TM9-2350-222-24P

TECHNICAL MANUAL

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

COMBAT ENGINEER VEHICLE
FULL TRACKED
M728
NSN 2350-00-795-1797
HULL

This copy is a reprint which includes current pages from Changes 1 and 2.

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HEADQUARTERS, DEPARTMENT OF THE ARMY DECEMBER 1990

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HEADQUARTERS
DEPARTMENT OF THE ARMY
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UNIT, DIRECT SUPPORT, AND GENERAL SUPPORT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LIST (INCLUDING DEPOT MAINTENANCE ALLOWANCES) FOR

COMBAT ENGINEER VEHICLE, FULL-TRACKED, M728 NSN2350-00-795-1797 HULL

CURRENT AS OF 1 SEPTEMBER 1990

REPORTING OF ERRORS

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		
DIESEL ENGINE 2DA AND SHIPPING CONTAINER 1-1		1
POWER PLANT GUIDE ASSEMBLIES, GUIDES, SUPPORTS AND RELATED PARTS 2-1		2
POWER PLANT MOUNTS, BRACKETS AND RELATED PARTS 3-1		3
ENGINE TO TRANSMISSION CONNECTING PARTS 4-1		4

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TABLE OF CONTENTS

	PAGE	ILLUS FIG
0106-ENGINE LUBRICATION SYSTEM.	...5-1	
CRANKSHAFT DAMPER OIL FILTER HOUSING COMPONENTS (ASSYP/N 11684077 AND 11684077-1)	...5-1	5
OIL GAGE ROD TUBE, OIL FILLER TUBE AND RELATED PARTS	...6-1	6
OIL PAN RELATED PARTS	...7-1	7
CYLINDER HEAD OIL DRAIN TUBES AND RELATED PARTS	...8-1	8
BREATHER TUBES, OIL SUPPLY HOSES, OIL COOLER VENT HOSES AND RELATED PARTS	...9-1	9
OIL COOLER FRAMES AND RELATED PARTS	10–1	10
ENGINE AND TRANSMISSION OIL COOLER RADIATORS TUBE ASSEMBLIES AND RELATED PARTS	11-1	11
OIL COOLERS,OIL COOLER SCREENS AND RELATED PARTS	...12-1	12
OIL SAMPLING SYSTEM AND RELATED PARTS	13-1	13
0108-MANIFOLDS	...14-1	
LEFT BANK EXHAUST MANIFOLDS RELATED PARTS	14-1	14
RIGHT BANK EXHAUST MANIFOLDS RELATED PARTS	15-1	15
GROUP 03 FUEL SYSTEM		
0302-FUEL PUMPS	...16-1	
FUEL INJECTOR TUBES RELATED PARTS	16-1	16
FUEL INJECTOR NOZZLE, FUEL RETURN LINES AND RELATED PARTS	...17-1	17
FUEL PUMP,FUEL BACK FLOW VALVE AND RELATED PARTS	18-1	18
LEFT FUELTANK FUEL PUMP AND RELATED PARTS	19-1	19
RIGHT FUEL TANK FUEL PUMP AND RELATED PARTS	20–1	20
SMOKE GENERATOR SOLENOID VALVES, FUEL SHUTOFF VALVE, FUEL LINES AND RELATED PARTS	...21-1	21
0304-AIR CLEANER	...22-1	
ARMORED TOP LOADING AIR CLEANER AND COMPONENTS	...22-1	22
AIR CLEANER HOSE ASSEMBLIES AND RELATED PARTS.	23-1	23
ARMORED TOP LOADING AIR CLEANER AND COMPONENTS (2D ENGINE)	...24-1	24
AIR CLEANER HOSE ASSEMBLIES AND RELATED PARTS (2D ENGINE)	25-1	25
AIR CLEANER CENTRIFUGAL FAN COMPONENTS (ASSYP/N 10905010)	26-1	26
0305-TURBOCHARGER	...27-1	
TURBOCHARGER RELATED PARTS	...27-1	27
TURBOCHARGER DUST DETECTOR SYSTEM AND RELATED PARTS	...28-1	28

TABLE OF CONTENTS

	PAGE	ILLUS FIG
0306-TANKS AND LINES	...29-1	
RIGHT FUEL TANK FILLER NECK AND RELATED PARTS	29-1	29
LEFT FUEL TANK EMERGENCY FILLER AND RELATED PARTS	30-1	30
LEFT FUEL TANK LIQUID QUANTITY TRANSMIITER AND RELATED PARTS	.31–1	31
RIGHT TANK LIQUID QUANTITY TRANSMITTER AND RELATED PARTS	.32-1	32
FUEL TANK LOWER FRONT MOUNTING PARTS	33-1	33
FUEL TANK LOWER REAR MOUNTING PARTS	34-1	34
FUEL TANK UPPER FRONT MOUNTING PARTS	35–1	35
FUEL TANK UPPER REAR MOUNTING PARTS	36-1	36
FUEL TANKS, CROSSOVER BUTTERFLY VALVE, BREATHER LINES AND RELATED PARTS	37–1	37
ENGINE FUEL RETURN LINES, SELECTOR COCK AND RELATED PARTS	.38-1	38
ENGINE FUEL SHUTOFF HANDLE ASSEMBLY AND RELATED PARTS	.39-1	39
ENGINE FUEL SUPPLY LINES, SWING CHECK VALVE AND RELATED PARTS (2D ENGINE)	.40-1	40
PRIMER PUMP FUEL SUPPLY LINES AND RELATED PARTS-ENGINE COMPARTMENT (2D ENGINE)	41-1	41
FUEL PRIMER PUMP LINES AND RELATED PARTS (2DENGINE)	42-1	42
0309-FUEL FILTERS	.43–1	
WATER SEPARATOR, PRIMARY MANIFOLD HEATER FUEL FILTERS, AUTOMATIC DRAIN CONTROL AND RELATED PARTS	...43-1	43
PRIMARY AND WATER SEPARATOR FUEL FILTER ASSEMBLY AND RELATED PARTS	44-1	44
FUEL INLET PRESSURE FILTER COMPONENTS (ASSY P/N MS51085-1)	...45-1	45
0311 -ENGINE STARTING AIDS	46-1	
LEFT BANK MANIFOLD HEATER ASSEMBLY AND RELATED PARTS	46-1	46
RIGHT BANK MANIFOLD HEATER ASSEMBLY AND RELATED PARTS	..47-1	47
FUEL PRIMER PUMP COMPONENTS (ASSY P/N 10863692)	48-1	48
0312-ACCELERATOR Controls	.. 49-1	
ACCELERATOR FOOT PEDAL, CONTROL RODS AND RELATED PARTS	...49-1	49
ACCELERATOR CONTROL ENGINE COMPARTMENT LINKAGE ASSEMBLY AND RELATED PARTS	...50-1	50
ACCELERATOR CONTROL LINKAGE ASSEMBLY COMPONENTS	...51-1	51
GROUP 04 EXHAUST SYSTEM		

