

**Suspension
Controls**

LINK[®]

Link Mfg. Ltd.
223 15th St. N.E.
Sioux Center, IA USA
51250-2120
www.linkmfg.com

**QUESTIONS?
CALL CUSTOMER
SERVICE
1-800-222-6283**

INSTALLATION INSTRUCTIONS

**600 Series
Height Control Valve
(H00600)**



IMPORTANT: IT IS IMPORTANT THAT THE ENTIRE INSTALLATION INSTRUCTIONS BE READ THOROUGHLY BEFORE PROCEEDING WITH THE INSTALLATION.







1. INTRODUCTION

Thank you for choosing a Link Suspension Control. We want to help you get the best results from this height control valve and to operate it safely. This instruction contains information to assist in the installation of the Height Control Valve. This instruction is intended solely for use with this product.

All information in this instruction is based on the latest information available at the time of printing. Link Manufacturing reserves the right to change its products or manuals at any time without notice.

Damaged components should be returned to Link with a pre-arranged Returned Materials Authorization (RMA) number through the Customer Service Department. The damaged component may then be replaced if in compliance with warranty conditions.

2. SAFETY SYMBOLS, TORQUE SYMBOL, and NOTES

	DANGER indicates a hazardous situation which if not avoided, will result in death or serious injury.
	WARNING indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.
	CAUTION indicates a potentially hazardous situation which, if not avoided, could result in minor or moderate injury.
	NOTICE indicates a potentially hazardous situation which, if not avoided, may result in property damage.
	TORQUE indicates named fasteners are to be tightened to a specified torque value.
	NOTE: A Note provides information or suggestions that help you correctly perform a task.

3. SAFE WORKING PRACTICES

CAUTION

When handling parts, wear appropriate gloves, eye-glasses, ear protection, and other safety equipment.

CAUTION

Proper tightening of fasteners is important to the performance and safety of the suspension. Follow all torque specifications throughout the instructions.

4. SAFE WORKING PRACTICES

CAUTION

4.1

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

5. HCV INSTALLATION

5.1

Disconnect and remove old valve.

5.2

Attach the Link H00600 HCV to the same mounting bracket or use the enclosed brackets as needed to mount the valve. Observe installation notes below.

1. Always mount valve with lever arm on the top side.
2. At full up or down suspension travel:
MAXIMUM RECOMMENDED LEVER ANGLE IS 45°
MINIMUM RECOMMENDED LEVER ANGLE IS 20°
3. Mount HCV parallel to frame rail
4. Align drive bearing notch with housing notch on the side which provides the proper fill and exhaust with lever rotation. Molded markings on house indicate the direction of fill and exhaust.

5.3

Attach the proper length lever to the H00600 HCV. Tighten lever screw to 45-50 in-lbs. Do not allow the lever and linkage to straight line at full suspension extension.

5.4

Reconnect the air lines to the H00600 HCV per figure 1 on page 3.

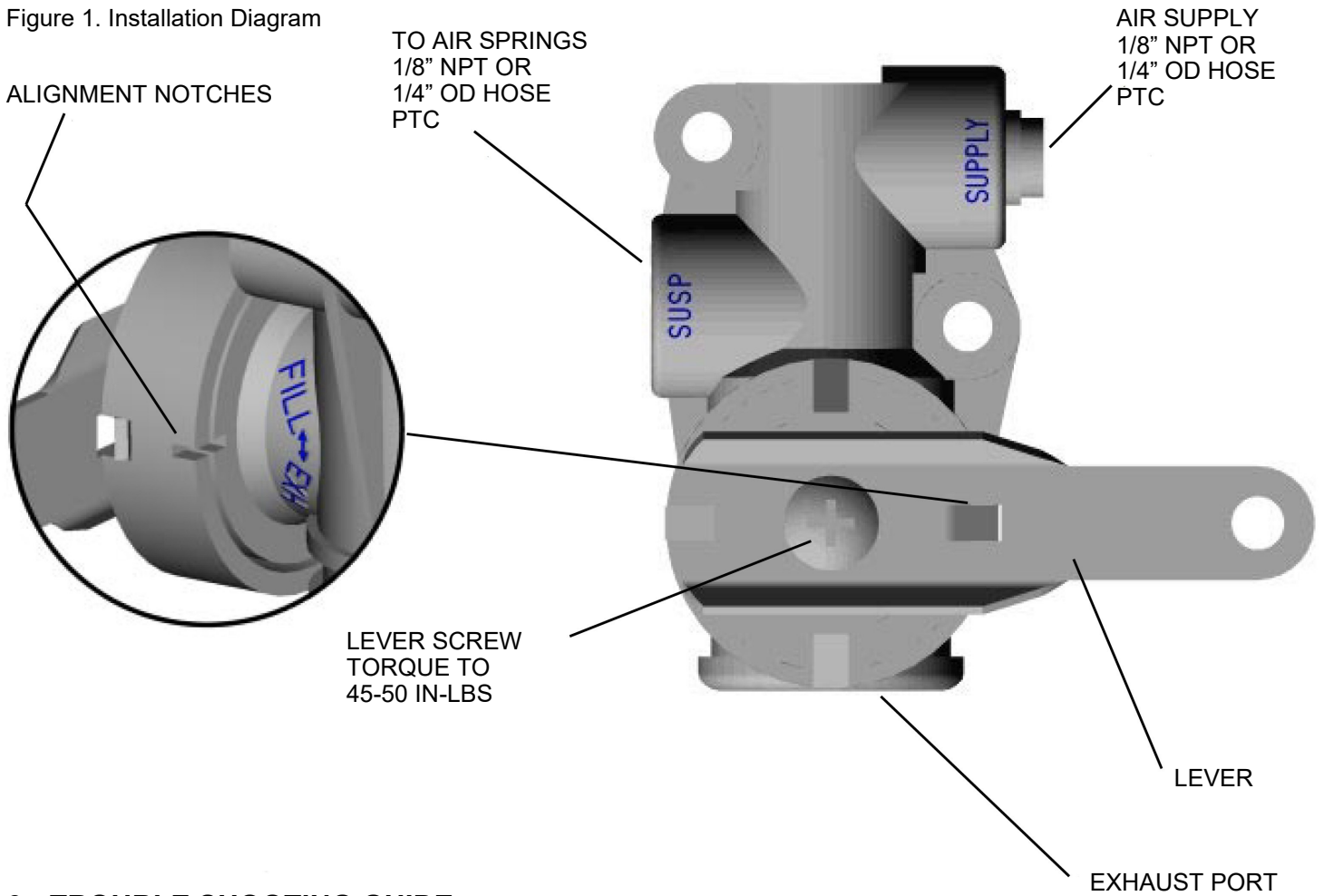
5.5

Adjust the linkage to the vehicle manufacturer's ride height recommendations. Align drive bearing and housing notches to ensure the valve center is at ride height.

5.6

Tighten all 1/4" nuts to 60 to 80 in-lbs.

Figure 1. Installation Diagram



6. TROUBLE SHOOTING GUIDE

PROBLEM	POSSIBLE CAUSE
Air springs flat	Obstruction in 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
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 Use short delay H00450 HCV
Valve works backward	Rotate notch in drive bearing 180° and reinstall lever

7. HCV TEST PROCEDURE

7.1

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.

7.2

Rotate the lever to the neutral position. Air flow should stop.

7.3

Rotate the lever down 30° to 45°. Air should begin to exhaust from the air springs.

7.4

Rotate the lever to the neutral position. Air flow should stop.

7.5

If the valve fails to flow air or shut off as specified, replace with a new one.

8. REASONS TO REPLACE THE HCV

8.1

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

