TECHNICAL MANUAL

INTERMEDIATE DIRECT SUPPORT
AND
INTERMEDIATE GENERAL SUPPORT
MAINTENANCE
REPAIR PARTS AND SPECIAL TOOLS LIST

CRANE, TRUCK MOUNTED
HYDRAULIC 25 TON (CCE)
NSN 3810-01-054-9779

GROVE MODEL TM S-300-5

SUPERSEDES COPY DATED 10 APRIL 1987 AND ALL CHANGES.
Approved for Public Release; Distribution is Unlimited

HEADQUARTERS, DEPARTMENT OF THE ARMY

JANUARY 1989

TECHNICAL MANUAL

TM 5-3810-300-34P*

HEADQUARTERS
DEPARTMENT OF THE ARMY
Washington, D.C., 15 January, 1989

INTERMEDIATE DIRECT SUPPORT AND
INTERMEDIATE GENERAL SUPPORT MAINTENANCE
REPAIR PARTS AND SPECIAL TOOLS LIST

CRANE, TRUCK MOUNTED
HYDRAULIC 25 TON (CCE)
NSN 3810-01-054-9779
GROVE MODEL TM S-300-5
Current as of 27 SEPTEMBER 1988.

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 back of this manual direct to: U.S. Army Tank-Automotive Command, ATTN: AMSTA-MB Warren, MI 48397-5000. A reply will be furnished to you

Box Text Approved for public release; distribution is unlimited.

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 ASSEMBLY	1-1	1
	0101-CRANKCASE, BLOCK, CYLINDER HEAD	2-1	
	CYLINDER BLOCK	2-1	2
	CYLINDER HEAD	3-1	3
	0102-CRANKSHAFT	4-1	
	CRANKSHAFT AND FRONT COVER	4-1	4
	VIBRATION DAMPER AND CRANKSHAFT REAR OILSEAL	5-1	5
	0103-FLYWHEEL ASSEMBLY	6-1	
	FLYWHEEL AND FLYWHEEL HOUSING	6-1	6
	0104-PISTONS, CONNECTING RODS	7-1	
	CONNECTING ROD AND PISTON (CROSSHEAD)	7-1	7
	0105-VALVES, CAMSHAFTS AND TIMING SYSTEM	8-1	
	CAMSHAFT AND GEAR TRAIN	8-1	8
	IDLER GEAR	9-1	9
	BALANCE WEIGHT COVER	10-1	10

* **SUPERSEDES TM 5-3810-300-34P DATED 10 APRIL 1987 and all changes.**

TABLE OF CONTENTS

		PAGE	ILLUS FIG
	ROCKER ARM ASSEMB	11-1	11
	EXHAUST VALVES	12-1	12
	ROCKER ARM COVER	13-1	13
	0106-ENGINE LUBRICATION SYSTEM	14-1	
	OIL PRESSURE REGULATOR	14-1	14
	OIL PUMP ASSEMBLY	15-1	15
	OIL FILTER	16-1	16
	OIL COOLER	17-1	17
	OIL PAN	18-1	18
	OIL FILLER AND DIPSTICK	19-1	19
	0108-MANIFOLDS	20-1	
	EXHAUST MANIFOLD	20-1	20
GROUP 02	CLUTCH		
	0200-CLUTCH ASSEMBLY	21-1	
	CLUTCH ASSEMBLY	21-1	21
	CLUTCH HOUSING AND RELATED PARTS	22-1	22
	0207-HYDRAULIC CLUTCH SYSTEM	23-1	
	SLAVE CYLINDER AND RELATED PARTS	23-1	23
	CLUTCH MASTER CYLINDER AND SLAVE CYLINDER HYDRAULIC LINES	24-1	24
	CLUTCH MASTER CYLINDER	25-1	25
GROUP 03	FUEL SYSTEM		
	0301-CARBURETOR, FUEL INJECTOR	26-1	
	CARBURETOR ASSEMBLY	26-1	26
	FUEL INJECTOR27-1	27-1	
	POWER CONTROL AND TORQUE LIMIT CONTROL	28-1	28
	INJECTOR CONTROL	29-1	29
	0302-FUEL PUMPS	30-1	
	FUEL PUMP, PERSONNEL HEATER	30-1	30
	FUEL PUMP ASSEMBLY	31-1	31
	0304-AIR CLEANER	32-1	
	AIR CLEANER AND RELATED PARTS	32-1	32
	AIR CLEANER ASSEMBLY	33-1	33
	AIR INLET HOUSING	34-1	34
	AIR INLET HOUSING AND AIR CLEANER ADAPTER	35-1	35
	0305-SUPERCHARGER, BLOWER.TURBOCHARGER.OR ALTITUDE COMPENSATOR	36-1	
	BLOWER ASSEMBLY	36-1	36
	BLOWER DRIVE	37-1	37
	0306-TANKS, LINES, FITTINGS, HEADERS	38-1	
	FUEL TANK	38-1	38
	FUEL TANK ASSEMBLY, HEATER	39-1	39
	FUEL LINES AND FITTINGS	40-1	40
	FUEL MANIFOLD	41-1	41
	0308-ENGINE SPEED GOVERNOR AND CONTROLS	42-1	
	LIMITING SPEED GOVERNOR	42-1	42
	GOVERNOR WEIGHT SHAFT AND HOUSING	43-1	43
	0309-FUEL FILTERS	44-1	
	FUEL FILTERS AND STRAINER	44-1	44
	0311-ENGINE STARTING AIDS	45-1	
	QUICK START	45-1	45
	0312-ACCELERATOR, THROTTLE OR CHOKE CONTROLS	46-1	
	THROTTLE CYLINDER WITH FLOATING PISTON AND FAST IDLER	46-1	46

