

**Suspension
Controls**

LINK[®]

INSTALLATION INSTRUCTIONS

1501 SERIES Height Control Valve

MACK CHASSIS HCV
(H01501HMS)



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**QUESTIONS?
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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, 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. PARTS BAG

ITEM NO	DESCRIPTION	QTY
1	LOCK NUT	2
2	3/8" STEM FITTING, 90° ELBOW	1
3	3/8" UNION	1
4	3/8" TUBING—24" LONG	1

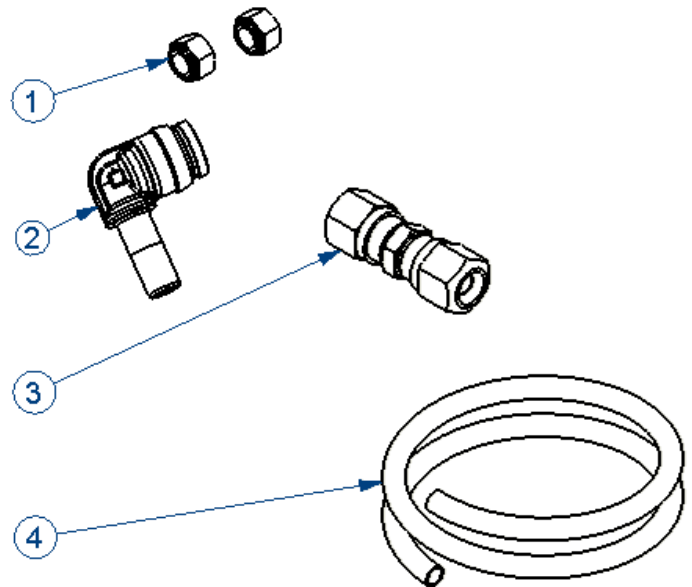


Figure 1.

5. REMOVAL OF HALDEX/EXISTING VALVE

5.1

Dump the rear suspension via cab controls

- Be careful as the supply line will still be under pressure
- There will also be air pressure to the dump pilot port

5.2

Disconnect air lines from existing Leveling Valve

5.3

Remove Upper linkage bolt from existing lever

- Do not disconnect the lower linkage bolts, leave as is
- You will use the existing linkage
- Move to the other side or let drop – we will use this upper attachment later.

5.4

Remove the nuts on the existing valve / bracket interface and remove valve from bracket.

- DO NOT remove the bracket
- Existing bracket must remain in place and will be utilized

6. INSTALLATION OF LINK H01501MS/ H01501VHMS VALVE:

6.1

Install replacement valve on bracket per diagram on page 4

6.2

Tighten nuts to 60-80 in-lbs

7. AIR LINE CONNECTIONS

7.1

See diagram on page 4 for reference

7.2

Supply Line

- a. Insert the 90° Stem fitting into the port labeled supply (top port facing rear of vehicle)
 - i. There is 24" of 3/8" tubing included in this kit and a coupler fitting
 - ii. Install one end of the tubing provided into the 90° Stem fitting, run the remaining tubing down along the rail as far as will travel
 - iii. Where the provided tubing ends, you will need to couple the factory tubing and supplied tubing at this location using the supplied coupler fitting
 1. Make sure there are no kinks or acute bends at the valve
- b. Once the Supply line is coupled further down the rail you are complete

7.3

Dump port (1/4")

- a. The valve should be oriented so that the dump port line (1/4") is plumbed in line with the valve
- b. Insert the factory tubing into the 1/4" Dump port on the valve
 - i. Clean up any cut tubing and make sure they are as straight and flat as possible
 1. To avoid pinching use tube cutter only
 2. Do not use wire cutters, scissors...etc. This can create pinch points and cause leaks
 - ii. Push tube into fitting until it bottoms out

7.4

Suspension Lines

- a. The suspension lines for the Mack chassis are plumbed in line
 - i. Clean up any cut tubing and make sure they are as straight and flat as possible
 1. To avoid pinching use tube cutter only
 2. Do not use Wire cutters, scissors...etc. This can create pinch points and cause leaks
 - ii. Push tube into fitting until it bottoms out

7.5

Linkage Attachment

- a. Attach the upper linkage to the lever using same mounting bolt from existing valve
- b. Air Up the suspension and adjust ride height per manufacturer recommendations

8. INSTALLATION DIAGRAMS

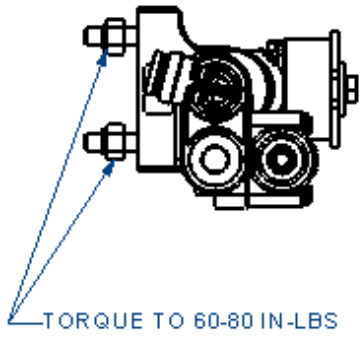


Figure 2.

