



***TB 43-0002-33**

TECHNICAL BULLETIN

MAINTENANCE EXPENDITURE LIMITS FOR

FSC GROUP 41

FSC CLASSES 4110, 4120, 4140

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**HEADQUARTERS, DEPARTMENT OF THE ARMY
15 SEPTEMBER 2000**

- **This bulletin supersedes TB43 -0002-33, 1 June 1999**

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Dates of issue for original and changed pages are:

Original 0 15 Sep 2000

Total number of pages of this technical bulletin is 28,
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**MAINTENANCE EXPENDITURE LIMITS FOR
FSC GROUP 41
FSC CLASSES 4110, 4120, 4140**

REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

You can help improve this manual. If you find any mistakes in regards to **FSC 4120**, mail your letter, DA Form 2028 (Recommended Changes to Publications and Blank Forms) located in back of this manual direct to: Commander, US Army Communications-Electronics Command and Fort Monmouth, ATTN: AMSEL-LC-LEO-D-CS-CFO, Fort Monmouth, New Jersey 07703-5000. The fax number is (908)-532-1413, DSN 992-1413. You may also e-mail your recommendations to AMSEL-LC-LEO-PUBS-CHG@cecom3.monmouth.army.mil

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REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

You can help improve this manual. If you find any mistakes in regards to **FSC 4110**, 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) located in back of this manual direct to: Commander, US Army Soldier Systems Command, ATTN:AMSSC-I-SP, Kansas Street, Natick, MA, 01760-5052. A reply will be furnished directly to you. The facsimile number is (508) 233-5569, DSN 256-5569. You may also submit your recommended changes by E-mail directly to amsscsr@natick-amed02.army.mil

In either case a reply will be furnished direct to you.

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Section I. GENERAL

1. Purpose. This bulletin implements the policies established by AR 750-1. It provides one-time repair expenditure limits, guidance for technical inspection, and disposition instructions.
2. Scope. This bulletin applies to U.S. Army organizations, installations, activities and the Reserve components worldwide that use the equipment listed in the appendixes of this bulletin. This bulletin is not applicable to Army depots with an assigned overhaul mission.

Section II. ONE-TIME REPAIR EXPENDITURE LIMITS

3. Procedures.
 - a. One-time repair expenditure limits are applicable each time an item becomes unserviceable. The one-time repair expenditure limit is expressed as a percentage of the total repair cost estimate to the total cost of the end item. End item standard price is listed in Management Data List (ML) of DA Supply Catalogs or SB 700-20.
 - b. The procedure for determining the repair expenditure limit for an item is as follows:
 - (1) Identify the item by NSN, make, model, serial number and year of manufacture. This data may be obtained from either the equipment data plate or the equipment log book.
 - (2) Obtain the standard price of the item from the Army Master Data File (AMDF).
 - (3) Locate item in the appendix that contains the FSC class to which item is assigned.
 - (4) Determine the percentage factor, columns 7 through 11, that is applicable for the year that repair or overhaul is required.
 - (5) Multiply the end item standard price by the percentage factor (from step (4) above) to determine the one time allowable expenditure costs.
4. Expenditure Limits.
 - a. One-time repair expenditure limits are shown in appendixes as indicated below:
 - (1) FSC 4110 – Appendix A
 - (2) FSC 4120 – Appendix B
 - (3) FSC 4140 – Appendix C
 - b. Required repairs will not be broken into separate job estimates for the purpose of circumventing prescribed repair expenditure limits.
 - c. The expenditure limit is 60% of the standard price for bulk components, assemblies and repairable parts applicable to the end items that have remaining repair eligibility cited in this bulletin. These bulk components, assemblies and repairable parts are those items to be repaired and returned to the inventory in support of the direct exchange program and the Maintenance Support Positive (MS+) program.

Section III. TECHNICAL INSPECTIONS

5. Procedure. Equipment requiring repair or overhaul will be inspected in accordance with instructions contained in section III, Chapter 3 or AR-750-1, DA PAM 738-750 and the applicable equipment technical manuals.
6. Forms. The following list of forms will be used when applicable:
 - a. DA Form 2404 (Equipment Inspection and Maintenance Worksheet) will be used to record results of technical inspections. Refer to DA PAM 738-750 for instructions for preparation and use of the form.
 - b. DA Form 3590 (Request for Disposition or Waiver) will be prepared for items that are evacuated for depot maintenance or reported to the NIPC as unserviceable excess. Refer to TB43-0140 for instructions for preparation and use of the form.

Section IV. COMPUTATION OF REPAIR COST ESTIMATES

7. Cost Factors. Computation of repair cost estimates will be made in accordance with instructions contained in Section II, Chapter 4 of AR 750-1.
8. Procedures. Technical inspection findings will be converted to repair cost estimates by use of instructions contained in Section II of this bulletin and Section II, Chapter 4 of AR 750-1. Exclusions to the estimates of cost to repair are listed in paragraph 4-19b, AR 750-1.

Section V. DISPOSITION INSTRUCTIONS

9. Eligibility of Materiel for Evacuation to Depot Maintenance.
 - a. All Items. All items, except for air conditioners, covered by this bulletin are eligible for evacuation to depot maintenance when the technical inspection performed indicated that repairs required are not authorized and/or exceed general support maintenance capabilities.

- b. Air Conditioners. All authorized maintenance within the capability of a unit or organization (DS/GS) will be accomplished before equipment is evacuated to a higher category of maintenance for all accomplishment of repairs on a return to user basis. DA Form 3590 (Request for Disposition or Waiver) will be prepared for items reported to the NICP ***** as unserviceable access.