TABLE OF CONTENTS

		PAGE	ILLUS FIG
	THROTTLE	47-1	47
	AIR THROTTLE TREADLE AND VALVE ASSEMBLY	48-1	48
	AIR THROTTLE CONTROL	49-1	49
	THROTTLE CONTROL	50-1	50
GROUP 04	EXHAUST SYSTEM		
	0401-MUFFLER AND PIPES	51-1	
	MUFFLER AND RELATED PARTS	51-1	51
GROUP 05	COOLING SYSTEM		
	0501-RADIATOR, EVAPORATIVE COOLER OR		
	HEAT EXCHANGER	52-1	
	RADIATOR AND OIL COOLER	52-1	52
	0502-COWLING. DEFLECTORS, AIR DUCTS, SHROUDS, ETC	53-1	
	SHROUD ASSEMBLY	53-1	53
	0503-WATER MANIFOLD. HEADERS. THERMOSTATS		
	AND HOUSING GASKET	54-1	
	WATER OUTLET MANIFOLD	54-1	54
	0504-WATER PUMP	55-1	
	FRESH WATER PUMP	55-1	55
GROUP 06	ELECTRICAL SYSTEM		
	0601-GENERATOR, ALTERNATOR	56-1	
	GENERATOR AND RELATED PARTS:	56-1	56
	0603-STARTING MOTOR	57-1	
	STARTING MOTOR	57-1	57
	0605-IGNITION COMPONENTS	58-1	
	BURNER HEAD	58-1	58
	0606-ENGINE SAFETY CONTROLS	59-1	
	SOLENOID ASSEMLBY	59-1	59
	0607-INSTRUMENT OR ENGINE CONTROL PANEL	60-1	
	CRANE INSTRUMENT CONTROL PANEL	60-1	60
	CARRIER INSTRUMENT CONTROL PANEL	61-1	61
	TOGGLE SWITCH	62-1	62
	TACHOMETER DRIVE	63-1	63
	0608-MISCELLANEOUS ITEMS	64-1	
	FUSE AND CONNECTOR PANEL ASSEMBLY	64-1	64
	JUNCTION BOX ASSEMBLY	65-1	65
	JUNCTION BOX AND RELATED PARTS	66-1	66
	SLIP RING ASSEMBLY	67-1	67
	SLIP RING AND RELATED PARTS	68-1	68
	0609-LIGHTS	69-1	
	LAMP ASSEMBLY	69-1	69
	EXTERIOR LIGHTS	70-1	70
	FLOODLIGHTS	71-1	71
	0610-SENDING UNITS AND WARNING SWITCHES	72-1	
	TRANSMITTER UNIT, BOOM INDICATOR	72-1	72
	SENDING UNITS AND WARNING SWITCHES	73-1	73
	0611-HORN, SIREN	74-1	
	HORN	74-1	74
	SWING HORN	75-1	75
	0612-BATTERIES, STORAGE	76-1	
	BATTERY AND CABLES	76-1	76
	0613-CHASSIS WIRING HARNESS	77-1	
	WIRING HARNESS CAB, MISCELLANEOUS	77-1	77

