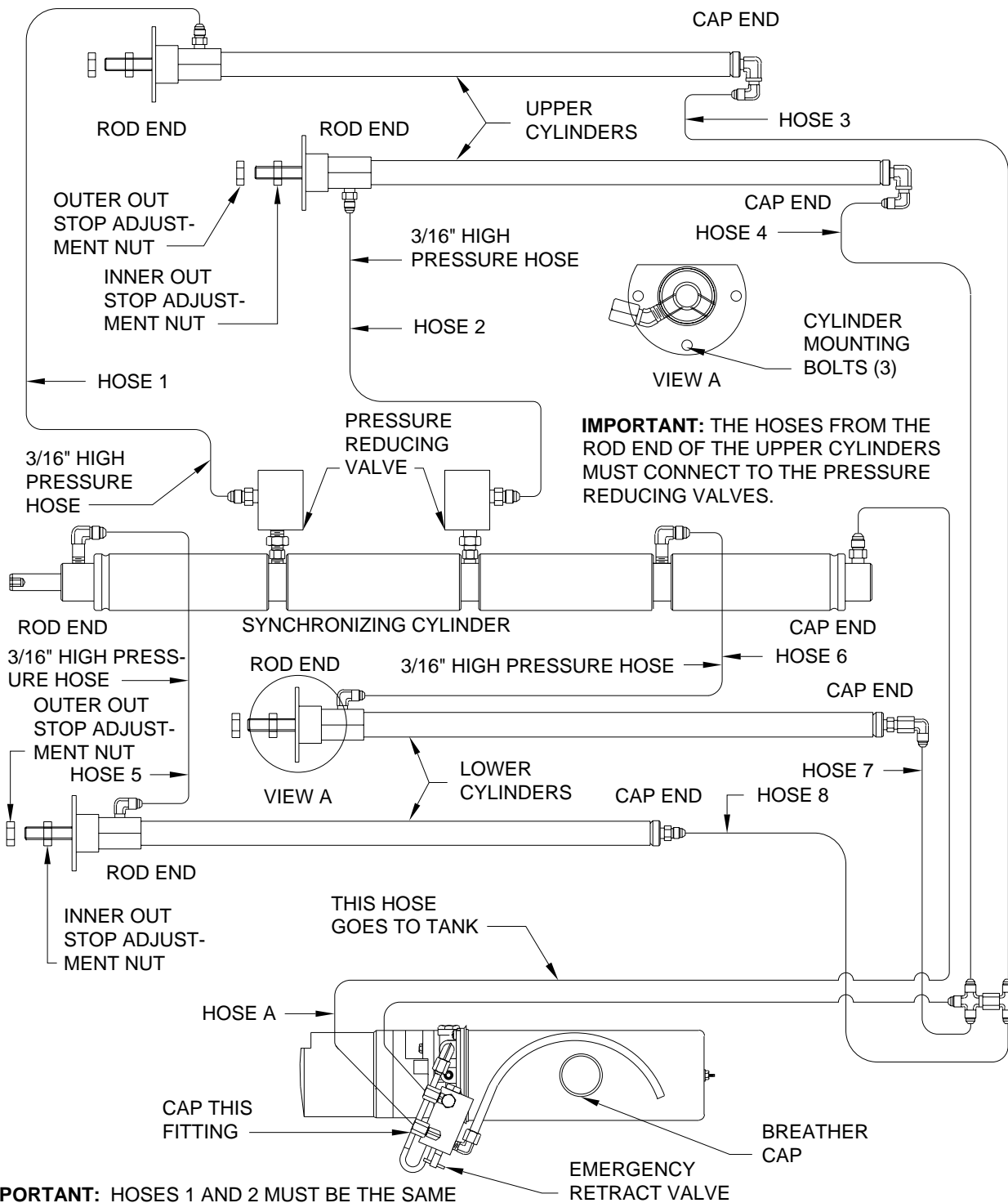


ROOM EXTENSION CYLINDER REPLACEMENT/BLEEDING PROCEDURE

FOUR CYLINDER ROOM EXTENSION WITH SYNCHRONIZING CYLINDER NO LEVELING SYSTEM / REVERSIBLE PUMP



IMPORTANT: HOSES 1 AND 2 MUST BE THE SAME LENGTH 3/16" HIGH PRESSURE HOSE. HOSES 5 AND 6 MUST BE THE SAME LENGTH 3/16" HIGH PRESSURE HOSE. SOME EARLY SYSTEMS USED 1/8" HIGH PRESSURE HOSE. DO NOT MIX 1/8" HIGH PRESSURE AND 3/16" HIGH PRESSURE HOSE.

