

TM 10-3930-675-24P

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

FOR

**ROUGH TERRAIN CONTAINER HANDLER (RTCH):
RT 240; 53,000 LB CAPACITY; 4 X 4
(NSN 3930-01-473-3998)**



Approved for public release; distribution is unlimited.

HEADQUARTERS, DEPARTMENT OF THE ARMY

JULY 2001

TECHNICAL MANUAL
TM 10-3930-675-24P

HEADQUARTERS
DEPARTMENT OF THE ARMY
Washington, D.C., 1 July 2001

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

FOR

**ROUGH TERRAIN CONTAINER HANDLER (RTCH):
RT 240; 53,000 LB CAPACITY; 4 X 4
(NSN 3930-01-473-3998)**

Current as of 1 July 2001
Approved for Public Release; Distribution is Unlimited

REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

You can help improve this publication. If you find any mistakes or if you know of a way to improve the procedures, please let us know. Submit your DA Form 2028 (*Recommended Changes to Equipment Technical Publications*), through the Internet, on the Army Electronic Product Support (AEPS) website. The Internet address is <http://aeprs.ria.army.mil>. If you need a password, scroll down and click on "ACCESS REQUEST FORM". The DA Form 2028 is located in the ONLINE FORMS PROCESSING section of the AEPS. Fill out the form and click on SUBMIT. Using this form on the AEPS will enable us to respond quicker to your comments and better manage the DA Form 2028 program. You may also mail, fax or e-mail your letter, DA Form 2028 direct to: AMSTA-LC-CI/TECH PUBS, TACOM-RI, 1 Rock Island Arsenal, Rock Island, IL 61299-7630. The e-mail address is: TACOM-TECH-PUBS@ria.army.mil. The fax number is DSN 793-0726 or Commercial (309) 782-0726.

TABLE OF CONTENTS

	Illus/ Fig	Page
Section I. Introduction		
Section II. Repair Parts List		
GROUP 01 ENGINE		
0100- ENGINE ASSEMBLY		1-1
ENGINE ASSEMBLY	1	1-1
FRONT ENGINE SUPPORT AND MOUNTING	2	2-1
REAR ENGINE SUPPORT AND MOUNTING	3	3-1
ENGINE LIFTING BRACKET	4	4-1
0101- CRANKCASE, BLOCK, CYLINDER HEAD		5-1
CYLINDER HEAD ASSEMBLY	5	5-1
CYLINDER BLOCK	6	6-1
0102- CRANKSHAFT		7-1
CRANKSHAFT ASSEMBLY	7	7-1

TABLE OF CONTENTS (Con't)

	Illus/ Fig	Page
0103- FLYWHEEL ASSEMBLY		8-1
FLYWHEEL AND HOUSING	8	8-1
0104- PISTON AND CONNECTING RODS		9-1
PISTONS AND CONNECTING RODS	9	9-1
0105- VALVES, CAMSHAFTS, AND TIMING SYSTEM		10-1
CAMSHAFT ASSEMBLY	10	10-1
INTAKE AND EXHAUST VALVES	11	11-1
ROCKER ARM ASSEMBLY	12	12-1
CAM FOLLOWER COMPONENTS	13	13-1
ROCKER COVER AND BREATHER TUBE	14	14-1
0106- ENGINE LUBRICATION SYSTEM		15-1
ENGINE OIL CHECK AND FILL	15	15-1
OIL COOLER AND FILTER HEAD	16	16-1
FILTER, LUBRICATION OIL	17	17-1
OIL PAN ASSEMBLY	18	18-1
OIL PUMP	19	19-1
OIL LINES AND FITTINGS, TURBOCHARGER	20	20-1
OIL SAMPLING VALVE, ENGINE	21	21-1
0108- MANIFOLDS		22-1
INTAKE MANIFOLD	22	22-1
EXHAUST MANIFOLD	23	23-1
0109- ACCESSORY DRIVING MECHANISMS		24-1
ACCESSORY DRIVE, HYDRAULIC PUMP	24	24-1
IDLER GEARS	25	25-1
PULLEYS, ACCESSORY DRIVE	26	26-1
GEAR HOUSING COVER	27	27-1
0125- ACCESSORY DRIVE ASSEMBLY		28-1
GEAR HOUSING	28	28-1
ACCESSORY DRIVE, FUEL PUMP	29	29-1
GROUP 03 FUEL SYSTEM		
0301- CARBURETOR, FUEL INJECTOR		30-1
FUEL INJECTOR	30	30-1
0302- FUEL PUMPS		31-1
FUEL PUMP	31	31-1
FUEL PUMP LINES, FITTINGS, ADAPTERS, AND ECU COOLER	32	32-1
0304- AIR CLEANER		33-1
AIR CLEANER COMPONENTS	33	33-1
AIR DUCTS (SHEETS 1 & 2)	34	34-1
0305- SUPERCHARGER, BLOWER, TURBOCHARGER, OR ALTITUDE COMPENSATOR		35-1
TURBOCHARGER ASSEMBLY	35	35-1

TABLE OF CONTENTS (Con't)

	Illus/ Fig	Page
0306- TANKS, LINES, FITTINGS, HEADERS.....		36-1
FUEL TANK AND ATTACHING HARDWARE.....	36	36-1
0309- FUEL FILTERS.....		37-1
FUEL FILTER.....	37	37-1
FUEL TANK LINES, FITTINGS AND ADAPTERS.....	38	38-1
0311- ENGINE STARTING AIDS.....		39-1
ENGINE STARTING AIDS.....	39	39-1
0312- ACCELERATOR, THROTTLE, OR CHOKE CONTROLS.....		40-1
ACCELERATOR PEDAL, ELECTRONIC.....	40	40-1
GROUP 04 EXHAUST SYSTEM		
0401- MUFFLER AND PIPES.....		41-1
MUFFLER AND EXHAUST PIPES.....	41	41-1
GROUP 05 COOLING SYSTEM		
0501- RADIATOR, EVAPORATIVE COOLER, OR HEAT EXCHANGER.....		42-1
RADIATOR AND RELATED PARTS.....	42	42-1
0503- WATER MANIFOLD, HEATERS, THERMOSTATS, AND HOUSING GASKET.....		43-1
THERMOSTAT, THERMOSTAT HOUSING, AND COVER PLATE.....	43	43-1
0504- WATER PUMP.....		44-1
WATER PUMP AND RELATED PARTS.....	44	44-1
0505 FAN ASSEMBLY.....		45-1
FAN GUARD AND FAN MOTOR.....	45	45-1
0508 WATER FILTER.....		46-1
COOLANT FILTER AND FILTER HEAD.....	46	46-1
GROUP 06 ELECTRICAL SYSTEM		
0601- GENERATOR, ALTERNATOR.....		47-1
ALTERNATOR AND RELATED PARTS.....	47	47-1
0603- STARTING MOTOR.....		48-1
STARTER ASSEMBLY.....	48	48-1
0607- INSTRUMENT OR ENGINE CONTROL PANEL.....		49-1
DASH PANEL, COLUMN GAGES AND SWITCHES.....	49	49-1
ENGINE WIRING HARNESS (SHEETS 1 & 2).....	50	50-1
0608- MISCELLANEOUS ITEMS.....		51-1
ELECTRONIC JOYSTICK ASSEMBLY.....	51	51-1
BOOM TERMINAL BOXES.....	52	52-1
TRANSMISSION AND STEERING ECUs.....	53	53-1
TOPHANDLER TERMINAL BOX AND WIRING.....	54	54-1
HYDRAULIC SERVO SYSTEM ECU.....	55	55-1
CAB DISTRIBUTION UNIT.....	56	56-1

TABLE OF CONTENTS (Con't)