TABLE OF CONTENTS

		PAGE	ILLUS FIG
	WIRING HARNESS CARRIER	78-1	78
	WIRING HARNESS ENGINE	79-1	79
	WIRING HARNESS CAB INTERIOR	80-1	80
GROUP 07	TRANSMISSION		
	0700-TRANSMISSION ASSEMBLY	81-1	
	FULLER TRANSMISSION	81-1	81
	TRANSMISSION CASE AND RELATED PARTS	82-1	82
	0701-TRANSMISSION SHAFTS	83-1	
	REAR COVER AND SYNCHRONIZER ASSEMBLY	83-1	83
	OUTPUT SHAFT AND AUXILIARY DRIVE GEAR ASSEMBLY	84-1	84
	INTERMEDIATE SECTION AND AUXILIARY COUNTER SHAFT ASSEMBLY	85-1	85
	COUNTER SHAFT	86-1	86
	MAIN SHAFT	87-1	87
	MAIN SHAFT BEARING. MAIN DRIVE GEAR AND IDLER GEAR ASSEMBLY	88-1	88
	HORIZONTAL SHAFT	89-1	89
	HORIZONTAL SHAFT AND RELATED PARTS	90-1	90
	0704-TRANSMISSION TOP COVER ASSEMBLY	91-1	
	SHIFT BAR HOUSING, YOKES AND BARS	91-1	91
	RANGE CYLINDER AND INTERMEDIATE CYLINDER ASSEMBLY	92-1	92
	0705-TRANSMISSON SHIFTING COMPONENTS	93-1	
	TRANSMISSION SHIFTING COMPONENTS	93-1	93
	MASTER CONTROL UNIT ASSEMBLY	94-1	94
	SLAVE CYLINDER	95-1	95
	0714-SERVO UNIT	96-1	
	SLAVE UNIT CONTROL ASSEMBLY	96-1	96
	0721-COOLERS, PUMPS, MOTORS	97-1	
	FLOW CONTROL VALVE	97-1	97
GROUP 09	PROPELLER, PROPELLER SHAFTS. UNIVERSAL JOINTS COUPLER AND CLAMP ASSEMBLY		
	0900-PROPELLER SHAFTS	98-1	
	PROPELLER SHAFT	98-1	98
	PROPELLER SHAFT ASSEMBLY	99-1	99
GROUP 10	FRONT AXLE		
	1000-FRONT AXLE ASSEMBLY	100-1	
	FRONT AXLE	100-1	100
	1004-STEERING AND LEANING WHEEL MECHANISM	101-1	
	STEERING KNUCKLE AND RELATED PARTS	101-1	101
GROUP 11	REAR AXLE		
	1100-REAR AXLE ASSEMBLY	102-1	
	REAR AXLE	102-1	102
	1101-HOUSING, BEAM, HOUSING COVERS, PLUGS, SEALS, ETC	103-1	
	REAR AXLE BEAM	103-1	103
	REAR REAR AXLE HOUSING	104-1	104
	AXLE STOP	105-1	105
	FORWARD REAR AXLE HOUSING	106-1	106

