

TECHNICAL MANUAL

**UNIT, DIRECT SUPPORT, AND GENERAL SUPPORT MAINTENANCE
REPAIR PARTS AND SPECIAL TOOLS LISTS
(INCLUDING DEPOT MAINTENANCE REPAIR
PARTS AND SPECIAL TOOLS LISTS)**

**TRUCK, FORKLIFT: ADVERSE TERRAIN,
10,000 LB CAPACITY, M544E
(NSN 3930-01-301-8250)**

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HEADQUARTERS, DEPARTMENT OF THE ARMY August 1994

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Current as of 18 June 1993

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.

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TABLE OF CONTENTS

			Page	Illus Fig
SECTION	I	INTRODUCTION	1	
SECTION	II	REPAIR PARTS LIST	1-1	
GROUP	01	ENGINE		
		0100 - ENGINE ASSEMBLY	1-1	
		ENGINE AND MOUNTING BRACKETS	1-1	1
		0101 - CRANKCASE, BLOCK, CYLINDER HEAD	2-1	
		CYLINDER BLOCK	2-1	2
		ENGINE FRONT PLATE	3-1	3
		CYLINDER HEAD ASSEMBLY	4-1	4
		0102 - CRANKSHAFT	5-1	
		CRANKSHAFT, IDLER GEARS, AND MAIN BEARINGS	5-1	5
		CRANKSHAFT DAMPENER	6-1	6
		0103 - FLYWHEEL ASSEMBLY	7-1	
		FLYWHEEL AND HOUSING	7-1	7

TABLE OF CONTENTS (Con't)

		Page	Illus Fig
	0104 - PISTONS AND CONNECTING RODS.....	8-1	
	PISTON ASSEMBLY.....	8-1	8
	0105 - VALVES, CAMSHAFTS, AND TIMING SYSTEM.....	9-1	
	ROCKER ARM COVER.....	9-1	9
	ROCKER ARM SHAFT, PUSHRODS, ROCKER ARMS, AND VALVES... 10-1	10	
	CAMSHAFT.....	11-1	11
	TIMING GEAR COVER.....	2-1	12
	0106 - ENGINE LUBRICATION SYSTEM.....	13-1	
	ENGINE OIL COOLER AND HOSES.....	13-1	13
	ENGINE OIL PAN.....	14-1	14
	ENGINE OIL PUMP.....	15-1	15
	ENGINE OIL LEVEL GAGE, OIL FILTER, AND BYPASS VALVE.....	16-1	16
	ENGINE OIL FILLER INLET.....	17-1	17
	ENGINE VENTILATOR TUBE.....	18-1	18
	TURBOCHARGER OIL HOSES.....	191	19
	0108 - MANIFOLDS.....	20-1	
	EXHAUST MANIFOLD AND ELBOW.....	2-1	20
GROUP	03 FUEL SYSTEM		
	0301 - CARBURETOR, FUEL INJECTOR.....	21-1	
	FUEL INJECTION NOZZLE.....	21-1	21
	0302 - FUEL PUMPS.....	22-1	
	FUEL TRANSFER PUMP AND LINE.....	22-1	22
	FUEL INJECTION PUMP AND LINES.....	23-1	23
	FUEL INJECTION PUMP COMPONENT PARTS.....	24-1	24
	FUEL INJECTION PUMP SOLENOID.....	25-1	25
	0304 - AIR CLEANER.....	26-1	
	AIR CLEANER.....	26-1	26
	0305 - SUPERCHARGER, BLOWER, TURBOCHARGER, OR ALTITUDE COMPENSATOR.....	27-1	
	TURBOCHARGER.....	27-1	27
	AIR INTAKE SYSTEM.....	28-1	28
	0306 - TANKS, LINES, FITTINGS, HEADERS.....	29-1	
	FUEL TANK AND RELATED PARTS.....	29-1	29
	FUEL PRIMER PUMP AND FITTINGS.....	30-1	30
	FUEL PRESSURE DIFFERENTIAL SWITCH AND RELATED PARTS.....	31-1	31
	0309 - FUEL FILTERS.....	32-1	
	FUEL FILTER AND MOUNTING HARDWARE.....	32-1	32
	0311 - ENGINE STARTING AIDS.....	33-1	
	ENGINE STARTING AID.....	33-1	33
	0312 - ACCELERATOR, THROTTLE, OR CHOKE CONTROLS.....	34-1	
	ACCELERATOR PEDAL AND CABLE.....	34-1	34
GROUP	04 EXHAUST SYSTEM		
	0401 - MUFFLER AND PIPES.....	35-1	
	MUFFLER AND CLAMP.....	35-1	35
GROUP	05 COOLING SYSTEM		
	0501 - RADIATOR, EVAPORATIVE COOLER. OR HEAT EXCHANGER.....	36-1	
	RADIATOR, COOLANT RECOVERY TANK, AND RELATED PARTS.....	36-1	36
	RADIATOR HOUSING AND GRILLE.....	37-1	37