	Illus/ Fig	Page
0609- LIGHTS.....		57-1
FRONT AND REAR LIGHTS.....	57	57-1
BOOM, TOPHANDLER, CAB, AND TWISTLOCK INDICATOR LIGHTS.....	58	58-1
0610- SENDING UNITS AND WARNING SWITCHES.....		59-1
WHEEL HUB AND WHEEL STEERING SENSORS.....	59	59-1
CHASSIS AND BOOM SENSORS.....	60	60-1
ENGINE SENSORS AND ECU.....	61	61-1
TRANSMISSION SENSORS.....	62	62-1
0611- HORN, SIREN.....		63-1
HORN ASSEMBLY.....	63	63-1
0612- BATTERIES, STORAGE.....		64-1
BATTERIES, CABLES, AND MASTER BATTERY SWITCH.....	64	64-1
0613- HULL OR CHASSIS WIRING HARNESS.....		65-1
CAB HARNESES.....	65	65-1
CHASSIS HARNESES (PART 1).....	66	66-1
CHASSIS HARNESES (PART 2).....	67	67-1
GROUP 07 TRANSMISSION		
0700- TRANSMISSION ASSEMBLY		
TRANSMISSION ASSEMBLY.....	68	68-1
TRANSMISSION DIPSTICK AND BREATHER TUBE.....	69	69-1
0708- TORQUE CONVERTER OR FLUID COUPLING.....		70-1
TORQUE CONVERTER AND FLEX PLATES.....	70	70-1
0721- COOLERS, PUMPS, MOTORS.....		71-1
TRANSMISSION EXTERNAL HYDRAULIC HOSES.....	71	71-1
TRANSMISSION OIL COOLER, LINES, AND FITTINGS.....	72	72-1
TRANSMISSION OIL FILTERS, LINES, AND FITTINGS.....	73	73-1
TRANSMISSION OIL STRAINER AND COVER.....	74	74-1
GROUP 09 PROPELLER, PROPELLER SHAFTS, UNIVERSAL JOINTS, COUPLER, AND CLAMP ASSEMBLY		
0900- PROPELLER SHAFT.....		75-1
PROPELLER SHAFT.....	75	75-1
GROUP 10 FRONT AXLE		
1000- FRONT AXLE ASSEMBLY.....		76-1
FRONT DRIVE AXLE.....	76	76-1
GROUP 11 REAR AXLE		
1100- REAR AXLE ASSEMBLY.....		77-1
REAR DRIVE AXLE.....	77	77-1

TABLE OF CONTENTS (Con't)

	Illus/ Fig	Page
GROUP 12 BRAKES		
1201- HANDBRAKES		78-1
PARKING BRAKE ASSEMBLY AND RELATED PARTS	78	78-1
1204- HYDRAULIC BRAKE SYSTEM		79-1
CAB HYDRAULIC BRAKE COMPONENTS	79	79-1
BRAKE ACCUMULATORS, HOSES, LINES, FITTINGS, AND RELATED PARTS (SHEETS 1 & 2)	80	80-1
PARKING BRAKE HOSES, LINES, AND FITTINGS	81	81-1
BRAKE COOLING HOSES, LINES, FITTINGS, AND RELATED PARTS (SHEETS 1 FRONT & 2 REAR)	82	82-1
1206- MECHANICAL BRAKE SYSTEM		83-1
CAB BRAKE PEDAL AND RELATED PARTS	83	83-1
GROUP 13 WHEELS AND TRACKS		
1311- WHEEL ASSEMBLY		84-1
BOGIE WHEEL AND RELATED PARTS	84	84-1
DOLLY WHEEL ASSEMBLY	85	85-1
MAIN WHEEL ASSEMBLY	86	86-1
1313- TIRES, TUBES, TIRE CHAINS		87-1
TIRES	87	87-1
GROUP 14 STEERING		
1401- MECHANICAL STEERING GEAR ASSEMBLY (TRACTORS, TANKS, ETC.)		88-1
ADJUSTABLE STEERING COLUMN AND SENSOR (SHEETS 1 & 2)	88	88-1
1410- HYDRAULIC PUMP OR FLUID MOTOR ASSEMBLY		89-1
EMERGENCY STEERING PUMP	89	89-1
1411- HOSES, LINES, FITTINGS		90-1
STEERING HOSES, LINES, AND FITTINGS	90	90-1
1412- HYDRAULIC OR AIR CYLINDERS		91-1
STEERING CYLINDERS	91	91-1
1414- STEERING SYSTEM VALVES		
STEERING ACCUMULATOR AND CONTROL VALVE	92	92-1
GROUP 15 FRAME, TOWING ATTACHMENTS, DRAWBARS, AND ARTICULATION SYSTEMS		
1501- FRAME ASSEMBLY		93-1
FRAME AND BOOM SUPPORT RELATED COMPONENTS	93	93-1
SUPPORT FRAME MOUNTING COMPONENTS	94	94-1
BOOM BRACKETS AND CONVEYOR RELATED PARTS	95	95-1
1503- PINTLES AND TOWING ATTACHMENTS		96-1
PINTLE HOOK	96	96-1

TABLE OF CONTENTS (Con't)