TABLE OF CONTENTS

		PAGE	ILLUS FIG
	0401 -MUFFLER AND PIPES	...52-1	
	DUST EJECTOR SYSTEM AND RELATED PARTS	52-1	52
	ENGINE EXHAUST PIPES AND RELATED PARTS	53-1	53
GROUP 05	COOLING SYSTEM		
	0502-SHROUDS	...54-1	
	ENGINE SHROUDS AND RELATED PARTS	54-1	54
	ENGINE SHROUD MOUNTING AND RELATED PARTS	55-1	55
	TURBO SUPERCHARGER AND TRANSMISSION SHROUDS AND RELATED PARTS	...56-1	56
	CYLINDER SHROUDS	..57–1	57
	TRANSMISSION SHROUD ASSEMBLY AND RELATED PARTS	...58-1	58
	TRANSMISSION SHROUD SUPPORT BRACKET ASSEMBLIES AND RELATED PARTS	59-1	59
	0505-FAN ASSEMBLY	...60-1	
	ENGINE COOLING FANS, VANES AND HOUSINGS AND RELATED PARTS	...60-1	60
	ENGINE FAN DRIVE CLUTCH ASSEMBLY AND RELATED PARTS	...61-1	61
GROUP 06	ELECTRICAL		
	0601-GENERATOR, ALTERNATOR	...62-1	
	ENGINE GENERATOR, CRADLE BRACKET AND RELATED PARTS	...62-1	62
	GENERATOR AIR DUCTING AND RELATED PARTS (2D ENGINE)	63-1	63
	0602-GENERATOR REGULATOR(VOLTAGE)	64-1	
	ENGINE VOLTAGE CONTROL REGULATOR, ACCESSORY RELAY PANEL AND RELATED PARTS	...64-1	64
	0603-STARTING MOTOR	...65-1	
	ENGINE STARTER, CRADLE, SUPPORT AND RELATED PARTS	...65-1	65
	0606-ENGINE SAFETY CONTROLS	...66-1	
	ENGINE FUEL INJECTION PUMP FUEL SHUTOFF ELECTRICAL LEAD AND RELATED PARTS	66–1	66
	0607-INSTRUMENT OR ENGINE CONTROL PANEL	67-1	
	MASTER CONTROL PANEL ASSEMBLY, CLUSTER ASSEMBLY AND RELATED PARTS	..67–1	67
	MASTER CONTROL PANEL COMPONENTS (ASSYP/N 12251968, FIG.1 OF 2) SWITCHES, LAMPS AND RELATED PARTS	..68–1	68
	MASTER CONTROL PANEL COMPONENTS (ASSY P/N 12251968, FIG.2 OF 2,) WIRING HARNESSES, CIRCUIT BREAKERS AND RELATED PARTS	..69–1	69
	HEATER AND STARTER PUSHBUTTON SWITCHES BRANCHED WIRING HARNESS COMPONENTS (ASSY P/N 11655748)	70–1	70

TABLE OF CONTENTS

	PAGE	ILLUS FIG
MASTER CONTROL PANEL ACCESSORIES BRANCHED WIRING HARNESS COMPONENTS (ASSY P/N 11655749)	71-1	71
MASTER CONTROL PANEL MASTER BATTERY BRANCHED WIRING HARNESS COMPONENTS (ASSY P/N 10911166)	72-1	72
MASTER CONTROL PANEL PERSONNEL HEATER BRANCHED WIRING HARNESS COMPONENTS (ASSY P/N 10911163)	73-1	73
PERSONNEL HEATER INDICATOR LAMP COMPONENTS (ASSY P/N 10883766)	74-1	74
CLUSTER ASSEMBLY COMPONENTS (ASSY P/N 10915377)	75-1	75
INSTRUMENT PANEL FUEL PRESSURE GAGE POWER CABLE ASSEMBLY COMPONENTS (ASSY P/N 8762440)	76-1	76
INSTRUMENT PANEL BRANCHED WIRING HARNESS COMPONENTS (ASSY P/N 10915380)	77-1	77
0608-MISCELLANEOUS ITEMS	78-1	
MASTER RELAY, HOUSING ASSEMBLY AND RELATED PARTS	78-1	78
FIRE EXTINGUISHER RELAY, AIR CLEANER BLOWER MOTOR RELAY, CIRCUIT BREAKERS AND RELATED PARTS	79-1	79
BILGE PUMP RELAY ENCLOSURE ASSEMBLY	80-1	80
HEADLIGHT BEAM SELECTOR SWITCH AND RELATED PARTS	81-1	81
PANEL MOUNTING PLATES, HEADLIGHT STOWAGE, INFRARED OR NIGHT VIEWER CONNECTOR STOWAGE AND RELATED PARTS	82-1	82
ENGINE DUST DETECTOR BOX ASSEMBLY AND RELATED PARTS	83-1	83
0609-LIGHTS	84-1	
POWER PLANT MASTER WARNING LIGHT AND RELATED PARTS	84-1	84
DOME LIGHT, VARIABLE RESISTOR AND RELATED PARTS	85-1	85
VARIABLE RESISTOR COMPONENTS (ASSY P/N 10893854)	86-1	86
DRIVER'S DOME LIGHT COMPONENTS (ASSY P/N 7064671)	87-1	87
RIGHT STOPLIGHT-TAILLIGHT ASSEMBLY	88-1	88
LEFT STOPLIGHT-TAILIGHT ASSEMBLY	89-1	89
LEFT AND RIGHT HEADLIGHT ASSEMBLIES AND RELATED PARTS	90-1	90
HEADLIGHT BASE MOUNTING COMPONENTS (ASSY P/N 10951572)	91-1	91
0610-SENDING UNITS AND WARNING SWITCHES	92–1	
STARTER MODULE, OIL PRESSURE AND TEMPERATURE SWITCHES,TRANSMITTERS AND RELATED PARTS	92-1	92
TRANSMISSION ELECTRICAL SYSTEM COMPONENTS (ASSY P/N 12270153)	93-1	93

TABLE OF CONTENTS

	PAGE	ILLUS FIG
0612–BATTERIES, STORAGE	...94-1	
BATTERIES, CABLE ASSEMBLIES, BATTERY BOX ASSEMBLY AND RELATED PARTS	...94-1	94
0613-HULL WIRING HARNESS	...95-1	
ENGINE WIRING HARNESS BRACKETS, CLAMPS AND RELATED PARTS (SHEET 1 OF 3)	...95-1	95
ENGINE WIRING HARNESS BRACKETS, CLAMPS AND RELATED PARTS (SHEET 2 OF 3)	...96-1	96
ENGINE WIRING HARNESS BRACKETS, CLAMPS AND RELATED PARTS (SHEET 3 OF 3)	...97-1	97
ENGINE WIRING HARNESS	..98–1	98
ENGINE WIRING DIAGRAM	..99–1	99
DRIVER'S INTERPHONE/SLIPRING CABLE ASSEMBLY...	100-1	100
BATTERY SLAVE CABLE ASSEMBLY (2D ENGINE)	101-1	101
BATTERY SLAVE CABLE ASSEMBLY	102-1	102
MASTER BRANCHED WIRING HARNESS ASSEMBLY (2D ENGINE, FIG. 1 0F 2)PLUG AND SHELL ASSEMBLIES	103-1	103
MASTER BRANCHED WIRING HARNESS ASSEMBLY (2D ENGINE, ASSY P/N 1162170, 12270150& 12252127, FIG. 2 OF 2) PLUG AND SHELL ASSEMBLIES	104-1	104
MASTER BRANCHED WIRING HARNESS ASSEMBLY (FIG. 1 OF 2) PLUG AND SHELL ASSEMBLIES	105-1	105
MASTER BRANCHED WIRING HARNESS ASSEMBLY (ASSY P/N 12326201, FIG. 2 OF 2) PLUG AND SHELL ASSEMBLIES	...106-1	106
HEATER CONTROL BRANCHED WIRING HARNESS	107-1	107
HULL POWER WIRING HARNESS ASSEMBLY	108-1	108
SMOKE GENERATOR WIRING HARNESS ASSEMBLY	109-1	109
FRONT HARNESS CLAMPS AND MOUNTING PARTS	110-1	110
REAR HARNESS CLAMPS AND MOUNTING PARTS	111-1	111
ENGINE DISCONNECT TO GROUND STARTER LEAD ASSEMBLY AND RELATED PARTS	112-1	112
REAR ACCESSORY BRANCHED WIRING HARNESS ASSEMBLY	...113-1	113
ENGINE ACCESSORY CONTROL BRANCHED WIRING HARNESS (2D ENGINE)	...114-1	114
STARTER FEED WIRING HARNESS ASSEMBLY	115-1	115
STARTER WIRING HARNESS ASSEMBLY	116-1	116
BULKHEAD TO ENGINE DISCONNECT CABLE ASSEMBLY	...117-1	117
TRANSMISSION WIRING HARNESS AND COMPONENTS	118-1	118
TRANSMISSION WIRING HARNESS	119-1	119
GENERATOR BLOWER ELECTRICAL LEAD ASSEMBLY AND GENERATOR TO ENGINE DISCONNECT ELECTRICAL LEAD	...120-1	120
FUEL TANK RADIO INTERFERENCE SUPPRESSION CAPACITOR AND RELATED PARTS	121-1	121