TABLE OF CONTENTS

		PAGE	ILLUS FIG
	1102-DIFFERENEIAL	107-1	
	INNER AXLE SHAFT	107-1	107
	REAR REAR DIFFERENTIAL CARRIER ASSEMBLY	108-1	108
	FORWARD REAR DIFFERENTIAL CARRIER ASSEMBLY	109-1	109
GROUP 12	BRAKES		
	1201-HANDBRAKE LEVER AND CABLE ASSEMBLY	110-1	
	HANDBRAKE LEVER AND CABLE ASSEMBLY	110-1	110
	1202-SERVICE BRAKES	111-1	
	WEDGE ASSEMBLY	111-1	111
	REAR BRAKE ASSEMBLY	112-1	112
	FRONT BRAKE ASSEMBLY	113-1	113
	1206 MECHANICAL BRAKE SYSTEM	114-1	
	SWING BRAKE PEDAL	114-1	14
	1208-AIR BRAKE SYSTEM	115-1	
	DUAL BRAKE VALVE ASSEMBLY	115-1	115
	BRAKE CONTROL VALVE ASSEMBLY	116-1	116
	FAILSAFE CHAMBER ASSEMBLY	117-1	117
	ALCOHOL EVAPORATOR COMPONENTS	118-1	118
	ALCOHOL EVAPORATOR ASSEMBLY	119-1	119
	CHECK VALVE (ALCOHOL EVAPORATOR) AND AIR BRAKE CHAMBER ASSEMBLY	120-1	120
	REAR AXLE AIR BRAKE LINES AND FITTING	121-1	121
	AIR REGULATOR VALVE AND AIR FILTER	122-1	122
	AIR BRAKE SYSTEM LINES AND FITTINGS	123-1	123
	AIR BRAKE VALVES, LINES AND FITTINGS	124-1	124
	AIR BRAKE LINES AND FITTINGS	125-1	125
	RELAY VALVE	126-1	126
	SELECTOR AND SLAVE VALVES	127-1	127
	RELAY VALVES, AIR RESERVOIR AND RELATED COMPONENTS	128-1	128
GROUP 13	WEELS AND TRACKS		
	1311-WHEEL ASSEMBLY	129-1	
	REAR AXLE WHEEL ASSEMBLY	129-1	129
	FRONT AXLE WHEEL ASSEMBLY	130-1	130
	FRONT AND REAR WHEEL	131-1	131
	1313-TIRES, TUBES, TIRE CHAINS	132-1	
	FRONT AND REAR TIRE	132-1	132
GROUP 14	STEERING		
	1401-MECHANICAL STEERING GEAR ASSEMBLY	133-1	
	STEERING WHEEL AND STEERING COLUMN	133-1	133
	STEERING COLUMN ASSEMBLY	134-1	134
	DRAG LINK, RELAY ARM AND COMPONENTS	135-1	135
	DRAG LINK ASSEMBLY	136-1	136
	STEERING GEAR ASSEMBLY	137-1	137
	1410-HYDRAULIC PUMP OR FLUID MOTOR ASSEMBLY	138-1	
	HYDRAULIC PUMP	138-1	138
	1411-HOSES, LINES, FITTINGS	139-1	
	POWER STEERING HOSES, LINES AND FITTINGS	139-1	139
	1412-HYDRAULIC OR AIR CYLINDERS	140-1	
	STEER CYLINDER ASSEMBLY	140-1	140
	1413-TANKS, RESERVOIRS	141-1	
	POWER STEERING RESERVOIR	141-1	141