TABLE OF CONTENTS (Con't)

	Page	Illus Fig
0502 - COWLING, DEFLECTORS, AIR DUCTS, SHROUDS, ETC.....	38-1	
RADIATOR SHROUD	38-1	38
0503 - WATER MANIFOLD, HEADERS, THERMOSTATS, AND		
HOUSING GASKET	39-1	
ENGINE THERMOSTAT AND HOUSING.....	39-1	39
0504 - WATER PUMP	40-1	
WATER PUMP ASSEMBLY	40-1	40
0505 - FAN ASSEMBLY	41-1	
FAN BLADE AND BELTS	41-1	41
 GROUP 06 ELECTRICAL SYSTEM		
0601 - GENERATOR, ALTERNATOR.....	42-1	
ALTERNATOR MOUNTING BRACKETS.....	42-1	42
ALTERNATOR	43-1	43
0603 - STARTING MOTOR	44-1	
STARTER MOTOR MOUNTING.....	44-1	44
STARTER MOTOR ASSEMBLY	45-1	45
0606 - ENGINE SAFETY CONTROLS	46-1	
NEUTRAL START SWITCH	46-1	46
0607 - INSTRUMENT OR ENGINE CONTROL PANEL.....	47-1	
FAULT MONITOR CONSOLE	47-1	47
ENGINE HOURMETER AND INSTRUMENT PANEL LIGHT	48-1	48
IGNITION AND CLUTCH CUTOFF SWITCHES.....	49-1	49
RESISTOR AND CAPACITOR WIRING HARNESS, AND LEADS	50-1	50
LOAD CENTER PANEL	51-1	51
FAULT MONITOR AND DASH WIRING HARNESS.....	52-1	52
RIGHT AND LEFT PANEL HARNESSES.....	53-1	53
LOAD CENTER WIRING HARNESS	54-1	54
0608 - MISCELLANEOUS ITEMS	56-1	
AIR COMPRESSOR WIRING HARNESS AND MISCELLANEOUS		
SWITCHES	55-1	55
0609 - LIGHTS	56-1	
DOMELIGHT	56-1	56
DRIVING LIGHTS	57-1	57
FRONT BLACKOUT LIGHT, BLACKOUT DRIVING LIGHT,		
AND MOUNTING HARDWARE	58-1	58
ADJUSTABLE FLOODLIGHT	59-1	59
TAILLIGHT	60-1	60
REAR BLACKOUT LIGHTS AND MOUNTING HARDWARE	61-1	61
WORKLIGHTS	62-1	62
REAR TURN SIGNAL/EMERGENCY FLASHERS	63-1	63
0610 - SENDING UNITS AND WARNING SWITCHES	64-1	
SENDING UNIT AND WARNING SWITCHES	64-1	64
0611 - HORN, SIREN	65-1	
REVERSE WARNING ALARM	65-1	65
HORN AND HORN SWITCH	66-1	66
0612 - BATTERIES, STORAGE	67-1	
BATTERIES AND ASSOCIATED PARTS.....	67-1	67
BATTERY COVERS.....	68-1	68
0613 - HULL OR CHASSIS WIRING HARNESS	69-1	
CAB GROUNDING STRAP AND BATTERY SHUNT	69-1	69
FUEL INJECTION PUMP, REAR FRAME, AND HYDRAULIC OIL		
FILTER WIRING HARNESSES	70-1	70
UNDER CAB WIRING HARNESS	71-1	71
ENGINE WIRING HARNESS.....	72-1	72
ENGINE FRAME WIRING HARNESS	73-1	73