TABLE OF CONTENTS

		PAGE	ILLUS FIG
GROUP 07	TRANSMISSION		
	0705-GEAR SHIFT CONTROLS	122–1	
	SHIFTING CONTROL LINKAGE AND RELATED PARTS	122-1	122
	SHIFTING CONTROL LINKAGE AND RELATED PARTS (DRIVER'S COMPARTMENT)	123-1	123
	SHIFTING CONTROL LINKAGE AND RELATED PARTS (BULKHEAD)	124-1	124
	SHIFTING CONTROL LINKAGE AND RELATED PARTS (ENGINE COMPARTMENT)	125-1	125
	0710-TRANSMISSION ASSEMBLY	126-1	
	TRANSMISSION ASSEMBLY AND SHIPPING/STORAGE CONTAINER	126-1	126
	0714-SERVO UNIT	127-1	
	TRANSMISSION ASSEMBLY DRAIN PLUG	127–1	127
	LOW RANGE BAND ADJUSTMENT SCREW AND RETAINING PARTS	128–1	128
	0721-COOLERS AND PUMPS....	129-1	
	TRANSMISSION ASSEMBLY CONTROL VALVE BODY TESTING ACCESS PLUG	129-1	129
	TRANSMISSION ASSEMBLY OIL FILTER PARTS	130-1	130
	TRANSMISSION ASSEMBLY BRAKE ADJUSTING PARTS	131–1	131
	TRANSMISSION OIL BREATHER TUBE AND RELATED PARTS	132-1	132
GROUP 08	TRANSFER AND FINAL DRIVE ASSEMBLIES		
	0801–FINAL DRIVE ASSEMBLIES	133-1	
	FINAL DRIVE ASSEMBLY, VENTILATION LINES AND RELATED PARTS	133-1	133
	FINAL DRIVE ASSEMBLY (ASSY P/N 12251724, FIG.1 OF 2) CASE AND CARRIER ASSEMBLY AND RELATED PARTS	134-1	134
	FINAL DRIVE ASSEMBLY (ASSY P/N 12251724, FIG. 2 OF 2) MOUNTING STUDS, CAP ADAPTER AND RELATED PARTS	135-1	135
GROUP 09	UNIVERSAL JOINTS		
	0900-UNIVERSAL JOINTS	137–1	
	FINAL DRIVE UNIVERSAL JOINTS	136-1	136
GROUP 12	BRAKES		
	1204-HYDRAULIC BRAKE SYSTEM	136-1	
	MASTER CYLINDER BRAKE PEDAL,LINKAGE, PRESSURE GAGE AND RELATED PARTS	137-1	137
	MASTER BRAKE CYLINDER COMPONENTS (ASSY P/N 10916089)	138-1	138
	HYDRAULIC BRAKE TUBE ASSEMBLIES, PRESSURE STOPLIGHT SWITCH AND RELATED PARTS	139-1	139
	SLAVE TUBE CYLINDER (ASSY P/N 11675894)	140-1	140

TABLE OF CONTENTS

		PAGE	ILLUS FIG
	1206-MECHANICAL BRAKE SYSTEM	141-1	
	ENGINE COMPARTMENT BRAKE LEVER HOUSINGS, COMPONENTS AND RELATED PARTS	141–1	141
	ENGINE COMPARTMENT PARKING BRAKE LEVER, CONTROL CABLES AND RELATED PARTS	142-1	142
	PARKING BRAKE CONTROL AND RELATED PARTS	143-1	143
GROUP 13	WHEELS AND TRACKS		
	1301-SUSPENSION ASSEMBLY..	...1441	
	NO.1 LEFT AND RIGHT HUB AND ARM ASSEMBLIES AND RELATED PARTS	...144-1	144
	N0.2 AND N0.6 LEFT AND RIGHT HUB AND ARM ASSEMBLIES AND RELATED PARTS	145-1	145
	N0.3 THRU N0.5 LEFT AND RIGHTHUBAND ARM ASSEMBLIES AND RELATED PARTS	146-1	146
	NO.1 THRU N0.6 ROADWHEEL SUPPORT HOUSING, TORSION BAR AND RELATED PARTS	147–1	147
	ROAD AND COMPENSATING IDLER WHEEL ASSEMBLY AND RELATED PARTS	...148-1	148
	1301–TRACK SUPPORT ROLLERS AND BRACKETS	149-1	
	NO.1 LEFT TRACK SUPPORT ROLLER ASSEMBLY AND RELATED PARTS	...149-1	149
	N0.2 AND N0.3 LEFT, N0.1 THRU N0.3 RIGHT TRACK SUPPORT ROLLER ASSEMBLIES AND RELATED PARTS.	150-1	150
	1303–TRACK IDLERS AND BRACKETS	151–1	
	LEFT AND RIGHT GREASE ACTUATED TRACK ADJUSTING LINK AND RELATED PARTS	..151–1	151
	LEFT AND RIGHT MECHANICALTRACK ADJUSTING LINK AND RELATED PARTS	...152-1	152
	LEFT AND RIGHT COMPENSATING IDLER HUB AND ARM ASSEMBLY AND RELATED PARTS	153-1	153
	1304-TRACK DRIVE SPROCKETS	...154-1	
	LEFT AND RIGHT DRIVE SPROCKETS, HUB AND RELATED PARTS	...154-1	154
	1305-TRACK ASSEMBLY	...155-1	
	LEFT AND RIGHT T142 TRACK AND SHOE ASSEMBLY	155-1	155
	LEFT AND RIGHT T97E2 TRACK AND SHOE ASSEMBLY	156-1	156
GROUP 14	STEERING		
	1401-MECHANICAL STEERING GEAR ASSEMBLY	157-1	
	STEERING CONTROLS AND RELATED PARTS (DRIVER'S COMPARTMENT)	...157-1	157
	STEERING CONTROLS AND RELATED PARTS (FORWARD OF BULKHEAD)	158-1	158
	STEERING CONTROLS AND RELATED PARTS (REARWARD OF BULKHEAD)	159-1	159
	STEERING CONTROLS AND RELATED PARTS (ENGINE COMPARTMENT)	160-1	160