TABLE OF CONTENTS

		PAGE	ILLUS FIG
	1414-STEERING SYSTEM VALVES	142-1	
	STEERING VALVE ASSEMBLY	142-1	142
GROUP 15	FRAME, TOWING ATTACHMENTS, DRAWBARS		
	1501-FRAME ASSEMBLY	143-1	
	HYDRAULIC RESERVOIR ACCESS LADDER	143-1	143
	ACCESS LADDER	144-1	144
	1502-COUNTERWEIGHTS	145-1	
	COUNTERWEIGHT	145-1	145
	1504-SPARE WHEEL CARRIER AND TIRE LOCK	146-1	
	SPARE TIRE HANGER	146-1	146
GROUP 16	SPRINGS AND SHOCK ABSORBERS		
	1601-SPRINGS	147-1	
	SPRINGS	147-1	147
	1605-TORQUE, RADIUS AND STABILIZER RODS	148-1	
	TORQUE RODS	148-1	148
GROUP 18	BODY, CAB, HOOD AND HULL		
	1801-BODY, CAB, HOOD AND HULL ASSEMBLIES	149-1	
	CARRIER CAB ASSEMBLY	149-1	149
	CAB SIDE COVER	150-1	150
	SIDE DOOR	151-1	151
	CARRIER CAB ACOUSTICS	152-1	152
	CAB ACOUSTICS	153-1	153
	ENGINE HOOD ASSEMBLY	154-1	154
	MUD GUARD	155-1	155
	CAB WELDMENT	156-1	156
	DOOR ASSEMBLY	157-1	157
	CRANE CAB ASSEMBLY	158-1	158
	CRANE CAB COMPONENTS	159-1	159
	1802-FENDERS, RUNNING BOARDS WITH MOUNTING AND ATTACHING PARTS, OUTRIGGERS, WINDSHIELD, GLASS, ETC	160-1	
	CARRIER CAB GLASS	160-1	160
	CRANE CAB GLASS	161-1	161
	CRANE CAB WINDSHIELD AND ROOF GLASS	162-1	162
	FRONT AND REAR FENDERS	163-1	163
	OUTRIGGER FLOAT ASSEMBLY	164-1	164
	OUTRIGGER BEAM ASSEMBLY	165-1	165
	1806-UPHOLSTERY SEATS	166-1	
	SUN VISOR	166-1	166
	CRANE OPERATORS SEAT	167-1	167
	CARRIER DRIVERS SEAT	168-1	168
	1808-STOWAGE RACKS, BOXES, STRAPS, CARRYING CASES, CABLE REELS, HOSE REELS, ETC	169-1	
	AUTO HOSE REEL ASSEMBLY WITH HOSE	169-1	169
	AUTO HOSE REEL ASSEMBLY	170-1	170
	SLING BOX	171-1	171
GROUP 22	BODY, CHASSIS AND HULL ACCESSORY ITEMS		
	2202-ACCESSORY ITEMS	172-1	
	CAB HEATER ASSEMBLY (CRANE)	172-1	172
	CONTROL PANEL AND THERMOSTAT CONTROL ASSEMBLY	173-1	173
	CASE AND HEATER EXCHANGR	174-1	174
	HEATER, DEFROSTER AND RELATED PARTS	175-1	175

TABLE OF CONTENTS

		PAGE	ILLUS FIG
	REAR VIEW MIRROR	176-1	176
	MIRRROR HEAD AND LOOP ASSEMBLY	177-1	177
	MOTOR AND BLOWER	178-1	178
	CARRIER CAB WINDSHIELD WASHER	179-1	179
	CARRIER CAB ELECTRIC WINDSHIELD WIPER	180-1	180
	CRANE CAB WINDSHIELD WASHER AND WIPER	181-1	181
	CRANE CAB WINDSHIELD STOWAGE COMPARTMENT	182-1	182
	2210-DATA PLATES AND INSTRUCTION HOLDERS	183-1	
	DATA PLATES	183-1	183
GROUP 24	HYDRAULIC AND FLUID SYSTEMS		
	2401-PUMP AND MOTOR	184-1	
	PUMP DRIVE ASSEMBLY	184-1	184
	TWO SECTION PUMP	185-1	185
	2402-MANIFOLD AND/OR CONTROL VALVES	186-1	
	SUCTION MANIFOLD AND COMPONENTS	186-1	186
	HYDRAULIC MANIFOLD	187-1	187
	SEQUENCE VALVE ASSEMBLY	188-1	188
	CHECK VALVE CARTRIDGE ASSEMBLY	189-1	189
	OUTRIGGER SELECTOR VALVE	190-1	190
	OUTRIGGER SELECTOR VALVE ASSEMBLY	191-1	191
	VALVE STACK ASSEMBLY	192-1	192
	8 PORT HYDRAULIC SWIVEL ASSEMBLY	193-1	193
	CONTROL VALVE ASSEMBLY	194-1	194
	3 BANK VALVE ASSEMBLY A35 SERIES	195-1	195
	1 BANK VALVE ASSEMBLY A35 SERIES	196-1	196
	2 BANK VALVE ASSEMBLY A20 SERIES	197-1	197
	1 BANK VALVE ASSEMBLY A20 SERIES	198-1	198
	1 BANK VALVE ASSEMBLY COUNTERWEIGHT REMOVAL	199-1	199
	2403-HYDRAULIC CONTROLS ANDIOR MANUAL CONTROLS	200-1	
	CONTROL LEVERS	200-1	200
	FREE FALL CONTROL HANDLE MOUNTED (AUXILIARY HOIST)	201-1	201
	CONTROL LINKAGE	202-1	202
	2405-MAST COLUMN	203-1	
	LIFT CYLINDER	203-1	203
	LIFT CYLINDER ASSEMBLY	204-1	204
	2406-STRAINERS, FILTERS, LINES AND FITTINGS, ETC	205-1	
	TELESCOPE MID LINES AND FITTINGS	205-1	205
	OUTRIGGER HYDRAULIC LINES AND FITTINGS	206-1	206
	SUPPLY, PRESSURE AND RETURN LINES AND FITTINGS	207-1	207
	COUNTERWEIGHT HYDRAULIC LINES	208-1	208
	CARRIER TUBE SUPPORT	209-1	209
	SUPPLY, PRESSURE AND RETURN, MAIN AND AUXILIARY HOISTS LINES AND FITTINGS	210-1	210
	LIFT HYDRAULIC LINES AND FITTINGS	211-1	211
	HYDRAULIC SUCTION TUBE	212-1	212
	HYDRAULIC LINES AND FITTINGS (SWINGBOX AND BRAKE ASSEMBLY)	213-1	213
	HYDRAULIC OIL FILTER	214-1	214
	2407-HYDRAULIC CYLINDERS	215-1	
	COUNTERWEIGHT MOVER CYLINDER ASSEMBLY	215-1	215
	OUTRIGGER CYLINDER ASSEMBLY	216-1	216
	JACK CYLINDER ASSEMBLY	217-1	217
	MASTER CYLINDER ASSEMBLY (SWING BRAKE)	218-1	218
	RELIEF VALVE ASSEMBLY	219-1	219