TABLE OF CONTENTS (Con't)

		Page	Illus Fig
	0502 - COWLING. DEFLECTORS, AIR DUCTS, SHROUDS, ETC.....	38-1	
	0613 - HULL OR CHASSIS WIRING HARNESS (Con't)		
	SECONDARY STEERING AND CLUTCH CUTOFF VALVE SOLENOID		
	WIRING HARNESSES.....	74-1	74
	TRANSMISSION WIRING HARNESS	75-1	75
	LOADER FRAME WIRING HARNESS	76-1	76
	UPPER AND LOWER WORKLIGHT WIRING HARNESSES	77-1	77
	STE/ICE LOAD CENTER WIRING HARNESS	78-1	78
	STE/ICE CHASSIS WIRING HARNESS	79-1	79
	STE/ICE BATTERY WIRING HARNESS	80-1	80
	STE/ICE ALTERNATOR, STARTER MOTOR, AND		
	FUEL INJECTION PUMP WIRING HARNESS	81-1	81
	STE/ICE TURN SIGNAL/EMERGENCY FLASHERS AND		
	BLACKOUT LIGHTS WIRING HARNESS	82-1	82
GROUP	07 TRANSMISSION		
	0705 - TRANSMISSION SHIFTING COMPONENTS.....	83-1	
	TRANSMISSION CLUTCH CUTOFF VALVE, CONTROL, AND HOSES.....	83-1	83
	TRANSMISSION SHIFT LINKAGE	84-1	84
	TRANSMISSION SHIFT RODS LINKAGE AND CABLES	85-1	85
	0708 - TORQUE CONVERTER OR FLUID COUPLING	86-1	
	TORQUE CONVERTER, HOUSING, AND DRIVE	86-1	86
	0710 - TRANSMISSION ASSEMBLY AND ASSOCIATED PARTS.....	87-1	
	TRANSMISSION AND MOUNTING BRACKETS.....	87-1	87
	GEARBOX HOUSING AND RELATED PARTS.....	88-1	88
	INPUT SHAFT, HOUSING, AND GEAR PUMP	89-1	89
	FOURTH GEAR IDLER AND OUTPUT SHAFT.....	90-1	90
	TRANSMISSION OIL LEVEL GAGE AND TUBE.....	91-1	91
	FORWARD AND FIRST GEAR CLUTCHES	92-1	92
	REVERSE AND SECOND GEAR CLUTCHES.....	93-1	93
	THIRD AND FOURTH GEARS	94-1	94
	0714 - SERVO UNIT	95-1	
	CONTROL VALVE PLATE. GASKETS, AND HOSES.....	95-1	95
	CONTROL VALVE.....	96-1	96
	0721 - COOLERS, PUMPS. MOTORS.....	97-1	
	TRANSMISSION SUCTION TUBE AND OIL FILTER.....	97-1	97
	TRANSMISSION OIL COOLER	98-1	98
	THERMAL BYPASS VALVE	99-1	99
	TRANSMISSION OIL COOLER HOSES.....	100-1	100
GROUP	09 PROPELLER, PROPELLER SHAFTS, UNIVERSAL JOINTS, COUPLER, AND CLAMP ASSEMBLY		
	0900 - PROPELLER SHAFTS.....	101-1	
	DRIVE DAMPENER AND COVER.....	101-1	101
	ENGINE-TO-TRANSMISSION UNIVERSAL JOINT	102-1	102
	REAR UNIVERSAL JOINT	103-1	103
	FRONT UNIVERSAL JOINTS.....	104-1	104
GROUP	10 FRONT AXLE		
	1000 - FRONT AXLE ASSEMBLY.....	105-1	
	DIFFERENTIAL BREATHER AND MOUNTING HARDWARE	105-1	105

