OPERATOR'S GUIDE

Rotators
& Bin Retainer

Original Instructions

Number 782008-R3 EN

CE

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WARNING: 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.

WARNING: Do not operate this attachment unless you are a trained and authorized lift truck driver.

CAUTION: This guide shows load handling procedures for most products. Ask your company or organization about any special procedures for the loads you may be handling.

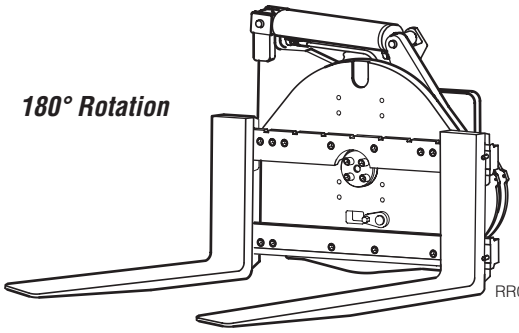
INTRODUCTION

Rotators – Cascade Rotators are designed to tip and dump a wide variety of fork loads.

About this Guide – This guide is prepared to simplify your understanding about efficient and safe Rotator use and operation. Please read the guide thoroughly before operating the attachment. Be sure you know and understand all operating procedures and safety precautions. If you have any questions, or don't understand a procedure, ask your supervisor.

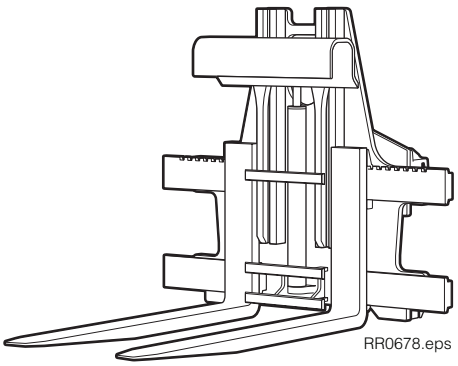
Emphasize Safety! Most accidents are caused by operator carelessness or misjudgement. You must watch for hazardous situations and correct them.

180° Rotation



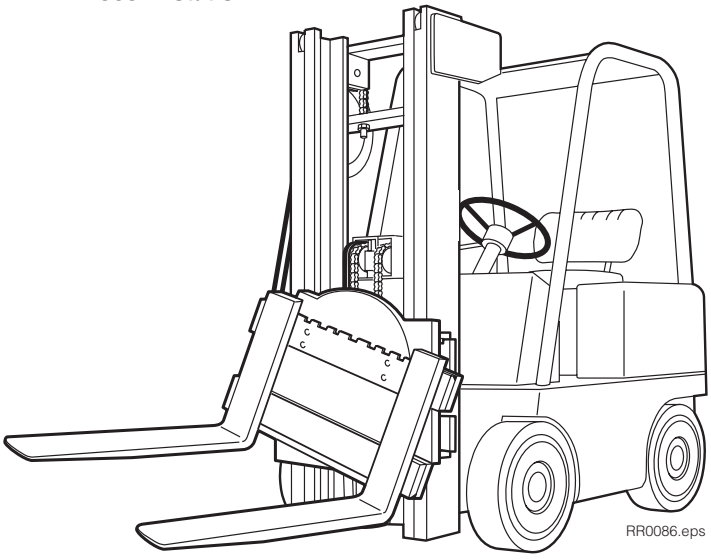
RR0088.eps

360° Rotation with Bin Retainer



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360° Rotation



RR0086.eps

SAFETY RULES

Industrial Lift Trucks

No riders



No reaching through mast



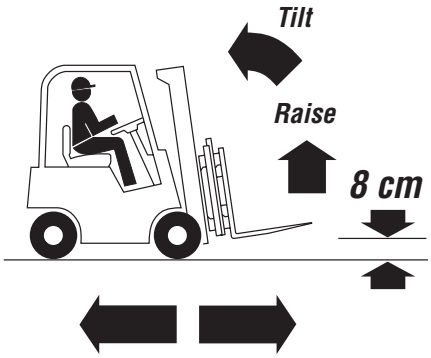
No standing under load



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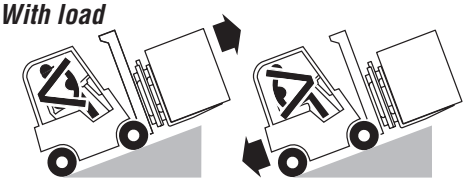