TABLE OF CONTENTS

		PAGE	ILLUS FIG
	TELESCOPE CYLINDER ASSEMBLY	220-1	220
	2408-LIQUID TANKS OR RESERVOIRS	221-1	
	HYDRAULIC RESERVOIR ASSEMBLY	221-1	221
GROUP 74	CRANES, SHOVELS AND EARTHMOVING EQUIPMENT COMPONENTS		
	7411-CRANE DRAGLINE OR CLAMSHELL ATTACHMENTS	222-1	
	BOOM PIVOT SHAFT	222-1	222
	HEADACHE BALL ASSEMBLY	223-1	223
	PIVOT HOOK BLOCK ASSEMBLY	224-1	224
	JIB BOOM SUPPORTS	225-1	225
	SHEAVE WHEEL ASSEMBLY	226-1	226
	JIB	227-1	227
	BASE SECTION TRAPEZOIDAL BOOM ASSEMBLY	228-1	228
	INNER MID SECTION TRAPEZOIDAL BOOM ASSEMBLY	229-1	229
	FLY SECTION TRAPEZOIDAL BOOM ASSEMBLY	230-1	230
	FLY SECTION	231-1	231
	7413-PILE DRIVE ATTACHMENT	232-1	
	PILE DRIVER SUPPORTS	232-1	232
	7417-HOISTS	233-1	
	DRUM AND HOIST BASE ASSEMBLY	233-1	233
	DRIVER ASSEMBLY	234-1	234
	OPEN WEDGE SOCKET ASSEMBLY AND CABLE	235-1	235
	IDLER DRUM AND CABLE FOLLOWER	236-1	236
	LEVEL WIND	237-1	237
	FREE FALL FINAL DRIVE ASSEMBLY	238-1	238
	PUMP AND HOUSING ASSEMBLY	239-1	239
	END COVER AND RELATED PARTS	240-1	240
	PRIMARY DRIVE ASSEMBLY	241-1	241
	MOTOR ASSEMBLY	242-1	242
	FREE FALL HOIST ATTACHING HARDWARE	243-1	243
	HOIST MOUNTING STRUCTURE COVERS	244-1	244
	INDICATOR ASSEMBLY	245-1	245
	7419-TURNTABLE	246-1	
	SWING BOX AND BRAKE ASSEMBLY	246-1	246
	SWING BOX COMPONENTS	247-1	247
	SWING BOX COMPONENTS AND RELATED PARTS	248-1	248
	ORBIT MOTOR	249-1	249
	MECHANICAL BRAKE SYSTEM	250-1	250
	HYDRAULIC DISC BRAKE SWING BOX	251-1	251
	ELECTRO ASSEMBLY	252-1	252
	BEARING BOLT, TURNTABLE LOCK AND PINION GUARD	253-1	253
	TURNTABLE AND DRIVE ASSEMBLY WITH KEENE BEARING	254-1	254
	SWING BRAKE CONTROLS	255-1	255
	7427-MISCELLANEOUS VALVES	256-1	
	HOLDING VALVE ASSEMBLY	256-1	256
	CARTRIDGE HOLDING VALVE ASSEMBLY	257-1	257
GROUP 95	REPAIR KITS		
	9501-REPAIR KITS	KIT-1	
	KIT	KIT-1	KIT