TABLE OF CONTENTS (Con't)

			Page	Illus Fig
		1002 - DIFFERENTIAL	106-1	
		DIFFERENTIAL CASE AND COVER.....	106-1	106
		DIFFERENTIAL BEARINGS	107-1	107
		DIFFERENTIAL YOKE AND BEARINGS.....	108-1	108
		DIFFERENTIAL GROUP	109-1	109
		1003 - PLANETARY OR FINAL DRIVE.....	110-1	
		FINAL DRIVE ASSEMBLY.....	110-1	110
GROUP	11	REAR AXLE		
		1100 - REAR AXLE ASSEMBLY	111-1	
		DIFFERENTIAL BREATHER AND MOUNTING HARDWARE	111-1	111
		DIFFERENTIAL OSCILLATING SUPPORT AND UNIVERSAL YOKE	112-1	112
		1102 - DIFFERENTIAL	113-1	
		DIFFERENTIAL CASE AND COVER.....	113-1	113
		DIFFERENTIAL BEARINGS	114-1	114
		DIFFERENTIAL HOUSING AND BEVEL GEAR.....	115-1	115
		DIFFERENTIAL SUPPORT WBRICATION HOSES	116-1	116
		1103 - PLANETARY OR FINAL DRIVE.....	117-1	
		FINAL DRIVE ASSEMBLY.....	117-1	117
GROUP	12	BRAKES		
		1201 - HANDBRAKES.....	118-1	
		PARKING BRAKE LINKAGE	118-1	118
		PARKING BRAKE.....	119-1	119
		1202 - SERVICE BRAKES	120-1	
		SERVICE BRAKES.....	120-1	120
		1204 - HYDRAULIC BRAKE SYSTEM	121-1	
		BRAKE PISTON, LINES, AND FITTINGS.....	121-1	121
		BRAKE ACCUMULATOR	122-1	122
		1206 - MECHANICAL BRAKE SYSTEM	123-1	
		SERVICE BRAKE VALVE AND PEDAL	123-1	123
GROUP	13	WHEELS AND TRACKS		
		1311 - WHEELASSEMBLY	124-1	
		WHEEL ASSEMBLY	124-1	124
		1313 - TIRES, TUBES, TIRE CHAINS	125-1	
		TIRES	125-1	125
GROUP	14	STEERING		
		1401 - MECHANICAL STEERING GEAR ASSEMBLY	126-1	
		STEERING WHEEL AND COWMN	126-1	126
		1410 - HYDRAULIC PUMP OR FUWID MOTOR ASSEMBLY	127-1	
		SECONDARY STEERING PUMP	127-1	127
		SECONDARY STEERING CONTROL BOX AND RELAY.....	128-1	128
		1411 - HOSES, LINES, FITTINGS	129-1	
		SECONDARY STEERING PUMP LINES AND FITTINGS.....	129-1	129
		STEERING CYLINDER LUBRICATION HOSES	130-1	130
		PRIORITY VALVE HYDRAULIC LINES AND FITTINGS.....	131-1	131
		STEERING HOSES	132-1	132

TABLE OF CONTENTS (Con't)