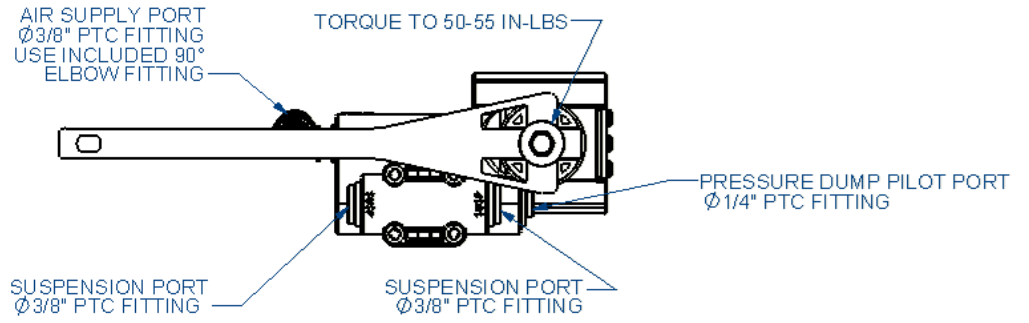


Figure 3.

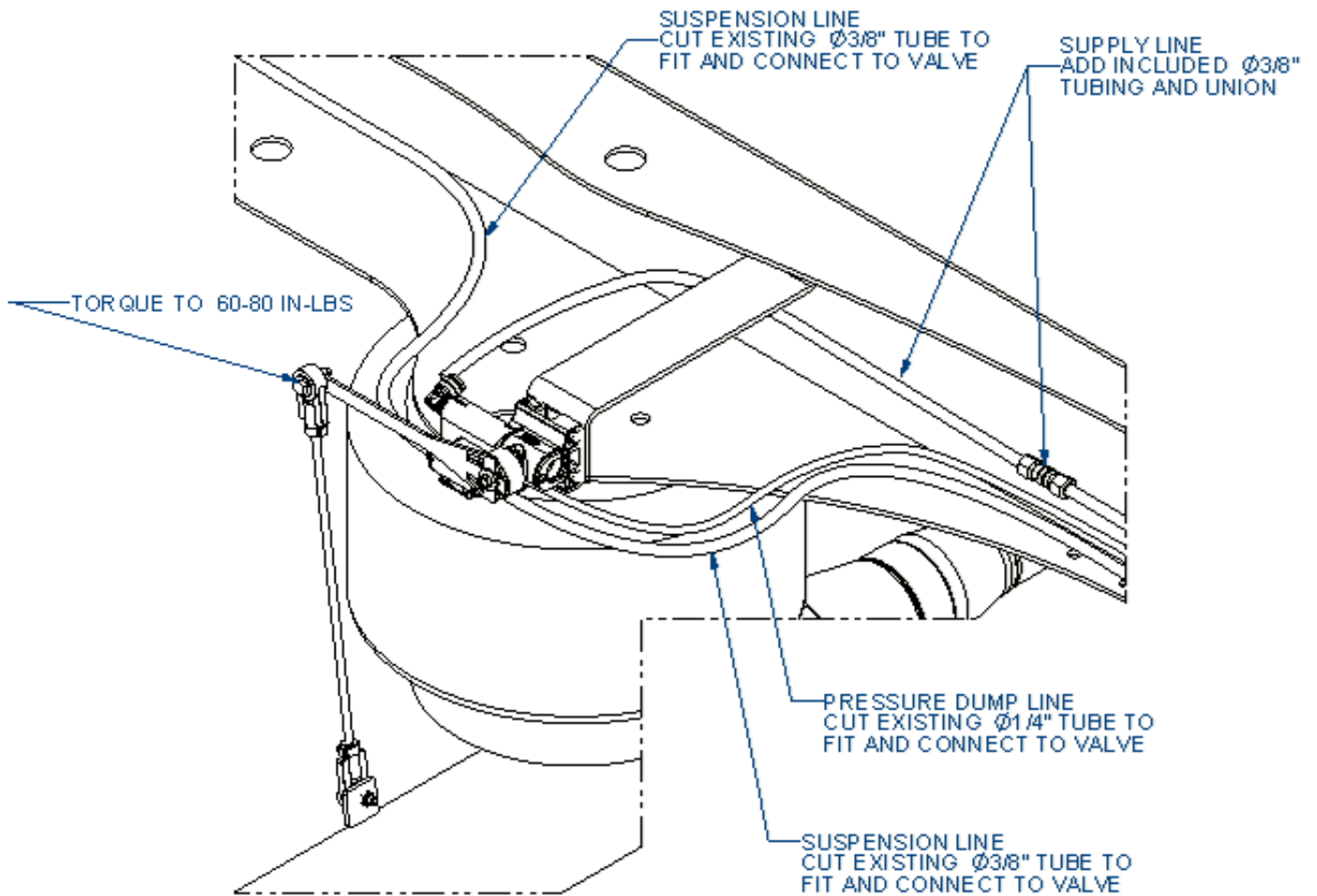


Figure 4.