TABLE OF CONTENTS

	PAGE	ILLUS FIG
SECTION III. SPECIAL TOOLS LIST (NOT APPLICABLE)		
SECTION IV. CROSS REFERENCE INDEXES		
NATIONAL STOCK NUMBER INDEX	I-1	
PART NUMBER INDEX	I-25	
FIGURE AND ITEM NUMBER INDEX	I-121	

INTERMEDIATE DIRECT SUPPORT
AND
INTERMEDIATE GENERAL SUPPORT MAINTENANCE
REPAIR PARTS AND SPECIAL TOOLS LISTS

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 performnance of Intermediate Direct Support and Intermediate General Support Maintenance of the Crane, Truck Mounted. It authorizes the requisitioning, issue, and disposition of spares, repair padts 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 iillustration(s)/figure(s).

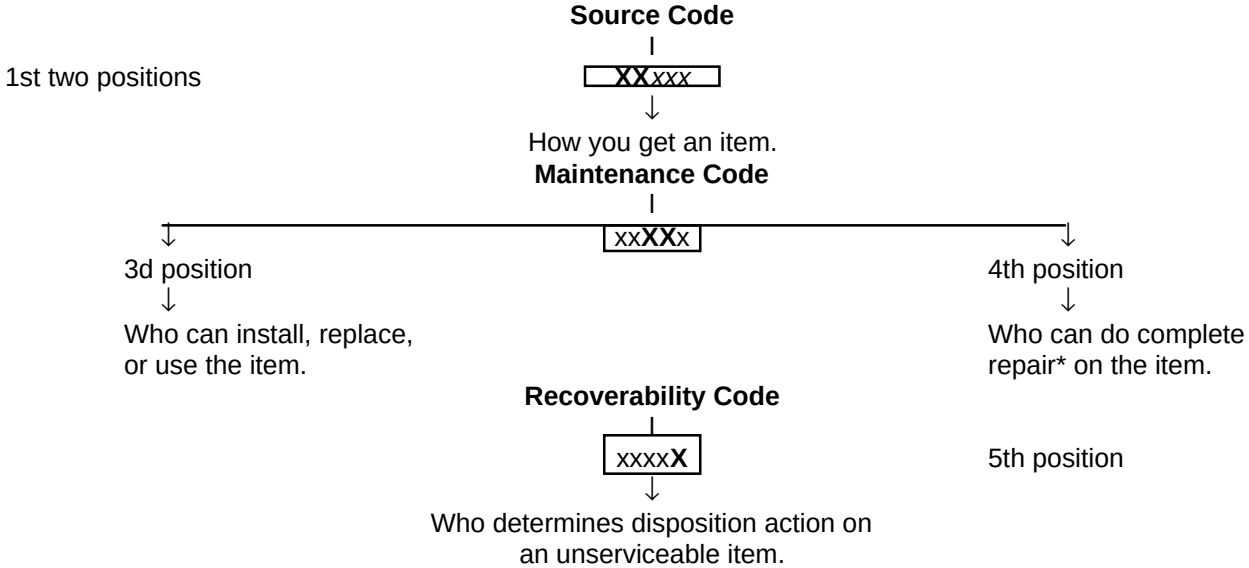
b*. Section III. Special Tools List.* A list of special tools, special TMDE, and other special support equipment authorized by this RPSTL (as indicated by Basis of Issue (BOI) information in DESCRIPTION AND USABLE ON CODE column) for the performance of maintenance.

c*. Section IV. Cross-reference Indexes.* A list, in National Item Identification Number (NilIN) 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, FSCM or CAGE, and part numbers.

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

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 over-haul of an end item/equipment. Explanations of source codes follows: