

# ***U*** ***SER MANUAL***

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## ***55A False Carriage***



***Manual Number 6097727-R1***

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

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## I NTRODUCTION

This User Manual is for the Cascade 55A False Carriage or Fork Positioner. Contents include an Operator's Guide, Installation Instructions, Periodic Maintenance and Parts Manual. All specifications are shown in U.S. and (Metric) units where applicable.

**IMPORTANT:** The 55A attachment is metric.

## Special Definitions

The statements shown appear throughout this Manual where special emphasis is required. Read all **WARNINGS** and **CAUTIONS** before proceeding with any work. Statements labeled **IMPORTANT** and **NOTE** are provided as additional information of special significance or to make the job easier.



**WARNING** – A statement preceded by **WARNING** is information that should be acted upon to prevent **bodily injury**. A **WARNING** is always inside a ruled box.



**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** – A statement preceded by **CAUTION** is information that should be acted upon to prevent machine damage.

**IMPORTANT** – A statement preceded by **IMPORTANT** is information that possesses special significance.

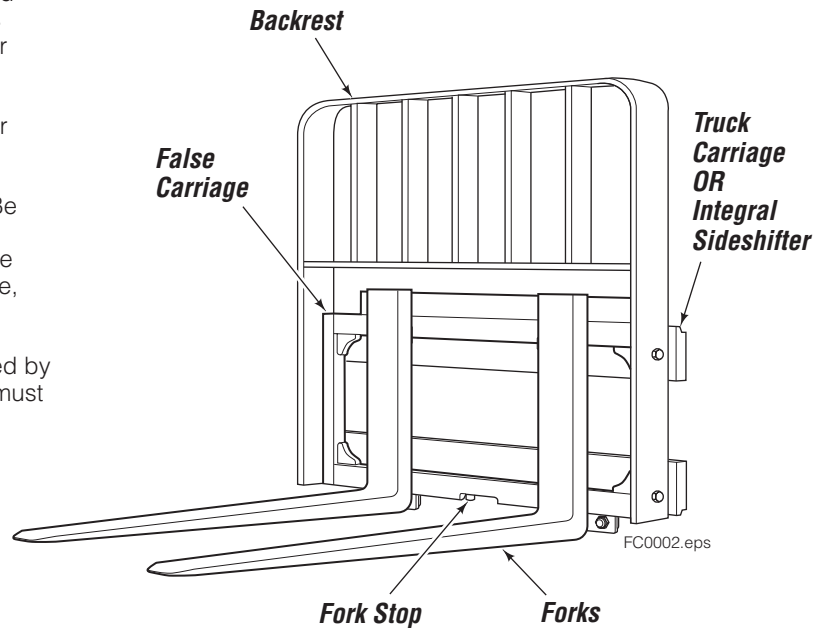
**NOTE** – A statement preceded by **NOTE** is information that is handy to know and may make the job easier.

# 0 PERATION

This Section contains operating instructions for the Cascade 55A False Carriage with Forks and Backrest. It will help you avoid common errors which often cause damage to the equipment or product being handled.

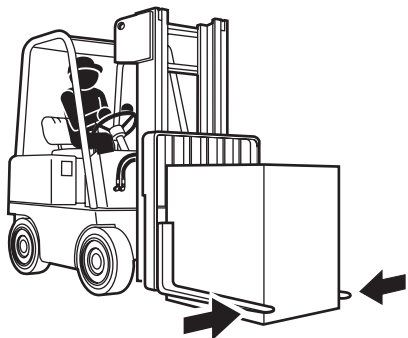
This information is intended to simplify operator understanding about effective and safe Fork handling and operation. Read this information thoroughly before operating the Attachment. Be sure you know and understand all operating procedures and safety precautions. If you have any questions, or don't understand a procedure, ask your supervisor.

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

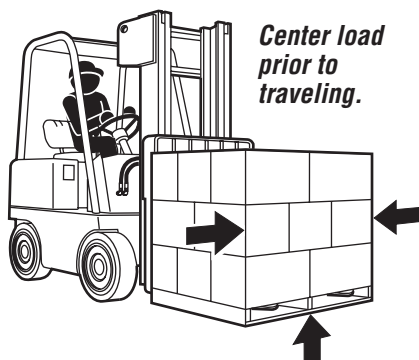


# 0 PERATION

## Safety Rules – Handling Loads



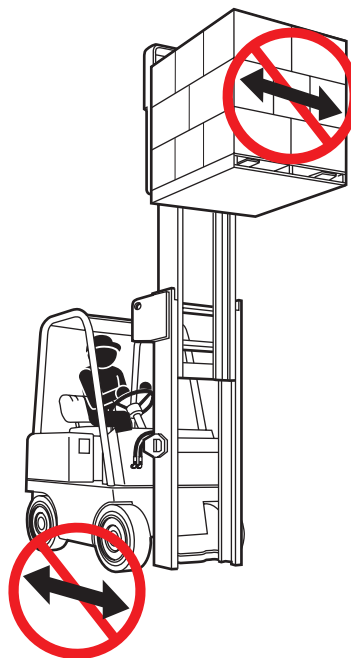
**CAUTION: Do not put side loads on forks.**



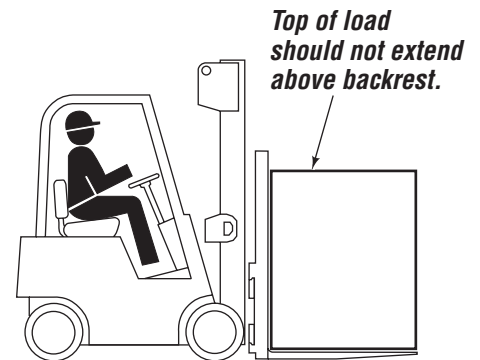
**Center load prior to traveling.**

**Raise load prior to sideshifting.**

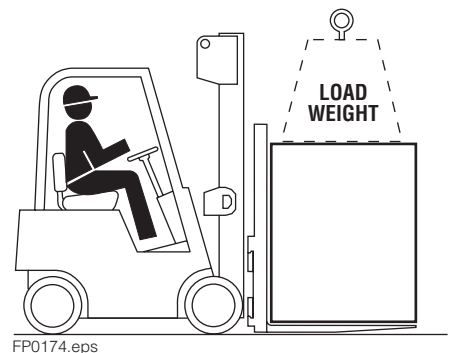
**Limit sideshifting with raised load.**



**Limit truck movement with raised load.**



**Top of load should not extend above backrest.**



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**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.**

**No riders**



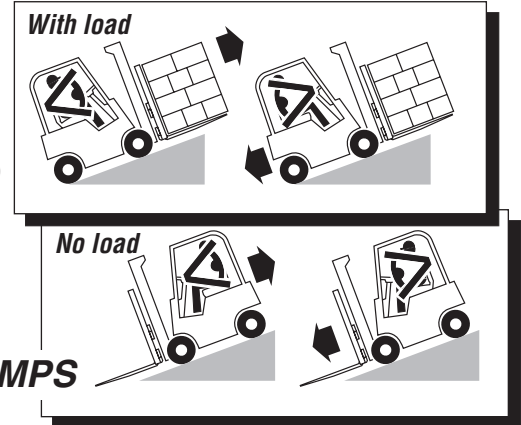
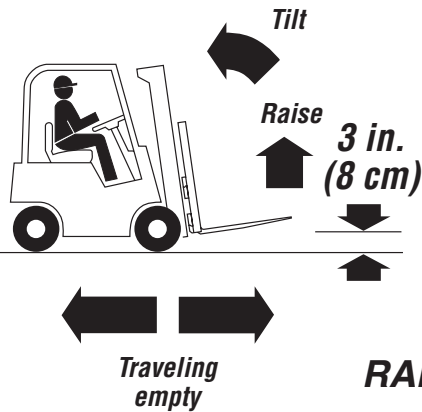
**No reaching through mast**



**No standing under load**



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### TRAFFIC



**Observe**



**Wet floors**



**Workers**



**Stops**



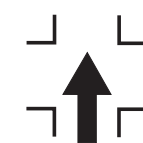
**Bumps**



**Dips**



**Slow for two-way traffic**



**Sound horn, slow at intersection**



**Sound horn, slow at corner**



# SAFE OPERATION AND MAINTENANCE

## OSHA Regulations – Industrial Trucks and Attachments (Specific Regulations from OSHA 1910.178)



**WARNING:** The safe operation and maintenance of industrial trucks is regulated by Occupational Safety and Health (OSHA) regulations 1910.178 and American National Standards Institute (ANSI) Safety Standard for Powered Industrial Trucks, ANSI B56.1. When operating and maintaining industrial trucks equipped with attachments you should pay particular attention to the following sections of these regulations. You should be familiar with **all** sections of these regulations. **Ask your employer for the complete regulations.**

### (a) General Requirement

- (4) 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.
- (5) 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.
- (6) The user shall see that all nameplates and markings are in place and maintained in a legible condition.

### (e) Safety Guards

- (2) If the type of load presents a hazard, the user shall equip fork trucks with a vertical load backrest extension in accordance with (a)(2) following.  
(a)(2) 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.