TABLE OF CONTENTS

		PAGE	ILLUS FIG
GROUP 15	FRAME AND TOWING ATTACHMENTS		
	1503-PINTLES AND TOWING ATTACHMENTS	161-1	
	PINTLE, TOWING ATTACHMENTS AND RELATED PARTS	161–1	161
GROUP 16	SPRINGS AND SHOCK ABSORBERS		
	1601–SPRINGS	162–1	
	VOLUTE SPRINGS AND RELATED PARTS	162-1	162
	1604-SHOCK ABSORBER EQUIPMENT	163-1	
	DIRECT ACTION SHOCK ABSORBER ASSEMBLIES AND RELATED PARTS	163-1	163
GROUP 18	BODY AND HULL		
	1801–HULL ASSEMBLIES	1641	
	INTAKE AIR GRILLE DOOR ASSEMBLIES AND RELATED PARTS	1641	164
	TOP DECK, EXHAUST DOORS AND RELATED PARTS	165-1	165
	ENGINE ACCESS SEALS AND RELATED PARTS	166-1	166
	UPPER HULL BODY COVERS, HATCHES AND RELATED PARTS	167-1	167
	INFLATABLE SEAL, PUMP, RACE DRAIN AND RELATED PARTS	168-1	168
	1802-FENDERS	169-1	
	FRONT FENDER AND RELATED PARTS	169-1	169
	FENDER SUPPORTS AND RELATED PARTS	170-1	170
	REAR FENDER AND RELATED PARTS	171-1	171
	1803-DRIVER'S PERISCOPE AND HATCHES	172-1	
	DRIVER'S M27 PERISCOPE, COVER ASSEMBLY AND RELATED PARTS	172-1	172
	DRIVER'S HATCH COVER, LATCH ASSEMBLY AND RELATED PARTS	173–1	173
	DRIVER'S HATCH COVER COMPONENTS, PASSIVE EQUIPPED VEHICLES (ASSY P/N 12252115, FIG. 1 OF 2) DOORS AND RELATED PARTS	174-1	174
	DRIVER'S HATCH COVER COMPONENTS, PASSIVE EQUIPPED VEHICLES (ASSY P/N 12252115, FIG 2 OF 2) PERISCOPE MOUNTING PARTS	175-1	175
	DRIVER'S NIGHT VISION VIEWER AND M24 PERISCOPE	176-1	176
	DRIVER'S HATCH COVER COMPONENTS, INFRARED EQUIPPED VEHICLES (ASSY P/N 10873749)	177-1	177
	DRIVER'S ESCAPE HATCH ROUND COVER ASSEMBLY (ASSY P/N 8744921)	178-1	178
	DRIVER'S ESCAPE HATCH OVAL COVER COMPONENTS (ASSY P/N 10911409)	179-1	179
	1804-DRAIN VALVES	180-1	
	FRONT DRAIN VALVE ASSEMBLY AND RELATED PARTS	180-1	180

TABLE OF CONTENTS

	PAGE	ILLUS FIG
REAR DRAIN VALVE ASSEMBLY, LINKAGE AND RELATED PARTS	181–1	181
1806-UPHOLSTERY AND SEATS	182–1	
DRIVER'S PERSONNEL PROTECTION PADS AND SEAT MOUNTING PARTS	182-1	182
DRIVER'S SEAT VERTICAL ADJUSTMENT, ROLLER COMPONENTS (ASSY P/N 10911443)	183-1	183
DRIVER'S SEAT COMPONENTS (ASSY P/N 11610648)	184-1	184
DRIVER'S SEAT BACK CUSHION COMPONENTS (ASSY P/N 11610636)	185-1	185
SEAT ADJUSTER COMPONENTS (ASSY P/N 7404600)	186-1	186
1808-STOWAGE BOXES AND RACKS	187–1	
CENTER FENDER STOWAGE BOX ASSEMBLIES, COVERS AND RELATED PARTS	187–1	187
REAR FENDER STOWAGE BOX, COVER AND RELATED PARTS	188-1	188
STRAPS AND SIGNS	189-1	189
DRIVER'S PERISCOPE BOX ASSEMBLY, ODDMENT BOX AND RELATED PARTS	190-1	190
RIGHT 165 MM AMMUNITION RACK AND RELATED PARTS	191–1	191
GROUP 20 POWER CONTROL UNIT		
2002-POWER CONTROL UNIT ASSEMBLY	192-1	
BULLDOZER BLADE RIGHT ANGLE DRIVE TRANSMISSION POWER TAKEOFF ASSEMBLY AND RELATED PARTS	192–1	192
BULLDOZER BLADE RIGHT ANGLE DRIVE MAGNETIC CLUTCH COMPONENTS (ASSYP/N 10940771)	193-1	193
BULLDOZER BLADE RIGHT ANGLE DRIVE TRANSMISSION POWER TAKEOFF COMPONENTS (ASSY P/N 10940712)	194-1	194
2006-BULLDOZER TRIPOD MOUNTING	195-1	
BULLDOZER BLADE ASSEMBLY AND RELATED PARTS	195-1	195
BULLDOZER MOLDBOARD LOCKING HOOKS, ACTUATING CYLINDER GUARDS AND RELATED PARTS	196-1	196
BULLDOZER LEFT LINEAR ACTUATING CYLINDER ASSEMBLY, HOSES AND RELATED PARTS	197–1	197
BULLDOZER RIGHT LINEAR ACTUATING CYLINDER ASSEMBLY, HOSES AND RELATED PARTS	198-1	198
BULLDOZER LEFT AND RIGHT LINEAR ACTUATING CYLINDER COMPONENTS (ASSY P/N 109405241&10940524-2)	199-1	199
HYDRAULIC RESERVOIR ASSEMBLY, BREATHER AND FILLER CAPS AND RELATED PARTS	200-1	200
HYDRAULIC RESERVOIR LINES, FLUID PRESSURE FILTER, HYDRAULIC PUMP VALVE, TUBE MOUNTINGS AND RELATED PARTS	201-1	201
FLUID FILTER HYDRAULIC RESERVOIR LINES, FOURWAY SELECTOR CONTROL VALVE, TUBE ASSEMBLY		

TABLE OF CONTENTS

		PAGE	ILLUS FIG
	AND RELATED PARTS	202–1	202
	Hydraulic SYSTEM RESERVOIR ASSEMBLY, SUCTION SHUTOFF BUTTERFLY VALVE, DRAIN COCK AND RELATED PARTS	203-1	203
	BULLDOZER SELECTOR HYDRAULIC PUMP CONTROL VALVE ASSEMBLYCOMPONENTS (ASSY P/N 7323406)	204-1	204
	HYDRAULIC RESERVOIR SUCTION LINES, RESERVOIR TO SLIPRING TUBE ASSEMBLIES AND RELATED PARTS	205-1	205
	HYDRAULIC ROTARY PUMP DISCHARGE TO RESERVOIR TUBES AND RELATED PARTS	206-1	206
GROUP 22	HULL ACCERSSORY ITEMS		
	2202-ACCESSORY ITEMS	207–1	
	PERSONNEL HEATER AIRDUCT HOSE, INNER EXHAUST PIPE, OUTER EXHAUST TUBE AND RELATED PARTS	207-1	207
	PERSONNEL HEATER FUEL PUMP, MOUNTING AND RELATED PARTS	208-1	208
	PERSONNEL HEATER ASSEMBLY	209-1	209
	2205-BILGE PUMP	210-1	
	BILGE PUMP AND RELATED PARTS	210-1	210
	BILGE PUMP COMPONENTS (ASSY P/N7059833)	211-1	211
	2210-IDENTIFICATION PLATES AND ASSOCIATED PARTS	212–1	
	DATA PLATES AND INSTRUCTION HOLDERS	212-1	212
GROUP 26	TOOLS AND TEST EQUIPMENT		
	2604-SPECIALTOOLS(REPAIR PARTS)	213-1	
	GROUND HOP FILTER COMPONENTS (ASSY P/N 12270979)	213–1	213
	BRAKE TOOL COMPONENTS(ASSYP/N 10933755)	214-1	214
	POWER PLANT TEST RUN MAIN FUEL LINE AND FUEL INJECTOR RETURN HOSE ASSEMBLY (ASSYP/N 11591103)	215-1	215
	POWER PLANT TEST RUN ENGINE PRIMER HOSE ASSEMBLY (ASSY P/N 11591102)	216-1	216
	POWER PLANT TEST RUN GROUND CABLE ASSEMBLY (ASSY P/N 10864166)	217-1	217
	POWER ALTERNATOR CABLE ASSEMBLY (ASSY P/N 11674344)	218-1	218
	POWER PLANT STALL CHECK HOSE ASSEMBLY (ASSY P/N 12258071)	219-1	219
	HOSE ASSEMBLY (ASSY P/N 12271067)	220-1	220
	POWER PLANT TEST RUN STARTER CABLE ASSEMBLY (ASSY P/N 10864166-1)	221-1	221
	POWER PLANT TEST RUN ACCESSORIES CABLE ASSEMBLY (ASSY P/N 10864270)	222-1	222
	POWER PLANT TEST RUN GENERATOR ARMARTURE ELECTRICAL LEAD COMPONENTS (ASSY P/N 8366463)	223-1	223