Motor off, park, lower load

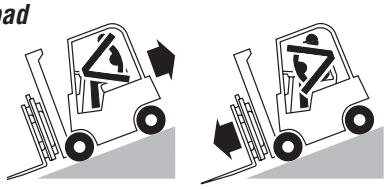


Traveling
Empty

With load



No load



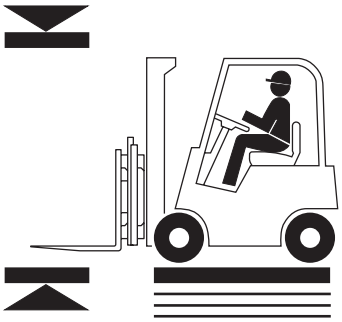
RAMPS



No parking on ramp



No turning on ramp



Watch clearances

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TRAFFIC



Observe



Workers



Stops



Wet floors



Bumps



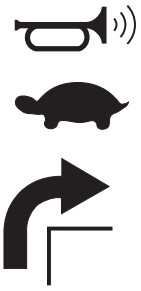
Dips



Slow for
two way traffic



Sound horn, slow
at intersection



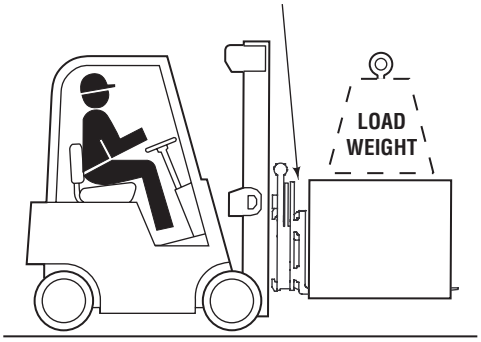
Sound horn, slow
at corner

Top of load must not extend above frame.

Do not rotate in immediate vicinity of other people.



Limit truck movement with raised load.



Load weight must not exceed combined truck/attachment capacity (see truck nameplate).

Total fork capacity (LH + RH fork) must be greater than load weight. Check capacity stamp on forks.

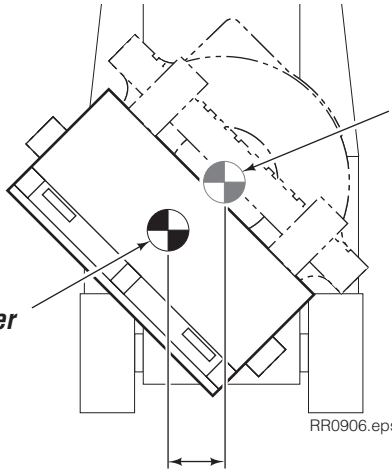
Rotate elevated loads slowly.



Captive fork slots required.

Fast rotation affects truck stability.

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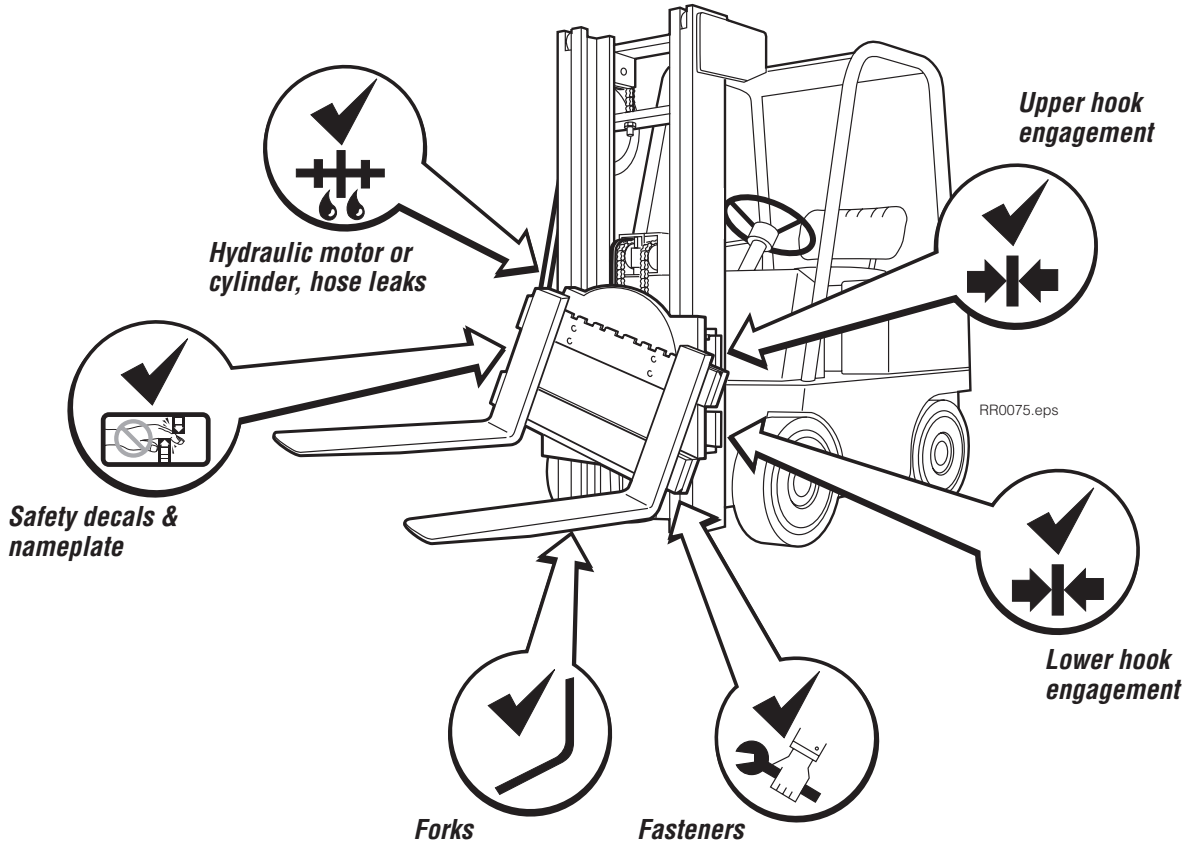


