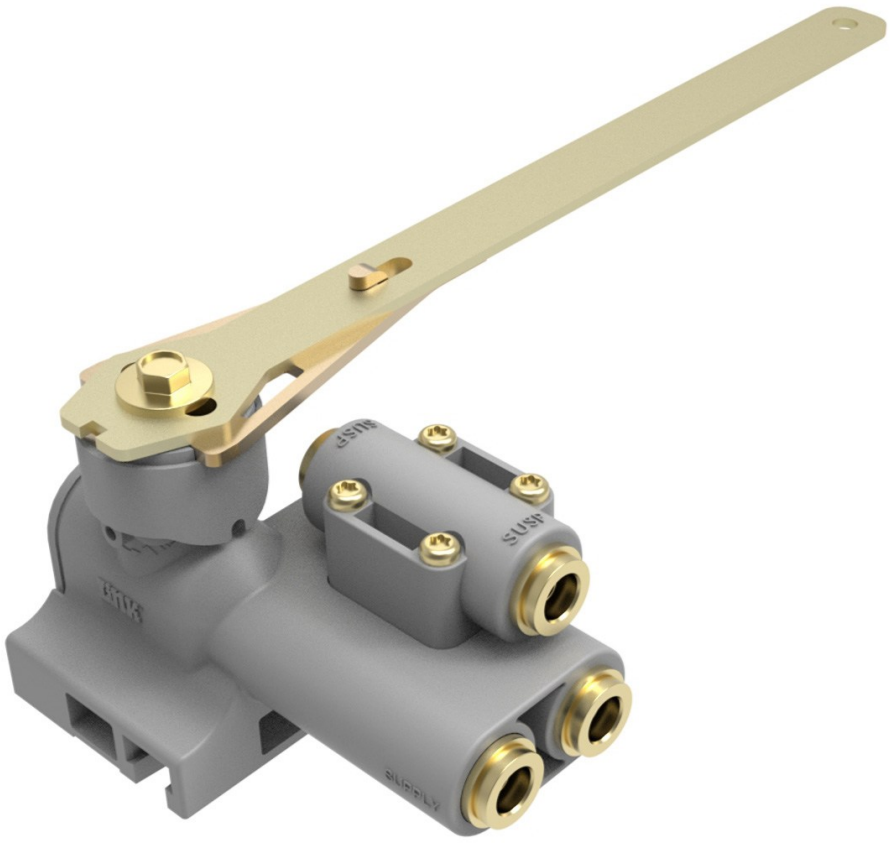
Suspension Controls

INSTALLATION INSTRUCTIONS

1601 Series Height Control Valve

PRESSURE DUMP CONFIGURATION (H18627)



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

H16669
11/6/25

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 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	**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.

