Suspension Controls

OWNER'S GUIDE

500 Series
Height Control Valve
(H19154)

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

H19154
11/14/25

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 adjustment 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	**DANGER indicates a hazardous situation which if not avoided, will result in death or serious injury.**
⚠ WARNING	**WARNING indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.**
⚠ CAUTION	**CAUTION indicates a potentially hazardous situation which, if not avoided, could result in minor or moderate injury.**
NOTICE	***NOTICE* indicates a potentially hazardous situation which, if not avoided, may result in property damage.**
TORQUE	***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, eyeglasses, 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.

4.2

NOTE: Park vehicle on level surface and chock the wheels. Measurements and adjustments should be made with brakes released.

5. DUAL HCV RIDE HEIGHT MEASUREMENT PROCEDURE

5.1

Park the truck on a level surface and chock the wheels. Release brakes during measurement.

5.2

Dump the air from the suspension using the dash switch.

NOTE: If a dump system is not used, this must be accomplished manually by disconnecting the linkage from the lever and rotating the lever down to the exhaust position.

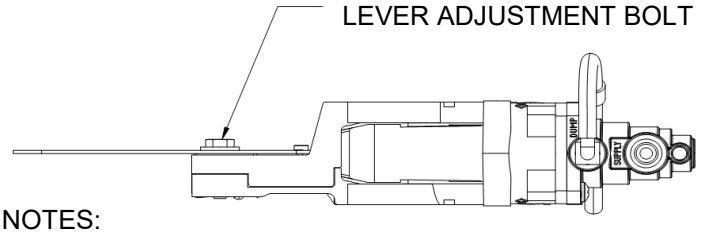
Reconnect the linkage to reinflate the suspension.

5.3

Reinflate the air suspension. This ensures both HCVs are on the same side of the dead band.

5.4

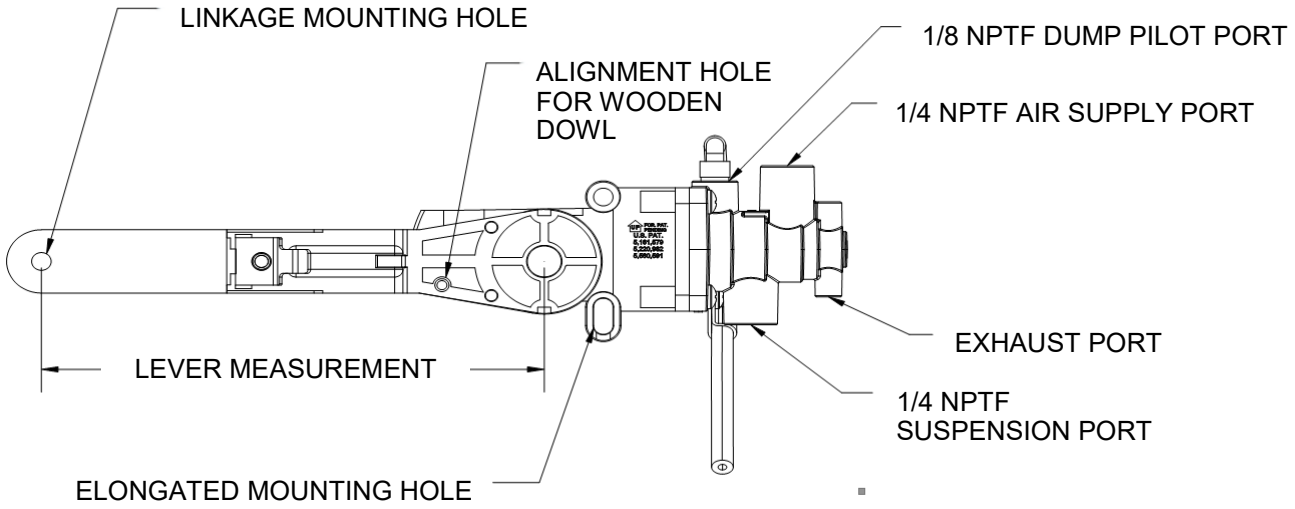
Measure the ride height on each side.



NOTES:
1. 60—80 IN-LBS FOR ALL 14—20 NUTS AND BOLTS
2. MOUNT VALVE WITH 1/4 DIAMETER BOLTS

Figure 1.

Figure 2.



6. DUAL HCV ADJUSTMENT INSTRUCTIONS

6.1
Install the new HCV(s) if needed (see H00500 Installation Instructions).

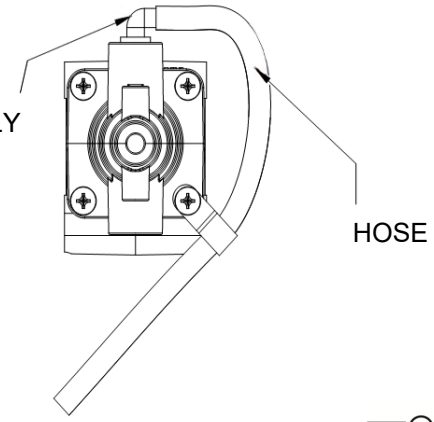
6.2
Make sure the air lines are properly attached.

6.3
Manually move each HCV lever to fill the suspension above ride height, and then exhaust each valve to bring the suspension down to ride height. Move levers back to neutral to shut off the air flow (use wooden dowel as neutral reference).

6.4
Measure the center to center linkage distance and attach existing linkage if correct length. If a new linkage is needed, cut rod and assemble linkage per directions.

6.5
Attach the linkages to each valve.

Figure 3.



6.6
Refer to section 5 to measure ride height.

6.7
If the ride height needs to be adjusted, loosen the lever adjustment bolt, move the actuator arms down to lower suspension below the desired ride height, and then move the actuator arms up to raise the suspension. When the desired ride height is reached, return the actuator arms to neutral (no air flow) and re-tighten the lever adjustment bolt (60—80 in lbs/6.8—9.0 Nm).

6.8
Refer to section 5 to measure ride height.

6.9
Repeat steps 6.7 and 6.8 if necessary.

7. VERIFICATION OF RIDE HEIGHT

7.1
Note: The rigid frame of an unloaded truck can affect the ride height measurement from side to side, therefore, a loaded vehicle measurement is necessary to confirm correct ride height.

7.2
Place a load on the vehicle.

7.3
Refer to section 5 to measure ride height.

7.4
If adjustments are required, repeat steps 6.7 and 6.8 on an unloaded vehicle.

LINK MANUFACTURING, LTD.
223 15TH ST. NE, SIOUX CENTER, IA 51250
1-800-222-6283 www.linkmfg.com