	Illus/	
1507- LANDING GEAR, LEVELING JACKS		97-1
BOGIE WHEEL FRAME COMPONENTS	97	97-1
GROUP 18 BODY, CAB, HOOD, AND HULL		
1801- BODY, CAB, HOOD, AND HULL ASSEMBLIES		98-1
STEPS, HANDRAIL, TREAD PLATES, AND RELATED PARTS	98	98-1
FORWARD COMPARTMENT DOORS AND RELATED PARTS	99	99-1
REAR COMPARTMENT DOOR AND RELATED PARTS	100	100-1
ENGINE HOOD, ACCESS COVERS, AND RELATED PARTS (SHEETS 1 & 2)	101	101-1
CAB SUPPORT FRAMES AND RELATED PARTS	102	102-1
CAB BODY	103	103-1
CAB DOOR COMPONENTS	104	104-1
CAB INSULATION AND COVERS	105	105-1
CAB PANELS AND RELATED PARTS	106	106-1
DASH PANEL	107	107-1
1802- FENDERS, RUNNING BOARDS WITH MOUNTING AND ATTACHING PARTS, OUTRIGGERS, WINDSHIELD, GLASS, ETC.		108-1
FENDERS AND RELATED PARTS	108	108-1
CAB GLASS AND RELATED PARTS	109	109-1
1806- UPHOLSTERY, SEATS, AND CARPETS		110-1
SEAT ASSEMBLY (SHEETS 1 & 2)	110	110-1
GROUP 22 BODY, CHASSIS, AND HULL ACCESSORY ITEMS		
2202- ACCESSORY ITEMS		111-1
REARVIEW MIRRORS	111	111-1
WINDSHIELD, WIPERS, MOTOR, AND WASHER	112	112-1
HEATER/AIR CONDITIONING ASSEMBLY COMPONENTS	113	113-1
HEATER/AC CONTROLS AND DUCTING COMPONENTS	114	114-1
2210- DATA PLATES AND INSTRUCTION HOLDERS		115-1
DECALS (SHEETS 1,2,3)	115	115-1
DECALS (SHEETS 1 & 2)	116	116-1
SIGNS AND DATA PLATES	117	117-1
GROUP 24 HYDRAULIC AND FLUID SYSTEMS		
2401- PUMP AND MOTOR		118-1
HYDRAULIC PUMPS AND LINES (MAIN SYSTEM)	118	118-1
HYDRAULIC PUMPS AND LINES (TOPHANDLER)	119	119-1
2403- HYDRAULIC CONTROLS AND/OR MANUAL CONTROLS		120-1
MANUAL CONTROLS AND RELATED PARTS	120	120-1
2405- MAST COLUMN		121-1
BOOM FOLDING CYLINDERS	121	121-1

TABLE OF CONTENTS (Con't)

	Illus/ Fig	Page
2406- STRAINERS, FILTERS, LINES AND FITTINGS, ETC.....		122-1
HYDRAULIC FILTERS AND FITTINGS (MAIN SYSTEM).....	122	122-1
HYDRAULIC FILTER, LINES, AND FITTINGS (SERVO SYSTEM).....	123	123-1
HYDRAULIC COOLING LINES, FITTINGS, AND PUMP (MAIN SYSTEM).....	124	124-1
HYDRAULIC LIFT LINES AND FITTINGS (MAIN SYSTEM).....	125	125-1
HYDRAULIC BOOM EXTENSION LINES AND FITTINGS.....	126	126-1
HYDRAULIC BOOM BEAM LINES AND FITTINGS.....	127	127-1
HYDRAULIC BOOM LINES AND FITTINGS, TRANSPORT.....	128	128-1
HYDRAULIC CAB LINES AND FITTINGS, TRANSPORT.....	129	129-1
HYDRAULIC TEST POINT AND LINES AND FITTINGS.....	130	130-1
HYDRAULIC LINES AND FITTINGS FOR FORK KIT.....	131	131-1
HYDRAULIC LINES AND FITTINGS FOR TOPHANDLER SWIVEL.....	132	132-1
HYDRAULIC LINES AND FITTINGS FOR TOPHANDLER (SHEETS 1 & 2).....	133	133-1
2407- HYDRAULIC CYLINDERS.....		134-1
CAB SIDE SHIFT AND LOWERING CYLINDERS.....	134	134-1
BOOM LIFTING AND LOCKING PIN CYLINDERS.....	135	135-1
BOOM EXTENSION AND TOPHANDLER TILT CYLINDERS.....	136	136-1
BOGIE WHEEL CYLINDERS.....	137	137-1
TOPHANDLER HYDRAULIC CYLINDERS.....	138	138-1
FORKLIFT CYLINDERS.....	139	139-1
2408- LIQUID TANKS OR RESERVOIRS.....		140-1
HYDRAULIC RESERVOIRS AND RELATED PARTS.....	140	140-1
GROUP 34 ARMAMENT AND SIGHTING AND FIRE CONTROL (ELECTRIC/ELECTRONIC) MATERIEL		
3401- PRIMARY ARMAMENT.....		141-1
RIFLE MOUNTING KIT.....	141	141-1
GROUP 52 REFRIGERATION, AIR CONDITIONER/HEATER, AND AIR CONDITIONING COMPONENTS		
5200- AIR CONDITIONER/HEATER ASSEMBLY AND GAS COMPRESSOR ASSEMBLY		142-1
A/C COMPRESSOR AND RELATED PARTS.....	142	142-1
5217- REFRIGERANT PIPING.....		143-1
AIR CONDITIONING LINES.....	143	143-1
5230- CONDENSER (WATER OR AIR COOLED).....		144-1
CONDENSER AND MOUNTING HARDWARE.....	144	144-1
GROUP 74 CRANES, SHOVELS, AND EARTHMOVING EQUIPMENT COMPONENTS		
7417- HOISTS.....		145-1
BOOM AND RELATED PARTS.....	145	145-1
7421- INDEPENDENT OR PRECISION BOOM HOIST.....		146-1
TOPHANDLER ASSEMBLY (SHEETS 1,2,3).....	146	146-1

