

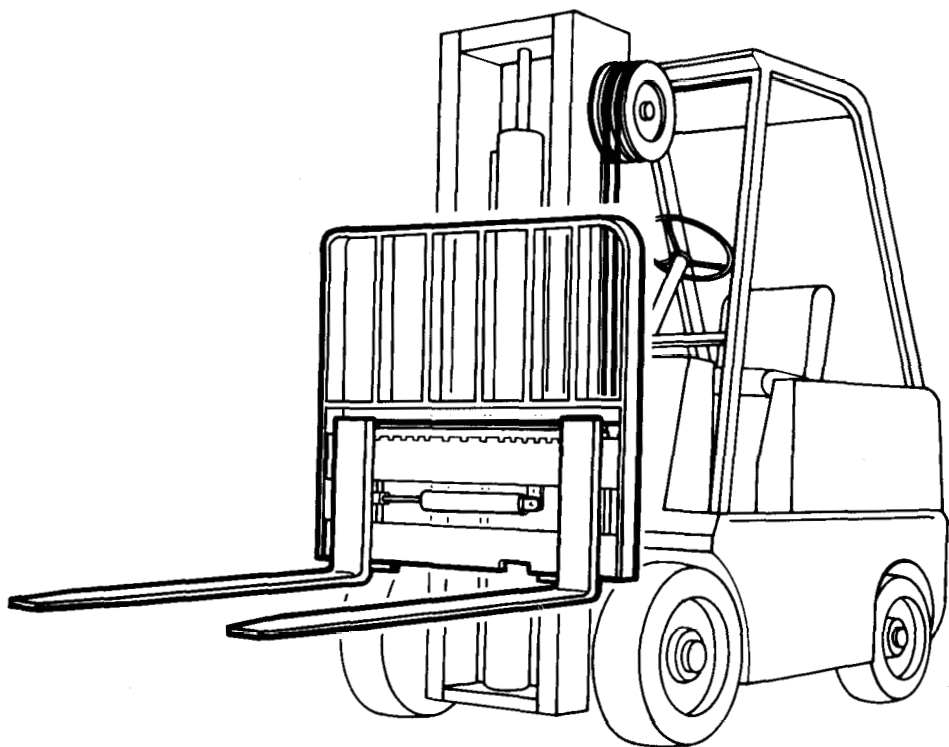


# Operator's Instructions

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## Sideshift Carriage

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Manual Number 664593

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**cascade<sup>®</sup>**  
**corporation**

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## INTRODUCTION

These operating instructions cover all of Cascade's line of sideshift carriages, including the 'S' series and the 30C, 55C, and 100C series.

Before using the sideshift carriage on the job, determine which truck lever operates the sideshift carriage. Determine which movements of the lever shifts the carriage right and left.

The illustration below will help you locate and identify lift truck and attachment components. For additional information on installation and servicing, refer to the Cascade Sideshift Service Manual.

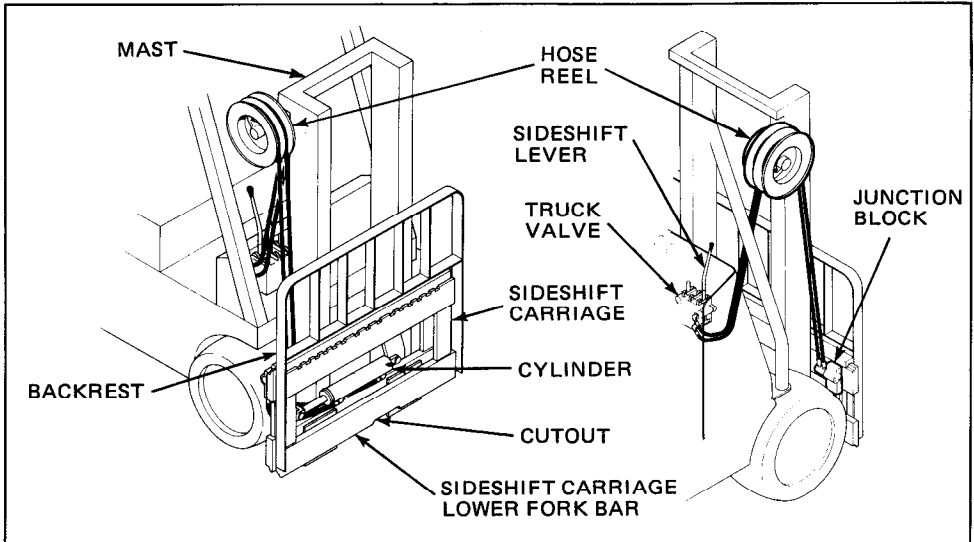


Figure 1 - Lift Truck and Attachment Components

## HOW TO INSTALL AND POSITION THE FORKS

1. Release the spring lock on the top of each fork by lifting the lever on the backside of the fork as shown in Figure 2.
2. Place each fork over the cutout in the lower fork bar of the carriage.
3. Slide the fork to the desired position.
4. Lock the fork in place by pushing the lever down as shown in Figure 3, making sure the pin is engaged in the notch.

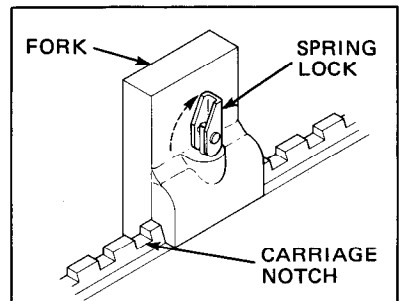


Figure 2 - Release the Spring Lock

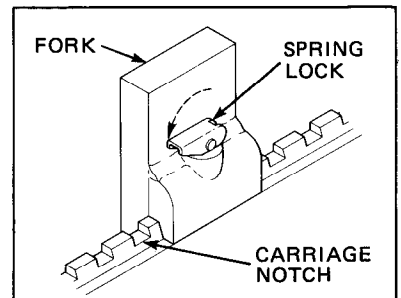


Figure 3 - Lock Fork in Place

## REPOSITIONING THE FORKS

1. Release the spring lock on the top of the fork by lifting the lever. See Figure 2.
2. Slide the fork to the desired position.
3. Lock the fork in place by pushing the lever down as shown in Figure 3. Make sure the pin is engaged in the notch.

## OPERATION

1. Before going on the job, shift the truck sideshift control lever one way and then the other to determine which direction the carriage moves when the lever is shifted.
2. Make sure the sideshift carriage moves smoothly throughout its travel, without binding or pinching hoses.
3. If the sideshift carriage does not operate properly, **do not take it on the job**. Check with your supervisor about needed repairs.
4. With a load on the carriage, don't sideshift more than necessary since truck stability is reduced when the load is off-center.

# **caution**

- OSHA or state regulations may require the installation of backrests. If your sideshifter does not have a backrest, ask your supervisor to compare your use of the sideshift carriage with OSHA requirements.
- Be sure load heights do not exceed the height of the backrest.
- Never carry a load on a sideshift carriage greater than the rated capacity shown on the truck nameplate and on the following chart:

| Model | Capacity Pounds @ Load Center |
|-------|-------------------------------|
| 30C   | 3,000 lbs. @ 24 inch          |
| 55C   | 5,500 lbs. @ 24 inch          |
| 100C  | 10,000 lbs. @ 24 inch         |
| S2S   | 2,850 lbs. @ 24 inch          |
| S4S   | 5,000 lbs. @ 24 inch          |
| S6S   | 10,000 lbs. @ 24 inch         |
| S7S   | 14,000 lbs. @ 24 inch         |

- Avoid rapid or jerky sideshifting movements, especially when the sideshift carriage is loaded.
- After picking up a load always center the sideshift carriage prior to traveling.
- Whenever possible sideshift the load with the mast lowered. Keep sideshifting to a minimum when the mast is extended.
- When removing forks from the sideshift carriage, handle with care to avoid dropping on fingers or feet.
- Make sure the total capacity of the forks is equal to or greater than the load. Capacity is stamped on each fork. Determine total capacity by adding each fork capacity together.

## **SAFETY FIRST**

- ⚠** Operator must be properly trained and qualified.
- ⚠** Drive carefully and observe traffic rules. Be in full control of the truck at all times. Avoid ruts, bumps and other hazards that may cause the truck to swerve or tip.
- ⚠** Travel slowly around corners. Sound horn on blind corners. Be careful of tail swing and overhead clearances. Watch where you are going, whether in forward or reverse. Avoid sudden stops and starts.
- ⚠** Never leave a lift truck unattended without lowering the load, setting the brake, and turning the truck off.
- ⚠** Do not allow riders on the forks or truck at any time.
- ⚠** Never allow anyone under a load or under the carriage.
- ⚠** Never reach through the mast. Keep all parts of your body inside the driver's compartment.
- ⚠** Transport a load with the carriage lowered to 3 to 4 inches above the floor and the mast tilted back.
- ⚠** Limit the amount of truck maneuvering to a minimum when high-stacking a load.
- ⚠** Report all damaged or faulty equipment. Do not operate a lift truck until repairs have been made.
- ⚠** Do not turn on an incline. Always back down ramps or inclines. Driving with a load forward down a ramp or incline will lessen the truck's stability.
- ⚠** If in doubt about any procedure in this book, ask your supervisor.

