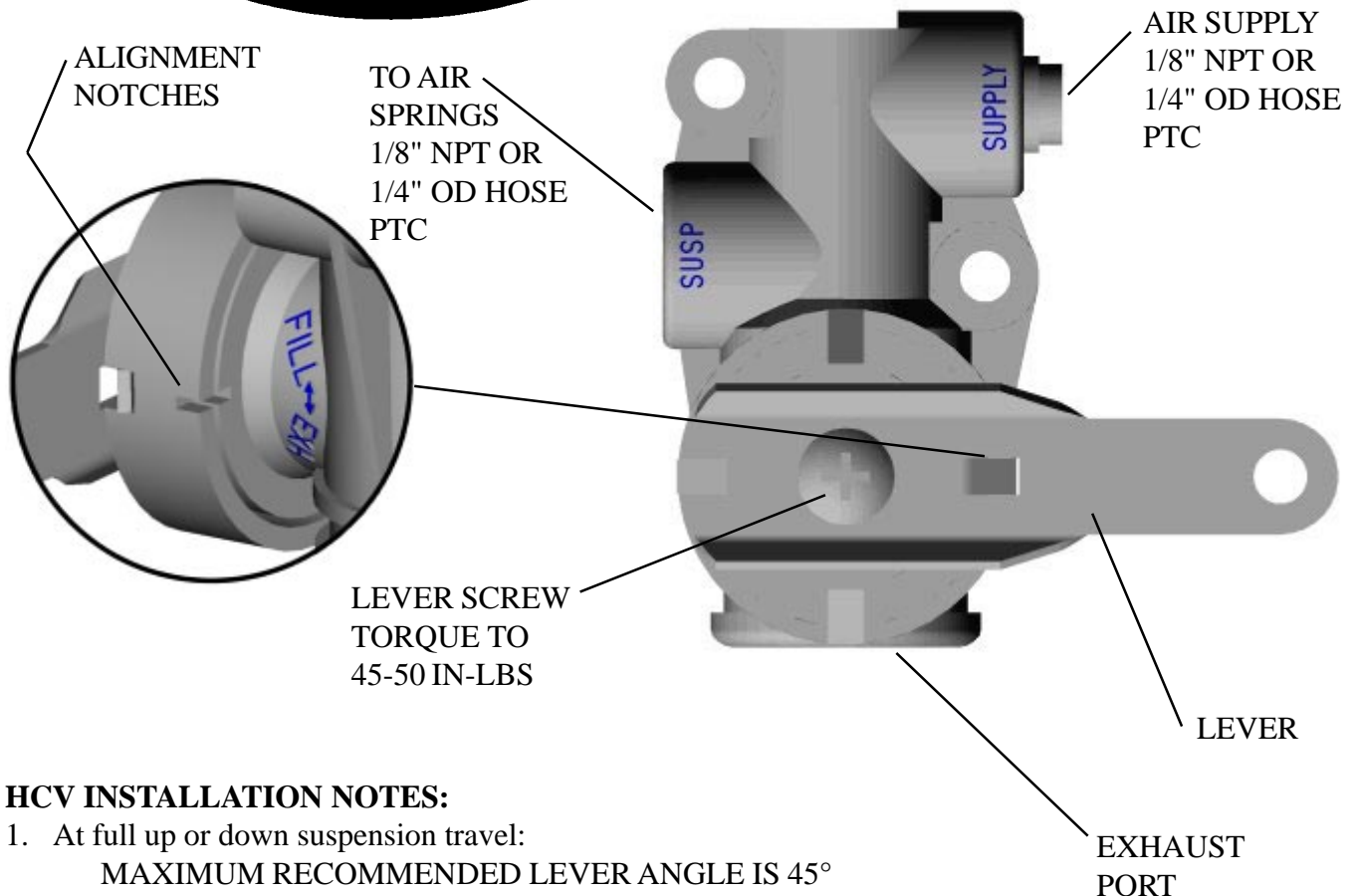




H00600 SERIES HEIGHT CONTROL VALVE INSTRUCTIONS



HCV INSTALLATION NOTES:

1. At full up or down suspension travel:
MAXIMUM RECOMMENDED LEVER ANGLE IS 45°
MINIMUM RECOMMENDED LEVER ANGLE IS 20°
2. Mount HCV with exhaust port horizontal or down.
3. Align drive bearing notch with housing notch on the side which provides the proper fill and exhaust with lever rotation. Molded markings on housing indicate the direction of fill and exhaust.

HCV INSTALLATION INSTRUCTIONS

Caution: Air lines are pressurized and may blow debris, USE EYE PROTECTION.

1. Disconnect and remove old height control valve.
2. Attach the Hadley H00600 HCV to the existing mounting bracket or use other brackets as needed to mount the valve. Observe the Installation Notes above.
3. **Attach the correct length lever to the H00600 HCV to achieve proper rotation per Note 1 above.** Tighten lever screw to 45-50 in-lbs. Do not allow the lever and linkage to straight line at full suspension extension.
4. Reconnect the air lines to the H00600 HCV per the picture above.
5. Adjust the linkage to the vehicle manufacturer's ride height recommendations. Align drive bearing and housing notches to insure the valve center is at ride height.
6. Tighten all 1/4" nuts and bolts to 60-80 in-lbs.

PROBLEM	POSSIBLE CAUSE
Air springs flat	Obstructed air line Insufficient air pressure to suspension Defective Pressure Protection Valve Defective HCV (see test procedure) Air leak in system
Air springs raise to full height but do not exhaust	Obstructed air line Defective HCV (see test procedure)
Air springs deflate when parked	Leak in air system (check with soapy water) Defective HCV (see test procedure)
Cab Suspension will not maintain proper height	Obstructed air line Defective HCV (see test procedure)
Hard ride	Ride height out of adjustment (readjust per vehicle service manual)
Cab suspension overshoots center	Replace shocks
Valve works backwards	Rotate notch in drive bearing 180° and reinstall lever

HCV TEST PROCEDURE

1. With a minimum of 90 psi at the supply port, rotate the lever up (as indicated on the side of the valve) 30° to 45° . Air should begin to flow into the air springs.
2. Rotate the lever to the neutral position. Air flow should stop.
3. Rotate the lever down 30° to 45° . Air should begin to exhaust from the air springs.
4. Rotate the lever to the neutral position. Air flow should stop.
5. If valve fails to operate as specified, replace with a new one.

REASONS TO REPLACE THE HCV

- HCV did not pass the test procedure
- Air leaks from the HCV
- HCV is damaged



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