Position the load center of gravity as close as possible to the center of rotation to minimize lateral offset.

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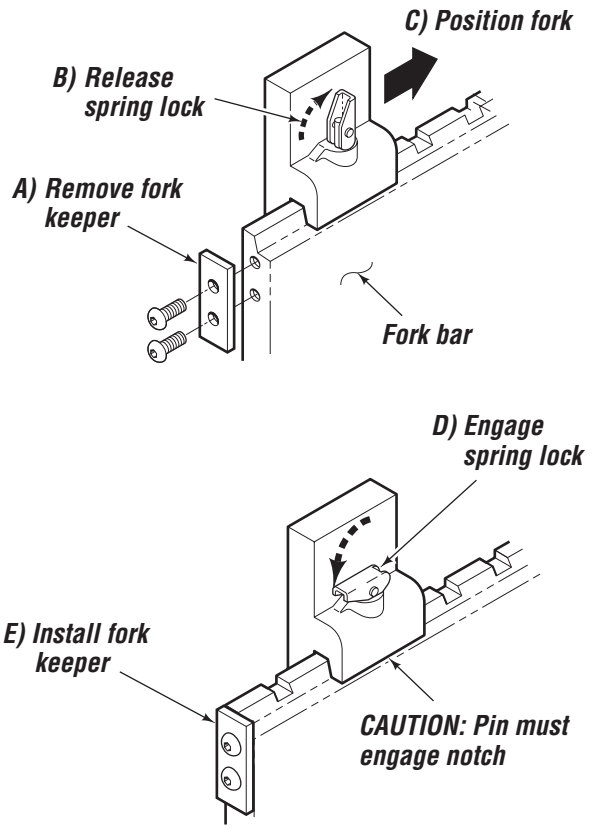
DAILY INSPECTION

Check items each day. Report problems to your supervisor. See the Service Manual for maintenance and repair procedures.

