

TECHNICAL MANUAL
ORGANIZATIONAL MAINTENANCE
REPAIR PARTS AND SPECIAL TOOLS LIST

**CRANE, SHOVEL, TRUCK MOUNTED,
20 TON, 314 CU YD., GED 6 x 6
NSN 3810-000861 8088**

HARNISCHFEGER MODEL M320T

**HEADQUARTERS, DEPARTMENT OF THE ARMY
JUNE 1985**

TECHNICAL MANUAL

TM 5-3810-288-20P

HEADQUARTERS
DEPARTMENT OF THE ARMY
Washington, DC 11 June 1985

ORGANIZATIONAL MAINTENANCE
REPAIR PARTS AND SPECIAL TOOLS LISTS

CRANE, SHOVEL, TRUCK MOUNTED, 20 TON, 3/4 CU YD., GED 6 X 6
NSN 3810-00-861-8088
HARNISCHFEGGER MODEL M320T
CURRENT AS OF
CURRENT AS OF 2, AUGUST 1984

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.

TABLE OF CONTENTS

		Page	Illus Fig
SECTION I.	INTRODUCTION	1	
SECTION II.	REPAIR PARTS LIST	7	
GROUP 01	ENGINE		
	0101- CRANKCASE, BLOCK, CYLINDER HEAD.....	7	
	CARRIER ENGINE BLOCK DRAIN.....	7	1
	CARRIER ENGINE WATER CONNECTION FOR AIR		
	COMPRESSOR AND HEATER	9	2

***This publication supersedes TM 5-3810-288-20P dated 27 October 1970 and all changes.**

TABLE OF CONTENTS

	Page	Illus Fig
0105- VALVES, CAMSHAFT AND TIMING SYSTEM.....	11	
CRANE ENGINE ROCKER ARM COVER ASSEMBLY	11	3
CARRIER ENGINE ROCKER ARM COVER ASSEMBLY	13	4
0106- ENGINE LUBRICATION SYSTEM.....	15	
CRANE OIL FUME EXTRACTOR	15	5
OIL FUME EXTRACTOR EXPLODED VIEW	17	6
CRANE ENGINE OIL FILTER.....	19	7
CRANE ENGINE OIL FILTER EXPLODED VIEW	21	8
CRANE ENGINE OIL COOLER ASSEMBLY.....	23	9
CRANE ENGINE LEVEL INDICATOR AND OIL PAN	25	10
CRANE ENGINE OIL FILLER TUBE	27	11
CARRIER ENGINE OIL FUME EXTRACTOR	29	12
CARRIER ENGINE OIL FILTER	31	13
CARRIER ENGINE OIL FILTER ASSEMBLY.....	33	14
CARRIER ENGINE OIL COOLER ASSEMBLY	35	15
CARRIER ENGINE OIL COOLER EXPLODED VIEW	37	16
CARRIER ENGINE OIL LEVEL GAUGE AND OIL PAN	39	17
CARRIER ENGINE OIL PRESSURE RELIEF VALVE	41	18
CARRIER ENGINE OIL FILLER	43	19
0108- MANIFOLDS	45	
CRANE ENGINE INTAKE AND EXHAUST MANIFOLD.....	45	20
CARRIER ENGINE INTAKE MANIFOLD.....	47	21
CARRIER ENGINE EXHAUST MANIFOLD.....	49	22
GROUP 02		
CLUTCH		
0200- CLUH ASSEMBLY	51	
CARRIER TRANSMISSION CLUTCH ASSEMBLY AND CLUTCH, SHAFT	51	23
0202- CLUTCH RELEASE MECHANISM	53	
CRANE CLUTCH RELEASE FORK.....	53	24
CRANE CLUTCH RELEASE COMPONENTS.....	55	25
CARRIER CLUTCH RELEASE MECHANISM.....	57	26
GROUP 03		
FUEL SYSTEM		
0301- CARBURETOR, FUEL INJECTOR.....	59	
CRANE ENGINE CARBURETOR.....	59	27
CARRIER ENGINE CARBURETOR	61	28
0302- FUEL PUMP.....	63	
CRANE ENGINE FUEL PUMP	63	29
CARRIER ENGINE FUEL PUMP	65	30
0304- AIR CLEANER	67	
CRANE AIR INDUCTION SYSTEM	67	31
CARRIER AIR INDUCTION SYSTEM	69	32
CARRIER AIR CLEANER ASSEMBLY.....	71	33
0306- TANKS, LINES, FITTINGS, HEADERS	73	
CRANE ENGINE FUEL LINES AND FITTINGS	73	34
CRANE FUEL TANK ASSEMBLY.....	75	35
CARRIER ENGINE FUEL LINES AND FITTINGS.....	77	36
CARRIER FUEL TANK ASSEMBLY	79	37
CARRIER CARBURETOR LINES AND FITTINGS AND CRANE FUEL PUMP LINES AND FITTINGS.....	81	38

TABLE OF CONTENTS

		Page	Illus Fig
	CARRIER FUEL PUMP LINES AND FITTINGS	83	39
0308-	ENGINE SPEED GOVERNOR AND CONTROLS.....	85	
	CRANE GOVERNOR.....	85	40
	CARRIER ENGINE GOVERNOR VERTICAL LINKAGE	87	41
	CARRIER ENGINE GOVERNOR AND LINKAGE	89	42
0309-	FUEL FILTERS	91	
	CARRIER FUEL FILTER.....	91	43
0311-	ENGINE STARTING AIDS.....	93	
	CARRIER FUEL PRIMER PUMP ASSEMBLY	93	44
	CRANE FUEL PRIMER LINES AND FITTINGS	97	45
	CARRIER FUEL PRIMER LINES AND FITTINGS.....	99	46
0312-	ACCELERATOR, THROTTLE OR CHOKE CONTROLS	101	
	CRANE CHOKE CONTROL ASSEMBLY	101	47
	CRANE THROTTLE ASSEMBLY	103	48
	CRANE THROTTLE ASSEMBLY EXPLODED VIEW.....	105	49
	CARRIER THROTTLE CONTROLS	107	50
GROUP 04	EXHAUST SYSTEM		
0401-	MUFFLER AND PIPES	109	
	CRANE EXHAUST SYSTEM.....	109	51
	CARRIER EXHAUST SYSTEM	111	52
GROUP 05	COOLING SYSTEM		
0501-	RADIATOR, EVAPORATOR COOLER OR HEAT EXCHANGER.....	113	
	CRANE SHUTTER GUARD.....	113	53
	CRANE RADIATOR	115	54
	CARRIER RADIATOR.....	117	55
0503-	WATER MANIFOLD, HEADERS, THERMOSTATS AND HOUSING GASKET	119	
	CRANE ENGINE THERMOSTAT AND HOUSING.....	119	56
	CARRIER ENGINE WATER MANIFOLD AND THERMOSTAT	121	57
	CRANE RADIATOR HOSES.....	125	58
	CARRIER RADIATOR HOSES	127	59
0504-	WATER PUMP	129	
	CRANE ENGINE WATER PUMP ASSEMBLY	129	60
	CARRIER ENGINE WATER PUMP.....	131	61
0505-	AN ASSEMBLY	133	
	CRANE ENGINE FAN ASSEMBLY	133	62
	CARRIER ENGINE FAN AND HUB ASSEMBLY.....	135	63
	CARRIER ENGINE FAN HUB ASSEMBLY EXPLODED VIEW	137	64
	CARRIER ENGINE FAN BELT SHOE.....	139	65
	CARRIER ENGINE BELT ADJUSTER ASSEMBLY	141	66
	CRANE ENGINE FAN GUARD.....	143	67
GROUP 06	ELECTRICAL SYSTEM		
0601-	GENERATOR, ALTERNATOR	145	
	CRANE ALTERNATOR FAN GUARD	145	68
	CRANE ALTERNATOR ASSEMBLY	147	69
	CARRIER ALTERNATOR ASSEMBLY.....	149	70
	CRANE AND CARRIER GENERATOR EXPLODED VIEW	151	71