### (l) 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.

### (m) Truck Operations

- (1) Trucks shall not be driven up to anyone standing in front of a bench or other fixed object.
- (2) No person shall be allowed to stand or pass under the elevated portion of any truck, whether loaded or empty.
- (3) 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.
- (4) The employer shall prohibit arms or legs from being placed between the uprights of the mast or outside the running lines of the truck.
- (5i) 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.
- (5ii) A powered industrial truck is unattended when the operator is 25 feet 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.
- (5iii) When the operator of an industrial truck is dismounted and within 25 feet of the truck still in his view, the load engaging means shall be fully lowered, controls neutralized and the brakes set to prevent movement.

- (6) 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.
- (10) A load backrest extension shall be used whenever necessary to minimize the possibility of the load or part of it from falling rearward.

### (n) Traveling

- (4) 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.
- (7i) When ascending or descending grades in excess of 10 percent, loaded trucks shall be driven with the load upgrade.
- (7iii) 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.

### (o) Loading

- (1) Only stable or safely arranged loads shall be handled. Caution shall be exercised when handling off-center loads which cannot be centered.
- (2) Only loads within the rated capacity of the truck shall be handled.
- (3) The long or high (including multiple-tiered) loads which may affect capacity shall be adjusted.
- (4) Trucks equipped with attachments shall be operated as partially loaded trucks when not handling a load.
- (5) 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.
- (6) 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.

### (p) Operation of the Truck

- (1) 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.

### (q) Maintenance of Industrial Trucks

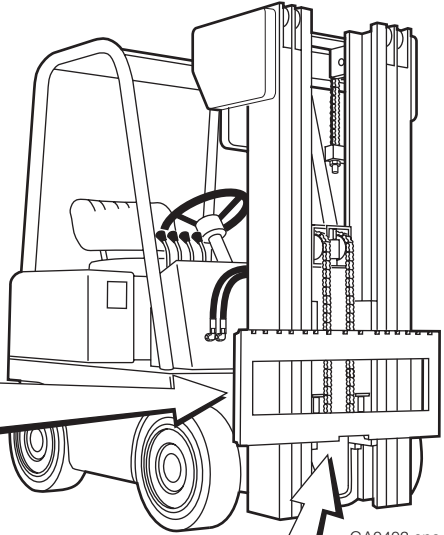
- (1) Any power-operated industrial truck not in safe operating condition shall be removed from service. All repairs shall be made by authorized personnel.
- (5) All parts of any such industrial truck requiring replacement shall be replaced only by parts equivalent as to safety with those used in the original design.
- (6) 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.
- (7) 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.



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**Carriage Mount Dimension (A) ITA (ISO)**

	Minimum	Maximum
<b>Class II</b>	14.94 in. (380.0 mm)	15.00 in. (381.0 mm)