		Page	Illus Fig
	1412 - HYDRAULIC OR AIR CYLINDERS.....	133-1	
	STEERING CYLINDER ASSEMBLY.....	133-1	133
	STEERING CYLINDER MOUNTING PINS.....	134-1	134
	1414 - STEERING SYSTEM VALVES.....	135-1	
	CROSSOVER RELIEF VALVE AND MOUNTING HARDWARE	135-1	135
	STEERING VALVE	136-1	136
	PRIORITY VALVE.....	137-1	137
GROUP	15	FRAME, TOWING ATTACHMENTS, DRAWBARS, AND ARTICULATION SYSTEMS	
	1501 - FRAME ASSEMBLY.....	138-1	
	ENGINE FRAME.....	138-1	138
	LOADER FRAME.....	139-1	139
	ENGINE COMPARTMENT STEP AND ENGINE FRAME STEPLADDER	140-1	140
	1502 - COUNTERWEIGHTS.....	141-1	
	COUNTERWEIGHT	141-1	141
	1503 - PINTLES AND TOWING ATTACHMENTS	142-1	
	PINTLE HOOK.....	142-1	142
GROUP	18	BODY, CAB, HOOD, AND HULL	
	1801 - BODY, CAB, HOOD, AND HULL ASSEMBLIES.....	143-1	
	TRANSMISSION BOTTOM GUARD, AND TRANSMISSION FRONT AND REAR BOTTOM GUARDS	143-1	143
	CAB AND MOUNTING HARDWARE.....	144-1	144
	CAB DOOR AND WINDOWS	145-1	145
	CAB FRESH AIR FILTER, DOOR, AND LOCK	146-1	146
	CAB DOOR HANDLE	147-1	147
	ROPS ACCESS DOOR	148-1	148
	CAB SOUND ISOLATORS	149-1	149
	CAB SKIRTS.....	156-1	150
	ENGINE HOOD.....	151-1	151
	ENGINE UPPER AND LOWER SIDESHIELDS.....	152-1	152
	TRANSMISSION SIDE GUARDS	153-1	153
	DASH PLATE AND HOUSING.....	154-1	154
	RIGHT PANEL AND FUSE BLOCK COVERS.....	155-1	155
	TAILLIGHT BRACKET	156-1	156
	1802 - FENDERS, RUNNING BOARDS WITH MOUNTING AND ATTACHING PARTS, OUTRIGGERS, WINDSHIELD, GLASS, ETC.....	157-1	
	REAR FENDER	157-1	157
	CAB WINDOWS	158-1	158
	CAB WINDOW FRAME AND GLASS.....	159-1	159
	1805 - FLOORS, SUBFLOORS, AND RELATED COMPONENTS	160-1	
	CAB FLOORMAT.....	160-1	160
	1806 - UPHOLSTERY, SEATS, AND CARPETS	161-1	
	SEAT ASSEMBLY	161-1	161
	SEAT ARMREST AND BACKREST BRACKETS	162-1	162
	SEAT SUSPENSION	163-1	163
	SEAT SUSPENSION DUST COVER.....	164-1	164
	SEAT LOWER BACK AND ANGLE ADJUSTERS.....	165-1	165
	TETHER AND SEATBELT.....	166-1	166
	SEAT SUPPORT AND REAR PANEL	167-1	167
	1808 - STOWAGE RACKS, BOXES, STRAPS, CARRYING CASES, CABLE REELS, HOSE REELS, E T C.	168-1	
	OPERATOR'S MANUAL HOLDER.....	168-1	168

TABLE OF CONTENTS (Con't)

			Page	Illus Fig
GROUP	20	HOIST, WINCH, CAPSTAN, WINDLASS, POWER CONTROL UNIT, AND POWER TAKE-OFF		
		2001 - HOIST, CAPSTAN, WINDLASS, CRANE, OR WINCH ASSEMBLY	169-1	
		ON-BOARD CRANE	169-1	169
GROUP	22	BODY CHASSIS, AND HULL ACCESSORY ITEMS		
		2202 - ACCESSORY ITEMS	170-1	
		FRONT WINDSHIELD WIPER AND SWITCH	170-1	170
		REAR WINDOW WIPER AND SWITCH	171-1	171
		WINDSHIELD WASHER TANK AND HOSES	172-1	172
		INSIDE MIRROR.....	173-1	173
		DEFROSTER.....	174-1	174
		DEFROSTER FAN.....	175-1	175
		2207 - WINTERIZATION EQUIPMENT	176-1	
		CAB HEATER CORE AND SEALS.....	176-1	176
		CAB HEATER HOUSING AND ISOLATORS.....	177-1	177
		CAB HEATER VENTILATORS AND DUCT HOSES.....	178-1	178
		CAB HEATER CLIMATE CONTROLS.....	179-1	179
		INSIDE CAB HEATER HOSES AND FITTINGS.....	180-1	180
		HEATER AND DEFROSTER RESISTORS	181-1	181
		CAB RECIRCULATING FILTER	182-1	182
		HEATER BLOWER MOTOR ASSEMBLY.....	183-1	183
		OUTSIDE CAB HEATER HOSES AND FITTINGS	184-1	184
		2210 - DATA PLATES AND INSTRUCTION HOLDERS.....	185-1	
		TRADEMARKS AND DECALS .1,	185-1	185
		CAB DECALS AND LABELS	186-1	186
GROUP	24	HYDRAULIC AND FLUID SYSTEMS		
		2401 - PUMP AND MOTOR	187-1	
		MAIN HYDRAULIC PUMP AND MOUNTING HARDWARE	187-1	187
		MAIN HYDRAULIC PUMP COMPONENT PARTS.....	188-1	188
		FORK/BRAKE HYDRAULIC PUMP COMPONENT PARTS.....	189-1	189
		2402 - MANIFOLD AND/OR CONTROL VALVES.....	190-1	
		FORKLIFT CONTROL VALVES	190-1	190
		2404 - TILT CYLINDERS AND TILT CRANK	191-1	
		LOCKING CONTROL VALVE.....	191-1	191
		CARRIAGE TILT CYLINDER.....	192-1	192
		2405 - MAST COLUMN.....	193-1	
		CARRIAGE ASSEMBLY	193-1	193
		FORKS.....	194-1	194
		FORK/BOOM ASSEMBLY.....	195-1	195
		CONVEYORIZED FORK ATTACHMENTS.....	196-1	196
		2406 - STRAINERS, FILTERS, LINES, AND FITTINGS, ETC.	197-1	
		FORK/BRAKE HYDRAULIC PUMP LINES AND FITTINGS.....	197-1	197
		HYDRAULIC RESERVOIR FITTINGS	198-1	198
		HYDRAULIC OIL RETURN FILTER, LINES, AND FITTINGS	199-1	199
		TRANSMISSION OIL COOLER HOSES AND FITTINGS.....	200-1	200

TABLE OF CONTENTS (Con't)

			Page	Illus Fig
GROUP	20	HOIST, WINCH, CAPSTAN, WINDLASS, POWER CONTROL UNIT,		
		2406 - STRAINERS, FILTERS, LINES, AND FITTINGS, ETC. (Con't)		
		FORK SPACING CYLINDER LINES AND FITTINGS.....	201-1	201
		FORK/BOOM CYLINDER HOSES AND FITTINGS.....	202-1	202
		CARRIAGE TILT CYLINDER HOSES AND FITTINGS.....	203-1	203
		CARRIAGE TILT AND FORK SPACING CYLINDERS LINES AND FITTINGS	204-1	204
		FORK/BOOM CYLINDER LINES AND FITTINGS	205-1	205
		CARRIAGE TILT, FORK SPACING, AND FORK/BOOM HOSES AND FITTINGS	206-1	206
		FORKLIFT CONTROL VALVE HOSES AND FITTINGS.....	207-1	207
		2407 - HYDRAULIC CYLINDERS	208-1	
		FORK SPACING CYLINDER	208-1	208
		FORK/BOOM CYLINDER	209-1	209
		2408 - LIQUID TANKS OR RESERVOIRS.....	210-1	
		HYDRAULIC RESERVOIR	210-1	210
GROUP	33	SPECIAL PURPOSE KITS		
		3303 - WINTERIZATION KITS	211-1	
		WINTERIZATION EQUIPMENT.....	211-1	211
GROUP	47	GAGES (NONELECTRICAL), WEIGHING AND MEASURING DEVICES		
		4702 - GAGES. MOUNTINGS, LINES, AND FITTINGS.....	212-1	
		HYDRAULIC OIL LEVEL SIGHT GAGE	212-1	212
GROUP	50	PNEUMATIC EQUIPMENT		
		5000 - AIR COMPRESSOR ASSEMBLY	213-1	
		AIR COMPRESSOR	213-1	213
GROUP	91	CHEMICAL, BIOLOGICAL, AND RADIOLOGICAL (CBR) EQUIPMENT		
		9120 - DECONTAMINATION EQ UIPMENT	214-1	
		DECONTAMINATION BRACKET	214-1	214
GROUP	94	REPAIR KITS		
		9401 - REPAIR KITS	KIT-1	
		REPAIR KITS.....	KIT-1	KITS
GROUP	95	GENERAL USE STANDARDIZED PARTS		
		9501 - BULK MATERIEL	BULK-1	
		BULK MATERIEL.....	BULK-1	BULK
SECTION	III	SPECIAL TOOLS		
GROUP	26	TOOLS AND TEST EQUIPMENT		
		2604 - SPECIALTOOLS	215-1	
		SPECIAL TOOLS.....	215-1	215
SECTION	IV	CROSS-REFERENCE INDEXES		
		NATIONAL STOCK NUMBER INDEX.....	I-1	
		PART NUMBER INDEX.....	I-26	
		FIGURE AND ITEM NUMBER INDEX	I-96	

