These procedures and guidelines are only for **emergency situations.** Link to further discussion about the procedures

Most rooms can be retracted manually in the case of a mechanical or electrical failure. To manually retract a room, it is necessary to determine which extend and retract solenoid valves are assigned to the room. Refer to available diagrams in this document to help determine them.

All units are not the same. **Identifying your type of system is necessary**. The systems are: 680 system. Vertical arm was used until 2002. In 2002 the 2000 series was used with a train arm system. Year 2003 and later has a 2000 series system with a lateral arm mechanism.

680 series system Front room:

1. **Locks = open unlock solenoid** this will keep locks open during operation
2. Make sure air compressor is running. Check seal and make sure it has deflated. If not you will have to manually deflate seal. Care will need to be taken if seal is manually deflated.
3. **Open room cylinder retract solenoid**. If hyd. pump will run the room will retract at this point if seal is deflated
4. Once room is retracted **close cylinder retract solenoid**.

Train Arm System

1. **Locks = open unlock solenoid** this will keep locks open during operation
2. Make sure air compressor is running. Check seal and make sure it has deflated. If not you will have to manually deflate seal. Care will need to be taken if seal is manually deflated.
3. **Open room cylinder extend solenoid.** If hyd. pump will run the room will retract at this point if seal is deflated.
4. Once room is retracted **close cylinder extend solenoid.**

Lateral Arm Room Extension

1. Make sure air compressor is running. Check seal and make sure it has deflated. If not you will have to manually deflate seal. Care will need to be taken if seal is manually deflated.
2. **Open room cylinder retract solenoid**. If hyd. pump will run the room will retract at this point if seal is deflated.
3. Once room is retracted **close cylinder retract solenoid.**

Wardrobe Scissor Extension

Note: This unit has no locks.

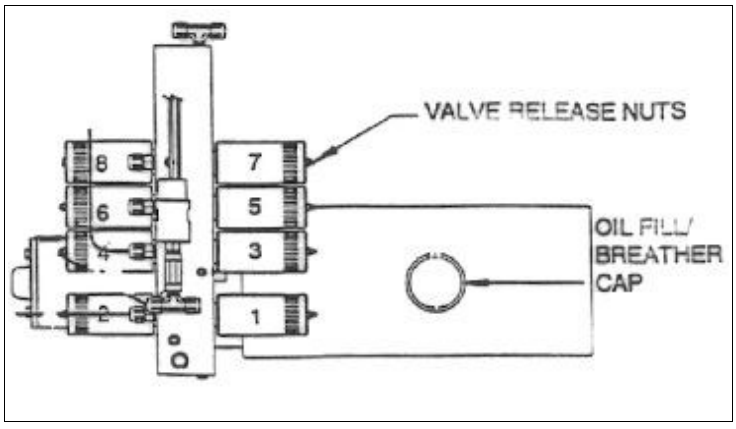
1. Make sure air compressor is running. Check seal make sure seal has deflated. If not you will have to manually deflate seal. Care will need to be taken if seal is manually deflated. (Remove air hose to bladder. It will not deflate but will relieve air pressure)
2. **Open room cylinder extend solenoid by turning valve release nut in rear of solenoid**. If hyd. pump will run the room will retract at this point if seal is deflated. If not ,you can push the slide in with several people.
3. Once room is retracted **close cylinder extend solenoid**.

Bed Slide Single Cylinder Extension

Note: This unit has locks up until early 2003 model

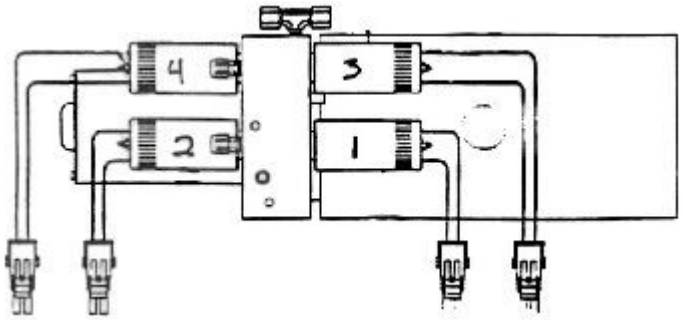
1. Locks = open unlock solenoid this will keep locks open during operation.
2. Make sure compressor is running. Check seal and make sure it has deflated. If not you will have to manually deflate seal. Care will need to be taken if seal is manually deflated.
3. Open room cylinder retract solenoid. If hyd. pump will run the room will retract at this point if seal is deflated.
4. Once room is retracted **close cylinder retract solenoid.**

680 series & 2000 series train arm system valve identification.