10. Disposition Instructions.

- a. Items will be reported to the NICP for disposition instructions under the following conditions:
 - (1) When the estimated one-time repair/overhaul cost exceeds the prescribed expenditure limits cited in this bulletin and a waiver of limits is not authorized as provided in para 3-39, AR 750-1.
 - (2) The repairs required to restore an item to a condition are beyond the capabilities of general support maintenance regardless of estimated repair cost.
- b. Request for disposition instructions shall be prepared in accordance with TB43-0140.
- c. Report of unserviceable excess items on DD Form 1348M DOD Single Line Item Requisition System Document (Mechanical) will be accompanied by a completed DA Form 3590 for each major end item.
- d. Serviceable over-age equipment is to be retained in use unless priority or mission warrants replacement. Minimum organizational maintenance will be applied to maintain over-age equipment operable. Equipment will not be disposed of solely on the basis of the age of the item.
- e. Equipment for which the estimated repair cost exceeds the maintenance expenditure limits in this bulletin will be reported to the NICP for disposition instructions. No action will be taken to repair or dispose of the equipment until directed by the NICP.

Section VI. APPENDIXES

- 11. General. Appendixes A through C contain equipment listings and data for determining repair eligibility.

12. Explanation of Columns.

- a. Column 1, FSC or National Stock Number. End item National Stock Numbers listed in numerical sequence.

Note: Some end items have the same NSN. When requisitioning parts or making other inquiries give item identification, manufacturer and model number.

- b. Column 2, Item Identification. Item generic nomenclature, functional capability, make and model.
- c. Column 3, Technical Manual Number Identification to End Item and Remarks. This column contains the applicable end item technical manual (s) identification.
- d. Column 4, Production Year. The year that item was manufactured. If no data is shown, refer to equipment data plate or equipment logbook.
- e. Column 5, Serial No. Range or USA Number. The serial number ranges for the production years listed in column 4.
- f. Column 6, Years of Life Expectancy. The average life expectancy of the item in years.
- g. Columns 7 through 11, Repair Limitations. The limiting years in which percentages shown at the top of columns can be applied to the end item standard price as the authorized one-time repair expenditure. The limiting year as it appears in the columns is intended to represent the actual age of the equipment.
Example: If column 7 reflects 1-3 years, the allowance for repair should not exceed these limits when computed as directed by this bulletin.

13. References.

AR 750-1	TB 43-0140
DA PAM 738-750	SB 700-20
AMDF	

APPENDIX A
EXPENDITURE LIMITS FOR FSC 4110

FSC or NSN 1	Item Identification 2	Technical Manual Number Identification to end Items and remarks 3	Production Year 4	Serial No range or USA No. 5	Yrs of life expectancy 6	Repair Limitations				
						55% 7	50% 8	40% 9	30% 10	20% 11
4110-00-170-1440	ICE CREAM:CABINET:			All makes, models, & serial numbers	10	1-3	4-5	6-7	8-9	10
4110-00-170-1446	ICE CREAM:CABINET:			All makes, models, & serial numbers	10	1-3	4-5	6-7	8-9	10
4110-00-186-3485	REFRIGERATION UNIT:GED. 9,000 BTU/HR Lear-Seigler Model 1348	TM 5-4110-224-12 -20P -34 -34P	72		10	72	75	78	80	82
4110-00-194-1570	REFRIGERATOR, MECHANICAL: Commercial			All makes, models, & serial numbers	10	1-3	4-5	6-7	8-9	10
4110-00-194-1572	REFRIGERATOR, MECHANICAL: Commercial			All makes, models, & serial numbers	10	1-3	4-5	6-7	8-9	10
4110-00-197-4980	REFRIGERATION UNIT:GED. 9,000 BTU/HR Redmanson RGP-9000 MOD	TM 5-4110-223-12 -20P -34 -34P	69		10	73	76	79	81	83
4110-00-202-9146	FROZEN FOOD CABINET:			All makes, models, & serial numbers	10	1-3	4-5	6-7	8-9	10

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APPENDIX A
EXPENDITURE LIMITS FOR FSC 4110

FSC or NSN	Item Identification	Technical Manual Number Identification to end Items and remarks	Production Year	Serial No range or USA No.	Yrs of life expectancy	Repair Limitations				
						55%	50%	40%	30%	20%
1	2	3	4	5	6	7	8	9	10	11
4110-00-202-9147	FROZEN FOOD CABINET:			All makes, models, & serial numbers	10	1-3	4-5	6-7	8-9	10
4110-00-203-0565	DISPENSER, DRINKING WATER:			All makes, models, & serial numbers	10	1-3	4-5	6-7	8-9	10
4110-00-240-9409	DISPENSER, DRINKING WATER:			All makes, models, & serial numbers	10	1-3	4-5	6-7	8-9	10
4110-00-255-8760	DISPENSER, DRINKING WATER:			All makes, models, & serial numbers	10	1-3	4-5	6-7	8-9	10
4110-00-255-8762	DISPENSER, DRINKING WATER:			All makes, models, & serial numbers	10	1-3	4-5	6-7	8-9	10
4110-00-273-0816	REFRIGERATOR, MECHANICAL:			All makes, models, & serial numbers	10	1-3	4-5	6-7	8-9	10
4110-00-287-3161	Bacteriological REFRIGERATOR, PREFAB: 1,800 cu. ft., Type I, Class I&II	TM 5-4110-204-13		All makes, models, & serial numbers	10	1-4	5-8	9-12	13-14	15

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APPENDIX A
EXPENDITURE LIMITS FOR FSC 4110