**UNIT, DIRECT SUPPORT, AND GENERAL SUPPORT MAINTENANCE
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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 M544E Forklift Truck. 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 kits are listed separately in their own functional group within Section II. Repair parts for reparable special tools are also listed in the section. Items listed are shown on the associated illustration(s)/figure(s).

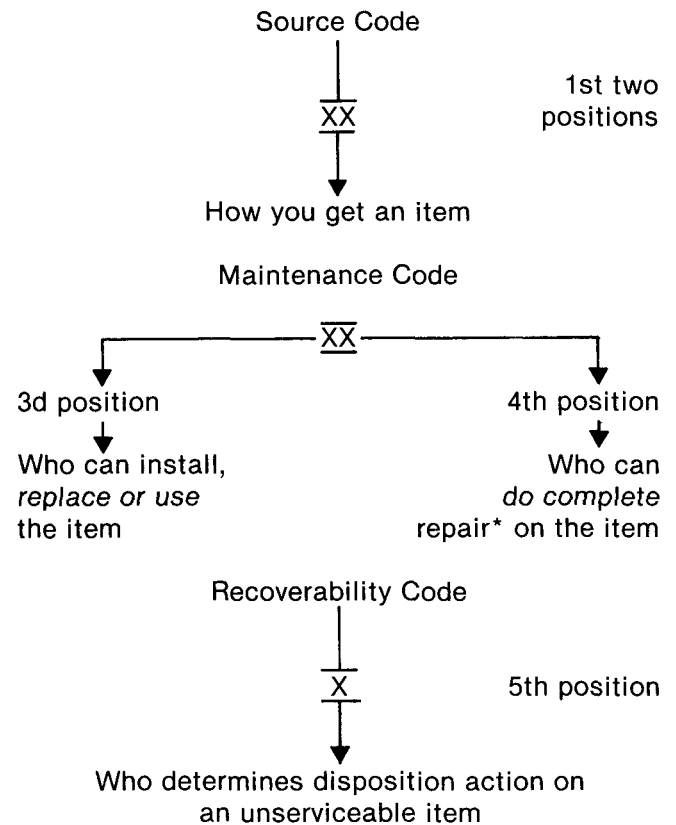
b. *Section III. Special Tools List.* A list of special tools, special TMDE, and other special support equipment authorized by this RPSTL (as indicated by Basis of Issue (BOI) information in DESCRIPTION AND USABLE ON CODE column) for the performance of maintenance.

c. *Section IV Cross-reference Indexes.* A list, in National Item Identification Number (NIIN) 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. The figure and item number index lists figure and item numbers in alphanumeric sequence and cross-references NSN, CAGE, and part numbers.