TABLE OF CONTENTS (Con't)

	Illus/ Fig	Page
GROUP 94 REPAIR KITS		
9401- REPAIR KITS		KITS-1
KITS	KITS	KITS-1
Section III. Special Tools List		
GROUP 26 TOOLS AND TEST EQUIPMENT		
2604- SPECIAL TOOLS		147-1
ORGANIZATIONAL SUPPORT SPECIAL TOOLS	147	147-1
DIRECT SUPPORT SPECIAL TOOLS.....	148	148-1
DIRECT SUPPORT SPECIAL TOOLS.....	149	149-1
DIRECT SUPPORT SPECIAL TOOLS.....	150	150-1
GENERAL SUPPORT SPECIAL TOOLS	151	151-1
GENERAL SUPPORT SPECIAL TOOLS	152	152-1
Section IV. Cross-Reference Indexes		
NATIONAL STOCK NUMBER INDEX.....		I-1
PART NUMBER INDEX.....		I-84

**ORGANIZATIONAL, DIRECT SUPPORT, AND GENERAL SUPPORT MAINTENANCE REPAIR
PARTS AND SPECIAL TOOLS LISTS (RPSTL) (INCLUDING DEPOT MAINTENANCE
REPAIR PARTS) - INTRODUCTION**

0001 00

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 Organizational, Direct Support and General Support maintenance of the RT 240 RTCH. It authorizes the requisitioning, issue, and disposition of spares, repair parts, and special tools as indicated by the source, maintenance, and recoverability (SMR) codes.

GENERAL

In addition to the Introduction work package, this RPSTL is divided into the following work packages:

- a. **Repair Parts List Work Packages.** Work packages containing lists of spares and repair parts authorized by this RPSTL for use in the performance of maintenance. These work packages also include parts which must be removed for replacement of the authorized parts. Parts lists are composed of functional groups in ascending alpha-numeric sequence, with the parts in each group listed in ascending figure and item number sequence. Sending units, brackets, filters, and bolts are listed with the component they mount on. Bulk materials are listed by item name in FIG. BULK at the end of the work packages. Repair parts kits are listed separately in their own functional group and work package. Repair parts for reparable special tools are also listed in a separate work package. Items listed are shown on the associated illustrations.
- b. **Special Tools List Work Packages.** Work packages containing lists of special tools, special TMDE, and special support equipment authorized by this RPSTL [as indicated by Basis of Issue (BOI) information in the DESCRIPTION AND USABLE ON CODE (UOC) column]. Tools that are components of common tool sets and/or Class VII are listed.
- c. **Cross-Reference Indexes Work Packages.** There are two cross-reference indexes work packages in this RPSTL: National Stock Number Index and Part Number Index.

