TECHNICAL MANUAL

UNIT, DIRECT SUPPORT AND GENERAL SUPPORT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LIST FOR

AIR COMPRESSOR, DIESEL ENGINE DRIVEN 5.1 CFM, 3200 PSI MODEL KA7-DA (NSN 4310-01-220-7262)

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Unit, Direct Support and General Support Maintenance
Repair Parts and Special Tools List
for

AIR COMPRESSOR, DIESEL ENGINE DRIVEN
5.1 CFM, 3200 PSI
MODEL KA7-DA
(NSN 4310-01-220-7262)

Current as of 15 April 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 Aviation and Troop Command, ATTN: AMSAT-I-MP, 4300 Goodfellow Blvd. , St. Louis, MO 63120-1798. A reply will be furnished directly to you.

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TABLE OF CONTENTS

		Page	Illus/ Figure
Section I	Introduction	1	
II	Repair Parts List	1-1	
Group 01	Belt Guards	1-1	1
Group 02	V-Belt	2-1	2
Group 03	Storage Tray	3-1	3
Group 04	Gages and Gage Panel	4-1	4
Group 05	Purifier Assembly	5-1	5
Group 06	Air Compressor Assembly	6-1	6
	Fan Wheel	7-1	7
	Inlet Filter and Adapter Assembly	8-1	8
	Pre-Filter Hose Assembly	9-1	9
	2nd Stage Separator Assembly	10-1	10
	Safety Valve, 725 PSIG	11-1	11
	Final Separator Assembly	12-1	12
	Safety Valve, 3260 PSIG	13-1	13
	1st Stage Intercooler	14-1	14
	2nd Stage Intercooler	15-1	15
	Aftercooler Coil	16-1	16
	Lines and Fittings	17-1	17
	Oil Pressure Regulator	18-1	18

TABLE OF CONTENTS (Cont)

		Page	Illus/ Figure
	Oil Pump	19-1	19
	Oil Filter, Dipstick and Drain Tube	20-1	20
	Crankcase Breather Assembly	21-1	21
	1st Stage Cylinder	22-1	22
	Valve Head and Valve Assembly, 1st Stage	23-1	23
	Piston and Piston Rod Assembly, 1st Stage	24-1	24
	2nd Stage Cylinder	25-1	25
	Valve Head Assembly, 2nd Stage	26-1	26
	Safety Valve, 116 PSIG	27-1	27
	Piston and Piston Rod Assembly, 2nd Stage	28-1	28
	3rd Stage Cylinder	29-1	29
	Valve Head Assembly, 3rd Stage	30-1	30
	Crosshead and Rod Assembly, 3rd Stage	31-1	31
	Compressor Crankshaft and Main Bearings	32-1	32
	Crankcase	33-1	33
Group 07	Engine Assembly	34-1	34
	Sheave (Pulley)	35-1	35
	Fuel Lines and Filter	36-1	36
	Fuel Tank Assembly	37-1	37
	Fuel Injector	38-1	38
	Fuel Injector Pump	39-1	39
	Air Cleaner Assembly	40-1	40
	Muffler Assembly	41-1	41
	Valve Cover	42-1	42
	Cylinder Head Assembly	43-1	43
	Governor Assembly	44-1	44
	Speed Control Assembly	45-1	45
	Compression Release Assembly	46-1	46
	Gear Cover Assembly	47-1	47
	Camshaft Assembly	48-1	48
	Oil Filter Screen	49-1	49
	Cylinder	50-1	50
	Piston and Connecting Rod Assemblies	51-1	51
	Oil Pump Assembly	52-1	52
	Flywheel	53-1	53
	Fanwheel	54-1	54
	Crankshaft Assembly	55-1	55
	Crankcase Assembly	56-1	56
Group 08	Cold Start System	57-1	57
Group 09	Pressure Maintaining Valve	58-1	58
Group 10	Charging Whip Assembly, Air Tank	59-1	59

TABLE OF CONTENTS (Cont)

		Page	Illus/ Figure
Group 11	Frame	60-1	60
	Shock Mounts	61-1	61
	Support Bracket	62-1	62
Section III	Special Tools List		
Group 12	Special Tools	63-1	63
Section IV	Cross References Indexes		
	National Stock Number Index	I-1	
	Part Number Index	I-2	
	Figure and Item Number Index	I-15	

UNIT, DIRECT SUPPORT AND GENERAL SUPPORT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LIST

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 Air Compressor, 5. 1 CFM, 3,200 PSI. It authorizes the requisitioning, issue, and disposition of spares, repair parts and special tools as indicated by the source, maintenance and recoverability (SMR) codes.

NOTE

SMR codes in this RPSTL are shown only on parts that will be stocked for maintenance of the end item. Other items may be ordered using the CAGEC and Part Number. Maintenance and recoverability authorization for parts without SMR codes can be identified by the next higher assembly or the Maintenance Allocation Chart (MAC) found in TM5-4310-387-14.

2. GENERAL. In addition to this section, 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. This 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. Items are shown in the associated illustration(s)/figure(s).

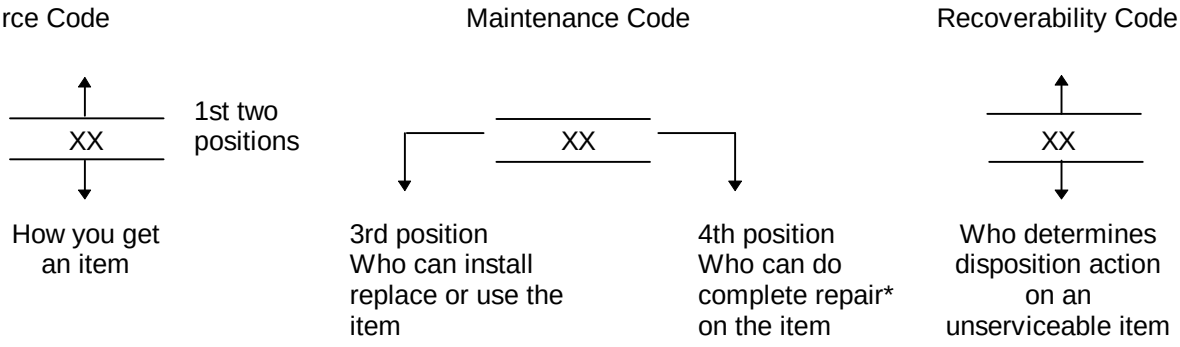
b. Section III. Special Tools List. A list of special tools, special TMDE, and other special support equipment authorized by this RPSTL (as indicated by Basis of Issue (BOI) information in DESCRIPTION AND USABLE ON CODE column) for the performance of maintenance.

c. Section IV. Cross-Reference Index. 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, CAGEC and part number.

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 instruction, 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:

Source Code	Explanation
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 category indicated by the code entered in the 3rd position of the SMR code. **NOTE: Items coded PC are subject to deterioration.
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 category indicated in the 3rd position of the SMR code. The complete kit must be requisitioned and applied.
MO - (Made at Unit/AVUM Level) MF - (Made at DS/AVUM Level) MH - (Made at GS Level) ML - (Made at Specialized Repair Activity (SRA)) MD - (Made at Depot)	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 3rd 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.
AO - (Assembled by Unit/AVUM Level) AF - (Assembled by DS/AVIM Level) AH - (Assembled by GS Category) 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 3rd position code of the SMR code authorizes you to replace the item, but the source code indicates the items are assembled at a higher level, order the item from the higher level of maintenance.

XA - Do not requisition "XA"-coded item. Order its next higher assembly. (Refer to the NOTE below.)

XB - If an "XB" item is not available from salvage, order it using the CAGEC and part number given.

XC - Installation drawing, diagram, instruction sheet, field service drawing, that is identified manufacturer's part number.

XD - Item is not stocked. Order an "XD"-coded item through normal supply channels using the CAGEC 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 750-1.

(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 the following levels of maintenance.

Maintenance Code	Application/Explanation
C -	Crew or operator maintenance done within unit/AVUM maintenance.
O -	Unit 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 can remove, replace, and use the item.
D -	Depot 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 an item at a lower level of maintenance, if authorized by the Maintenance Allocation Chart and SMR codes.

Maintenance Code	Application/Explanation
O -	Unit/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 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.

(3) Recoverability Code. Recoverability codes are assigned to items to indicate the disposition action on unserviceable items. The recoverability code is entered in the fifth position of the SMR Code as follows: