

TECHNICAL MANUAL

**OPERATOR'S, ORGANIZATIONAL,
DIRECT SUPPORT AND
GENERAL SUPPORT
MAINTENANCE MANUAL
(INCLUDING REPAIR
PARTS INFORMATION
AND SUPPLEMENTAL
MAINTENANCE INSTRUCTIONS)**

FOR

**TRUCK, FORKLIFT, GASOLINE
ENGINE DRIVEN, PNEUMATIC
TIRES, 4000-LB CAPACITY,
144-IN LIFT HEIGHT
CLARK MODEL C500Y45, MHE 243
NSN 3930-01-085-3767**

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TRUCK, LIFT, FORK; GASOLINE ENGINE DRIVEN,
PNEUMATIC TIRES; 4,000 LB CAPACITY, 144-INCH LIFT HEIGHT
(CLARK MODEL C500Y45, ARMY MODEL MHE-243)

NSN 3930-01-085-3767

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, DA Form 2028 (Recommended Changes to Publications and Blank Forms), or DA Form 2028-2, located in the back of this manual, direct to: Commander, U.S. Army Tank-Automotive Command, ATTN: AMSTA-MB, Warren, MI 48397-5000. A reply will be furnished to you.

This technical manual is an authentication of the manufacturer's commercial literature and does not conform with the format and content specified in AR 310-3, Military Publications. This technical manual does, however, contain available information that is essential to the operation and maintenance of the equipment.

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S P E C I F I C A T I O N

ENGINE:

MANUFACTURER WAUKESHA
 MODEL D176G
 TYPE OVERHEAD VALVE
 SERIES CLARK
 HORSE POWER52 @ 2350

CARBURETOR:

MANUFACTURER MARVEL-SCHEBLUR
 MODEL GLE-44

ALTERNATOR :

MANUFACTURER DELCO
 TYPE 12 VOLTS, NEG. GROUND

STARTER :

MANUFACTURER DELCO-REMY
 TYPE 12 VOLTS-25 AMPERE

TRANSMISSION:

MANUFACTURER CLARK
 MODEL H200D2
 TYPE HYDRAULIC
 SERIES HYDRATORK
 RATED CAPACITY 16 QUARTS

AXLE END ASSY. (FRONT)

MANUFACTURER CLARK
 MODEL 120951 R.H. - 120952 L.H.
 TYPE PLANETARY

CLUTCH NOT APPLICABLE

RADIATOR:

MANUFACTURER CLARK
 MODEL 2326454
 PRESSURE 7 LBS
 RATED CAPACITY 10 QUARTS

MASTER CYLINDER:

MANUFACTURER WAGNER
 TYPE SINGLE STAGE HORIZ.

WHEEL CYLINDER:

MANUFACTURER WAGNER

POWER STEERING PUMP:

MANUFACTURER PARKER-HANNIFIN
 SERIES H-25
 TYPE GEAR
 PRESSURE RELIEF VALVE SETTING 1750
 RATED CAPACITY 2.5 GPM
 @ 750 TO 2350 ENGINE R.P.M.

POWER STEERING CYLINDER:

MANUFACTURER CLARK
 MODEL 180040

STEERING GEAR ASSEMBLY:

MANUFACTURER SAGINAW
 MODEL 525-D-267
 TYPE RECIRCULATING BALL

BATTERY:

MANUFACTURER DELCO
 MODEL 3EMT70-D
 RATED CAPACITY 46 AMP HOUR

TIRES, FRONT DRIVE:

MODEL 7:00 x 12-12 PLY
 TYPE PNEUMATIC

TIRES, REAR STEER:

MODEL 6:50 X 10-10 PLY
 TYPE PNEUMATIC

HYDRAULIC PUMP:

MANUFACTURER PARKER-HANNIFIN
 MODEL M07AB2J
 TYPE GEAR
 PRESSURE 2000 P.S.I. 11 CPM 1450 RPM

CYLINDER, TILT:

MANUFACTURER CLARK
 MODEL 1791918
 TYPE DOUBLE ACTING
 PRESSURE 2000 P.S.I.

POWER BRAKE ASSEMBLY NOT APPLICABLE

LIFT CYLINDER:

MANUFACTURER CLARK
 MODEL 2355448
 TYPE TELESCOPIC
 PRESSURE 2000 LB