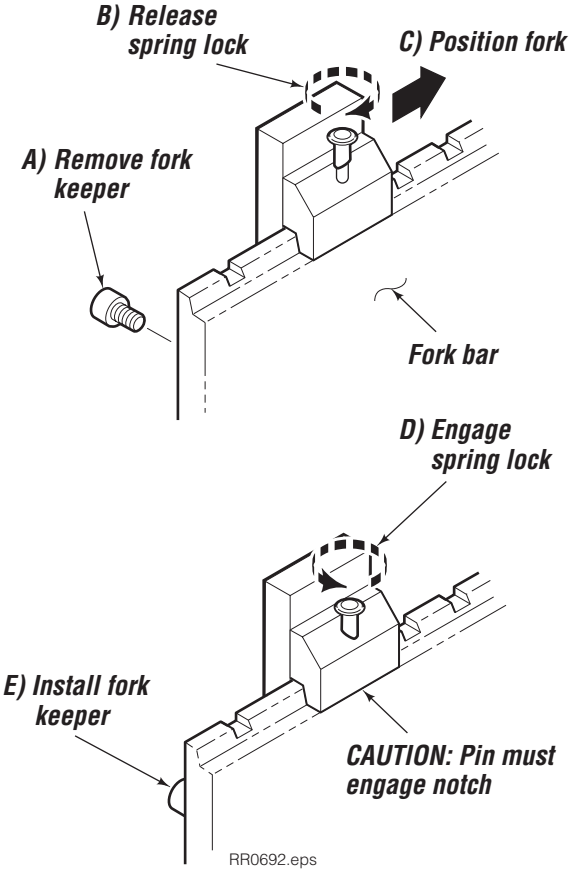


INSTALL, POSITION and LOCK FORKS

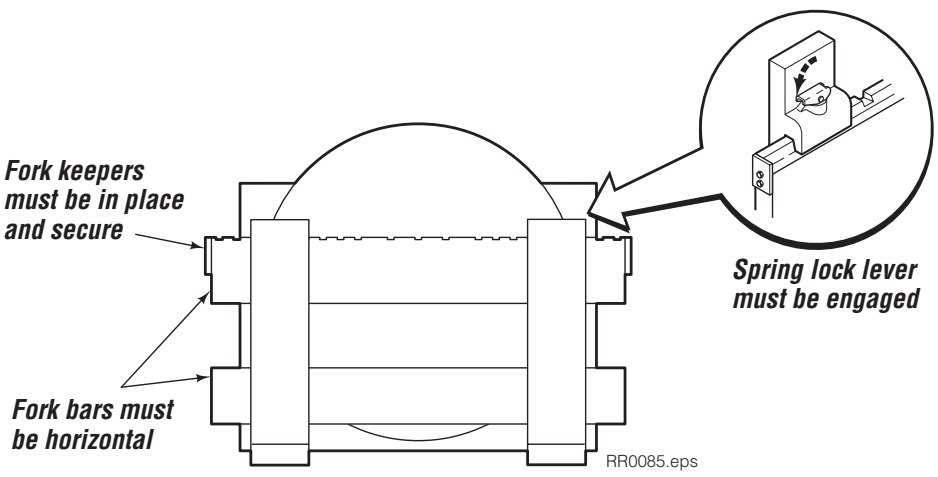
Lever Type Fork Lock

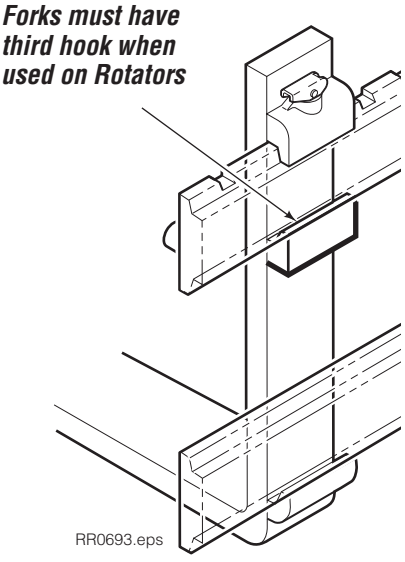


Twist Type Fork Lock



WARNING: Handle forks with care to avoid pinching fingers or dropping on feet.