FSC NSN	or Item Identification	Technical Manual Number Identification to end Items and remarks	Production Year	Serial No range or USA No.	Yrs of life expectancy	Repair Limitations				
						55%	50%	40%	30%	20%
1	2	3	4	5	6	7	8	9	10	11
4110-00-288-9960	FROZEN FOOD CABINET:			All makes, models, & serial numbers	10	1-3	4-5	6-7	8-9	10
4110-00-289-4444	REFRIGERATOR, MECHANICAL:			All makes, models, & serial numbers	10	1-3	4-5	6-7	8-9	10
4110-00-540-1134	Commercial REFRIGERATOR, MECHANICAL:			All makes, models, & serial numbers	10	1-3	4-5	6-7	8-9	10
4110-00-837-6441	Commercial ICE MAKING MACHINE: Cube			All makes, models, & serial numbers	10	1-3	4-5	6-7	8-9	10
4110-00-837-6442	ICE MAKING MACHINE: Cube			All makes, models, & serial numbers	10	1-3	4-5	6-7	8-9	10
4110-00-852-5312	REFRIGERATOR, MECHANICAL:			All makes, models, & serial numbers	10	1-3	4-5	6-7	8-9	10
4110-00-899-0130	Bacteriological REFRIGERATOR, MECHANICAL: Commercial			All makes, models, & serial numbers	10	1-3	4-5	6-7	8-9	10

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APPENDIX A
EXPENDITURE LIMITS FOR FSC 4110

FSC NSN	or Item Identification	Technical Manual Number Identification to end Items and remarks	Production Year	Serial No range or USA No.	Yrs of life expectancy	Repair Limitations				
						55%	50%	40%	30%	20%
1	2	3	4	5	6	7	8	9	10	11
4110-00-899-0132	DISPENSER, DRINKING WATER:			All makes, models, & serial numbers	10	1-3	4-5	6-7	8-9	10
4110-00-899-0133	DISPENSER, DRINKING WATER:			All makes, models, & serial numbers	10	1-3	4-5	6-7	8-9	10
4110-00-899-0134	DISPENSER, DRINKING WATER:			All makes, models, & serial numbers	10	1-3	4-5	6-7	8-9	10
4110-00-899-0135	DISPENSER, DRINKING WATER:			All makes, models, & serial numbers	10	1-3	4-5	6-7	8-9	10
4110-00-899-0136	DISPENSER, DRINKING WATER:			All makes, models, & serial numbers	10	1-3	4-5	6-7	8-9	10
4110-00-899-0138	ICE CREAM CABINET:			All makes, models, & serial numbers	10	1-3	4-5	6-7	8-9	10
4110-00-899-0139	ICE CREAM CABINET:			All makes, models, & serial numbers	10	1-3	4-5	6-7	8-9	10

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APPENDIX A
EXPENDITURE LIMITS FOR FSC 4110

FSC NSN	or Item Identification	Technical Manual Number Identification to end items and remarks	Production Year	Serial No range or USA No.	Yrs of life expectancy	Repair Limitations				
						55%	50%	40%	30%	20%
1	2	3	4	5	6	7	8	9	10	11
4110-01-010-0049	ICE CREAM MAKER (Soft Serve)			All makes, models, & serial numbers	10	1-3	4-5	6-7	8-9	10
4110-01-010-5970	REFRIGERATION UNIT: GED. 10,000 BTU/HR R&H Metal Products Model RMP-J1-10G		78	All	10	1-3	4-5	6-7	8-9	10
4110-01-014-4646	REFRIGERATION UNIT:EMD. 9,0000 BTU/HR American Air Filter Model CH609-31		79		10	85	86	87	88	89
4110-01-074-5175	REFRIGERATION UNIT: MECH. 10000 EMD		80	DAAK01 79C5442	15	1-5	6-8	9-11	12-13	14-15
4110-01-076-1991	REFRIGERATION UNIT: GED. 5K BTUH Model ERU-5G			All Makes, models, & Serial numbers	10	1-3	4-5	6-7	8-9	10
4110-01-092-3912	REFRIGERATOR, MECH 150 cu. ft.		80	DAAJ09 79C5152	15	1-5	6-8	9-11	12-13	14-15
4110-01-092-3913	REFRIGERATION UNIT: MECH. 5000 EMD	TM 5-4110-232-14 -24P	80	DAAJ09 79C5147	15	1-5	6-8	9-11	12-13	14-15
4110-01-101-4202	REFRIGERATION UNIT: MECH. 5000 EMD	TM 5-4110-236-14 -24P	81	DAAJ09 80C5371	15	1-5	6-8	9-11	12-13	14-15
4110-01-119-3960	REFRIGERATION UNIT 600 CU. FT.		88	DAAK01 87DA074	15	1-5	6-8	9-11	12-13	14-15
4110-01-119-3961	REFRIGERATION, PREFAB 1800 CU. FT.	TM 5-4110-204-13	83	DAAK01 89D0008	15	1-5	6-8	9-11	12-13	14-15

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APPENDIX A
EXPENDITURE LIMITS FOR FSC 4110