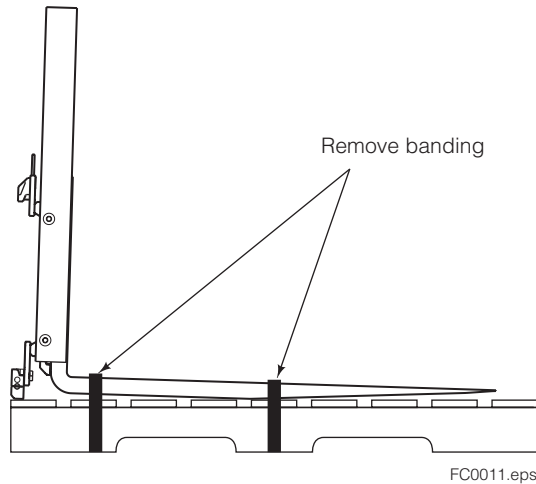


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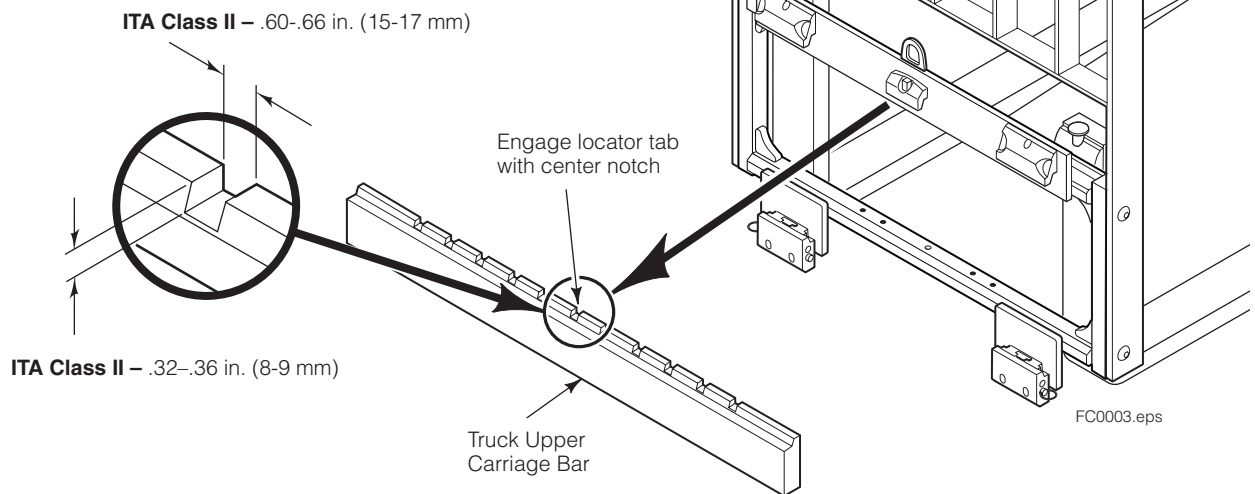
**Carriage** – Clean and inspect carriage bars. Bars must be parallel and ends flush. Grind smooth any protruding welds that may affect lower hook engagement. Repair any damaged notches.