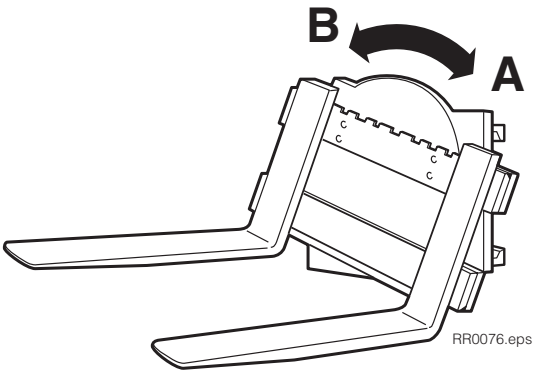




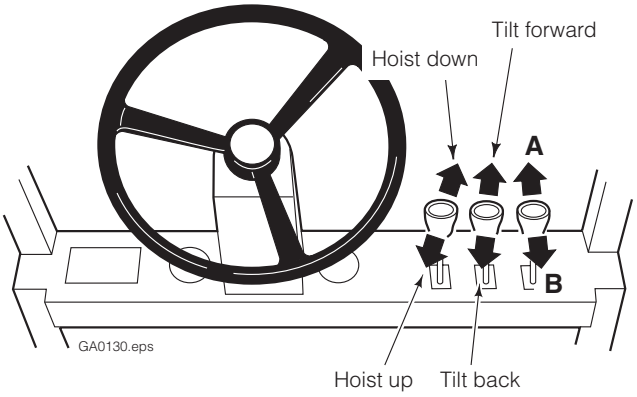
ROTATORS

A *Rotate Counterclockwise (CCW)*

B *Rotate Clockwise (CW)*



AUXILIARY VALVE FUNCTIONS



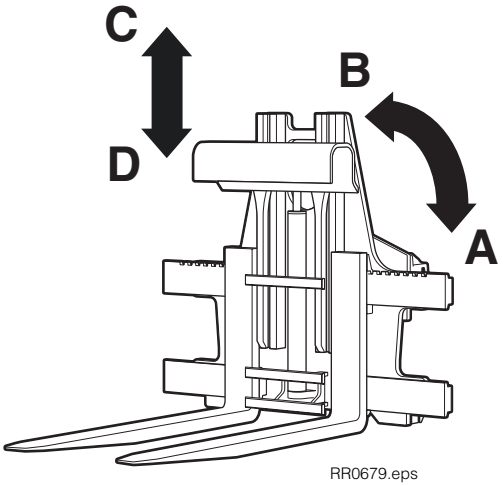
ROTATOR with BIN RETAINER

A *Rotate Counterclockwise (CCW)*

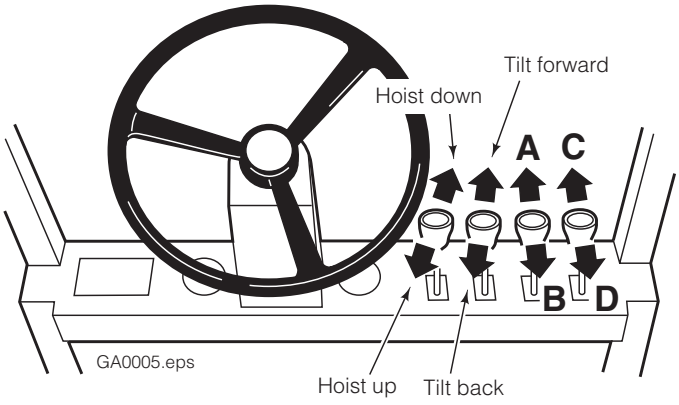
B *Rotate Clockwise (CW)*

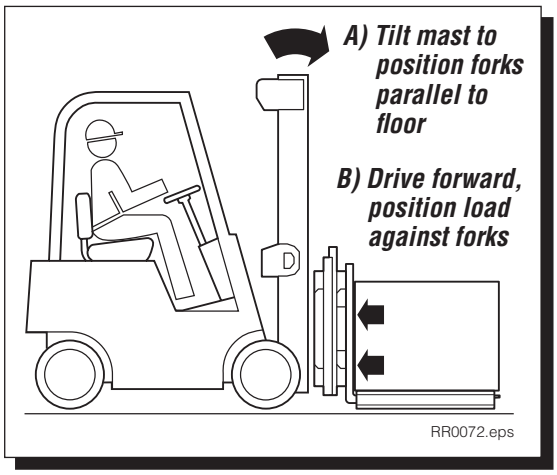
C *Release*

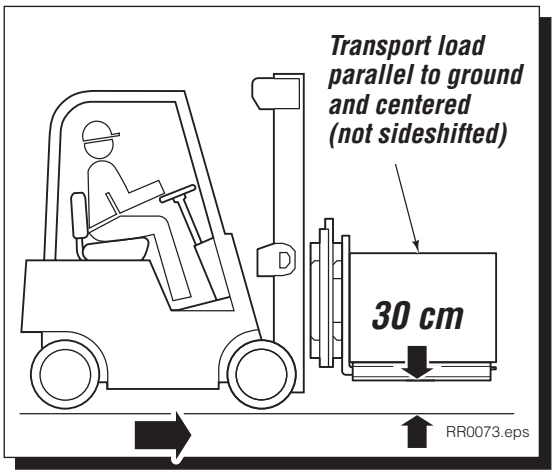