5. PARTS INCLUDED

ITEM NO	DESCRIPTION	QTY
1	VALVE ASSEMBLY	1
2	INSTRUCTION SHEET	1

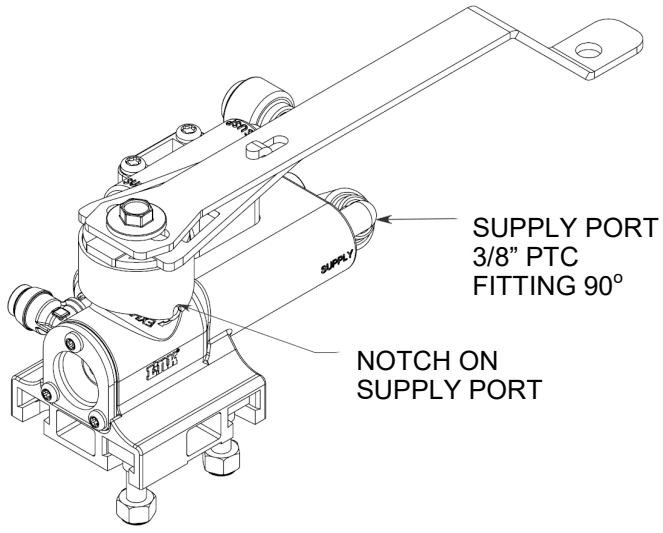
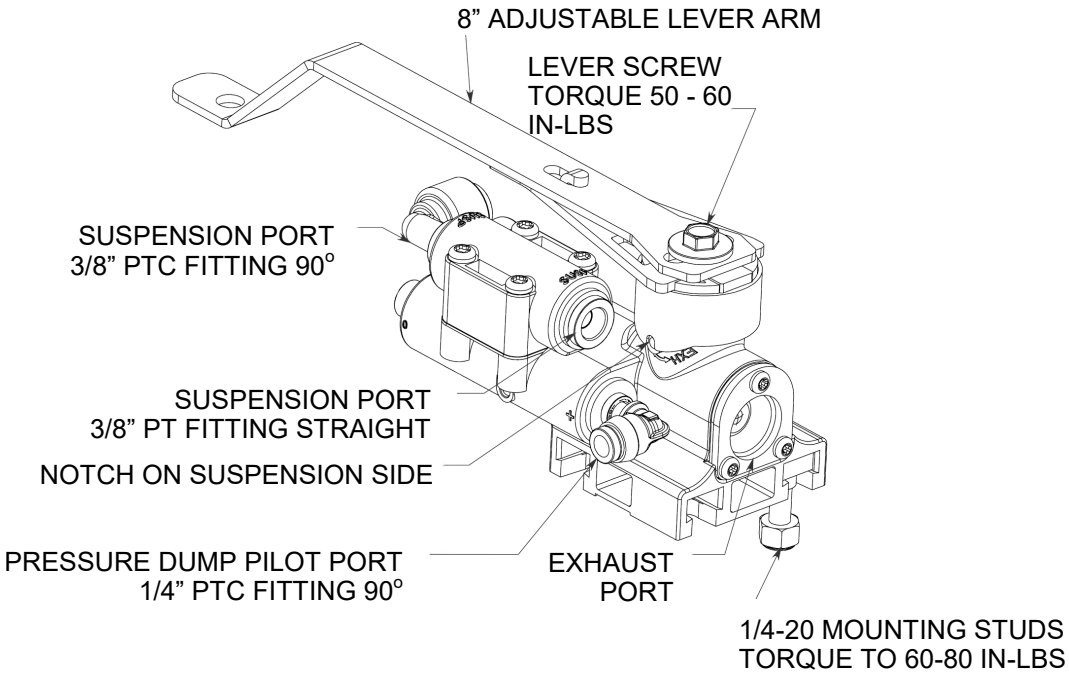


Figure 1. H1601DC - Driver Side

Figure 2. H01601DB - Passenger Side



6. REMOVE EXISTING VALVE

6.1
Dump rear suspension via cab controls

6.2
Disconnect air lines from existing valve
- i. Remove tubing from existing valve
- ii. Label which line is used for supply, dump, pilot port, and suspension lines

6.3
Remove upper linkage bolt from existing lever
- i. Do not disconnect the lower linkage bolts—Leave as is. The existing linkage will be used to connect the NGHCV
- ii. Move the Linkage to the side.

6.4
Remove the mounting nuts from the existing valve and remove the valve from bracket.
- i. Do not remove the bracket. It will be used to mount the NGHCV

7. INSTALL NGHCV

7.1
If installing valve on passenger side use H01601DB & proceed to 7.3

7.2
If installing valve on driver’s side use H01601DC

7.3
Mount the Link valve to the existing bracket using the preassembled bolts

7.4
Bolt the valve to the bracket using the Nylock nuts provided and torque to 60 - 80 in-lbs.

8. AIR LINE CONNECTIONS

8.1
Connect each of the lines to the appropriate port
- i. NOTE: To avoid pinching use tube cutters only
- ii. NOTE: Push tubes into fittings until they bottom out.
- iii. NOTE: Additional tube to tube fittings and/or extension pieces may be required to complete plumbing installation

8.2
Use the diagrams for reference to ensure proper connections

9. ASSEMBLE EXISTING LINKAGE TO LEVER

9.1
Connect the linkage to valve lever using the existing mounting bolt

10. RIDE HEIGHT ADJUSTMENT

10.1
Verify manufacturers' ride height

10.2
Air up the suspension

11.3
Measure ride height

11.4
Readjust ride height by loosening the lever screw enough to rotate the bottom to fill or exhaust the air until the correct ride height is attained