FSC NSN	or Item Identification	Technical Manual Number Identification to end Items and remarks	Production Year	Serial No range or USA No.	Yrs of life expectancy	Repair Limitations				
						55%	50%	40%	30%	20%
1	2	3	4	5	6	7	8	9	10	11
4110-01-120-4604	REFRIGERATION, UNIT 10,000 BTU GED	TM 5-4110-238-14 -24P	84	DAAJ09 81D0011	15	1-5	6-8	9-11	12-13	14-15
4110-01-120-5735	REFRIGERATION, UNIT 10,000 BTU GED		87	DAAK01 86DC007	15	1-5	6-8	9-11	12-13	14-15
4110-01-141-0626	REFRIGERATION, UNIT 10,000 BTU GED	TM 5-4110-239-14 -24P	85	DAAJ01 84CA307	15	1-5	6-8	9-11	12-13	14-15
4110-01-143-0056	REFIRGERATOR, MECH 150 cu. Ft.	TM 5-4110-240-13&P	88	DAAK01 87D132	15	1-5	6-8	8-9	12-13	14-15
4110-01-160-4360	REFRIGERATION UNIT: EMD. 20 K BTU/Ft/Min Fed. Spec. Model AA-R-200			All makes, models, & serial numbers	10	1-3	4-5	6-7	8-9	10
4110-01-163-2140	REFRIGERATOR, MECH 150 cu. ft.	TM 5-4110-242-24P	84	DAAJ09 83CB568	15	1-5	6-8	9-11	12-13	14-15
4110-01-166-3579	REFRIGERATOR, MECH 150 cu. ft.		84	DAAJ09 83CB795	15	1-5	6-8	9-11	12-13	14-15
4110-01-166-3580	REFRIGERATOR, MECH 150 cu. ft.		84	DAAJ09 83CB795	15	1-5	6-8	9-11	12-13	14-15
4110-01-167-5320	REFRIGERATOR, MECH 150 cu. ft.	TM 5-4110-241-13 -23P	84	DAAJ09 83CB795	15	1-5	6-8	9-11	12-13	14-15

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APPENDIX A
EXPENDITURE LIMITS FOR FSC 4110

FSC NSN	or Item Identification	Technical Manual Number Identification to end Items and remarks	Production Year	Serial No range or USA No.	Yrs of life expectancy	Repair Limitations				
						55%	50%	40%	30%	20%
1	2	3	4	5	6	7	8	9	10	11
4110-01-188-5514	REFRIGERATION UNIT: EMD. 20 K BTU/Ft/Min Fed. Spec. Model AA-R-200			All makes, models, & serial numbers	10	1-3	4-5	6-7	8-9	10
4110-01-225-2755	REFRIGERATION UNIT: EMD. Fed. Spec. Model AA-R-200			All makes, models, & serial numbers	10	1-3	4-5	6-7	8-9	10
4110-01-264-2101	REFRIGERATION, PREFAB 1200 cu, ft,		88	DAAK01 87DA074	15	1-5	6-8	9-11	12-13	14-15
4110-01-269-3914	REFRIGERATION, MECH. 150 cu. Ft.		93	DAAK01 91D0086	15	1-5	6-8	9-11	12-13	14-15
4110-01-315-9330	REFRIGERATION, PREFAB 1200 cu, ft,		90	DAAJ01 89D0045	15	1-5	6-8	9-11	12-13	14-15
4110-01-331-2149	REFRIGERATION, PREFAB 1200 cu, ft,		91	DAAK01 90C0210	15	1-5	6-8	9-11	12-13	14-15
4110-01-338-6541	REFRIGERATION, UNIT 9,000 BTU EMD	TM-9-4110-252-14 -24P	92	DAAK01 91R0154	5	1-3	4		5	
4110-01-389-9180	REFRIGERATION, UNIT 9,000 BTU EMD	TM-9-4110-252-14 -24P	96	DAAK01 94D0012	15	1-5	6-8	9-11	12-13	14-15
4110-01-389-9181	REFRIGERATION UNITS 5,000 BTU DIESEL and ELECTRIC	TM 9-4110-254-14 -24P	94	DAAK01 94D0012	15	1-5	6-8	9-11	12-13	14-15
4110-01-389-9182	REFRIGERATION UNITS 5,000 BTU DIESEL and ELECTRIC		96	DAAK01 94D0013	15	1-5	6-8	9-11	12-13	14-15

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APPENDIX A
EXPENDITURE LIMITS FOR FSC 4110

FSC NSN	or Item Identification	Technical Manual Number Identification to end Items and remarks	Production Year	Serial No range or USA No.	Yrs of life expectancy	Repair Limitations				
						55%	50%	40%	30%	20%
1	2	3	4	5	6	7	8	9	10	11
4110-01-389-9183	REFRIGERATION UNITS 10,000 BTU DIESEL and ELECTRIC	TM 9-4110-254-14 -24P	94	DAAK01 94D0013	15	1-5	6-8	9-11	12-13	14-15
4110-01-390-8871	REFRIGERATION UNITS 9,000 BTU	TM 9-4110-253-14 -24P	93	DAAK01 93C0100	5	1-3	4		5	
4110-01-394-6473	REFRIGERATION UNIT 9,000 BTU ELECTRIC	TM 9-4110-258-14 -24P	94	DAAK01 94D0022	15	1-5	6-8	9-11	12-13	14-15
4110	SANDWICH UNIT, REFRIGERATED, SELF CONTAINED, ELECTRIC	TB-43-0002-33			7	1	2	3-4	5-6	7
4110	DISPENSER, ICE, SELF, LEVELING, MOBILE, ELECTRIC			All Serials, makes, and models	8	1-2	3-4		5-6	7-8
4110-01-378-5886	REFRIGERATOR, MECHANICAL FOOD TWO DOOR 115 Volts, 60 HZ STAINLESS STEEL W/UNDER COUNTER DESIGN.			All Serials, makes, and models	10	1-3	4-5	6-7	8-9	10
4110-01-413-0225	DISPLAY CASE, REFRIGERATOR 5.1 cu ft W/SLIDING GLASS DOORS, 115 V 60 HZ, TWO SHELVES			All Serials, makes, and models	10	1-3	4-5	6-7	8-9	10

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APPENDIX B
EXPENDITURE LIMITS FOR FSC 4120

FSC or NSN	Item Identification	Technical Manual Number Identification to end Items and remarks	Production Year	Serial No range or USA No.	Yrs of life expectancy	Repair Limitations				
						55%	50%	40%	30%	20%
1	2	3	4	5	6	7	8	9	10	11
4120-00-066-8771	AIR CONDITIONER EMD. 38,000 BTU/HR KECO MODEL F0038	TM5-4120-215-15 20P 35P	64	63089-63165	10	80	81	82	83	88
			68	63384-63399 65565-55616 65673-65679 65876 65898-66191 66206		80	81	82	83	84
4120-00-406-3222	AIR CONDITIONER EMD. 18000 BTU/HR KECO MODELG180005MEC	TM5-4120-298-13 23P	74							
4120-00-411-3729	AIR CONDITIONER 18000 BTU/HR KECO MODEL F18H	TM5-4120-243-14 24P	80	ALL						
4120-00-411-3730	AIR CONDITIONER 18000 BTU/HR HARVEY HOTTEL MODEL CH20-6-08	TM5-4120-243-14 24P								
4120-00-411-3731	AIR CONDITIONER 18,000 BTU/HR TRANE MODEL MAC4H18-208- 1201-3 FOR KECO MODEL F18H-4 see NSN4120-01-177-5990	TM5-4120-243-14 24P	72	591048-591109						
4120-00-411-5444	AIR CONDITIONER EMD. 9,000 BTU /HR Wedj Model HM 9000-208	TM5-4120-352-14 24P	80		15	85	87	90	93	96

APPENDIX B
EXPENDITURE LIMITS FOR FSC 4120

FSC or NSN	Item Identification	Technical Manual Number Identification to end Items and remarks	Production Year	Serial No range or USA No.	Yrs of life expectancy	Repair Limitations				
						55%	50%	40%	30%	20%
1	2	3	4	5	6	7	8	9	10	11
4120-00-690-7869	AIR CONDITIONER EMD. 38,000 BTU/HR Stratos Model VEA4-3, P/N 26850	TM5-4120-210-15 25P	62		10		79	81	83	88
4120-00-782-5587	AIR CONDITIONER EMD. 50,000 BTU/HR KECO Model F0050	TM5-4120-215-15 20P 35P	67		10	77	77	78	79	80
4120-00-786-1163	AIR CONDITIONER EMD. 38,000 BTU/HR Hottel Model HAC38-416	TM5-4120-232-14 25P	68	101-168	10	80	81	82	83	88
4120-00-926-4280	AIR CONDITIONER EMD. 38,000 BTU/HR Stratos Model VEA4-3,	TM5-4120-287-15	67		10	80	81	82	83	88
4120-00-935-5348	AIR CONDITIONER EMD. 36,000 BTU/HR Thermo-Air Model CB-36-08-3-60	TM5-4120-259-15 25P	68		10	78	79	80	81	83
4120-00-935-5416	AIR CONDITIONER EMD. 60,000 BTU/HR Keco Model F 60T-2	TM5-4120-270-15 20P 35P TM5-4120-357-14 24P	77		10	79	81	83	85	87
4120-00-935-5421	AIR CONDITIONER EMD. 36,000 BTU/HR H.Hottel Model CV40-516-08	TM5-4120-268-15 20P 35P	79	All	10	79	83	85	87	89
4120-00-935-5421	AIR CONDITIONER EMD. 36,000 BTU/HR Trane Model MAC6V40-340-02	TM5-4120-268-15 20P 35P	69		10	80	81	82	83	84

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APPENDIX B
EXPENDITURE LIMITS FOR FSC 4120

FSC or NSN	Item Identification	Technical Manual Number Identification to end Items and remarks	Production Year	Serial No range or USA No.	Yrs of life expectancy	Repair Limitations				
						55%	50%	40%	30%	20%
1	2	3	4	5	6	7	8	9	10	11
4120-01-030-6883	25,000 BTU Ellis & Watts Model MOAC-336									
4120-01-033-7573	AIR CONDITIONER EMD. 36,000 BTU/HR American Air Filter Model CH636-1	TM5-4120-361-14 24P	79		15	84	86	89	92	95
4120-01-063-8182	AIR CONDITIONER EMD. 36,000 BTU/HR American Air Filter Model CH436-1	TM5-4120-361-14 24P	78		15	83	85	88	91	94
4120-01-069-1321	AIR CONDITIONER EMD. 18,000 BTU/ Split Pkg Keco F18H4-2 Patriot	TM5-4120-359-14 24P	82	All	10	82	85	88	90	92
4120-01-072-6388	AIR CONDITIONER EMD. 36,000 BTU/HR Keco Model F36T4-2	TM5-4120-363-14 24P	80	All	15	85	87	90	93	96
4120-01-085-4731	AIR CONDITIONER EMD. 36,000 BTU/HR Keco Model F36T-2	TM5-4120-353-14 24P	81	All	15	86	88	91	94	97
4120-01-035-4732	AIR CONDITIONER EMD. 9,000 BTU /HR Harvey Hottel ModelHAC-751	TM5-4120-341-13 23P	80	All	15	85	87	90	93	96

APPENDIX B
EXPENDITURE LIMITS FOR FSC 4120

FSC or NSN	Item Identification	Technical Manual Number Identification to end Items and remarks	Production Year	Serial No range or USA No.	Yrs of life expectancy	Repair Limitations				
						55%	50%	40%	30%	20%
1	2	3	4	5	6	7	8	9	10	11
4120-01-088-3791	AIR CONDITIONER EMD. 9,000 BTU /HR Keco Model F9,000H-3	TM5-4120-347-14 24P	81	All	15	86	88	91	94	97
4120-01-089-4053	AIR CONDITIONER EMD. 18,000 BTU/HR Tiernay Model TM18KV-208-3-60	TM5-4120-356-14 24P	81	All	15	86	88	91	94	97
4120-00-089-4054	AIR CONDITIONER 18,000 BTU/HR Harvey Hottel CV-18-4-08	TM4120-344-24P	82	All	15	87	89	92	95	98
4120-01-091-9672	AIR CONDITIONER EMD. 9,000 BTU /HR Tiernay Model TM18KV-2C8-3-60	TM5-4120-339-14 24P	81	All	15	86	88	91	94	97
4120-01-092-7503	AIR CONDITIONER EMD. 9,000 BTU /HR Keco Model F900H-2A	TM5-4120-342-14 24P	81	All	15	86	88	91	94	97
4120-01-093-8091	AIR CONDITIONER 9,000 BTU /HR Keco Model F6000 T-2	TM5-4120-348-14 24P	81	All	15	86	88	91	94	97

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APPENDIX B
EXPENDITURE LIMITS FOR FSC 4120

FSC or NSN	Item Identification	Technical Manual Number Identification to end Items and remarks	Production Year	Serial No range or USA No.	Yrs of life expectancy	Repair Limitations				
						55%	50%	40%	30%	20%
1	2	3	4	5	6	7	8	9	10	11
4120-01-110-2034	AIR CONDITIONER 36,000 BTU/HR Keco Model F18T-2S	TM5-4120-370-14 14HR 24P	85		15	90	92	95	98	1
4120-01-114-2471	AIR CONDITIONER 18,000 BTU/HR Keco Model F36T4-2S	TM5-4120-371-14 14HR	83		15	88	90	93	96	99
4120-01-122-0626	AIR CONDITIONER 18,000 BTU/HR Keco Model F18H-3A	TM5-4120-367-14 24P	85		15	90	92	95	98	1
4120-01-122-0627	AIR CONDITIONER 18,000 BTU/HR Keco Model F18H-4A	TM5-4120-367-14 24P	85		15	90	92	95	98	1
4120-01-122-0628	AIR CONDITIONER 36,000 BTU/HR UNIFAB Model CH40-5/6-08	TM5-4120-376-14 24P	85		15	90	92	95	98	1
4120-01-122-0629	AIR CONDITIONER 36,000 BTU/HR UNIFAB Model UAC-40-5/6-08	TM5-4120-375-14 24P	83		15	88	90	93	96	99

APPENDIX B
EXPENDITURE LIMITS FOR FSC 4120

FSC or NSN	Item Identification	Technical Manual Number Identification to end Items and remarks	Production Year	Serial No range or USA No.	Yrs of life expectancy	Repair Limitations				
						55%	50%	40%	30%	20%
1	2	3	4	5	6	7	8	9	10	11
4120-01-125-3947	AIR CONDITIONER 9,000 BTU/HR A.R.E. Model FM9000	TM5-4120-374-13 23P	83		15	88	90	93	96	99
4120-01-127-0716	AIR CONDITIONER 18,000 BTU/HR Keco Model F18T4-2S	TM5-4120-377-14 14HR 24P	83		15	88	90	93	96	99
4120-01-136-2214	AIR CONDITIONER 9,000 BTU/HR A.R.E. Model A-9KH-115P	TM5-4120-378-14 24P	84		15	89	91	94	97	0
4120-01-136-9836	AIR CONDITIONER 18,000 BTU/HR Tiernay Model TM18KH-115P	TM5-4120-379-14 14HR 24P	84		15	89	91	94	97	0
4120-01-150-8112	AIR CONDITIONER 54,000 BTU/HR EASI Model 12090.605	TM5-4120-390-24P	83		15	94	95	96	97	98
4120-01-157-0996	AIR CONDITIONER 50,000 BTU/HR Ellis Watts Model MOAC-640	TM5-4120-381-14 24P	86		15	91	93	96	99	2
			85		15	90	92	95	98	1

APPENDIX B
EXPENDITURE LIMITS FOR FSC 4120

FSC or NSN	Item Identification	Technical Manual Number Identification to end Items and remarks	Production Year	Serial No range or USA No.	Yrs of life expectancy	Repair Limitations				
						55%	50%	40%	30%	20%
1	2	3	4	5	6	7	8	9	10	11
4120-01-158-7465	AIR CONDITIONER 24,000 BTU/HR Ellis Watts Model MOAC-226		85		15	90	92	95	98	1
4120-01-164-7420	AIR CONDITIONER 24,000 BTU/HR Keco Model F9000H-3S	TM5-4120-383-14 24P	85		15	90	92	95	98	1
4120-01-165-1125	AIR CONDITIONER 18,000 BTU/HR Keco Model F18H-3S	TM5-4120-384-14 24P	79	All	15	84	86	89	92	95
4120-01-172-8841		TM5-4120-336-14 24P RESCINDED								
4120-01-173-8491	AIR CONDITIONER 36,000 BTU/HR Keco Model F36H		78		15	83	85	88	91	94
4120-01-174-8423	AIR CONDITIONER 18,000 BTU/HR Keco Model KEF-18T-2	TM5-4120-308-15 25P	80	All	15	85	87	90	93	96
4120-01-174-8424	AIR CONDITIONER 9,000 BTU/HR Wedj Model	TM5-4120-365-14 24P TM-4120-355-14								

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APPENDIX B
EXPENDITURE LIMITS FOR FSC 4120

