



Installation Instructions

Load Push and Load Push/Pull (Basic non-sideshifting models) L5B, L7B, P5B, P7B

CAUTION



Rated capacity of the truck/attachment combination is a responsibility of the original truck manufacturer and may be less than shown on the attachment nameplate. Consult the truck nameplate.

Truck Requirements

Truck relief valve setting: 1750-1800 psi min. (refer to your truck service manual to obtain this setting).

Recommended hose and fitting size: No. 6

Inspect truck carriage. Upper crossbar locating notches must not be damaged. Carriage faceplates should be smooth, straight, and without metal projections. The lower crossbar should be flat within 0.125 inch.

Prior To Installation

Using a suitable hoist and chain, lift the attachment by the **baseplate** and set the attachment in an upright position on a pallet. See Figure 1.



WARNING: Do not lift the attachment by the **faceplate**. The faceplate may extend while you are lifting and damage to the attachment or personal injury may result.

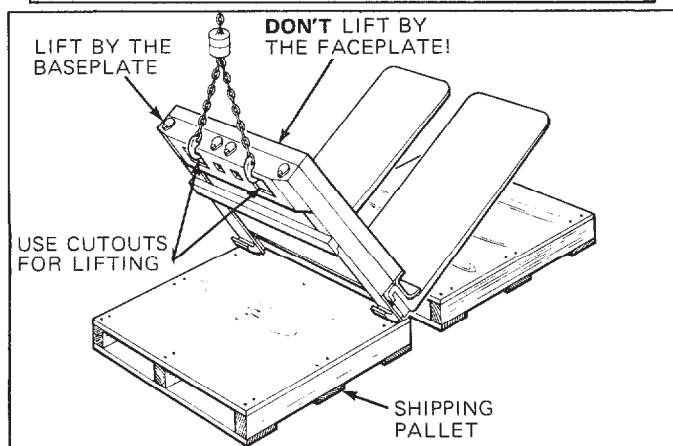


Figure 1. Lift the Attachment by the Baseplate

Plumbing

1. Install Cascade Attachment Installation Kit No. C-663589 OR plumb No. 6 (minimum) hoses to the truck junction block. See Figure 2. Do not pinch, twist, or otherwise damage the hoses.

IMPORTANT

In order to conform to industry standard practice, the hoses should be connected to the truck auxiliary valve as indicated by the following chart.

| Attachment Movement | Motion of the operator's hand when actuating the truck auxiliary control handle while facing the load. |
|---------------------|--|
| Push (forward) | Forward or Down |
| Pull (rearward) | Rearward or Up |

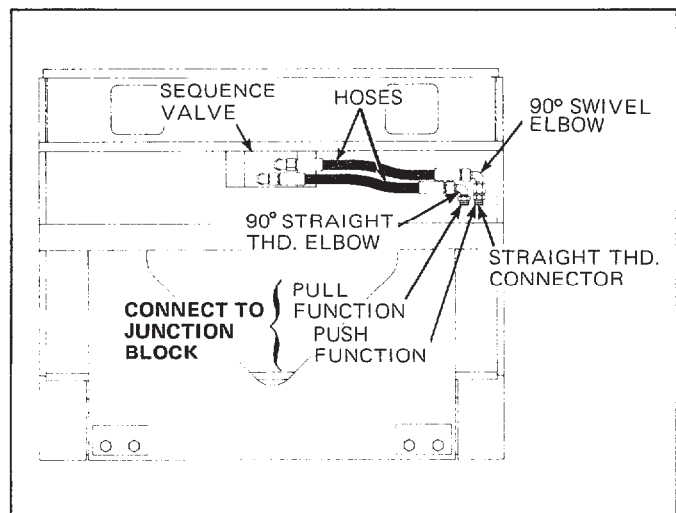


Figure 2. Plumbing for a Basic (non-sideshifting) Attachment

2. Flush the hoses according to the following procedures to prevent damage to the sequence valve and cylinders.

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- a. Connect the hose ends together using a nipple. See Figure 3.
- b. Start the truck and actuate the push/pull lever in both directions for about 30 seconds. This causes oil to carry debris left in the hoses to the truck hydraulic tank and filter.