TABLE OF CONTENTS

	Page	Illus Fig
0603- STARTING MOTOR.....	153	
CRANE ENGINE STARTER ASSEMBLY.....	153	72
CRANE ENGINE STARTER ASSEMBLY EXPLODED VIEW.....	155	73
CARRIER ENGINE STARTER ASSEMBLY.....	157	74
CARRIER ENGINE STARTER ASSEMBLY EXPLODED VIEW.....	159	75
0605- IGNITION COMPONENTS.....	161	
CRANE ENGINE DISTRIBUTOR EXPLODED VIEW.....	161	76
CRANE ENGINE IGNITION COIL EXPLODED VIEW.....	163	77
CARRIER ENGINE IGNITION COMPONENTS. SPARK PLUGS AND CABLES.....	165	78
CARRIER ENGINE DISTRIBUTOR EXPLODED VIEW.....	167	79
CARRIER ENGINE IGNITION COIL EXPLODED VIEW.....	169	80
0606- ENGINE SAFETY CONTROLS.....	171	
POLARITY RELAY.....	171	81
0607- INSTRUMENT OR ENGINE CONTROL PANEL.....	173	
CRANE CAB INSTRUMENT PANEL.....	173	82
CARRIER INSTRUMENT PANEL.....	175	83
0608- MISCELLANEOUS ITEMS.....	177	
CRANE TERMINAL BLOCKS, SWITCHES AND RESISTORS.....	177	84
CARRIER SIGNAL LIGHT ASSEMBLY, STOPLIGHT AND HEADLIGHT DIMMER SWITCHES.....	179	85
0609- LIGHTS.....	181	
SPOTLIGHT AND FLOODLIGHT ASSEMBLY AND MOUNTING.....	181	86
CRANE CLEARANCE MARKER LIGHTS AND MOUNTING.....	183	87
CRANE CAB. FLOODLIGHT AND CLEARANCE LIGHT BRACKET ASSEMBLIES.....	185	88
HEADLIGHT ASSEMBLY.....	187	89
DIRECTIONAL LIGHTS.....	189	90
SERVICE BLACKOUT LIGHTS.....	191	91
CARRIER CLEARANCE MARKER LIGHTS.....	193	92
BLACKOUT CLEARANCE LIGHT.....	195	93
BLACKOUT HEADLIGHT.....	197	94
DOME LIGHT AND MOUNTING.....	199	95
0610- SENDING UNITS AND WARNING SWITCHES.....	201	
WARNING HORN.....	201	96
SENDING UNITS.....	203	97
CARRIER FUEL GAGE SENDING UNIT.....	205	98
0611- HORN. SIREN.....	207	
ELECTRIC HORN.....	207	99
0612- BATTERIES. STORAGE.....	209	
BATTERY BOX ASSEMBLY.....	209	100
0613- HULL OR CHASSIS WIRING HARNESS.....	211	
ELECTRICAL WIRING HARNESSES.....	211	101
CARRIER CAB WIRING DIAGRAM.....	210.2	101A
CARRIER FRAME AND PLATFORM WIRING DIAGRAM.....	213	102
CARRIER ENGINE WIRING DIAGRAM.....	215	103
GROUP 07 TRANSMISSION		
0700- TRANSMISSION ASSEMBLY.....	217	
CARRIER TRANSMISSION PLUGS AND COVERS.....	217	104
0721- COOLERS. PUMPS. MOTORS.....	219	

TABLE OF CONTENTS

	Page	Illus Fig
CARRIER TRANSMISSION HIGH AND LOW RANGE CONTROL COMPONENTS.....	219	105
GROUP 08 TRANSFER, FINAL DRIVE, PLANETARY AND DROP GEAR BOX ASSEMBLIES		
0801- POWER TRANSFER, FINAL DRIVE, PLANETARY OR DROP GEAR BOX ASSEMBLIES.....	221	
CARRIER TRANSFER CASE AND RELATED COMPONENTS.....	221	106
GROUP 09 PROPELLER, PROPELLER SHAFTS, UNIVERSAL JOINTS, COUPLER AND CLAMP ASSEMBLY		
0900- PROPELLER SHAFTS.....	223	
CRANE PROPELLER SHAFT ASSEMBLY AND MOUNTING.....	220.2	106A
CRANE PROPELLER AND WORM SHAFT ASSEMBLIES	222.1	107
CARRIER PROPELLER SHAFT AND MOUNTING	222.2	107A
CARRIER TRANSMISSION TO TRANSFER CASE PROPELLER SHAFT	225	108
CARRIER FRONT AND REAR AXLE PROPELLER SHAFTS	227	109
GROUP 10 FRONT AXLE		
1000- FRONT AXLE ASSEMBLY	229	
FRONT AXLE HOUSING ASSEMBLY.....	229	110
1002- DIFFERENTIAL.....	231	
FRONT DIFFERENTIAL ASSEMBLY AND MOUNTING.....	231	111
GROUP 11 REAR AXLE		
1100- REAR AXLE ASSEMBLY.....	233	
REAR TANDEM AXLE AND HOUSING.....	233	112
1102- DIFFERENTIAL.....	235	
FORWARD REAR AXLE DIFFERENTIAL ASSEMBLY.....	235	113
GROUP 12 BRAKES		
1208- AIR BRAKE SYSTEM	237	
LOW PRESSURE SWITCH HOSES AND FITTINGS.....	37	114
LOW PRESSURE INDICATOR FLAG, LINES AND FITTINGS.....	239	115
INDICATOR LOW AIR PRESSURE FLAG	241	116
HAND BRAKE VALVE ASSEMBLY, HOSE AND FITTINGS.....	243	117
TREADLE BRAKE VALVE ASSEMBLY, HOSES AND FITTINGS	245	118
THREE WAY CONTROL VALVE, LINES AND FITTINGS	247	119
TRACTOR PROTECTION CONTROL VALVE, LINES AND FITTINGS	249	120
PARKING BRAKE VALVE, LINES AND FITTINGS.....	251	121
DRAIN VALVE ASSEMBLY, LINES AND FITTINGS.....	253	122
PUSH PULL VALVE AND SYNCHRONIZER VALVE LINES AND FITTINGS	255	123
DOUBLE CHECK VALVE, LINES AND FITTINGS.....	257	124
AIR MANIFOLD, LINES AND FITTINGS	259	125
ALCOHOL EVAPORATOR, LINES AND FITTINGS.....	261	126
AIR RESERVOIR DRAIN LINES AND FITTINGS.....	263	127
AIR RESERVOIR, DRAIN, CHECK, LINES AND FITTINGS.....	267	128
DOUBLE CHECK, QUICK RELEASE LIMIT VALVES, LINES AND FITTINGS	271	129