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:



**Complete 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 an end item/equipment. Explanations of source codes follows:

<u>Code</u>	<u>Application/Explanation</u>
<i>PA</i>	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.
<i>PB</i>	
<i>PC**</i>	
<i>PD</i>	
<i>PE</i>	
<i>PF**</i>	Items coded PC are subject to deterioration.
<i>PG</i>	
<i>KD</i>	Items with these codes are not to be 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.
<i>kF</i>	
<i>KB</i>	
<i>M</i> -(Made at UM/AVUM Level)	Items with these codes are not to be requested/requisitioned individually. They must be made from bulk material which is identified by the part number in the DESCRIPTION AND USABLE ON CODE (UOC) column and listed in the Bulk Material group of the repair parts list in this RPSTL. If the item is authorized to you by the 3d position code of the SMR code, but the source code indicates it is made at a higher level, order the item from the higher level of maintenance.
<i>MF</i> -(Made at DSI AVUM Level)	
<i>MH</i> -(Made at GS Level)	
<i>ML</i> -(Made at Specialized Repair Activity (SRA))	
<i>MD</i> -(Made at Depot)	
<i>AO</i> -(Assembled by UMI AVUM Level)	Items with these codes are not to be requested/requisitioned individually. The parts that make up the assembled item must be requisitioned or fabricated and assembled at the level of maintenance indicated by the source code. If the 3d position code of the SMR code authorizes you to replace the item, but the source code indicates the item is assembled at a higher level, order the item from the higher level of maintenance.
<i>AF</i> -(Assembled by DS/AVIM Level)	
<i>AH</i> -(Assembled by GS Category)	
<i>AL</i> -(Assembled by SRA)	
<i>AD</i> -(Assembled by Depot)	
<i>XA</i> -	Do not requisition an "XA"-coded item. Order its next higher assembly. (Also refer to the NOTE following.)
<i>XB</i> -	If an "XB" item is not available from salvage, order it using the CAGE and part number given.
<i>XC</i> -	Installation drawing, diagram, Instruction sheet, field service drawing, that is identified

by the manufacturer's part number.
XD - Item is not stocked. Order an "XD"-coded item through normal supply channels using the CAGE and part number given, if no NSN is available.

NOTE : Cannibalization or controlled exchange, when authorized, may be used as a source of supply for items with the above source codes, except for those source coded "XA" or those aircraft support items restricted by requirements of AR 700-42.

(2) *Maintenance Code.* Maintenance codes tell you the level(s) of maintenance authorized to USE and REPAIR support items. The maintenance codes are entered in the third and fourth positions of the SMR code as follows:

(a) The maintenance code entered in the third position tells you the lowest maintenance level authorized to remove, replace, and use an item. The maintenance code entered in the third position will indicate authorization to one of the following levels of maintenance.

<u>Code</u>	<u>Application/Explanation</u>
<i>C</i> -	Crew or operator maintenance done within unit maintenance or aviation unit maintenance.
<i>O</i> -	Unit maintenance or aviation unit category can remove, replace, and use the item.
<i>F</i> -	Direct support or aviation intermediate level can remove, replace, and use the item.
<i>H</i> -	General support level can remove, replace, and use the item.
<i>L</i> -	Specialized repair activity can remove, replace, and use the item.
<i>D</i> -	Depot level can remove, replace, and use the item.

b) The maintenance code entered in the fourth position tells whether or not the item is to be repaired and identifies the lowest maintenance level with the capability to do complete repair (i.e., perform all authorized repair functions). (NOTE: Some limited repair may be done on the item at a lower level of maintenance, if authorized by the Maintenance Allocation Chart (MAC) and SMR codes.) This position will contain one of the following maintenance codes:

<u>Code</u>	<u>Application/Explanation</u>
<i>O</i> -	Unit maintenance or aviation unit is the lowest level that can do complete repair of the item.
<i>F</i> -	Direct support or aviation Intermediate is the lowest level than can do complete repair of the item.