# INSTALLATION

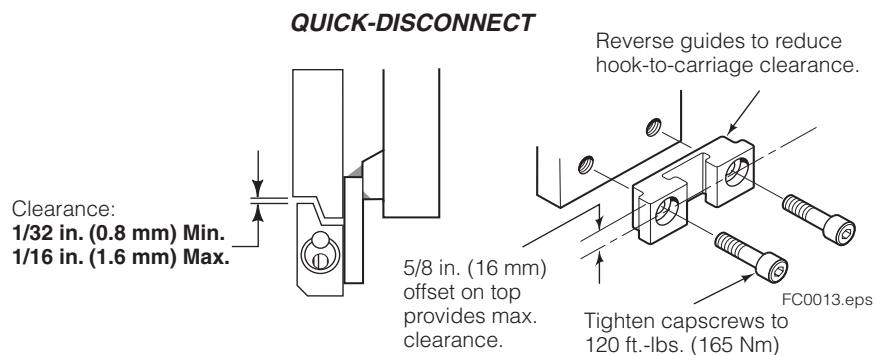
## 1 Remove banding



## 2 Mount unit on truck carriage



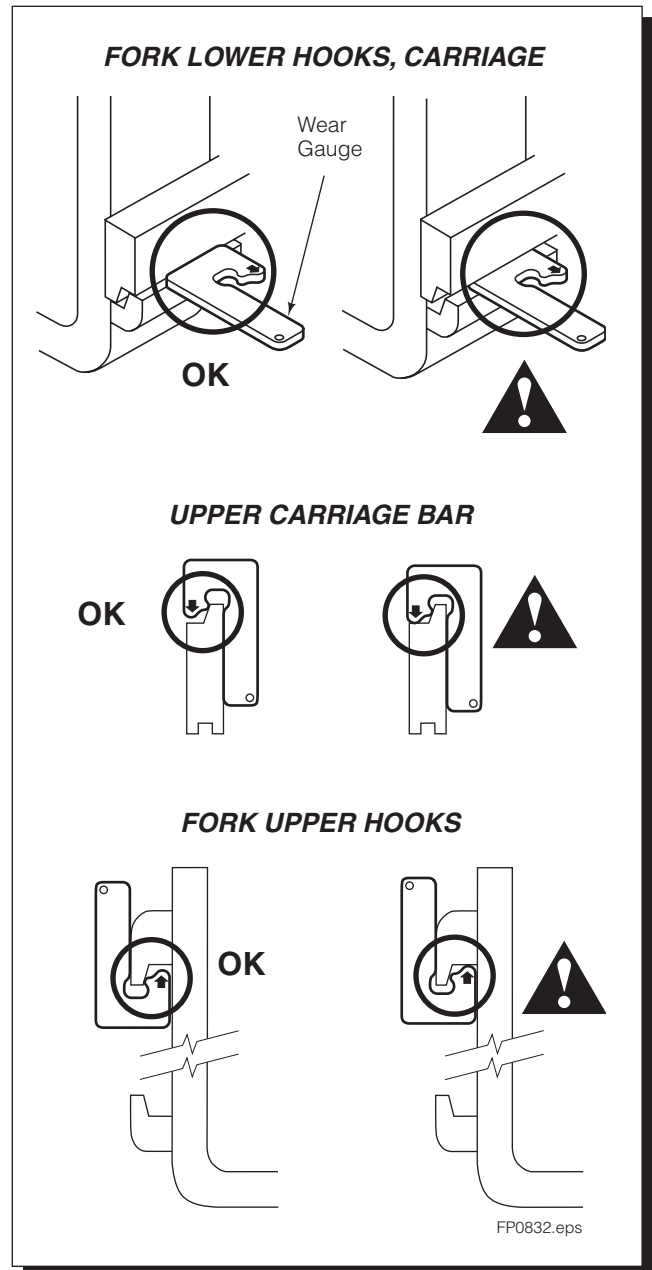
## 3 Install lower hooks



## 4 Inspect fork hooks, carriage bar clearance

**NOTE:** Use Go/No Go Wear Gauge Part No. 209560 (Class II).

- A** Inspect the fork lower hooks and carriage bar. If the gauge fits between the carriage bar and lower hook, repair or replacement is needed.
- B** Inspect the upper carriage bar. If the gauge arrow touches the carriage bar, repair or replacement is needed.
- C** Inspect the fork upper hooks. If the gauge arrow touches the hook, repair or replacement is needed.





### Daily

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

### 100-Hour

Every time the lift truck is serviced or every 100 hours of truck operation, whichever comes first, complete the following maintenance procedures:

- Inspect lower hooks for wear and proper clearance. Adjust if necessary (see Installation, Step 3).
- Tighten lower hook capscrews to 120 ft.-lbs. (165 Nm).
- Tighten lower fork stop capscrew to 25 ft.-lbs. (35 Nm).

### 300-Hour

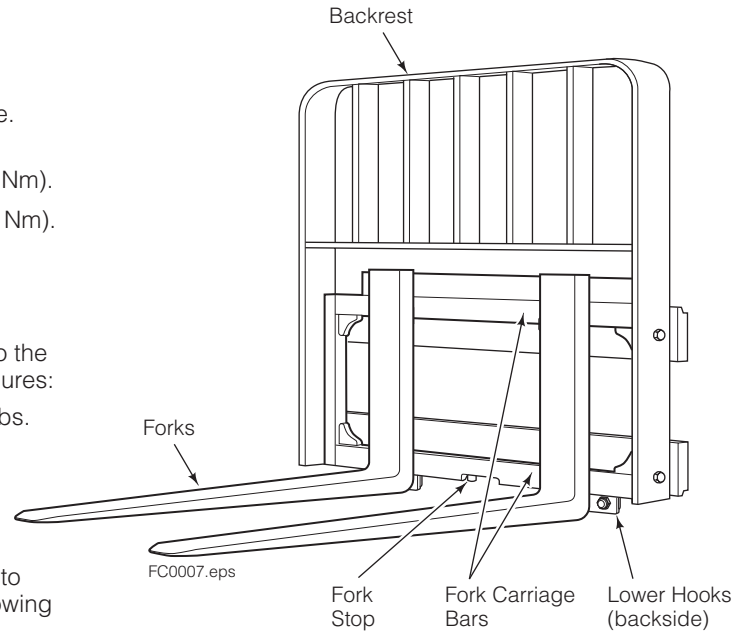
After each 300 hours of truck operation, in addition to the 100-hour maintenance, perform the following procedures:

- Tighten backrest capscrews (Cascade) to 145 ft.-lbs. (195 ft.-lbs.).

### 1000-Hour

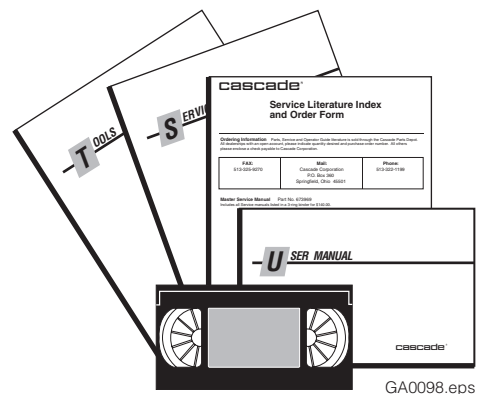
After each 1000 hours of truck operation, in addition to the 100 and 300-hour maintenance, perform the following procedures:

- Inspect forks and carriage bars for wear.  
**NOTE:** Cascade fork safety kit 3014162 available with wear calipers, inspection sheets and safety poster. Also available Cascade fork hook & carriage bar wear gauge 209560 (CL II).



## Publications

PART NO.	DESCRIPTION
6097727	User Manual
679929	Tool Catalog
673964	Literature Order Form



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