TABLE OF CONTENTS

		PAGE	ILLUS FIG
	TORQUE PACK COMPONENTS (ASSY P/N PD602)	...224-1	224
	V-PACK CLEANER COMPONENTS (ASSY P/N 12326132)	...225-1	225
	ADJUSTING LINK TEST GAGE COMPONENTS (ASSY P/N 12310644)	...226-1	226
	ADJUSTING LINK TEST FIXTURE COMPONENTS (ASSY P/N 12326061)	227-1	227
	ENGINE AND TRANSMISSION SLING COMPONENTS (ASSY P/N 12257229)	228-1	228
	PRESSURE GAGE ASSEMBLY(ASSY P/N 12304154)	...229-1	229
GROUP 33	SPECIAL PURPOSE KITS		
	3305-DEEP WATER FORDING KITS	...230-1	
	EXTERIOR HULL WATER FORDING COMPONENTS (ASSY P/N 11655621)	230-1	230
	ENGINE WATER FORDING COMPONENTS	231–1	231
GROUP 47	GAGES		
	4701-INSTRUMENTS	..232–1	
	SPEEDOMETER,TACHOMETER, DRIVE COMPONENTS AND RELATED PARTS	...232-1	232
GROUP 76	FIRE FIGHTING EQUIPMENT		
	7639-FIXED FIRE FIGHTING EQUIPMENT	233–1	
	FIRE EXTINGUISHER TUBE AND RELATED PARTS	233-1	233
	INTERIOR FIRE EXTINGUISHER RELEASE MECHANISM, CONTROL ASSEMBLIES AND RELATED PARTS	234-1	234
	INTERIOR RELEASE MECHANISM COMPONENTS (ASSY P/N 12252586)	...235-1	235
	FIRST SHOT FIXED FIRE EXTINGUISHER VALVES, BRACKET ASSEMBLY AND RELATED PARTS	236-1	236
	SECOND SHOT FIXED FIRE EXTINGUISHER VALVES, BRACKET ASSEMBLY AND RELATED PARTS	237–1	237
	DISCHARGE TUBE, MANIFOLD AND RELATED PARTS	238-1	238
GROUP 91	CHEMICAL, BIOLOGICAL AND RADIOLOGICAL (CBR) EQUIPMENT		
	9111-GAS PARTICULATE FILTER UNITS	239-1	
	DRIVER'S GAS PARTICULATE PRECLEANER, FILTER INLET HOSES AND RELATED PARTS....	...239-1	239
	DRIVER'S GAS PARTICULATE M3 ELECTRIC AIR HEATER AND RELATED PARTS	...240-1	240
	M3 ELECTRIC AIR HEATER COMPONENTS (ASSY P/N E5-19-1782)	...241-1	241
	DRIVER'S GAS PARTICULATE HEATER ORIFICE CONNECTOR, HOSE ASSEMBLY AND RELATED PARTS	242–1	242

TABLE OF CONTENTS

		PAGE	ILLUS
GROUP 94	REPAIR PARTS KITS AND SETS		
	9401–REPAIR KITS	KITS-1	
	KIT	KIT-1	KIT
GROUP 95	GENERAL USE STANDARDIZED PARTS		
	9501-BULK MATERIEL	BULK–1	
	BULK	BULK-1	BULK

SECTION III. SPECIAL TOOLS

GROUP 26	TOOLS AND TEST EQUIPMENT		
	2604-SPECIAL TOOLS	243-1	
	SPECIAL TOOL KIT COMPONENTS	243-1	243
	TRACK TORQUINGTOOL KIT(ASSY P/N PD704)	244-1	244
	POWER PACK GROUND HOP INTERFACE KIT (ASSY P/N 12340135)	245-1	245

SECTION IV. CROSS-REFERENCE INDEXES

NATIONAL STOCK NUMBER INDEX	I-1
PART NUMBER INDEX	I-52
FIGURE AND ITEM NUMBER INDEX	I-166

UNIT
DIRECT SUPPORT AND
GENERAL SUPPORT MAINTENANCE
REPAIR PARTS AND SPECIAL TOOLS LISTS
(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 suppor equipment required for performance of Unit, Direct Support and General Support Maintenance of the Combat Engineer Vehicle, Full Tracked. 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 repairable special tools are also listed in the section. Items listed are shown on the associated illustration(s)/figure(s).

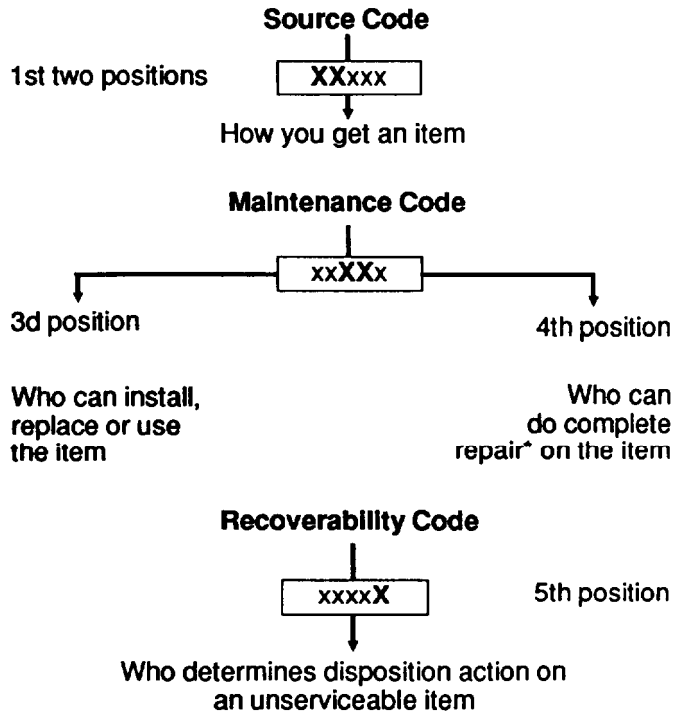
b. *Section Ill. Special Tools List.* A list of special tools, special TM DE, and other special support equipment authorized by this RPSTL (as indicated by Basis of Issue (BOI) information in DESCRIPTION AND USABLE ON CODE column) for the performance of maintenance.

c. *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, FSCM, 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.