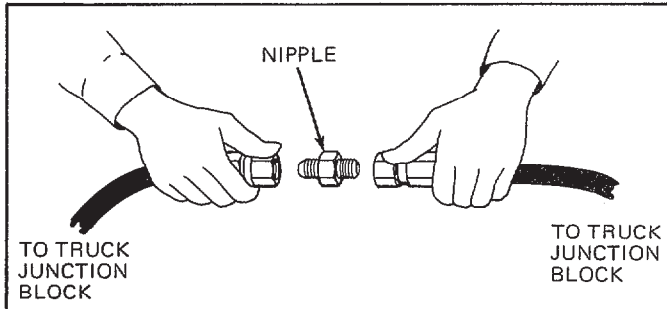


Figure 3. Connect the Two Hoses Together Using a Nipple

Installation

1. Remove the lower mounting hooks from the attachment. See Figure 4.
2. Position the truck close enough so that the hoses on the

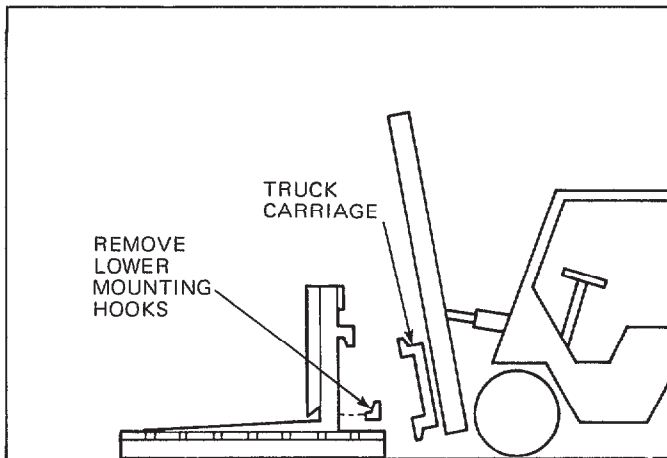


Figure 4. Position for Installation

junction block can be connected to the attachment. See Figure 4.

3. Connect the push/pull hoses to the sequence valve as shown in Figure 2.

NOTE: Make sure the hoses are routed together and connected to the proper ports.

4. Raise the truck carriage into position, aligning the centering block on the attachment with the center notch on the truck carriage.
5. Install the lower mounting hooks and torque the capscrews to 58-63 ft.-lbs.

Prior To Operation

Remove air which may have entered the hydraulic system according to the following procedures:

1. Power the faceplate to the fully extended position. Don't be alarmed if the faceplate extends irregularly or at an angle.
2. Keep the control handle to the "extend" position for 10-20 seconds to circulate oil throughout the system. This forces air to the truck reservoir. Retract the faceplate fully, then repeat. In most cases, two cycles of this operation will bleed the air from the system.
3. As a check, while the faceplate is extended, grab the faceplate and shove it from side to side while watching both push cylinders. The cylinder rods should not move. If either cylinder rod is "spongy", the system still contains some air. Repeat step 2 as required.

Make sure the tips of the platens or forks are at the same level and are about 1-½ inch below the faceplate or gripper jaw with the faceplate extended. If the tips are not properly aligned, you may have to grind the heel of a platen or fork to lower its tip or add weld to the heel to raise its tip. See Figure 5.

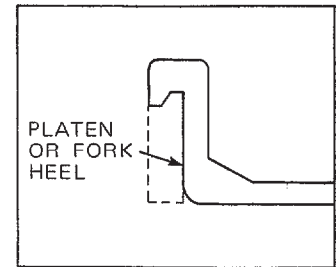


Figure 5. Platen/Fork Heel



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you need answered
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