1. Front cylinder extend valve
2. Front cylinder retract valve
3. Front room lock valve
4. Front room unlock valve
5. Rear cylinder extend valve
6. Rear cylinder retract valve
7. Rear room lock valve
8. Rear room unlock valve

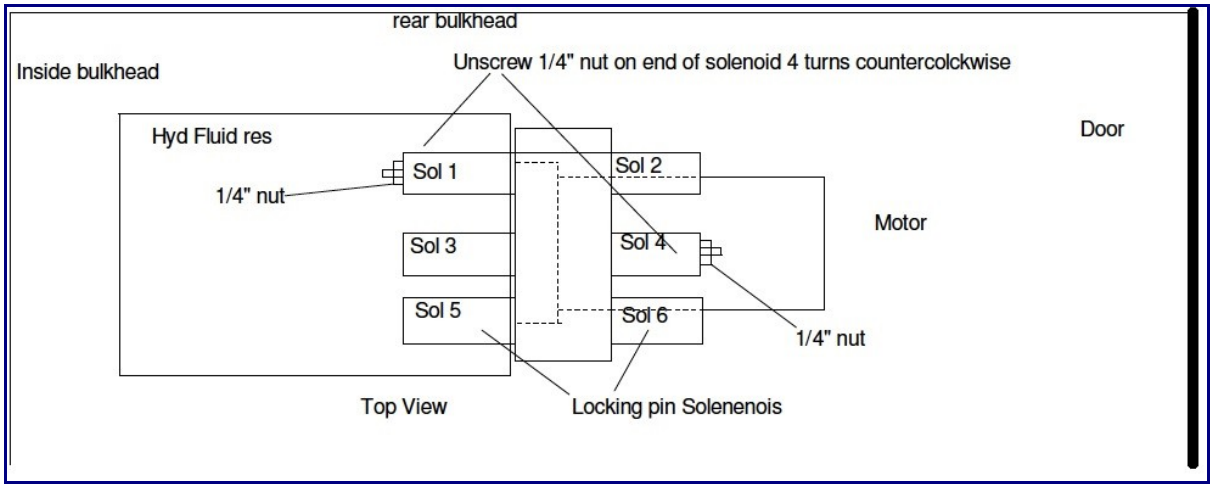
2000 series lateral arm system valve identification



1. Room 1 cylinder extend valve
2. Room 1 cylinder retract valve
3. Room 2 cylinder extend valve
4. Room 2 cylinder retract valve

Procedure for retracting slide - If hydraulic pump works (rear slide works fine).

1. Turn key to "ON" for slide on the instrument console and wait for bladder to deflate. If it doesn't deflate – Stop and trouble shoot.
2. Turn 1/4" nut on the end of the solenoid # 1 and 4 for 4 revolutions counter-clockwise - loosen. You should hear some sounds as Hyd. fluid moves
3. Push Retract button on instrument console. Slide should come in. If not it will have to be manually pushed in by hand.
4. Turn key "OFF" bladder should inflate.



For valves with release nuts, open the valve by turning the 1/4" release nut counter clockwise. Use a 1/4" nut driver or the nut driver incorporated into the breather cap. **DO NOT** turn the release nuts more than 4 and 1/2 turns. Turning the nuts more could damage the valve.

When closing the valves, make snug only. DO NOT over tighten the nuts.

For valves with release cams, simply move the cam to the open position. The release cam might be rotated in any position on the valve. Moving the cam in the wrong direction can damage the valve