(Supersedes LO 10-3930-627-12-1, 14 JANUARY 1972, and -2, 3 JUNE 1971)

### TRUCK, FORK, LIFT; GASOLINE, PNEUMATIC

## TIRED WHEELS; 4,000 LB CAPACITY, 144-INCH LIFT

### HEIGHT (BAKER MODEL FJF-040, ARMY MODEL

MH E221)

(NSN 3930-00-151-4428)

Reference: TM 10-3930-627-12, and FEDERAL SUPPLY CATALOG C9100-IL.

Hard time intervals and the related man- hour times are based on normal operation. The man-hour time specified is the time you need to do all the services prescribed for a particular interval. Change the hard time interval if your lubricants are contaminated or if you are operating the equipment under adverse operating conditions, including longer- than-usual operating hours. The hard time interval may be extended during periods of low activity. If extended, adequate preservation precautions must be taken.

#### **WARNING**

Dry cleaning fluid is flammable. Do not use near a flame or excessive heat. Use only with adequate ventilation. Avoid prolonged breathing of vapors and minimize skin contact.

Clean parts or fittings with dry cleaning solvent (SD), Type II or equivalent. Dry before lubricating. Dotted arrow shafts indicate lubrication on both sides of equipment. A dotted circle indicates a drain below. Relubricate all items found contaminated after fording or washing.

The lowest level of maintenance authorized to lubricate a point is indicated by one of the following symbols as appropriate: Operator/Crew (C); and Organizational Maintenance (O).

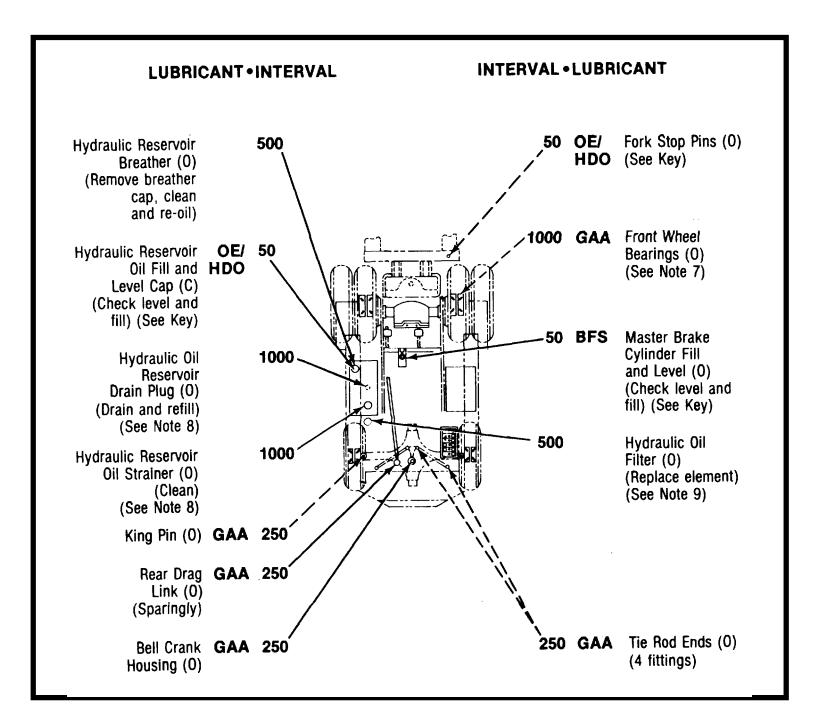
Reporting errors and recommending improvements. You can help improve this manual. If you find any mistakes, or if you know of a way to improve the procedures, please let us know. Mail your letter or DA Form 2028 (Recommended Changes to Publications and Blank Forms) direct to: Commander, US Army Tank-Automotive Command, ATTN: DRSTA-MB, Warren, MI 48090. A reply will be furnished to you.

\*The time specified is the time required to perform all services at the particular interval.

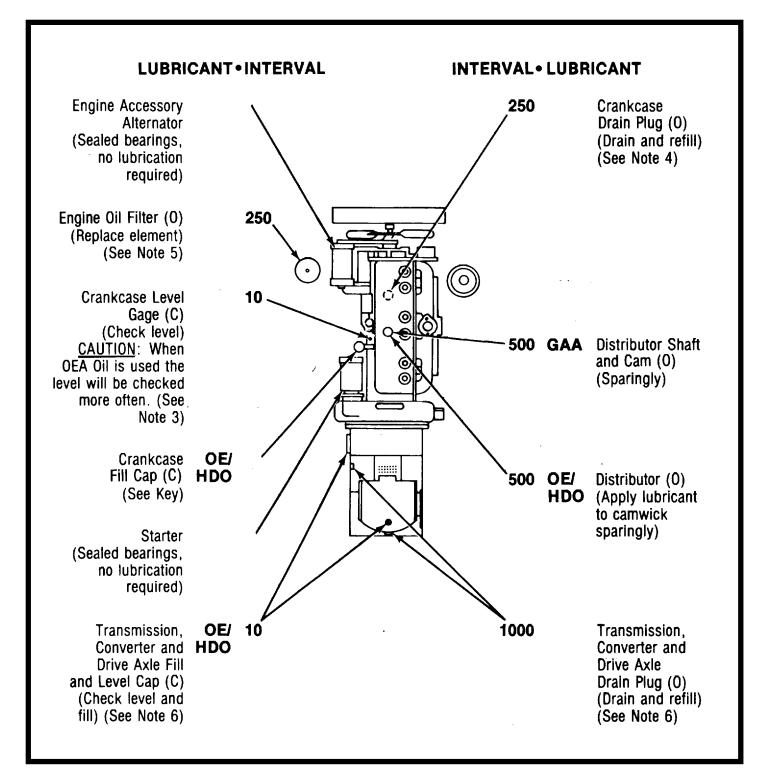
*TOT	AL MAN-HOURS	*TOTAL	MAN-HOURS	
INTERVAL	MAN-HOURS	INTERVAL	MAN-HOURS	
10	0.2	500	0.6	
50	0.3	1000	2.1	
250	2.6			

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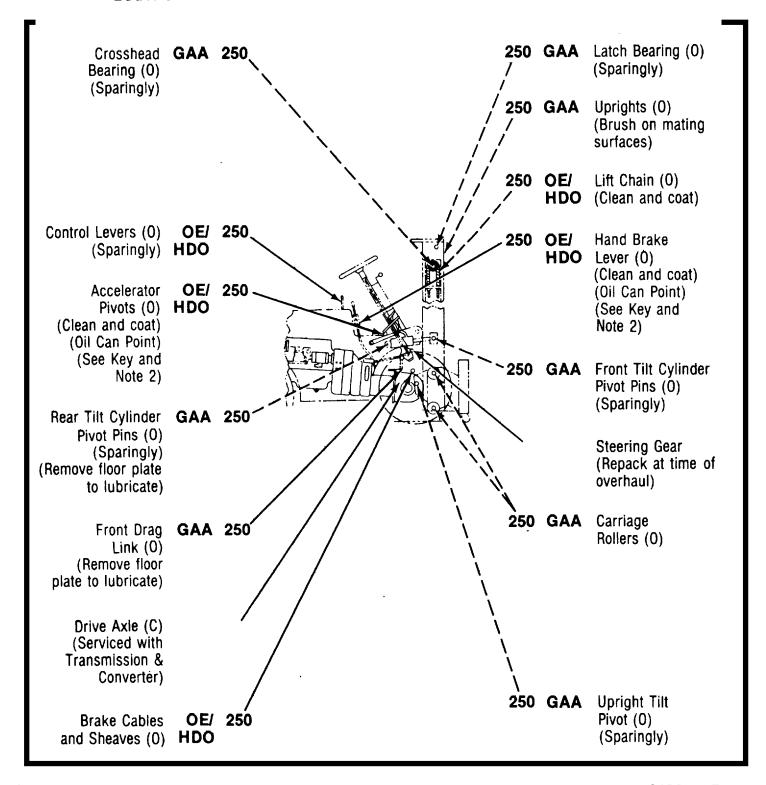


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### INTERVAL • LUBRICANT



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LUBRICANTS	CAPACITY	Above + 15°F	TED TEMPER. +40°to -15°F (+4°to -26°C)	+40°to -65°F		INTERVAL
OE/ - Lubricating HDO Oil, Internal Combustion Engine, Tac- tical Service		OE/HDO 30	OE/HDO 10			
OEA - Lubricating Oil, Internal Combustion, Arctic				OEA (See Note 1)	9-207	
- Crankcase With Oil Filter	4-1/2 qts. (4.25 L)				to FM	Intervals
- Oil Can Points (See Note 2)					tion refer	given are
- Transmission, Converter and Drive Axle	16 qts. (15.13 L)				Arctic operation	of norma
- Hydraulic Reservoir	50 qts. (47 L)				For	
- Fork Stop Pins						• •
BFS - Brake Fluid, Silicone, Automotive		ALL TEMPERATURES				
- Brake Master Cylinder	1/2 pt. (0.236 L)					
GAA - Grease, Automotive and Artillery	ALL TEMPERATURES					
*See Note 10 for lub	ricant speci	fication numb	per.			

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#### NOTES:

- 1. FOR OPERATION OF EQUIPMENT IN PROTRACTED COLD TEMPERATURES BELOW 150F (-260C). Remove lubricants prescribed in Key for temperatures above -150F (-260C). Relubricate with lubricants specified in Key for temperatures below -150F (-260C). If OEA lubricant is required to meet the temperature ranges prescribed in the Key, OEA lubricant is to be used in place of OE/HDO-10 lubricant for all temperature ranges where OE/HDO-10 is specified in the Key.
- 2. OIL CAN POINTS. Each 250 hours, lubricate brake and hand brake linkage, accelerator pivot points, and all exposed adjustable threads with OE/HDO.
- 3. ENGINE OIL LEVEL HOT OR COLD CHECK. Cold engine, oil level should be at high mark on dipstick. Hot engine, oil level must be between high and low marks on dipstick (allow to set 5 minutes before checking).
- 4. ENGINE. Oil is to be changed each 250 hours. Drain when lubricant is warm.
- 5. ENGINE OIL FILTER. Each 250 hours, remove filter element, clean housing and install new filter element. After installing new filter element, fill crankcase, operate engine for 5 minutes, check housing for leaks, check crankcase oil level and bring to "FULL" mark.
- 6. TRANSMISSION, CONVERTER AND DRIVE AXLE. Check level each 10 hours with engine running at idling speed, oil at operating temperature and transmission in neutral. Maintain oil level at "FULL" mark. Change oil each 1000 hours. Drain when lubricant is warm. Fill transmission to low mark. Run engine at idle speed to fill converter and lines. With engine running at idle speed, oil at operating temperature and transmission in neutral, add oil to bring oil level to "FULL" mark. Operate for 5 minutes and check for leaks.
- 7. WHEEL BEARINGS. Each 1000 hours, remove front wheels, clean and inspect all parts, replace damaged or

worn parts, repack bearings, and assemble.

- 8. HYDRAULIC OIL RESERVOIR. Each 1000 hours drain reservoir. Drain when lubricant is warm. Clean and replace strainer. Fill reservoir, operate hydraulic controls, check for leaks, check oil level and bring to "FULL" mark. Check oil level with forks lowered and uprights tilted back.
- 9. HYDRAULIC OIL FILTER. Each 500 hours, remove element, clean filter shell and install new element. After replacement, operate hydraulic system for 5 minutes, check for leaks, check level and bring to "FULL" mark.
- LUBRICANTS. The following is a list of lubricants with military symbols and applicable specification numbers.

 OE/HDO
 MIL-L-2104

 GAA
 MIL-G-10924

 OEA
 MIL-L-46167

 BFS
 MIL-B-46176

 (SD), Type II
 P-D-680

Copy of this Lubrication Order will remain with the equipment at all times, instructions contained herein are mandatory.

By order of the Secretary of the Army:

JOHN A. WICKHAM, JR. General, United States Army Chief of Staff

OFFICIAL:

ROBERT M. JOYCE Major General, United States Army The Adjutant General

# **DISTRIBUTION:**

To be distributed in accordance with DA Form 12-25A, Operator and Organizational maintenance requirements for Fork Lift Trucks.

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