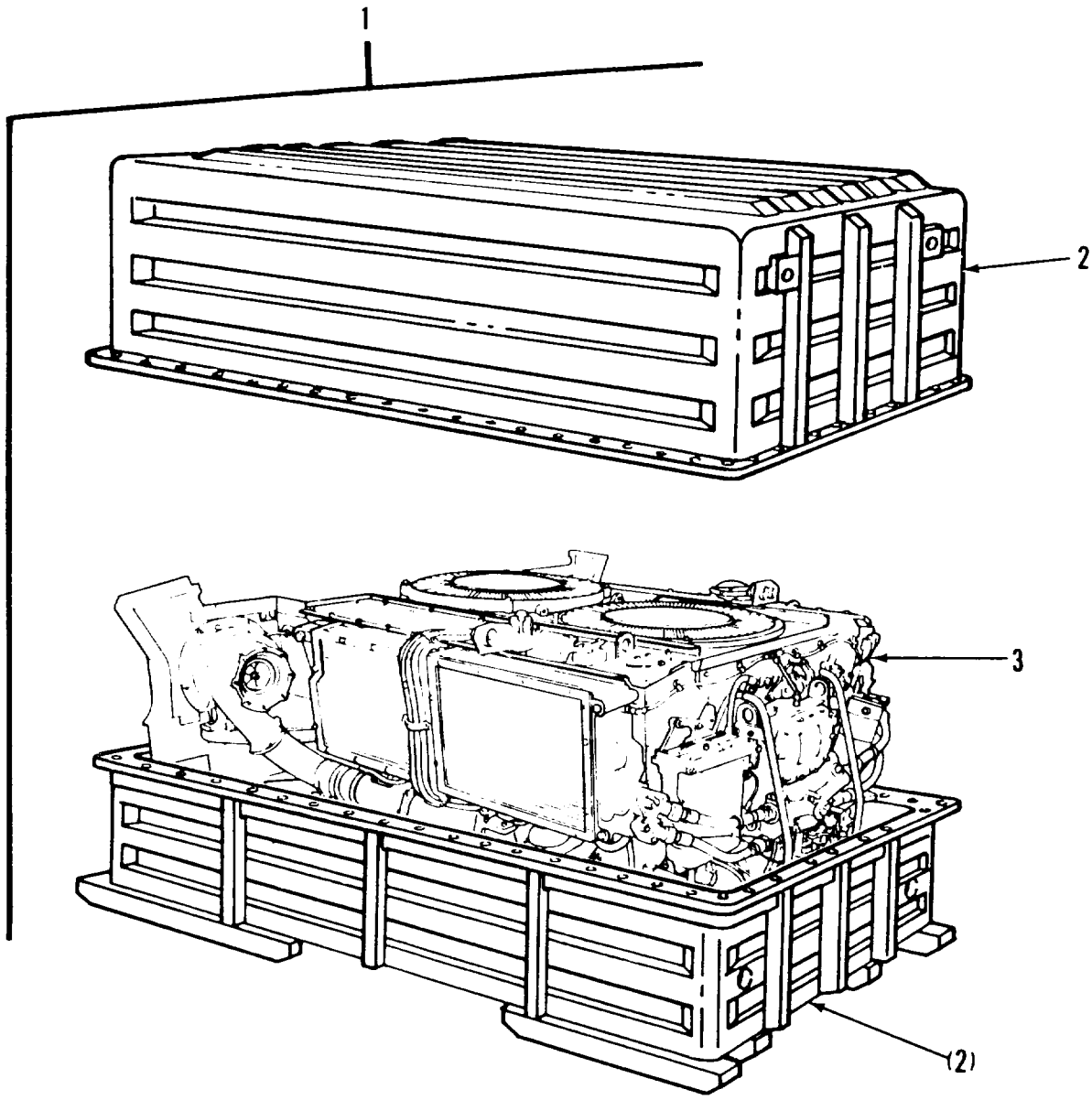


FIGURE 1. DIESEL ENGINE MODEL 2DA AND SHIPPING CONTAINER.

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES (UOC)	(6) QTY
				GROUP: 01 ENGINE GROUP: 0100 ENGINE ASSEMBLY	
				FIGURE 1. DIESEL ENGINE MODEL 2DA AND SHIPPING CONTAINER.	
1	PAFHD	19207	5705271	ENGINE AND CONTAINE (FOR COMPONENT PARTS SEE TM9-2815-220-34P)	1
2	PAFDD	19207	10912269	SHIPPING AND STORAG (FOR COMPONENT PARTS SEE TM9-2815-220-34P)	1
3	XDFHD	19207	12314642	ENGINE, DIESEL 2DA (FOR COMPONENT PARTS SEE TM9-2815-220-34P)	1
				END OF FIGURE	