TABLE OF CONTENTS

	Page	Illus Fig
DOUBLE CHECK, QUICK RELEASE LIMIT VALVES.....	275	130
QUICK DISCONNECT COUPLING	279	131
ELBOW ANCHORS, LINES, AND FITTINGS	283	132
DOUBLE CHECK VALVE, RELAY EMERGENCY VALVE LINES AND FITTINGS	285	133
FRONT BRAKE CHAMBER ASSEMBLY	289	134
REAR BRAKE CHAMBER ASSEMBLY	291	135
1209- AIR COMPRESSOR ASSEMBLY	293	
ENGINE AIR COMPRESSOR ASSEMBLY	293	136
1211- TRAILER BRAKE CONNECTIONS AND CONTROLS.....	295	
QUICK DISCONNECT COUPLINGS, TRACTOR PROTECTION VALVE, LINES AND FITTINGS.....	295	137
TRACTOR PROTECTION VALVE.....	299	138
GROUP 13 WHEELS AND TRACKS		
1311- WHEEL ASSEMBLY	301	
WHEELS	301	139
FRONT WHEEL AND BRAKE DRUM MOUNTING	303	140
REAR WHEEL AND BRAKE DRUM MOUNTING	305	141
1313- TIRES, TUBES, TIRE CHAINS	309	
TIRES AND TUBES	309	142
GROUP 14 STEERING		
1401- MECHANICAL STEERING GEAR ASSEMBLY.....	310.1	
1407- STEERING COLUMN DRAG LINK AND TIE ROD ASSEMBLY	310.1	143
POWER STEERING ASSEMBLY, HOSES, AND FITTINGS	310.2	143A
1410- HYDRAULIC PUMP OR FLUID MOTOR ASSEMBLY.....	313	
HYDRAULIC STEERING PUMP, BELT AND MOUNTING	313	144
HYDRAULIC STEERING PUMP MOUNTING BRACKETS.....	315	145
GROUP 15 FRAME, TOWING ATTACHMENTS, DRAW BARS AND ARTICULATION SYSTEMS		
1501- FRAME ASSEMBLY	317	
CARRIER BOOM RACK AND GRILL	317	146
1504- SPARE WHEEL CARRIER AND TIRE LOCK.....	319	
SPARE WHEEL CARRIER AND BRACKET.....	319	147
1507- LANDING, GEAR, LEVELING JACKS.....	321	
FLOAT OUTRIGGERS	321	148
CRANE OUTRIGGER AND MOUNTING	323	149
GROUP 16 SPRINGS AND SHOCK ABSORBERS		
1601- SPRINGS	325	
SPRING ASSEMBLY	325	150
1604- SHOCK ABSORBER EQUIPMENT	327	
SHOCK ABSORBERS	327	151
1605- TORQUE, RADIUS AND STABILIZER RODS.....	329	
TORSION BAR.....	329	52
GROUP 18 BODY, CAB, HOOD AND HULL		
1801- BODY, CAB, HOOD, AND HULL ASSEMBLIES	131	
CAB SLIDING METAL DOOR.....	131	153
CAB SLIDING METAL DOOR AND RELATED PARTS.....	333	154
CARRIER CAB DOOR AND RELATED PARTS.....	335	155

TABLE OF CONTENTS

	Page	Illus Fig
1802- CRANE CAB ASSEMBLY (RIGHT SIDE).....	339	156
FENDERS, RUNNING BOARD WITH MOUNTING AND ATTACHING PARTS, OUTRIGGERS, WINDSHIELD, GLASS, ETC.	341	
CRANE AND CARRIER GLASS	341	157
REAR FENDERS AND MOUNTINGS.....	343	158
1805- FLOORS, SUBFLOORS AND RELATED COMPONENTS	345	
CRANE HEATER ASSEMBLY FLOOR PLATES.....	345	159
CARRIER CAB FLOOR	347	160
CARRIER CAB PLATFORM AND MOUNTING	349	161
1806- UPHOLSTERY, SEATS AND CARPETS.....	351	
CRANE OPERATOR SEAT	351	162
CARRIER CAB SEAT ASSEMBLY	355	163
1808- STOWAGE RACKS, BOXES, STRAPS, CARRYING CASES, CABLE REELS, HOSE REELS.....	357	
TOOL BOX.....	357	164
GROUP 22 BODY, CHASSIS AND HULL ACCESSORY ITEMS		
2202- ACCESSORY ITEMS.....	359	
ACCESSORY ITEMS.....	359	165
CRANE HEATER ASSEMBLY LINES AND FITTINGS	361	166
CRANE HEATER ASSEMBLY	363	167
WINDSHIELD WIPER, LINES AND FITTINGS.....	364.1	168
WINDSHIELD WIPER ASSEMBLY.....	365	168A
FLUID HORN, LINES AND FITTINGS.....	367	169
CAB REFLECTORS AND REAR VIEW MIRRORS	369	170
WINDSHIELD WASHER	371	171
2207- WINTERIZATION EQUIPMENT.....	373	
CAB HEATER, LINES AND FITTING	373	172
2210- DATA PLATES AND INSTRUCTION HOLDERS	375	
BOOM INFORMATION PLATES	375	173
CRANE CAB DATA PLATES	377	174
CRANE CAB INSTRUMENT PANEL NAME PLATES.....	379	175
CRANE ENGINE IDENTIFICATION PLATES.....	381	176
CARRIER INSTRUMENT PANEL DATA PLATES	383	177
ENGINE DATA PLATES	385	178
GROUP 24 HYDRAULIC AND FLUID SYSTEMS		
2402- MANIFOLD AND/OR CONTROL VALVES	387	
CONTROL STAND VALVE	387	179
2406- STRAINERS, FILTERS, LINES AND FITTINGS.....	389	
SWIVEL JOINT	389	180
CONTROL STAND TUBING AND FITTINGS.....	391	181
HYDRAULIC SYSTEM.....	393	182
HYDRAULIC SYSTEM LINES AND FITTINGS	397	183
2407- HYDRAULIC CYLINDERS.....	400.1	
CONTROL STAND MASTER CYLINDER	400.1	184
CONTROL STAND MASTER CYLINDER EXPLODED VIEW.....	401	184A
SWING BRAKE MASTER CYLINDER.....	403	185
2408- LIQUID TANKS OR RESERVOIRS	405	
HYDRAULIC TANK AND FITTINGS.....	405	186
GROUP 43 GAS, AIR, AND VACUUM SYSTEMS		
4316- ASSEMBLED HOSE, FITTINGS, LINES, BREATHERS, FILTERS AND TRAPS.....	407	

