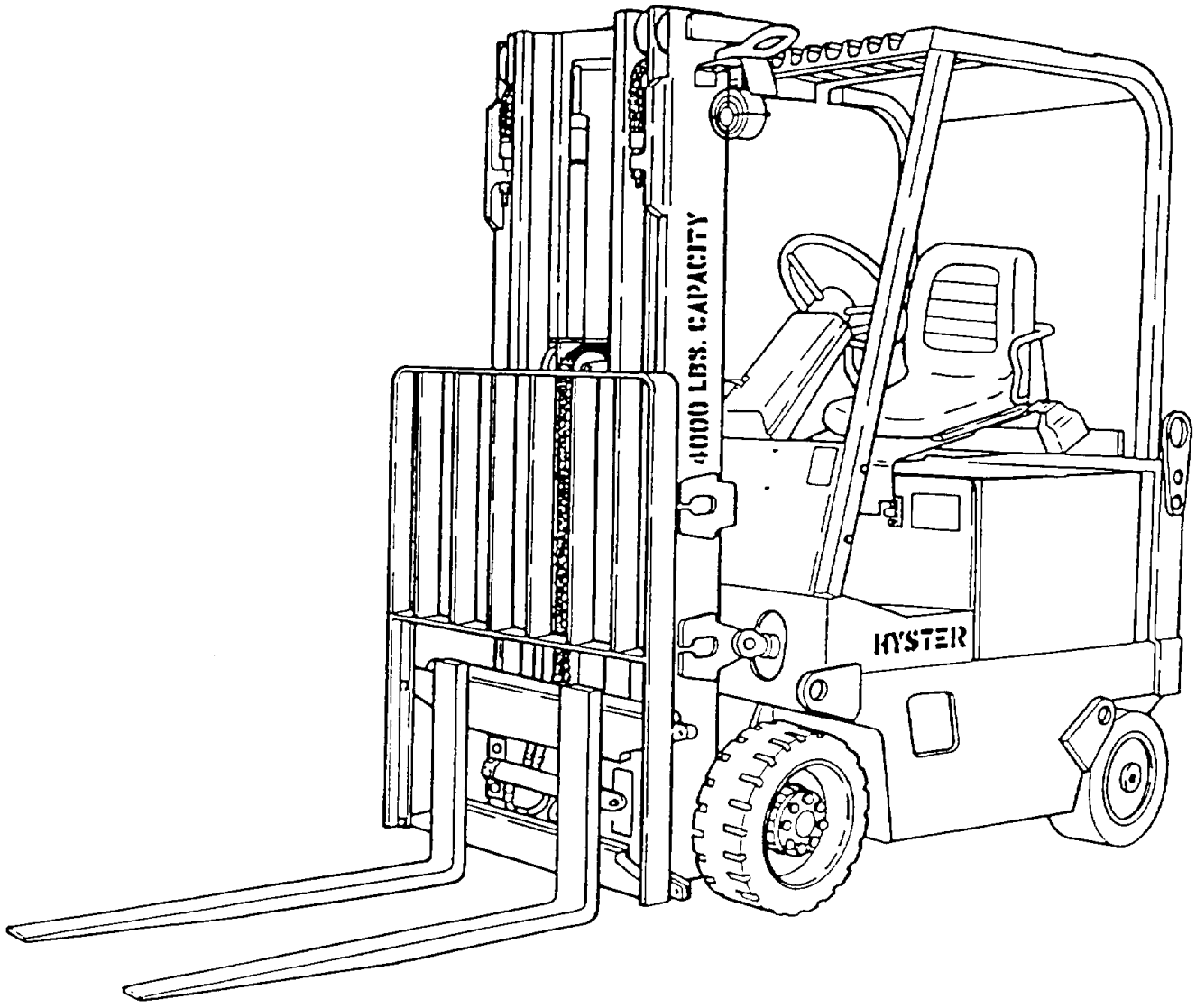
TECHNICAL MANUAL
UNIT, DIRECT SUPPORT, AND
GENERAL SUPPORT MAINTENANCE
REPAIR PARTS AND SPECIAL TOOLS LIST
(INCLUDING DEPOT MAINTENANCE REPAIR PARTS)
FOR
TRUCK, LIFT, FORK, ELECTRIC, SOLID RUBBER TIRED (SRT)
4,000 POUND CAPACITY, SSN M492
HYSTER MODEL E40XL-MIL
(NSN 3930-01-223-8437)



Approved for public release, distribution is unlimited.