D *Clamp*

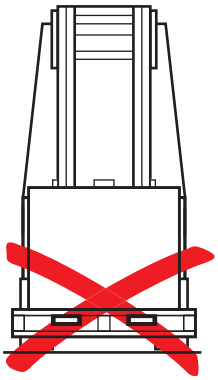


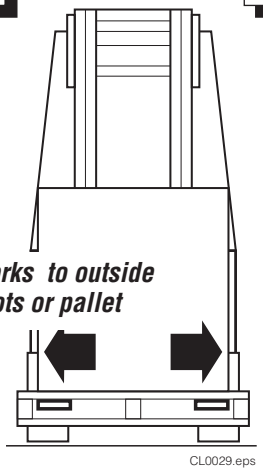
AUXILIARY VALVE FUNCTIONS

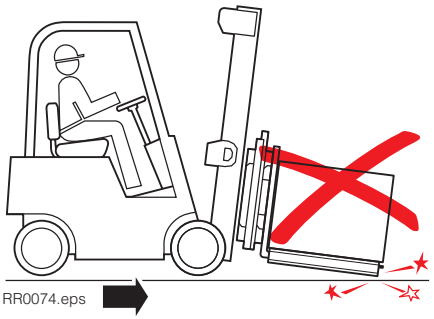


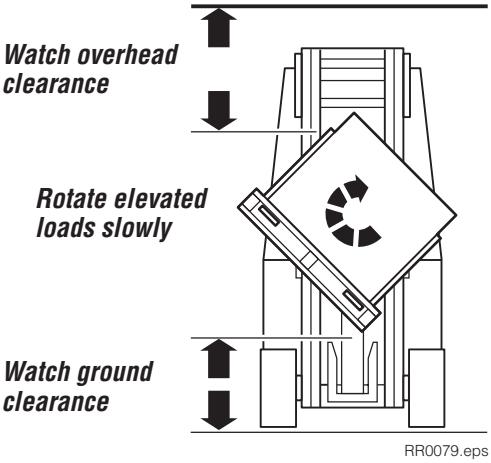

A) Tilt mast to position forks parallel to floor
B) Drive forward, position load against forks
RR0072.eps

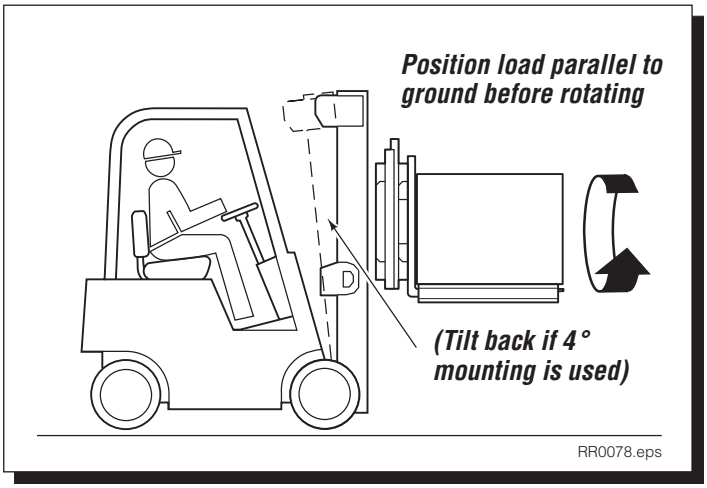

Transport load parallel to ground and centered (not sideshifted)
30 cm
RR0073.eps