TABLE OF CONTENTS

	Page	Illus Fig
AIR RESERVOIR LINES AND FITTINGS.....	407	187
4317- MANIFOLD AND/OR CONTROL VALVES	411	
AIR STARTER VALVES.....	411	188
4321- TANKS OR RESERVOIRS	413	
AIR RESERVOIRS.....	413	189
GROUP 47 GAGES (NON ELECTRICAL). WEIGHING AND MEASURING DEVICES		
4701- INSTRUMENTS (SPEED AND DISTANCE).....	415	
CRANE TACHOMETER.....	415	190
CARRIER SPEEDOMETER AND TACHOMETER.....	417	191
CARRIER TACHOMETER DRIVE	419	192
GROUP 73 CONCRETE AND ASPHALT EQUIPMENT COMPONENTS		
7327- MECHANICAL LEVEL INDICATOR.....	420.1	
BOOM ANGLE INDICATOR ASSEMBLY	420.1	193
GROUP 74 CRANES, SHOVELS AND EARTH MOVING EQUIPMENT COMPONENTS		
7403- SWINGER	421	
SWING BRAKE CONTROL ASSEMBLY AND MOUNTING.....	421	193A
7410- SHOVEL FRONT ATTACHMENTS	423	
IDLER SPROCKET ASSEMBLY.....	423	194
7411- CRANE DRAGLINE OR CLAMSHELL ATTACHMENTS.....	427	
BACKSTOP ASSEMBLY AND MOUNTINGS.....	427	196
BACKSTOP ASSEMBLY	429	197
UPPER SPREADER ASSEMBLY	431	198
HOOK ASSEMBLY	433	199
BOOM ASSEMBLY	434.1	200
ANTI ROTATION DEVICE	437	201
7415- CLUTCH.....	439	
HOIST AND DIGGING CLUTCH ASSEMBLY	439	202
REVERSING AND SWING LEFT AND RIGHT HAND CLUTCH ASSEMBLY	441	203
BOOM HOIST CLUTCH ASSEMBLY	443	204
7416- SHAFTS	445	
BOOM HOIST SHAFT ASSEMBLY	445	205
SWING HORIZONTAL SHAFT ASSEMBLY.....	447	206
REVERSING SHAFT ASSEMBLY	449	207
HOIST SHAFT ASSEMBLY	451	208
GEAR AND CHAIN HOUSING.....	453	209
7419- TURNTABLE	457	
SWING LOCK ASSEMBLY	457	210
ROLLER UNIT ASSEMBLY	459	211
TURRET TURNTABLE ASSEMBLY	461	212
7420- MACHINERY GEAR CASE OR FRAME.....	463	
FINAL UPPER ASSEMBLY	463	213
7422- MACHINERY MECHANISM CONTROLS.....	465	
CONTROL STAND BOOM HOIST CLUTCH AND REAR DRUM BRAKE CONTROLS	465	214
CONTROL STAND FRONT DRUM CLUTCH AND REAR DRUM CLUTCH CONTROLS	469	215

TABLE OF CONTENTS

		Page	Illus Fig
	CONTROL STAND SWING CLUTCH AND FRONT DRUM		
	BRAKE CONTROLS	471	216
	HOIST AND SWING CONTROL ASSEMBLY.....	475	217
GROUP 95	GENERAL USE STANDARDIZED PARTS		
9501-	BULK MATERIEL	479	
	BULK MATERIEL	479	BULK
SECTION III.	SPECIAL TOOLS LIST (NOT APPLICABLE)		
SECTION IV.	NATIONAL STOCK NUMBER AND PART NUMBER INDEX	481	

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ORGANIZATIONAL MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LISTS

SECTION I. INTRODUCTION

1. Scope.

This manual 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 organizational support maintenance of the Crane, Shovel, Truck Mounted. It authorizes the requisitioning, issue, and disposition of spares, repair parts and special tools indicated by the Source, Maintenance and Recoverability (SMR) codes.

2. General.

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 NSN sequence.

b. Section III. Special Tools List. A list of special tools, special TMDE, and other special support equipment authorized by this RPSTL for the performance of maintenance.

c. Section IV. National Stock Number and Part Number Index. A list, in National Item Identification Number (NIIN) sequence, of all National Stock Numbers (NSN) appearing in the listings, 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.