HEADQUARTERS, DEPARTMENT OF THE ARMY DECEMBER 1993

TECHNICAL MANUAL

No. 10-3930-655-24P

HEADQUARTERS
DEPARTMENT OF THE ARMY
Washington D.C.. *29 December 1993*

UNIT, DIRECT SUPPORT, AND GENERAL SUPPORT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LIST (INCLUDING DEPOT MAINTENANCE REPAIR PARTS) FOR

TRUCK, LIFT, FORK, ELECTRIC, SOLID RUBBER TIRED (SRT) 4,000 POUND CAPACITY, SSN M492 HYSTER MODEL E40XL-MIL (NSN 3930-01-223-8437)

Approved for public release, distribution is unlimited.

REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

You can help improve the 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.

TABLE OF CONTENTS

		Illus/ Figure
SECTION I.	INTRODUCTION	1
SECTION II.	REPAIR PARTS LIST	
GROUP 06	Instrument Installation	1
	Starter Switch	2
	Light Switch	3
	Seat Switch	4
	Brake Light Switch	5
	Headlight	6
	Taillights	7
	Horn	8
	Battery Connector	9

TABLE OF CONTENTS - Continued

		Illus/ Figure
	Electrical Installation	10
	Main Wiring Harness	11
	Instrument Panel Wiring Harness	12
	Headlight Wiring Harness	13
	Taillight Wiring Harness	14
	Seat Brake Wiring Harness	15
	Steering Column Wiring Harness	16
	Potentiometer Wiring Harness	17
	Control Panel Wiring Harness	18
GROUP 07	Transmission	19
GROUP 10	Drive Axle	20
	Differential	21
GROUP 11	Steering Axle	22
	Steering Axle & Tie Rod Assembly	23
GROUP 12	Parking Brake Linkage	24
	Seat Brake Linkage	25
	Seat Brake	26
	Service Brakes	27
	Service Brake Linkage	28
	Service Brake Pedal	29
GROUP 13	Drive Axle Assembly	30
	Steering Axle Wheel Assembly	31
	Tires	32
GROUP 14	Steering Column Assembly	33
	Steering Pump Assembly	34
	Steering Lines	35
	Steering Cylinder	36
	Steering Control Unit	37
GROUP 15	Counterweight	38
GROUP 18	Overhead Guard	39
	Floorplates and Covers	40
	Seat Assembly Page 1	41
	Seat Assembly Page 2	41
GROUP 22	Decals	42
GROUP 24	Hydraulic Pump Mounting	43
	Hydraulic Pump	44
	Hydraulic Pump Motor	45
	Control Valve	46

TABLE OF CONTENTS - Continued

		Illus/ Figure
	Control Valve Linkage	47
	Tilt Cylinder	48
	Upright Assembly	49
	Intermediate Assembly	50
	Inner Upright Assembly	51
	Main Lift Assembly	52
	Main Lift Cylinder	53
	Free Lift Assembly	54
	Free Lift Cylinder	55
	Carriage	56
	Load Backrest	57
	Fork Assembly	58
	Sideshift Assembly.	59
	Sideshift Cylinder	60
	Hydraulic Assembly	61
	Header Hose Assembly	62
	Hydraulic Tank	63
GROUP 40	Steering Motor	64
	Traction Motor	65
	Hydraulic Pump Motor Armature	66
	Steering Motor Armature	67
	Traction Motor Armature	68
	Hydraulic Pump Motor Brushes	69
	Steering Pump Motor Brushes	70
	Traction Motor Brushes	71
	Hydraulic Pump Motor Fan	72
	Traction Motor Fans	73
	Control Panel	74
	Traction Panel	75
	Forward/Reverse Contactor	76
	1A/FW/Pump Contactor	77
	Fuses	78
	Horn Switch	79
	Control Valve Blade Switches	80
	Directional Control Switch.	81
	Accelerator	82
	Resistor	83
	Lift Interrupt Controller	84

TABLE OF CONTENTS - Continued

		Illus/ Figure
	Thermal Sensor	85
	Transformer	86
	Terminal Strip	87
	Contactor Suppressor	88
	Static Strap	89
	Capacitor and Diode	90
SECTION III.	SPECIAL TOOLS AND TEST EQUIPMENT	TOOLS-1
SECTION IV.	CROSS-REFERENCES INDEXES	I-1