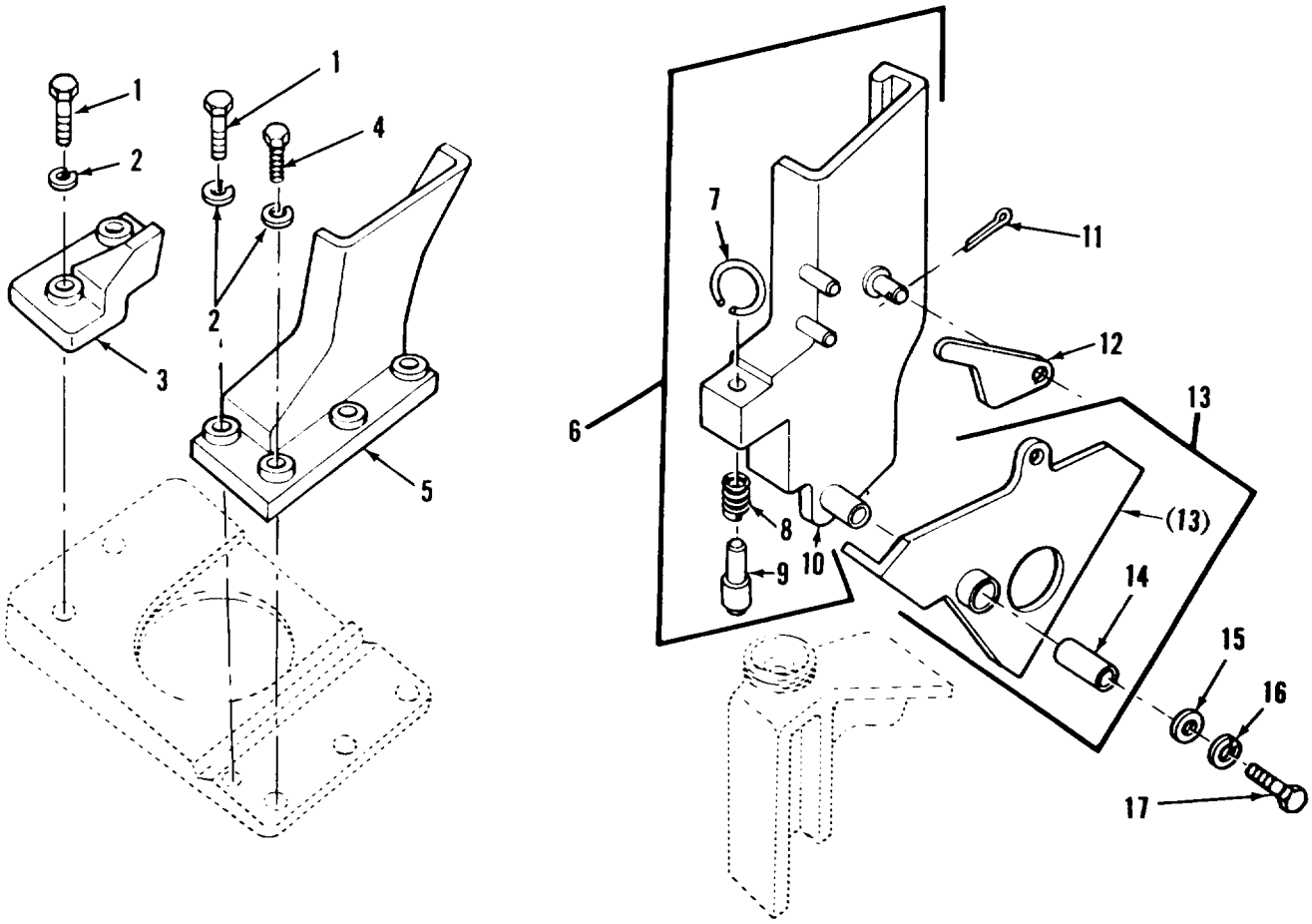


FIGURE2. POWER PLANT GUIDE ASSEMBLIES, GUIDES, SUPPORTS AND RELATED PARTS.

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES (UOC)	(6) QTY
				GROUP: 0100 ENGINE ASSEMBLY	
				FIGURE 2. POWER PLANT GUIDE ASSEMBLIES, GUIDES, SUPPORTS AND RELATED PARTS.	
1	PAOZZ	96906	MS90727-162	SCREW,CAP,HEXAGON	6
2	PAOZZ	80045	23MS35338-50	WASHER,LOCK	12
3	PAOZZ	19207	10863827	SUPPORT,ENGINE,FRON LEFT INNER	1
3	PAOZZ	19207	10863828	SUPPORT,ENGINE,FRON RIGHT INNER	1
4	PAOZZ	96906	MS90727-161	SCREW,CAP,HEXAGON	6
5	PBOZZ	19207	10893844	BRACKET,MOUNTING LEFT FRONT	1
5	PAOZZ	19207	10893845	BRACKET,MOUNTING RIGHT FRONT	1
6	PAOOO	19207	11645840-1	GUIDE,POWER PLANT	1
6	PAOOO	19207	11645840-2	GUIDE,POWER PLANT	1
7	PAOZZ	19207	8744683	RING,CONNECTING,ROU	1
8	PAOZZ	19207	8744687	SPRING,HELICAL,COMP	1
9	PAOZZ	19207	8744690	PIN,SHOULDER,HEADLE	1
10	XAOZZ	19207	8762760	GUIDE (USE WITH POWER PLANT GUIDE P/N 11645840-1) CIIC()	1
10	XAOZZ	19207	8762761	GUIDE, POWER PLANT (USE WITH POWER PLANT GUIDE P/N 11645840-2)	1
11	PAOZZ	96906	MS24665-136	PIN,COTTER	2
12	PAOZZ	19207	10911147	LATCH,POWER PLANT	2
13	XDOOO	19207	11645839-1	SUPPORT ASSEMBLY LEFT	1
13	XDOOO	19207	11645839-2	SUPPORT ASSEMBLY RIGHT	1
14	PAOZZ	19207	5160090	BEARING,SLEEVE	1
15	PAOZZ	19207	11645835	WASHER,FLAT	2
16	PAOZZ	96906	MS35338-46	WASHER,LOCK	2
17	PAOZZ	96906	MS90727-58	SCREW,CAP,HEXAGON	2
				END OF FIGURE	

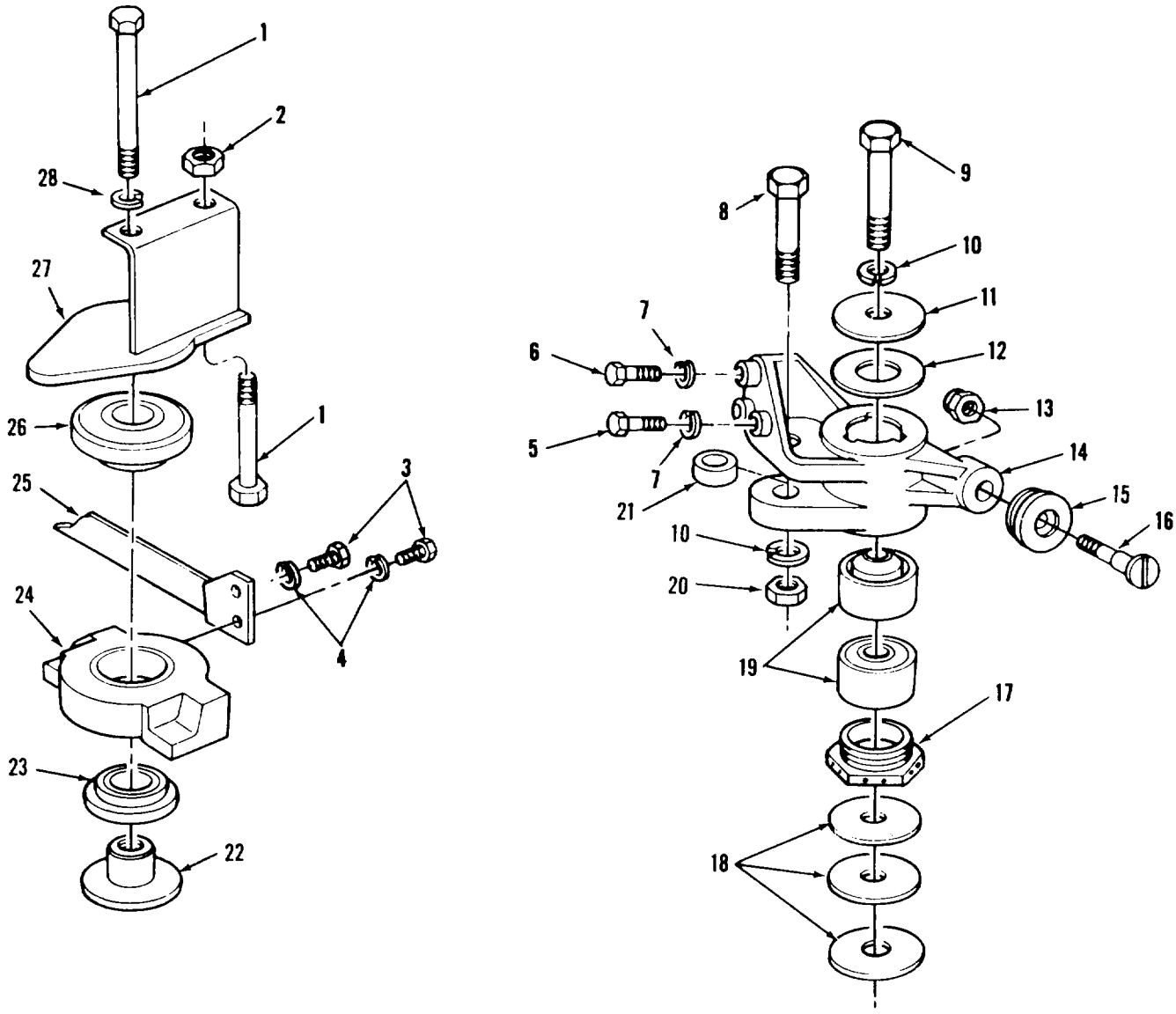


FIGURE 3. POWER PLANT MOUNTS, BRACKETS AND RELATED PARTS.