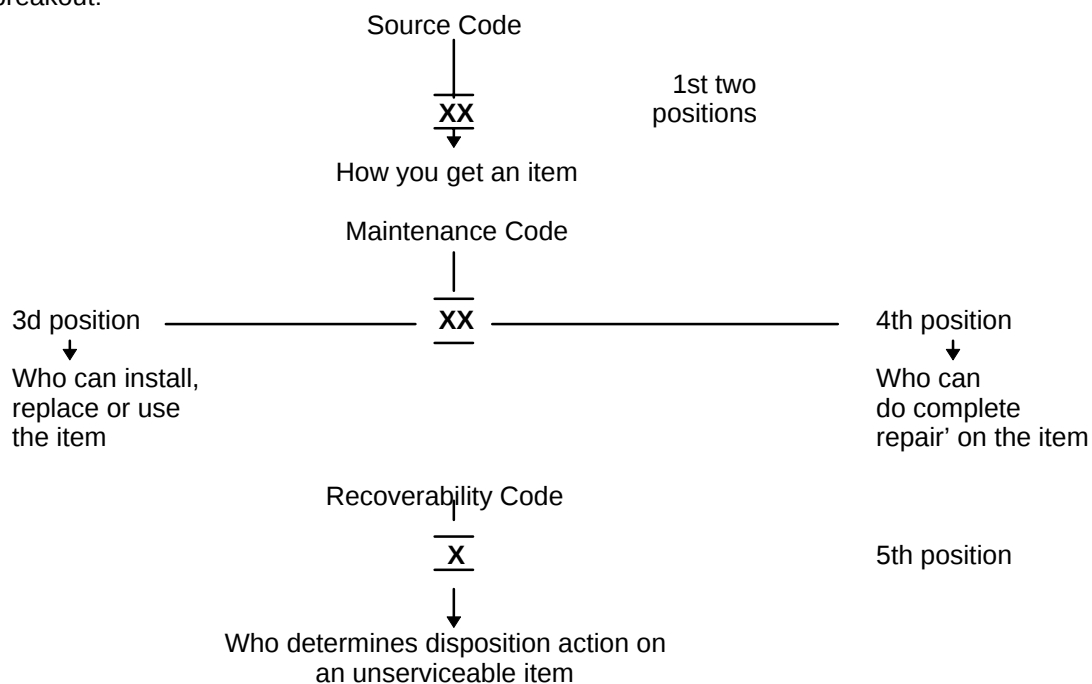
3. Explanation of Columns

a. Illustration (Column (1)). This column is divided as follows:

(1) ((a) FIG NO.) Figure Number. Indicates the figure number illustrating an exploded view of a functional group.

(2) ((b) ITEM NO.). 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 the corrective maintenance tasks of the "Repair" function in a use/user environment in order to restore serviceability to a failed item.

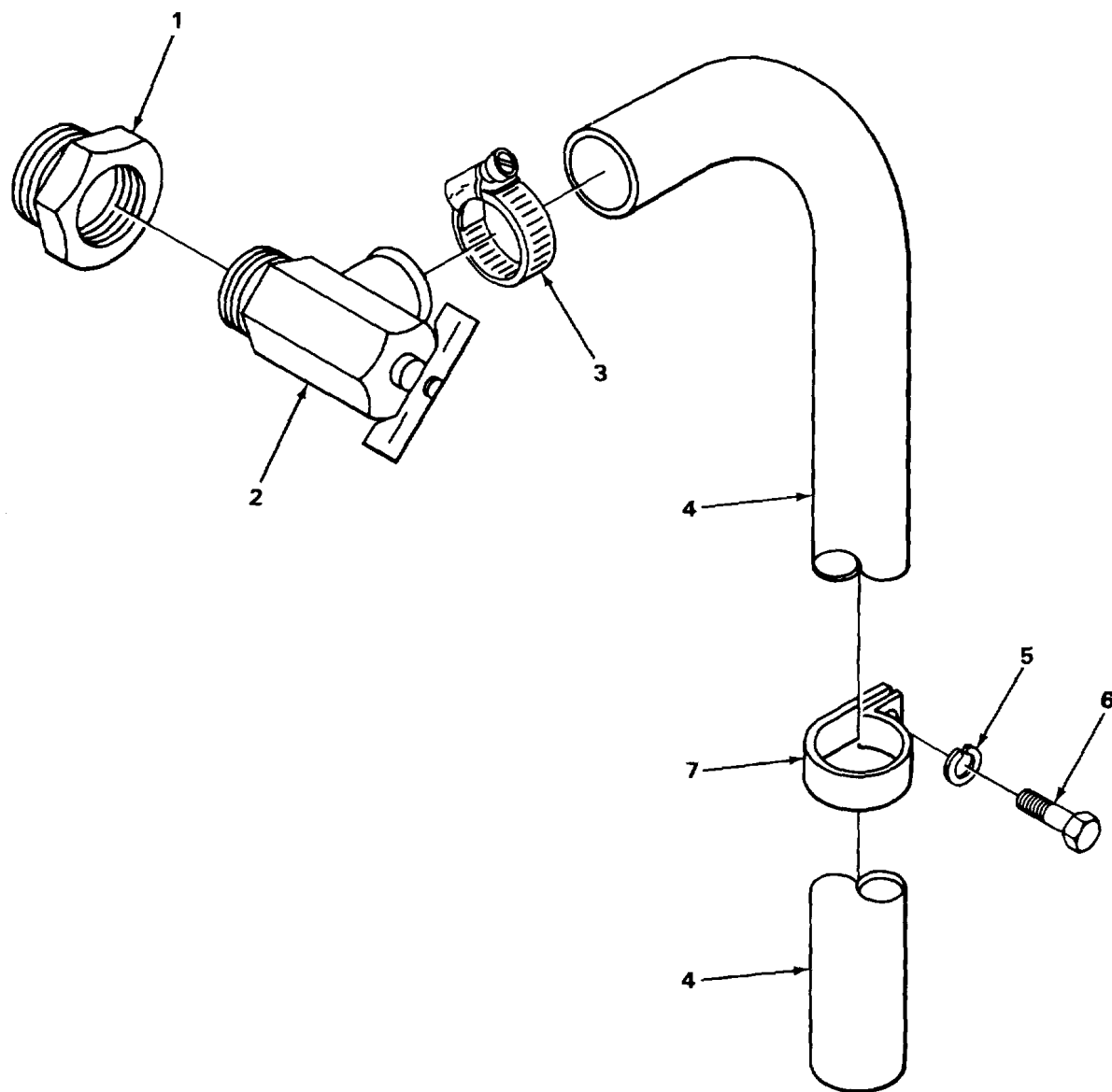


FIGURE 1. CARRIER ENGINE BLOCK DRAIN.

TA215658

SECTION II

TM5-3810-288-20P

REPAIR PARTS LIST

(1) ILLUSTRATION		(2) SMR CODE	(3) NATIONAL STOCK NUMBER	(4) FSCM	(5) PART NUMBER	(6) DESCRIPTION USABLE ON CODE	(7) U/M	(8) QTY INC IN UNIT
(a) FIG NO	(b) ITEM NO							
1	1	PAOZZ	4730-00-87-6578	10988	217-44	GROUP 01-ENGINE 0101-CRANKCASE BLOCK CYLINDER HEAD		
1	2	PAOZZ	4820-01-124-8873	79470	211280	BUSHING PIPE	EA	1
1	3	XDOZZ		81646	5208	COCK DRAIN	EA	1
1	4	PAOZZ	4720-00-195-5936	27315	72-8100J0561	CLAMP LOOP	EA	1
1	5	PAOZZ	5310-00-637-9541	96906	MS35338-46	HOSE ENGINE LOCK DRAIN.....	EA	1
1	6	PAOZZ	5305-00-942-2196	96906	MS18154-60	WASHER LOCK CLAMP MOUNTING	EA	1
1	7	PFOZZ	5340-00-4]3-0070	00624	900729-8	SCREW, CAP, HEXAGON H CLAMP MOUNTING	EA	1
						CLAMP, LOOP	EA	1
Change 1 7								

