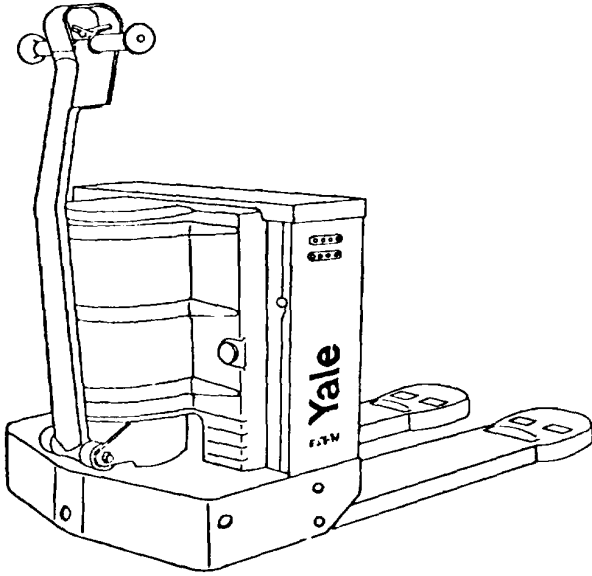


TECHNICAL MANUAL

**OPERATOR'S, ORGANIZATIONAL, DIRECT SUPPORT,
AND GENERAL SUPPORT MAINTENANCE MANUAL
(INCLUDING REPAIR PARTS AND SPECIAL TOOLS LISTS)**



Operator's Instructions
Page 5

Repair Parts
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**TRUCK, PALLET-TYPE, 12-VOLT ELECTRIC-DRIVEN,
SOLID RUBBER TIRES, 4,000-LB CAPACITY
(YALE MODEL MP040C2M2742EE)
NSN 3930-01-089-1429**

HEADQUARTERS, DEPARTMENT OF THE ARMY
DECEMBER 1981

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TECHNICAL MANUAL
NO. 10-3930-648-14&P

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, DC, 30 December 1981

OPERATOR'S, ORGANIZATIONAL, DIRECT SUPPORT,
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(INCLUDING REPAIR PARTS, AND SPECIAL TOOLS LISTS)
FOR
TRUCK, PALLET-TYPE, 12-VOLT ELECTRIC-DRIVEN,
SOLID RUBBER TIRES, 4,000 LB CAPACITY
(YALE MODEL MP040C2M2742EE)
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REPORTING OF ERRORS

You can improve this manual by recommending improvements using DA Form 2028 (Recommended Changes to Publications and Blank Forms) or DA Form 2028-2 located in the back of this manual. Mail the form direct to Commander, US Army Tank-Automotive Command, ATTN: DRSTA-MBS, Warren, MI 48090. A reply will be furnished direct to you.

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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.

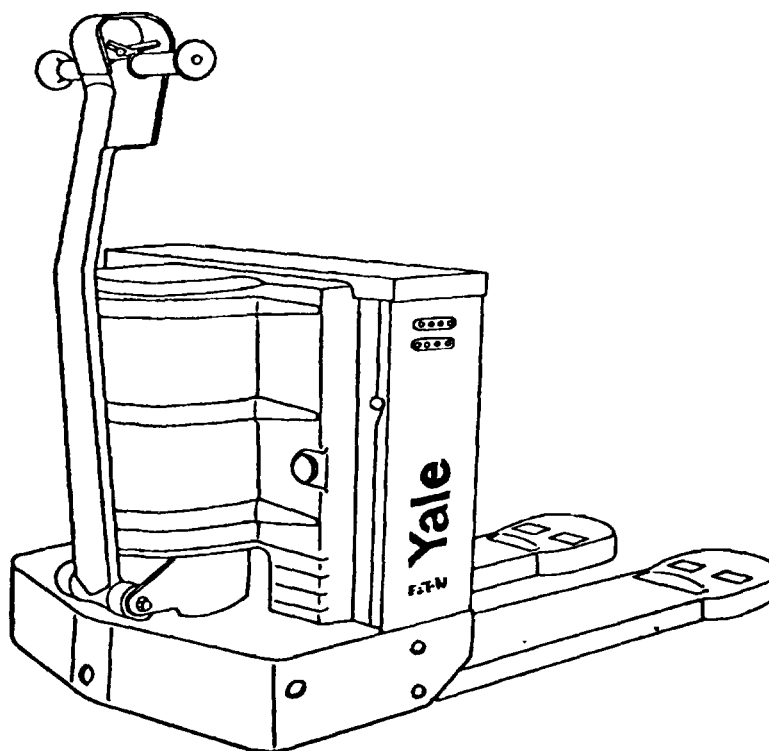
MFG. MODEL - MP040C2M2742 EE

NSN 3930 - 01 - 089 - 1429

NOMENCLATURE - TRUCK, PALLET, POWERED,
ELECTRIC

CONTRACTOR -
EATON CORP.- INDUSTRIAL TRUCK DIV.
11000 ROOSEVELT BLVD.
PHILA., PENNA. 19115

CONTRACT NO. - DAAE07-79-C-6017



Warranty

Eaton Corporation, Industrial Truck Division (ITD), warrants each new powered Yale industrial truck to be free of defective material or workmanship under proper use and service for one hundred eighty (180) days or one thousand (1000) hours of use, whichever first occurs, from date of delivery of the truck to the original user. During this warranty period, ITD will at its option repair or replace, free of charge, including material and labor, any item which in its sole opinion is determined to be defective. This warranty does not cover maintenance items, including but not limited to lubricating grease and oils, filters, fan belts, ignition parts, or minor adjustments, nor any items which show evidence of neglect, overload, abuse, accident, inadequate maintenance or unauthorized alteration. It is the user's responsibility to maintain the truck in accordance with ITD's recommended schedule of maintenance starting upon receipt of the truck. This warranty does not apply to other than Yale brand attachments. Such attachments are covered by the warranties, if any, of the manufacturers of those products.