CL0028.eps

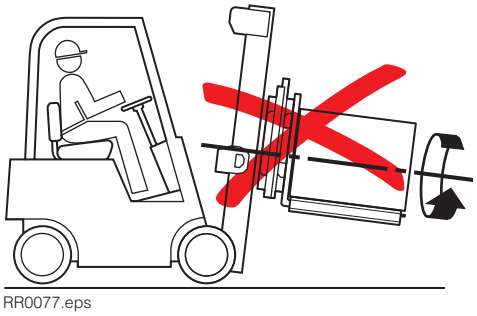

C) Position forks to outside edge of slots or pallet
CL0029.eps


RR0074.eps



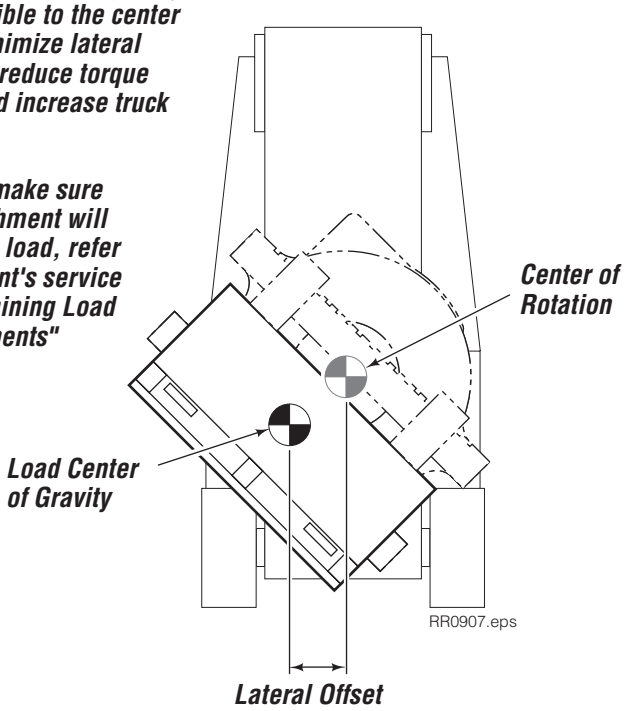


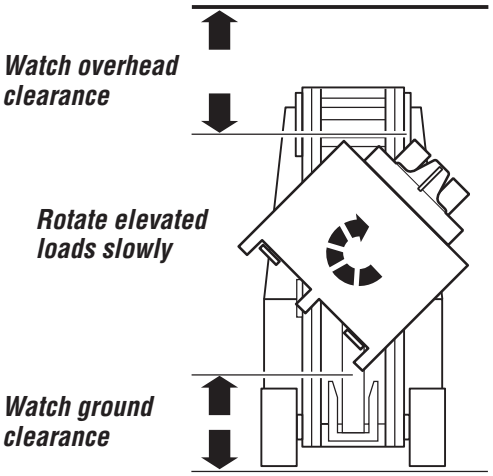




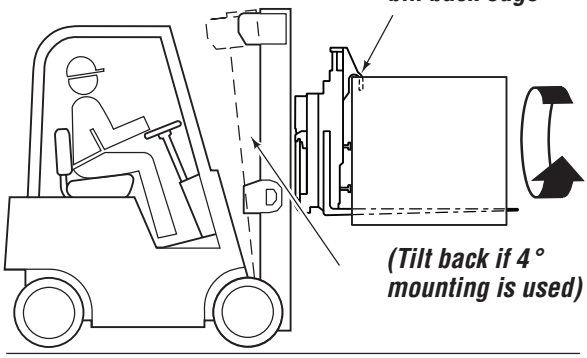
Position the load center of gravity as close as possible to the center of rotation to minimize lateral offset. This will reduce torque requirements and increase truck stability.

IMPORTANT: To make sure you rotator attachment will handle a specific load, refer to your attachment's service manual, "Determining Load Torque Requirements" section.



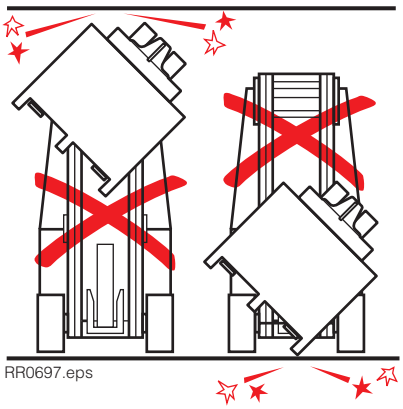


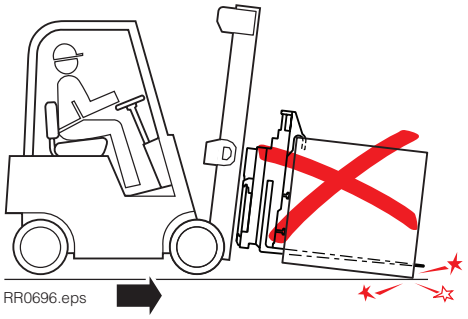
RR0694.eps



RR0695.eps

Position load parallel to ground before rotating


RR0697.eps


RR0696.eps

WARNING: When operating and maintaining industrial trucks equipped with attachments, you should pay particular attention to the following information. You should be familiar with this information for truck and attachment operation. **Ask your employer for complete operation information.**

General Requirement

Modifications and additions which affect capacity and safe operation shall not be performed by the customer or user without manufacturers prior written approval. Capacity, operation and maintenance instruction plates, tags or decals shall be changed accordingly.

If the truck is equipped with front-end attachments other than factory installed attachments, the user shall request that the truck be marked to identify the attachments and show the appropriate weight of the truck and attachment combination at maximum elevation with load laterally centered.

The user shall see that all nameplates and markings are in place and maintained in a legible condition.

Safety Guards

If the type of load presents a hazard, the user shall equip fork trucks with a vertical load backrest extension in accordance with the following.

All new powered industrial trucks acquired and used by an employer after February 15, 1972 shall meet the design and construction requirements for powered industrial trucks established in the “American National Standard for Powered Industrial Trucks, Part II, ANSI B56.1”, except for vehicles intended primarily for earth moving or over-the-road hauling.