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES (UOC)	(6) QTY
				GROUP: 0100 ENGINE ASSEMBLY	
				FIGURE 3. POWER PLANT MOUNTS, BRACKETS AND REALTED PARTS.	
1	PAOZZ	19207	10863824	BOLT,MACHINE	4
2	PAOZZ	96906	MS51922-61	NUT,SELF-LOCKING,HE	2
3	PAOZZ	96906	MS90727-32	BOLT,MACHINE	4
4	PAOZZ	96906	MS35338-45	WASHER,LOCK	4
5	PAOZZ	96906	MS90727-110	SCREW,CAP,HEXAGON	2
6	PAOZZ	96906	MS90727-112	SCREW,CAP,HEXAGON	4
7	PAOZZ	96906	MS35338-48	WASHER,LOCK	6
8	PAOZZ	96906	MS90727-240	SCREW,CAP,HEXAGON	2
9	PAOZZ	19207	8762751	BOLT,MACHINE	2
10	PAOZZ	96906	MS35338-53	WASHER,LOCK	2
11	PAOZZ	19207	7027644	WASHER,SHOULDERED PART OF KIT P/N	2
12	PAOZZ	19207	8721922	WASHER,FLAT	2
13	PAOZZ	96906	MS51922-68	NUT,SELF-LOCKING,HE	2
14	PAOZZ	19207	10934034-1	BRACKET,TRANSMISSIO LEFT	1
14	PAOZZ	19207	10934034-2	BRACKET,TRANSMISSIO RIGHT	1
15	PAOZZ	19207	8744681	ROLLER,LINEAR-ROTAR	2
16	PAOZZ	19207	8744685	SCREW,SHOULDER	2
17	PAOZZ	19207	7027645	BUSHING,MACHINE THR	2
18	PAOZZ	19207	10951582	WASHER,SPRING TENSI PART OF KIT P/N	6
19	PAOZZ	19207	10870335	MOUNT,RESILIENT	4
20	PAOZZ	96906	MS51968-29	NUT,PLAIN,HEXAGON	2
21	PAOZZ	19207	7970891	SPACER,TRANSMISSION	2
22	PAOZZ	19207	10863829	BUSHING,SLEEVE	2
23	PAOZZ	19207	10870010	MOUNT,RESILIENT	2
24	PAOZZ	19207	10863831	MOUNT,ENGINE,LEFT	1
24	PAOZZ	19207	10863830	MOUNT,ENGINE,RIGHT	1
25	PAOZZ	19207	10863819	BRACKET ASSEMBLY,FR	1
26	PAOZZ	19207	10870011	MOUNT,RESILIENT	2
27	PAOZZ	19207	10863825	SUPPORT,MOUNT LEFT	1
27	PAOZZ	19207	10863826	BRACKET,MOUNTING RIGHT	1
28	PAOZZ	96906	MS35338-51	WASHER,LOCK	2
				END OF FIGURE	

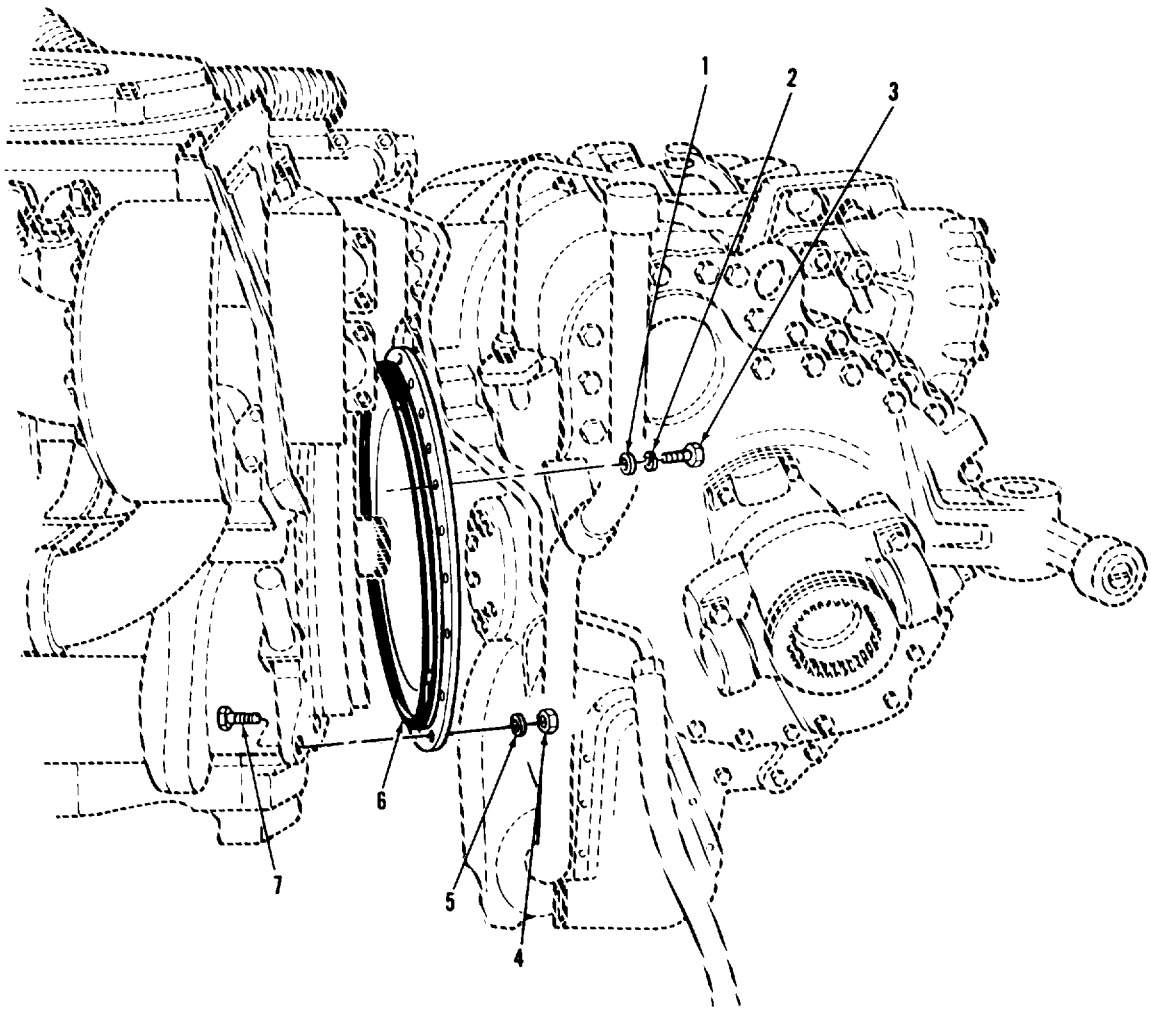


FIGURE 4. ENGINE TO TRANSMISSION CONNECTING PARTS.

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES (UOC)	(6) QTY
				GROUP: 0100 ENGINE ASSEMBLY	
				FIGURE 4. ENGINE TO TRANSMISSION CONNECTING PARTS.	
1	PAFZZ	88044	AN960-716	WASHER,FLAT	17
2	PAFZZ	96906	MS35338-47	WASHER,LOCK	17
3	PAFZZ	96906	MS90727-87	SCREW,CAP,HEXAGON	17
4	PAFZZ	96906	MS20500-720A	NUT,SELF-LOCKING,HE	2
5	PAFZZ	88044	AN960-716	WASHER,FLAT	2
6	PAFZZ	19207	7723892	PACKING,PREFORMED	2
7	PAFZZ	96906	MS90727-94	SCREW,CAP,HEXAGON	2
				END OF FIGURE	