11.5
Tighten the lever screw to 50 – 60 in lbs.

11.6
Dump the suspension and allow the valve to fill to ride height

11.7
Remeasure ride height and adjust if necessary

Figure 3. Plumbing Overview

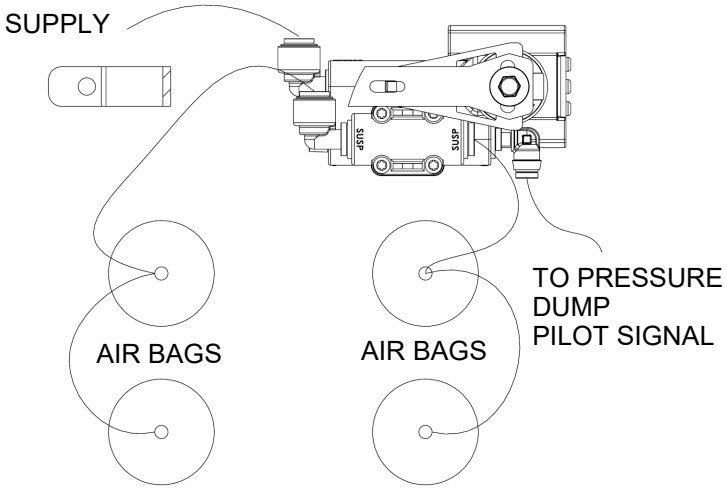
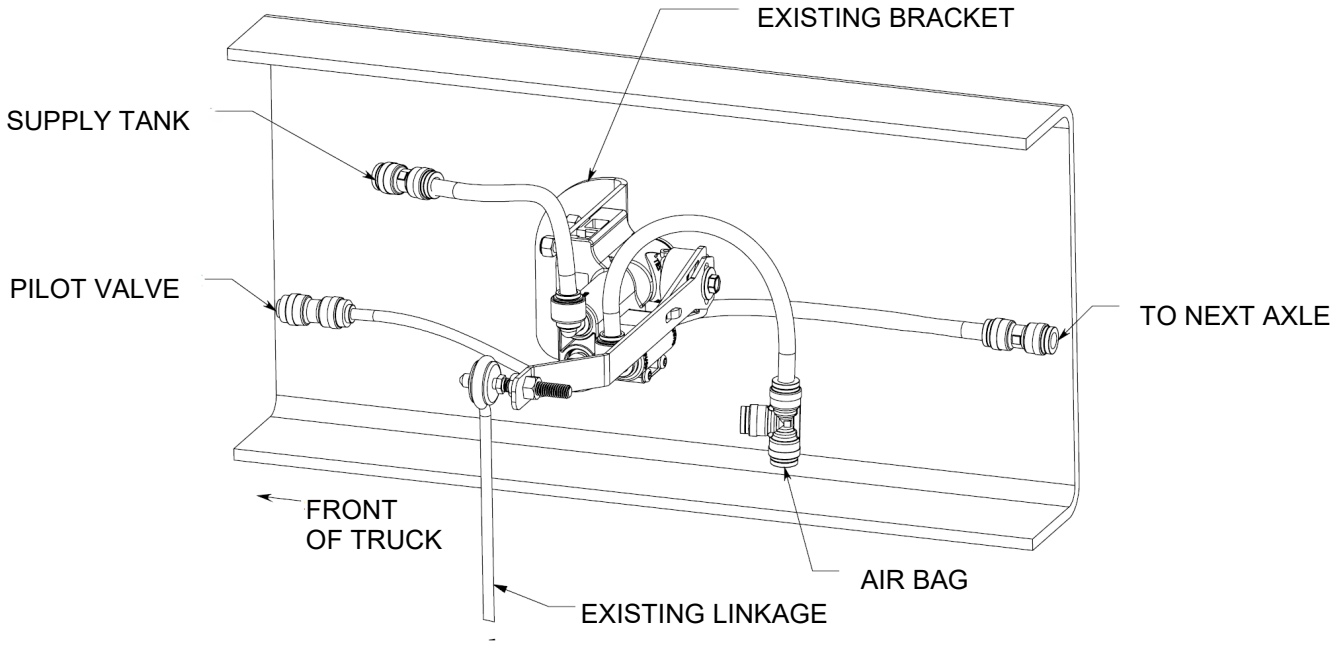


Figure 4.



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