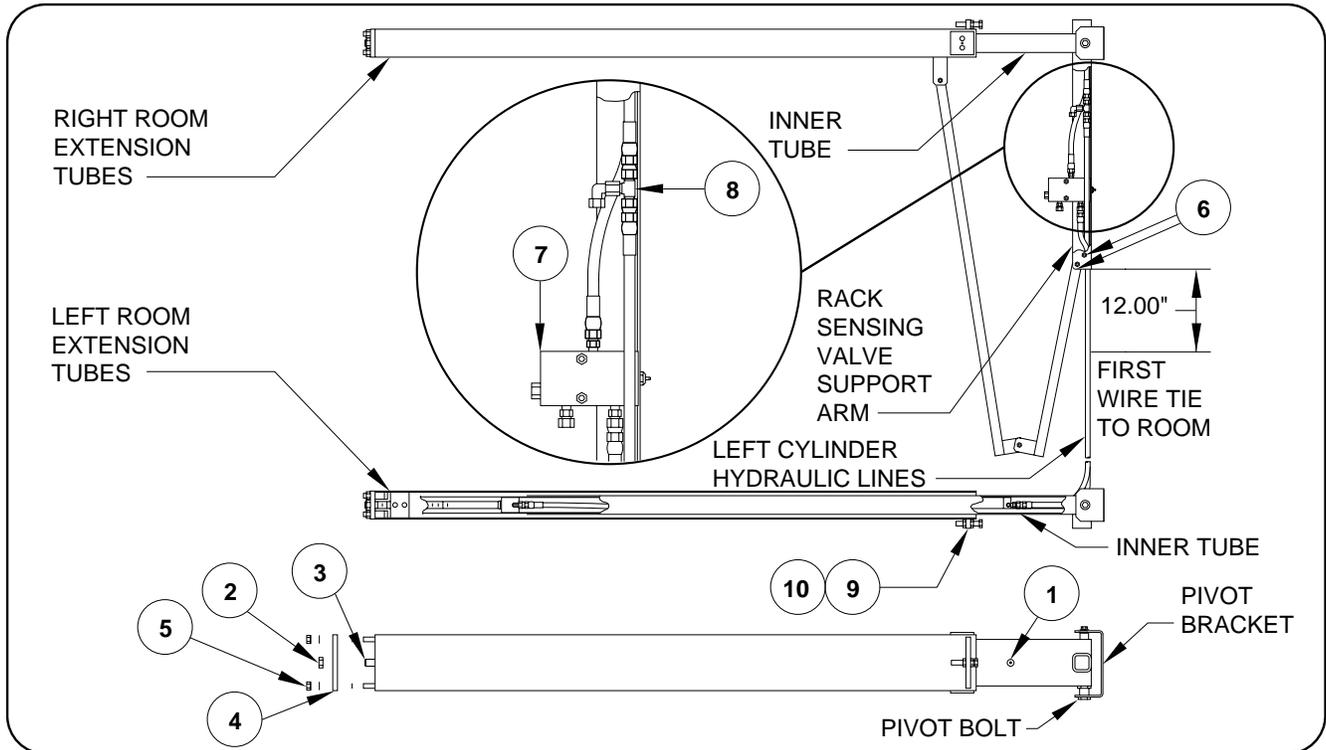


CYLINDER REPLACEMENT ROOM EXTENSION ASSEMBLY DUAL CYLINDER ROOM EXTENSION



CYLINDER REPLACEMENT

Extend the room until the cylinder mounting bolts (1) are visible. Make sure there is adequate room to work with the hose connections at the rack sensing valve. Open the extend and retract room extension solenoid valve "T" handles. Remove the cylinder adjusting lock nut (2). Measure the distance between the end of the cylinder adjusting rod (3) and the cylinder mounting plate (4). Add 1/4 inch to that measurement, this will allow for easy adjustment of the room after installing the new cylinder. Remove the two hose guide mounting bolts (6). (this is not necessary when removing the right cylinder). Remove the cylinder hoses from the sensing valve (7) and the tee fitting (8). Plug the hose ends and tie a wire to the two hoses, this will help when feeding the hoses back through the room extension tubes. Remove the cylinder mounting plate mounting nuts (5). Remove the cylinder assembly. **Before installing the new cylinder, clean all excess oil from the extension tubes. Swab the tube thoroughly with mild solvent and rags. Excess oil left in the tubes may leak giving the appearance of a leaky room cylinder or hose connection.**

Pull the rod out of the new cylinder approximately 1 1/2 feet. Some fluid will come out of the fittings. Move the hoses from the old cylinder to the new cylinder. **DO NOT** over tighten the fittings. Move the cylinder mounting plate to the new rod. Use the measurement from the old rod. Feed the hoses and new cylinder into the extension tube. Line up the cylinder mounting holes and replace the cylinder bolts (1). Reattach the hoses and hose guide. Push the rod in and attach the cylinder mounting plate. Close the room extension solenoid valves. Purge the air from the system by using the following steps. Retract the room completely. Extend the room 1 foot then retract the room completely. Extend the room 2 feet then retract the room completely. Extend the room fully then retract the room completely. Extend the room fully and hold the button toward extend for 5 seconds. Check for leaks. After replacement is complete check oil level in the tank.

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).

CYLINDER ADJUSTMENT

Extend the room completely. Turn the cylinder adjustment rod (3) in or out until the room seals are properly compressed. Replace and tighten the cylinder adjusting lock nut (2). The in stop is adjusted by loosening the lock nut (9) and turning the adjusting nut (10) in or out until the seals are properly compressed. This adjustment should not have to be changed after replacing the cylinder.

IMPORTANT: Watch carefully that the room does not rack excessively or extend too far when operating the first time after replacing the cylinders.