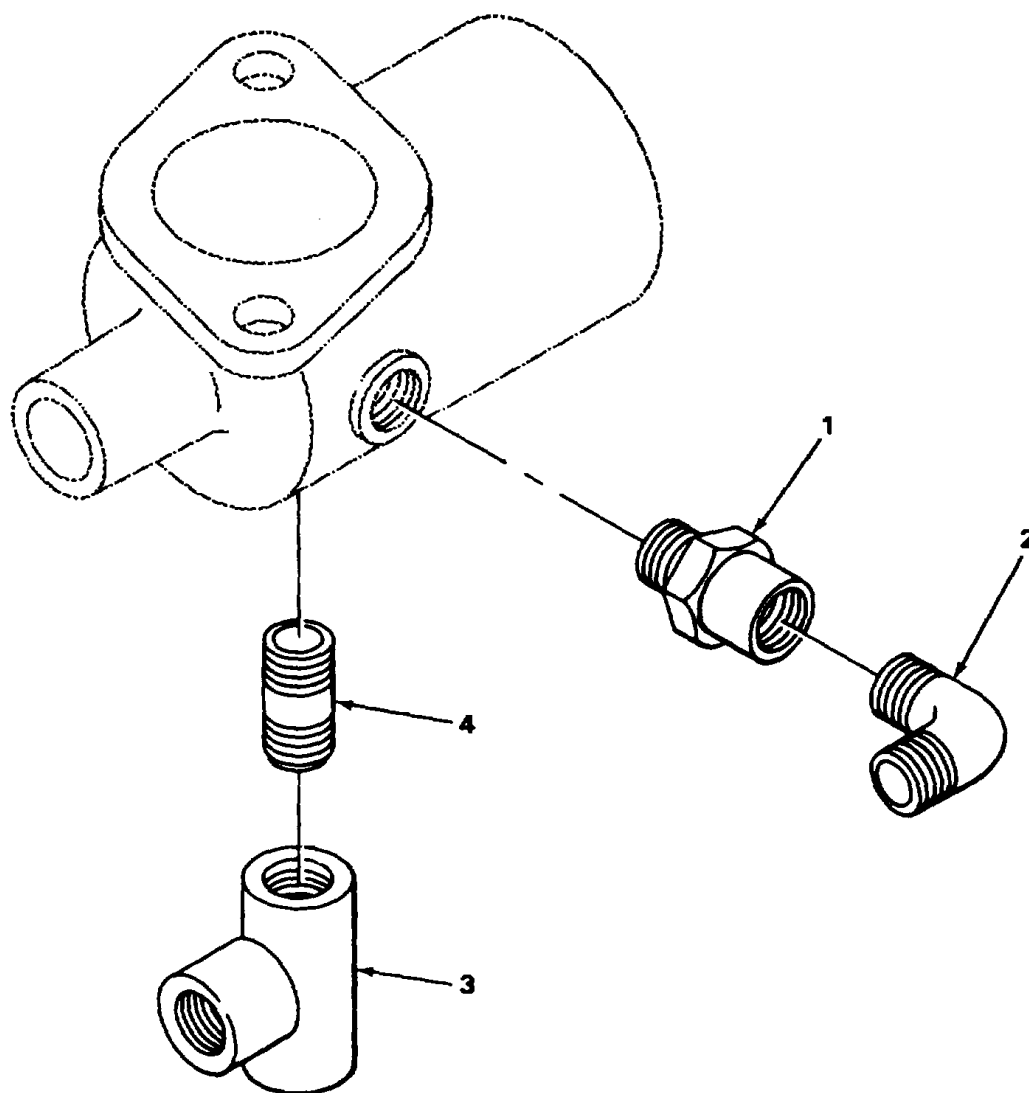


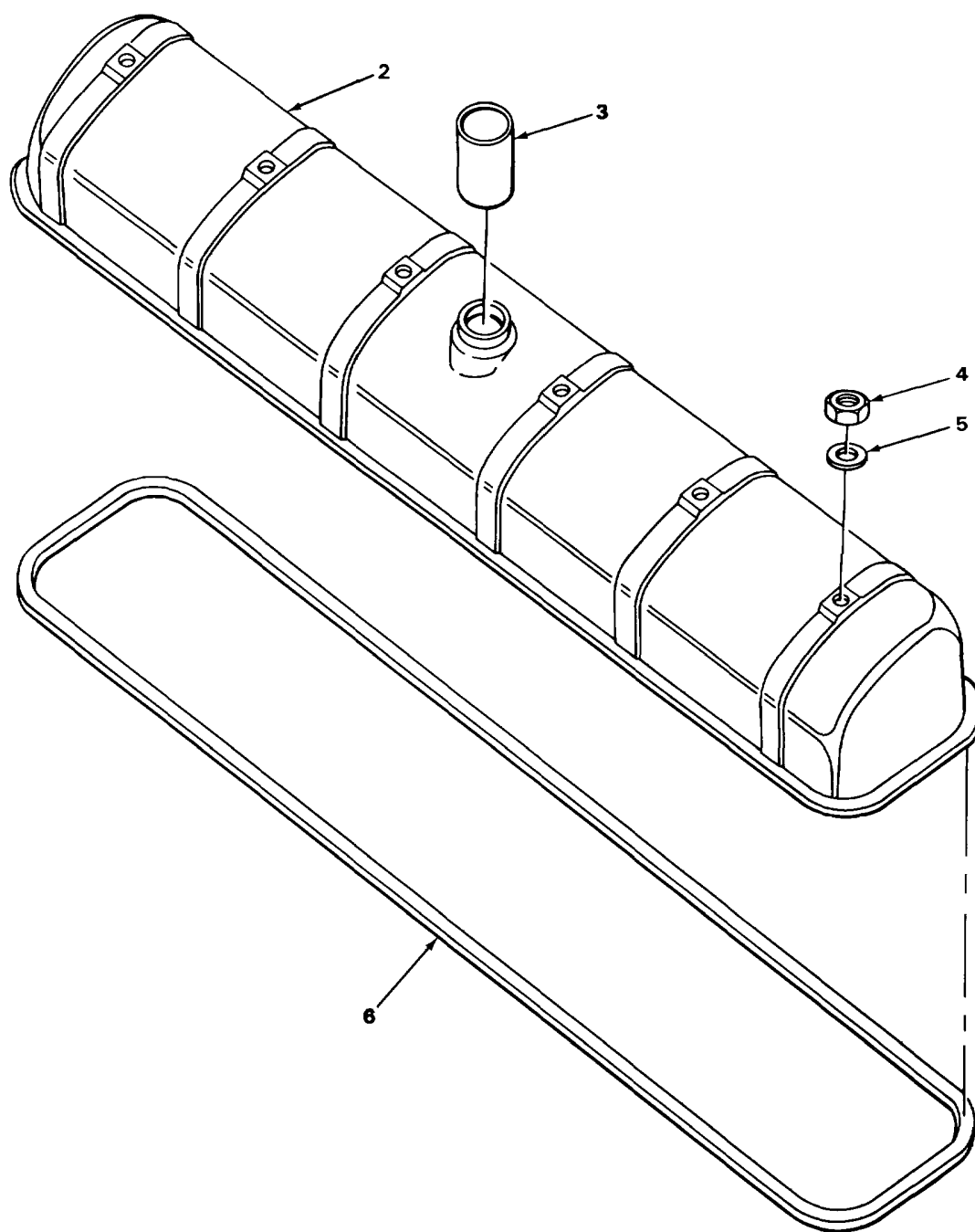
FIGURE 2. CARRIER ENGINE WATER CONNECTION FOR AIR COMPRESSOR AND HEATER.

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TM5-3810-288-20P

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO	(b) ITEM NO	SMR CODE	NATIONAL STOCK NUMBER	FSCM	PART NUMBER	DESCRIPTION USABLE ON CODE	U/M	QTY INC IN UNIT
						0101(CONT)		
2	1	XDOZZ		27315	2402V	BUSHING, PIPE REDUCI	EA	1
2	2	XDOZZ		27315	2417V018	ELBOW, STREET	EA	1
2	3	XDOZZ		27315	2426V005	TEE, PIPE.....	EA	1
2	4	PAOZZ	4730-00-019-2067	96906	MS51953-49	NIPPLE, PIPE..... 9	EA	1

1
2 AND 3



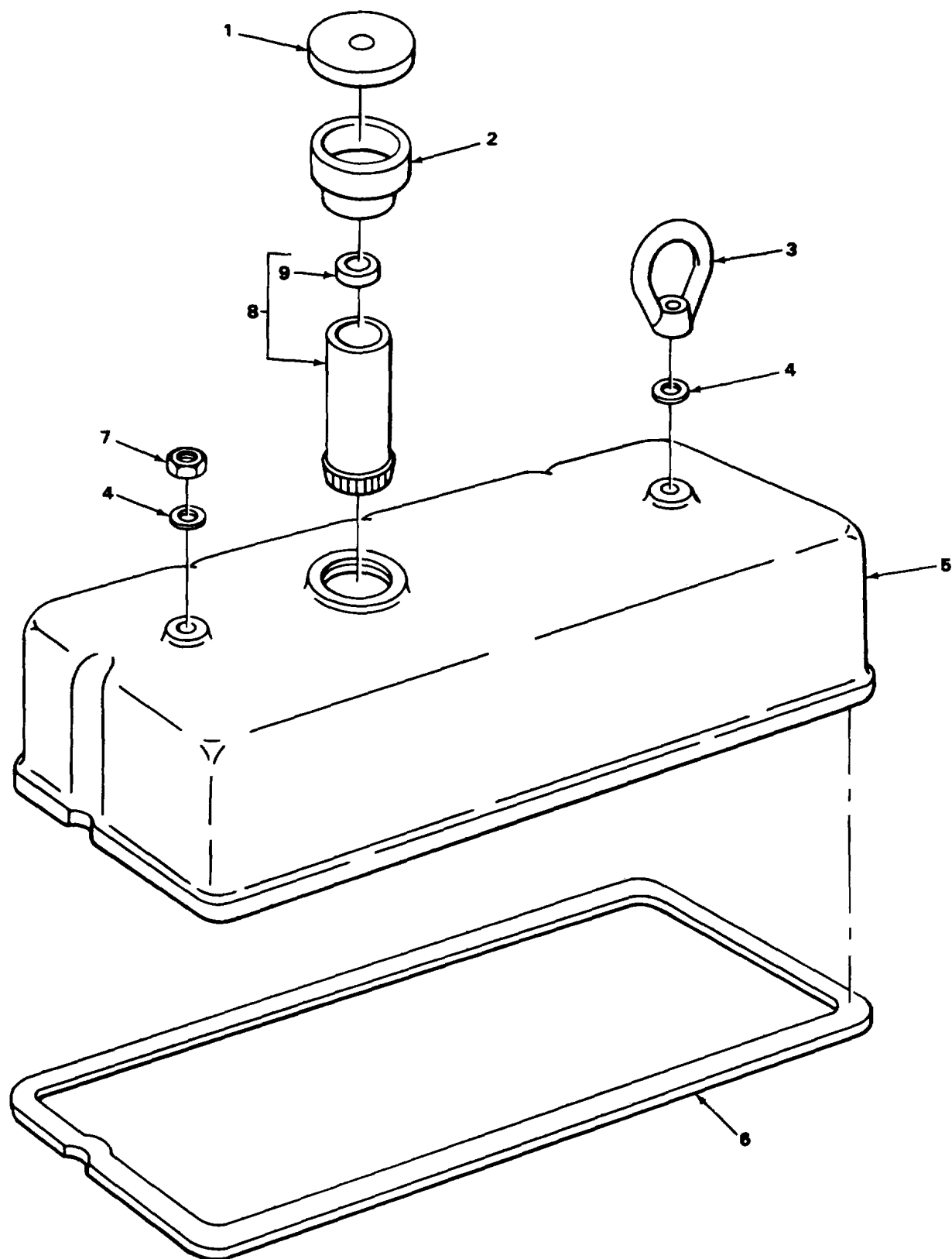
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FIGURE 3. CRANE ENGINE ROCKER ARM COVER ASSEMBLY

TM5-3810-288-20P

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO	(b) ITEM NO	SMR CODE	NATIONAL STOCK NUMBER	FSCM	PART NUMBER	DESCRIPTION USABLE ON CODE	U/M	QTY INC IN UNIT
3	1	XDOHH		64104	A135139	0105-VALVES, CAMSHAFT AND TIMING SYSTEM COVER ASSEMBLY, ROCKER ARM	EA	1
3	2	XDOZZ		64104	135139	COVER, ROCKER	EA	1
3	3	XDOZZ		64104	731738	PIPE, BREATHER	EA	1
3	4	PAOZZ	530-00-975-2075	96906	MS35691-21	NUT, HEXAGON, COVER MOUNTING	EA	6
3	5	PAOZZ	5310-00-873-6947	19207	7378124	WASHER, COVER MOUNTING PART OF KIT P/N 900-26-979-92.....	EA	6
3	6	PAOZZ	5330-00-507-4429	64104	1350408	GASKET COVER PART OF KIT P/N 900-267979-92.....	EA	1
Charge 1 11								