In addition, coverage on all electric motors and drive train components (that is internal combustion engines, transmissions, drive axles, differentials, and SCR components), as well as Yale or ITD approved industrial battery chargers will be extended for parts only beyond the standard warranty, to a full year or two thousand (2000) hours of use, whichever first occurs, from date of delivery of the truck to the original user.

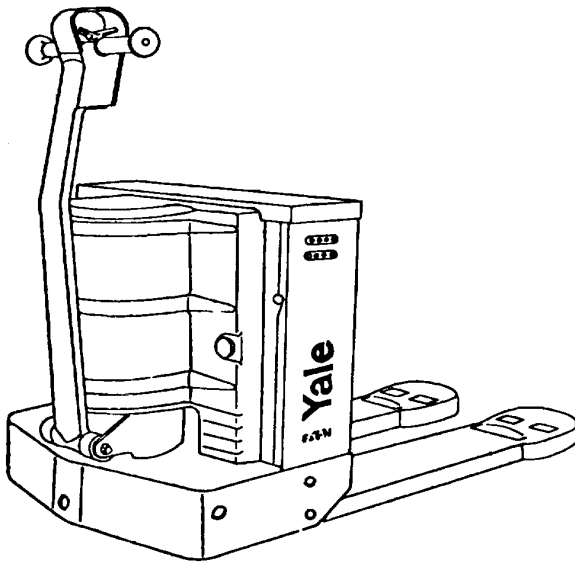
Yale or ITD approved industrial batteries will be warranted for a period of three (3) years from date of delivery to the original user.

For starting batteries and batteries used in internal power packs, adjustment will also be made after the standard warranty period on a basis of the number of months in use and the type of battery. Labor and freight are not covered after the standard warranty period.

This warranty may not be changed, altered or modified in any way except in writing by ITD. This warranty shall be void if repairs or alterations to a Yale industrial truck are made by any person or firm other than ITD or an ITD dealer so as in ITD's opinion to affect adversely in any way the stability or reliability of such truck.

ITD's obligation to repair or replace shall be the limit of its liability under this warranty and the sole and exclusive right and remedy of the user. Liability or obligation on the part of ITD for any other amount or damages is hereby disclaimed, whether incidental, consequential, general, special, in contract, tort, for negligence or otherwise. There are no warranties that extend beyond the description on the face hereof.

THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, WRITTEN OR ORAL, INCLUDING WITHOUT LIMITATION ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE.

The MP Story...features

Pallet Trucks...
designed for
durability and
easy maintenance

POWERFUL DRIVE UNIT

Smooth acceleration characteristics and maximum torque are provided by a totally enclosed drive unit having double reduction direct gear drive. All gears operate in an oil bath and all rotating parts are mounted on ball bearings assuring long life and quiet, trouble-free performance. Entire drive unit is mounted on a large-diameter ball bearing race that is designed to resist shock and distortion and provide easiest possible steering. Positive acting safety brake is external contracting shoe type, spring applied and cam released. Drum is mounted on first reduction shaft of drive unit.

Large, easily removed cover provides ready access to drive unit and electrical components for inspection and repair. Drive wheel is bolted on for easy removal.

CONTACTOR DRIVE CONTROL

Rugged, magnetic contactor control provides three speeds forward and reverse.

**- - - handle design
makes operation easy,
fast and safe**

Operator can lift or lower while maneuvering, has complete control of truck at all times.

EASY STEERING

Large handle grips and wide 200° steering arc make close quarter operation and right angle turns an easy matter. Drive unit is ball bearing mounted for minimum steering effort.

POSITIVE BRAKING

Raising or lowering the steering handle all the way applies the brake and cuts off power. The handle automatically returns to vertical when released.

PRECISE TRAVEL CONTROL

A rugged, maintenance-free butterfly switch at the top of the steering handle controls forward or reverse speed in response to thumb pressure from either hand. A safety guard protects the switch against impact.

PUSHBUTTON LIFT AND LOWER

Fingertip control of lifting or lowering while maneuvering means top working efficiency

12-VOLT POWER —**QUICK, EASY BATTERY REMOVAL**

Pallet trucks accommodate a wide range of 12-volt industrial batteries to match any kind of duty cycle.

The hinged battery cover swings up out of the way for quick, easy servicing. Hinged cover and lift-off side plates simplify top or side battery removal.

**RUGGED, COMPACT FRAME . . . PROTECTED,
ACCESSIBLE LIFTING COMPONENTS**

The rugged, steel frame is electrically welded into a unit structure for strength and rigidity. Its compact design protects hydraulic components and lifting linkage, yet provides ready access for maintenance.

The large capacity hydraulic reservoir and motor-driven pump are highly efficient. Lifting linkage is easily adjusted and lubricated. The reservoir breather cap extends through the floor plate for quick servicing. Load wheels are also easily lubricated without lifting the truck.

**HIGH UNDERCLEARANCE —
CLEAN DESIGN**

Because nothing protrudes below the frame, under clearance is high and dock board hang up minimized. Pallet forks are protected to prevent foreign objects from becoming entangled in tension rods.

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