EXPLANATION OF COLUMNS IN THE REPAIR PARTS LIST AND SPECIAL TOOLS LIST WORK PACKAGES

- a. **Item No. (Column 1).** Indicates the number used to identify items called out in the illustration.
- b. **SMR Code (Column 2).** The SMR code containing supply/requisitioning information, maintenance level authorization criteria, and disposition instruction, as shown in the following breakout:

SOURCE CODE	MAINTENANCE CODE		RECOVERABILITY CODE
XXxxx	xxXXx		xxxxX
1st two positions	3rd position	4th position	5th position
How you get an item.	Who can install, replace or use the item.	Who can do complete repair* on the item.	Who determines disposition action on an unserviceable item.

* *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.

ORGANIZATIONAL, DIRECT SUPPORT, AND GENERAL SUPPORT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LISTS (RPSTL) (INCLUDING DEPOT MAINTENANCE REPAIR PARTS) INTRODUCTION - CONTINUED

0001 00

EXPLANATION OF COLUMNS IN THE REPAIR PARTS LIST AND SPECIAL TOOLS LIST WORK PACKAGES - CONTINUED

- (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 follow:

<u>Code</u>	<u>Application/Explanation</u>
PA PB PC PD PE PF PG	Stocked items; use the applicable NSN to request/requisition items with these source codes. They are authorized to the maintenance category indicated by the code entered in the third position of the SMR code. <i>Items coded PC are subject to deterioration.</i>
KD KF KB	Items with these codes are not to be requested/requisitioned individually. They are part of a kit which is authorized to the maintenance level indicated in the third position of the SMR code. The complete kit must be requisitioned and applied.
MO - Made at Organizational/ AVUM level MF - Made at DS/AVIM Level MH - Made at GS Level ML - Made at SRA MD - Made at Depot	Items with these codes are not to be requested/requisitioned individually. They must be made from bulk materiel which is identified by the part number in the DESCRIPTION AND USABLE ON CODE (UOC) column and listed in the bulk materiel group work package of the RPSTL. If the item is authorized to you by the third position 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.
AO-Assembled by Organizational/ AVUM level AF-Assembled by DS/ AVIM level AH-Assembled by GS level AL-Assembled by SRA AD-Assembled by Depot	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 third position 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.
XA	Do not requisition an "XA" coded item. Order the next higher assembly. (Refer to NOTE below).
XB	If an item is not available from salvage, order it using the CAGEC and P/N.
XC	Installation drawings, diagrams, instruction sheets, field service drawings; identified by manufacturer's P/N.
XD	Item is not stocked. Order an SD-coded item through normal supply channels using the CAGEC and P/N given, if no NSN is available.

NOTE

Cannibalization of 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 750-1.

ORGANIZATIONAL, DIRECT SUPPORT, AND GENERAL SUPPORT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LISTS (RPSTL) (INCLUDING DEPOT MAINTENANCE REPAIR PARTS) INTRODUCTION - CONTINUED

0001 00

EXPLANATION OF COLUMNS IN THE REPAIR PARTS LIST AND SPECIAL TOOLS LIST WORK PACKAGES - CONTINUED

- (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) Third Position. 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>
C.	Crew or Operator maintenance done within Organizational/AVUM maintenance.
O.	Organizational Level/AVUM maintenance can remove, replace, and use the item.
F.	Direct Support/AVIM maintenance can remove, replace, and use the item.
H.	General Support maintenance can remove, replace, and use the item.
L.	Specialized Repair Activity (SRA) can remove, replace, and use the item.
D.	Depot Maintenance can remove, replace, and use the item.

- (b) Fourth Position. The maintenance code entered in the fourth position tells you whether or not the item is to be repaired and identifies the lowest maintenance level with the capability to do complete repair (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.

<u>Code</u>	<u>Application/Explanation</u>
O.	Organizational/AVUM is the lowest level that can do complete repair of the item.
F.	Direct Support/AVIM is the lowest level that can do complete repair of the item.
H.	General Support is the lowest level that can do complete repair of the item.
L.	Specialized Repair Activity (SRA) is the lowest level that can do complete repair of the item.
D.	Depot is the lowest level that can do complete repair of the item.
Z.	Nonreparable. No repair is authorized.
B.	No repair is authorized. No parts or special tools are authorized for the maintenance of a "B"-coded item. However, the item may be reconditioned by adjusting, lubricating, etc., at the user level.