HOSES 3 AND 4 MUST BE THE SAME LENGTH AND DIAMETER. HOSES 7 AND 8 MUST BE THE SAME LENGTH AND DIAMETER.

NOTE: THE PRESSURE REDUCING VALVES MAY BE IN A DIFFERENT POSITION ON THE SYNCHRONIZING CYLINDER. THEY WILL ALWAYS CONNECT TO THE ROD END OF THE UPPER CYLINDER.



**READ
INSTRUCTIONS
THOROUGHLY
BEFORE
PROCEEDING**

CYLINDER BLEEDING PROCEDURE FOUR CYLINDER ROOM EXTENSION (WITH SYNCHRONIZING CYLINDER) NO LEVELING SYSTEM/REVERSIBLE PUMP

This procedure is intended to bleed the system before the room is installed or if the room is installed but does not operate in a synchronized manner. If the room is installed, start with Part 1. If the room is not installed, start with Part 3.

IMPORTANT: The following instructions must be followed or air lock of the synchronizing cylinder and unsynchronized operation of the room cylinders may result causing damage to the room. Please read the instructions before operating the cylinders. DO NOT reverse direction of the cylinders unless the cylinders are fully extended or retracted.

NOTE: During initial installation of the room cylinders and the synchronizing cylinder DO NOT pull the rods out of the room cylinders or the synchronizing cylinder. Initial running of the room cylinders should start with Step 3 of this procedure.

1. Extend the room fully. Support the outer edge of the room so that the room cannot sag when the room cylinder rods are disconnected. If the room will not extend, disconnect the room cylinder rods from the room and manually pull the room out to its full extension and support the room. All four cylinders are to be disconnected from the room before continuing.
2. Loosen the emergency retract valve at the pump.
3. Remove hose A from the pump. Remove the breather cap and direct hose A into the tank. Cap fitting A with a steel cap.
4. Close the emergency retract valve.
5. Push and hold the room control switch to "EXTEND" until all four cylinders are fully extended plus 3 to 5 seconds. Watch carefully that the cylinders do not extend too far if the room is installed.
6. Reattach hose A to fitting A.

Tightening of hose ends: If tightening a new hose end, make the hose end snug (finger tight) on the fitting, then tighten the hose end 1/3 turn (2 FLATS). If tightening an existing hose end, tighten the hose end to snug plus 1/4 turn (1 FLAT).

7. Push and hold the room control switch to "RETRACT" until all four cylinders are fully retracted. DO NOT reverse direction of the cylinders.

8. Repeat extending and retracting the cylinders fully at least 3 more times or until the cylinders are completely synchronized. Do not go from "RETRACT" to "EXTEND" until the cylinders are fully retracted. Do not go from "EXTEND" to "RETRACT" until the cylinders are fully extended. Check that there are no leaks and that hose routings are ok.

9. If the room is installed reattach the cylinders to the room and proceed to Step 10. If the room was not installed, watch for binding or unsynchronized operation after the room is installed. Start over with Step 1 if necessary.

10. Retract the room watching carefully that the room does not bind up. If the room binds up, DO NOT try to extend the room. Remove the outer out stop adjustment nuts and manually push the room out and support it. Repeat Steps 7 thru 10. If the room will still not work properly, call HWH CORPORATION Customer Service at (800)321-3494 or at (563)724-3396.

11. If the room works properly, extend and retract the room several times. Watch carefully that the room does not extend too far or bind up. Check that the room seals are properly compressed with the room extended. If the room needs to extend more, loosen the outer out stop adjustment nut and turn the inner adjustment nut out until the room is seated properly. Tighten the outer adjustment nut. If the room is extended too far, loosen the inner outstop nut and tighten the outer adjustment nut until the room is seated properly. Tighten the inner adjustment nut.

12. Check again for leaks and hose routings.

13. **Clean any oil spills from the room area.**