UNIT, DIRECT SUPPORT, AND

GENERAL SUPPORT MAINTENANCE

REPAIR PARTS AND SPECIAL TOOLS LIST

(INCLUDING DEPOT MAINTENANCE REPAIR PARTS)

Section I. INTRODUCTION

1. Scope.
This RPSTL lists and authorizes spares and repair parts; special tools; special test, measurement, and diagnostic equipment (TMDE); and other special support equipment required for performance of unit, direct support and general support maintenance of the E40XL. It authorizes the requisitioning, issue, and disposition of spares, repair parts, and special tools as indicated by the source, maintenance, and recoverability (SMR) codes.

2. General.
In addition to Section I, Introduction, this Repair Parts and Special Tools List is divided into the following sections:

a. Section II. Repair Parts List. A list of spares and repair parts authorized by this RPSTL for use in the performance of maintenance. The list also includes parts which must be removed for replacement of the authorized parts. Parts lists are composed of functional groups in ascending alphanumeric sequence, with the parts in each group listed in ascending figure and item number sequence. Bulk materials are listed in item name sequence. Repair parts kits are listed separately in their own functional group within Section II. Repair parts for reparable special tools are also listed in this section. Items listed are shown on the associated illustration(s)/figure(s).

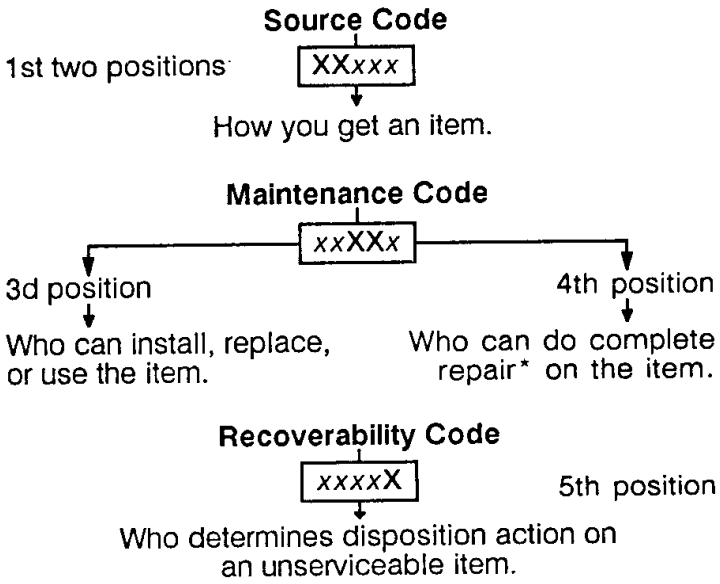
b. Section III. Special Tools List. A list of special tools, special TMDE, and other special support equipment authorized by this RPSTL (as indicated by Basis of Issue (BOI) information in DESCRIPTION AND USABLE ON CODE column) for the performance of maintenance.

c. Section IV. National Stock Number and Part Number Index. A list, in National item identification number (N11N) sequence, of all National stock numbered items appearing in the listing, followed by a list in alphanumeric sequence of all part numbers appearing in the listings. National stock numbers and part numbers are cross-referenced to each illustration figure and item number appearance.

3. Explanation of Columns (Sections II and III).

a. ITEM NO. (Column (1)). Indicates the number used to identify items called out in the illustration.

b. SMR CODE (Column (2)). The Source, Maintenance, and Recoverability (SMR) code is a 5-position code containing supply/requisitioning information, maintenance category authorization criteria, and disposition instructions, as shown in the following breakout:



*Compete Repair: Maintenance capacity, capability, and authority to perform all corrective maintenance tasks of the "Repair" function in a use/user environment in order to restore serviceability to a failed item.

(1) Source Code. The source code tells you how to get an item needed for maintenance, repair, or overhaul of end item/equipment. Explanations of source codes follow:

Code	Explanation
PA PB PC PD PE PF PG	Stocked items; use the applicable NSN to request/requisition items with these source codes. They are authorized to the category indicated by the code entered in the 3d position of the SMR code. **NOTE: Items coded PC are subject to deterioration.
KD KF KB	Items with these codes are not requested/requisitioned individually. They are part of a kit which is authorized to the maintenance category indicated in the 3d position of the SMR code. The complete kit must be requisitioned and applied.