Operator Training

Only trained and authorized operators shall be permitted to operate a powered industrial truck. Methods shall be devised to train operators in the safe operation of powered industrial trucks.

Truck Operations

Trucks shall not be driven up to anyone standing in front of a bench or other fixed object.

No person shall be allowed to stand or pass under the elevated portion of any truck, whether loaded or empty.

Unauthorized personnel shall not be permitted to ride on powered industrial trucks. A safe place to ride shall be provided where riding of trucks is authorized.

The employer shall prohibit arms or legs from being placed between the uprights of the mast or outside the running lines of the truck.

When a powered industrial truck is left unattended, load engaging means shall be fully lowered, controls shall be neutralized, power shall be shut off and brakes set. Wheels shall be blocked if the truck is parked on an incline.

A powered industrial truck is unattended when the operator is 7 meter or more away from the vehicle which remains in his view, or whenever the operator leaves the vehicle and it is not in his view.

When the operator of an industrial truck is dismounted and within 7 meter of the truck still in his view, the load engaging means shall be fully lowered, controls neutralized and the brakes set to prevent movement.

A safe distance shall be maintained from the edge of ramps or platforms while on any elevated dock or platform or freight car. Trucks shall not be used for opening or closing freight doors.

A load backrest extension shall be used whenever necessary to minimize the possibility of the load or part of it from falling rearward.

Traveling

The driver shall be required to slow down and sound the horn at cross isles and other locations where vision is obstructed. If the load being carried obstructs forward view, the driver shall be required to travel with the load trailing.

When ascending or descending grades in excess of 10 percent, loaded trucks shall be driven with the load upgrade.

On all grades the load and load engaging means shall be tilted back if applicable, and raised only as far as necessary to clear the road surface.

Loading

Only stable or safely arranged loads shall be handled. Caution shall be exercised when handling off-center loads which cannot be centered.

Only loads within the rated capacity of the truck shall be handled.

The long or high (including multiple-tiered) loads which may affect capacity shall be adjusted.

Trucks equipped with attachments shall be operated as partially loaded trucks when not handling a load.

A load engaging means shall be placed under the load as far as possible; the mast shall be carefully tilted backward to stabilize the load.

Extreme care shall be used when tilting the load forward or backward, particularly when high tiering. Tilting forward with load engaging means elevated shall be prohibited except to pick up a load. An elevated load shall not be tilted forward except when the load is in a deposit position over a rack or stack. When stacking or tiering, only enough backward tilt to stabilize the load shall be used.

Operation of the Truck

If at any time a powered industrial truck is found to be in need of repair, defective, or in any way unsafe, the truck shall be taken out of service until it has been restored to safe operating condition.

Maintenance of Industrial Trucks

Any power-operated industrial truck not in safe operating condition shall be removed from service. All repairs shall be made by authorized personnel.

All parts of any such industrial truck requiring replacement shall be replaced only by parts equivalent as to safety with those used in the original design.

Industrial trucks shall not be altered so that the relative positions of the various parts are different from what they were when originally received from the manufacturer, nor shall they be altered either by the addition of extra parts not provided by the manufacturer or by the elimination of any parts. Additional counter-weighting of fork trucks shall not be done unless approved by the truck manufacturer.

Industrial trucks shall be examined before being placed in service and shall not be placed in service if the examination shows any condition adversely affecting the safety of the vehicle. Such examinations shall be made at least daily. When industrial trucks are used on a round-the-clock basis, they shall be examined after each shift. Defects when found shall be immediately reported and corrected.

Do you have questions you need answered right now? Call your nearest Cascade Service Department.
Visit us online at www.cascorp.com

En cas de questions urgentes,
contacter leservice d'entretien Cascade le plus proche.
Visiter le site Web www.cascorp.com.

Zijn er vragen waarop u direct een antwoord nodig hebt? Neem dan contact op met uwdichtstbijzijnde serviceafdeling van Cascade. Of ga naar www.cascorp.com

Per domande urgenti contattare
l'Ufficio Assistenza Cascade più vicino.
Visitate il nostro sito all'indirizzo www.cascorp.com

Haben Sie Fragen, für die Sie sofort eine Antwort benötigen? Wenden Sie sich anIhren nächsten Cascade-Kundendienst.
Besuchen Sie uns online: www.cascorp.com

¿Tiene alguna consulta que deba ser respondida de inmediato? Llame por teléfonoal servicio técnico de Cascade más cercano. Visítenos en www.cascorp.com

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