8
9

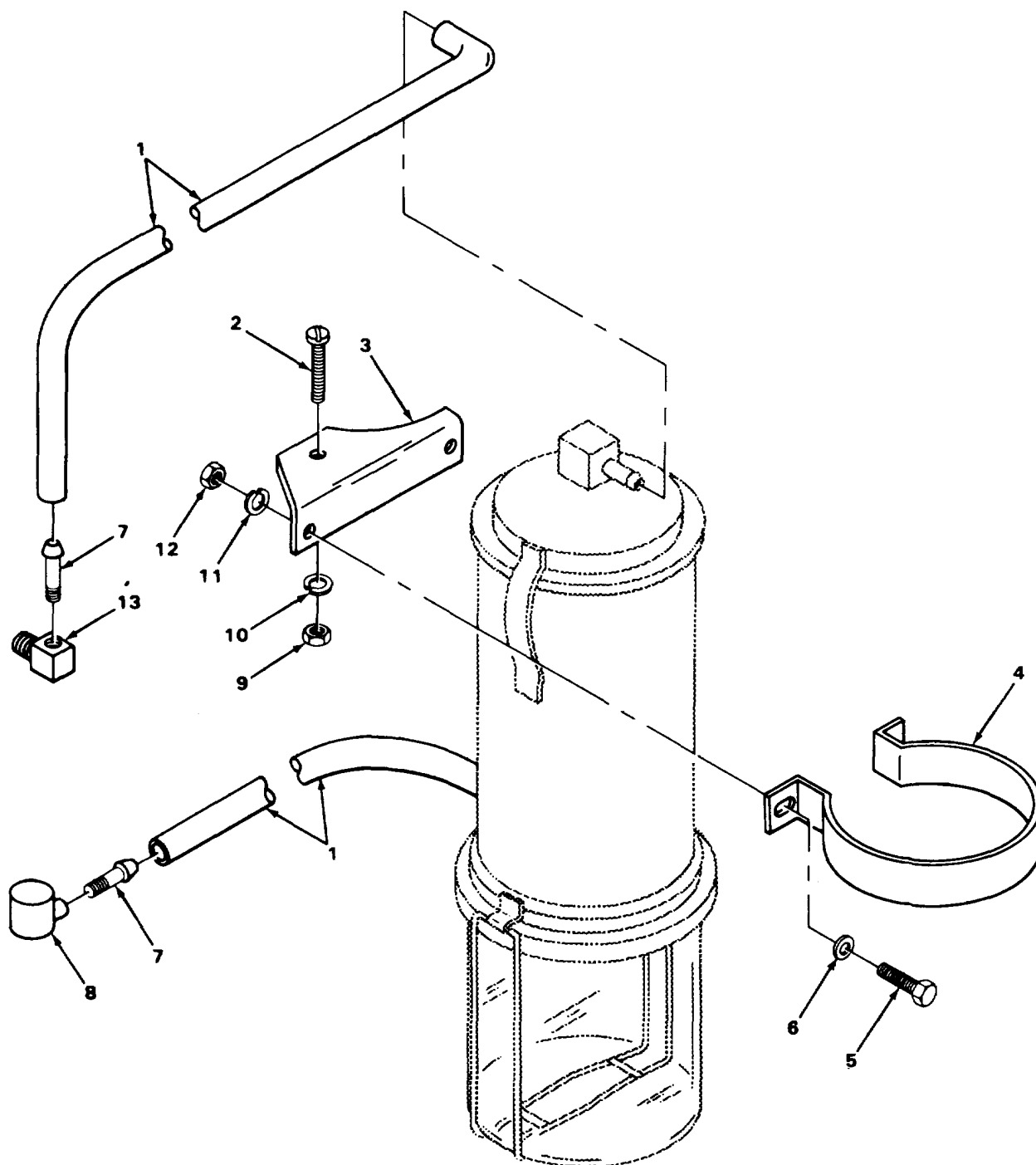


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FIGURE 4. CARRIER ENGINE ROCKER ARM COVER ASSEMBLY.

TM5-3810-288-20P

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO	(b) ITEM NO	SMR CODE	NATIONAL STOCK NUMBER	FSCM	PART NUMBER	DESCRIPTION USABLE ON CODE	U/M	QTY INC IN UNIT
						0105(CONT)		
4	1	PAOZZ	2805-00-367-4615	64104	90378	BREATHER	EA	1
4	2	XDOZZ		64104	B4998	ADAPTER CAP	EA	1
4	3	XOOZZ		64104	168806	EYE, LIFTING.....	EA	2
4	4	PFOZZ	5310-00-271-7427	64104	82131	WASHER, FLAT PART OF KIT P/N 900-252979-53	EA	4
4	5	XDOZZ		64104	145139A	COVER, ROCKER.....	EA	2
4	6	PFOZZ	5330-01-148-1094	71995	76423C	GASKET COVER PART OF KIT P/N 900-252. 979-53. EA		2
4	7	PAOZZ	5310-00-432-4127	64104	2209	NUT, HEXAGON	EA	2
4	8	XDOFF		64104	A731738	PIPE, BREATHER.....	EA	2
4	9	XDOZZ		64104	4998	BAFFLE, PIPE	EA	6
Charge 1 13								



TA215685

FIGURE 5. CRANE OIL FUME EXTRACTOR.

TM5-3810-288-20P

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO	(b) ITEM NO	SMR CODE	NATIONAL STOCK NUMBER	FSCM	PART NUMBER	DESCRIPTION USABLE ON CODE	U/M	QTY INC IN UNIT
5	1	PAOZZ	4720-00-436-3045	64104	156884T	0106-ENGINE LUBRICATION SYSTEM		
5	2	PFOZZ	5305-00-008-2088	64104	26903	HOSE NONMETALLIC ROCKER ARM	EA	2
5	3	XDOZZ		64104	157807	SCREW, MACHINE BRACKET MOUNTING	EA	1
5	4	XDOZZ		64104	162869	BRACKET, MOUNTING EXTRACTOR.....	EA	1
5	5	PAOZZ	5306-00-226-4825	96906	MS590728-32	BRACKET, BAND.....	EA	1
5	6	PAOZZ	5310-00-877-4949	64104	8277	BOLT, MACHINE BRACKET MOUNTING	EA	2
5	7	XOOZZ		31714	1627	WASHER, FLAT BRACKET MOUNTING	EA	2
5	8	XOOZZ		31714	1660	ADAPTER, HOSE.....	EA	3
5	9	PAOZZ	5310-00-007-2923	64104	21173	CAP, ROCKER ARM COVER	EA	1
5	10	PFOZZ	5310-00-017-1531	64104	21050	NUT, HEXAGON BRACKET MOUNTING.....	EA	1
5	11	XDOZZ		64104	21051	WASHER, LOCK BRACKET MOUNTING	EA	1
5	12	PFOZZ	5310-00-638-6025	64104	21182	WASHER, LOCK BRACKET MOUNTING	EA	2
5	13	XOOZZ		31714	1616	NUT, HEXAGON BRACKET MOUNTING.....	EA	2
						ELBOW	EA	1
Change1 15								