FSC or NSN	Item Identification	Technical Manual Number Identification to end Items and remarks	Production Year	Serial No range or USA No.	Yrs of life expectancy	Repair Limitations				
						55%	50%	40%	30%	20%
1	2	3	4	5	6	7	8	9	10	11
4120-01-175-9730	AIR CONDITIONER WIHM-9,000-208 6,000 BTU/HR WEVM-6,000-400	24P 24P	80	All	15	85	87	90	93	96
4120-01-177-3720	AIR CONDITIONER 18,000 BTU/HR Keco Model F18T-2	TM5-4120-243-14 24P	77		15	82	84	87	90	93
4120-01-177-5989	AIR CONDITIONER 18,000 BTU/HR American Air Filter Model AACH-618-2	TM5-4120-243-14 24P	77		15	82	84	87	90	93
4120-01-177-5990	AIR CONDITIONER 18,000BTU/HR Keco Model KIF-18H-4 Previously ModelF18H-4	TM5-4120-357-14 24P	79	All	15	84	86	89	92	95
4120-01-181-6060	AIR CONDITIONER EMD. 60,000 BTU/HR Keco Model F60T-2A	TM5-4120-386-14 24P	86		15	91	93	96	99	2
4120-01-193-4998	AIR CONDITIONER 9,000 BTU/HR ATACS Model ECU9HC326	TM5-4120-388-14 24P	15		15	91	93	96	99	2
4120-01-193-4999	AIR CONDITIONER 9,000 BTU/HR ATACS Model ECU9VC116	TM5-4120-387-14 24P			15	91	93	96	99	2

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APPENDIX B
EXPENDITURE LIMITS FOR FSC 4120

FSC or NSN	Item Identification	Technical Manual Number Identification to end Items and remarks	Production Year	Serial No range or USA No.	Yrs of life expectancy	Repair Limitations				
						55%	50%	40%	30%	20%
1	2	3	4	5	6	7	8	9	10	11
4120-01-203-8656	AIR CONDITIONER 6,000 BTU/HR APPLIED MODEL 3771	TM5-4120-357-14 24P	85	DAAK0186DC009	15	90	92	95	98	1
4120-01-213-5980	AIR CONDITIONER 60,000 BTU/HR UNIFAB MODEL CB-605/6-08	TM5-4120-388-14 24P	88	NR	15	93	95	98	1	4
4120-01-214-3692	AIR CONDITIONER 18,000 BTU/HR ATACS Model ECU18VC326	TM5-4120-371-14 24P	86	NR	15	91	93	96	99	2
4120-01-216-1151	AIR CONDITIONER 18,000 BTU/HR ARE Model CVP-205/6-08	TM5-4120-375-14 24P	85	NR	15	90	92	95	98	1
4120-01-218-6912	AIR CONDITIONER 36,000 BTU/HR TALLEY Model2643T100-1	TM5-4120-389-14 24P	85	DAAK0190D0062	15	90	92	95	98	1
4120-01-219-8759	AIR CONDITIONER 36,000 BTU/HR APPLIED Model 3864	TM5-4120-377-14 24P	85	NR	15	90	92	95	98	1
4120-01-220-7381	AIR CONDITIONER 18,000 BTU/HR APPLIED Model 3788	TM5-4120-370-14 24P	85	NR	15	90	92	95	98	1

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APPENDIX B
EXPENDITURE LIMITS FOR FSC 4120

FSC or NSN	Item Identification	Technical Manual Number Identification to end Items and remarks	Production Year	Serial No range or USA No.	Yrs of life expectancy	Repair Limitations				
						55%	50%	40%	30%	20%
1	2	3	4	5	6	7	8	9	10	11
4120-01-222-9310	AIR CONDITIONER 18,000 BTU/HR KECO Model F36T4-2SA	TM5-4120-384-14 24P	86	DAAK0190DC009		91	93	96	99	2
4120-01-237-4663	AIR CONDITIONER 18,000 BTU/HR KECO Model F18H-3SA	TM5-4120-393-14 24P	86	DAAK0186DC009	15	91	93	96	99	2
4120-01-238-4277	AIR CONDITIONER 60,000 BTU/HR KECO Model F60T-2S	TM5-4120-399-14 24P	86	DAAK0186CD072	15	91	93	96	99	2
4120-01-244-6385	AIR CONDITIONER 36,000 BTU/HR APPLIED Model 3863	TM5-4120-399-14 24P	87	DAAK0190D0047	15	92	94	97	0	3
4120-01-250-3719	AIR CONDITIONER 9,000 BTU/HR KECO Model F-9000H-1S	TM5-4120-392-14 24P	87	DAAK0187DA020	15	92	94	97	0	3
4120-01-253-4302	AIR CONDITIONER 6,000 BTU/HR KECO Model F60000T4-2A	TM5-4120-339-14 24P	87	DAAK0187DA099	15	92	94	97	0	3
4120-01-264-6295	AIR CONDITIONER 9,000 BTU/HR KECO Model F90000T3-2	TM5-4120-359-14 24P	87	DAAK0191C0133	15	92	94	97	0	3
4120-01-266-7597	AIR CONDITIONER 18,000 BTU/HR SPLITPACK AIRTACS	TM5-4120-384-14 24P	87	DAAK0191C0133	15	92	94	97	0	3

APPENDIX B
EXPENDITURE LIMITS FOR FSC 4120

FSC or NSN	Item Identification	Technical Manual Number Identification to end Items and remarks	Production Year	Serial No range or USA No.	Yrs of life expectancy	Repair Limitations				
						55%	50%	40%	30%	20%
1	2	3	4	5	6	7	8	9	10	11
4120-01-268-4450	AIR CONDITIONER 18,000 BTU/HR KECO Model F18H-1S	TM5-4120-384-14 24P	87	DAAK0187DA164	15	92	94	97	0	3
4120-01-268-4451	AIR CONDITIONER 18,000 BTU/HR KECO Model F18H-3SB	TM5-4120-395-14&P		DAAK0188DD050	15	95	96	97	98	99
4120-01-279-5659	AIR CONDITIONER 24,000 BTU/HR MARVAIR Model AVP24HPA08	TM5-4120-396-14&P		DAAK188DD050	10	95	96	97	98	99
4120-01-279-5660	AIR CONDITIONER 35,000 BTU/HR MARVAIR Model AVP36HPC-15	TM5-4120-398-14 24P		NR	15	95	96	97	98	99
4120-01-283-4096	AIR CONDITIONER 54,000 BTU/HR AIRTACS ModelAH-54	TM5-4120-367-14 24P	90	DAAK0188DD071	15	93	95	98	1	4
4120-01-286-8854	AIR CONDITIONER 18,000 BTU/HR AIRTACS MHP-20-4-08	TM5-4120-402-14 24P	88	DAAK0188DD071	15	93	95	98	1	4
4120-01-325-7062	AIR CONDITIONER 18,000 BTU/HR KECO ModelF18TMPI	TM5-4120-400-14 24P	91	DAAK0190D0047	15	96	98	1	4	7

APPENDIX B
EXPENDITURE LIMITS FOR FSC 4120

FSC or NSN	Item Identification	Technical Manual Number Identification to end Items and remarks	Production Year	Serial No range or USA No.	Yrs of life expectancy	Repair Limitations				
						55%	50%	40%	30%	20%
1	2	3	4	5	6	7	8	9	10	11
4120-01-326-4370	AIR CONDITIONER 9,000 BTU/HR KECO Model F9000H-1SA	TM5-4120-401-14 24P	90	DAAK0190D0049	15	95	97	0	3	6
		TM5-4120-403-14 24P	90	DAAK0190D0046	15	95	97	0	3	6
4120-01-327-1316	AIR CONDITIONER 18,000 BTU/HR KECO Model F18HMP1	TM9-4120-371-14 24P	91	DAAK0190C0140	15	96	98	1	4	7
4120-01-327-5447	AIR CONDITIONER 6,000BTU/HR HOLLINGSWORTH Model JHAA/C6VI	TM5-4120-404-14 24P	94	DAAK0190D0052	15	95	97	0	3	6
4120-01-329-1515	AIR CONDITIONER 18,000 BTU/HR KECO Model F18t-25a	TM5-4120-387-14 24P	91	DAAK0191C0058	15	94	96	99	2	5
4120-01-330-6543	AIR CONDITIONER 36,000 BTU/HR AIRTACS Model MH40MP	TM5-4120-370-14 24P		NR	15	2	3	4	5	6
4120-01-332-2392	AIR CONDITIONER 6,000 BTU/HR APPLIED Model 3873	TM5-4120-407-14 24P	95	DAAK0192D0048	15	1	2	3	4	5
		TM5-4120-359-14	94	DAAK0192C0166	10	94	95	96	97	98

APPENDIX B
EXPENDITURE LIMITS FOR FSC 4120

FSC or NSN	Item Identification	Technical Manual Number Identification to end Items and remarks	Production Year	Serial No range or USA No.	Yrs of life expectancy	Repair Limitations				
						55%	50%	40%	30%	20%
1	2	3	4	5	6	7	8	9	10	11
4120-01-347-6849	AIR CONDITIONER 36,000 BTU/HR	24P								
4120-01-359-0083	KECO Model F36T4-2SB AIR CONDITIONER 36,000 BTU/HR	TM5-4120-408-14 24P		NR	15	95	97	0	3	6
4120-01-363-8137	KECO Model F36TMPI AIR CONDITIONER 18,000 BTU/HR	TM5-4120-393-14 24P	NR			0	1	2	3	4
4120-01-377-7511	FERANGE Model FAC-MH-18S AIR CONDITIONER 30,000 BTU/HR									
4120-01-384-6922	FT.BELVOIR 1323OE4450 AIR CONDITIONER 60,000 BTU/HR									
4120-01-456-6954	KECO Model F60T-2HS AIR CONDITIONER 9,000 BTU/HR HORIZONTAL E.S. MODEL S8450-9KC-1H	TM9-4120-422-14&P	99	DAAB07-98-C-Y007	15	2	5	8	11	14

APPENDIX C
EXPENDITURE LIMITS FOR FSC 4140

FSC or NSN 1	Item Identification 2	Technical Manual Number Identification to end Items and remarks 3	Production Year 4	Serial No range or USA No. 5	Yrs of life expectancy 6	Repair Limitations				
						7	8	9	10	11
4140	Fans & Air Circulators			All Serials, makes, and models	7	1 to 3	4	5	6	7



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----------------------------------	-------------------------------	----------------------------------

BE EXACT PIN-POINT WHERE IT				IN THIS SPACE TELL WHAT IS WRONG AND WHAT SHOULD BE DONE ABOUT IT:
PAGE NO	PARA GRAPH	FIGURE NO	TABLE NO	
2-25	2-28			<p>Recommend that the installation antenna alignment procedure be changed throughout to specify a 20 IFF antenna lag rather than 10.</p> <p>REASON: Experience has shown that with only a 10 lag, the antenna servo system is too sensitive to wind gusting excess of 25 knots, and has a tendency to rapidly accelerate and decelerate as it hunts, causing strain to the drive train. Hunting is minimized by adjusting the lag to 20 degradation of operation.</p>
3-10	3-3		3-1	<p>Item 5, Functional column. Change "2 dB" to "3 dB".</p> <p>REASON: The adjustment procedure for the TRANS POWER FAULT indicator calls for a 3 dB (500 watts) adjustment to light the TRANS POWER FAULT indicator.</p>
5-6	5-8			<p>Add new step f.1 to read, "Replace cover plate removed in step e.1 above."</p> <p>REASON: To replace the cover plate.</p>
		FO-3		<p>Zone C 3. On J1-2, change "+24 VDC" to "+5 VDC".</p> <p>REASON: This is the output line of the 5 VDC power supply. +24 VDC is the input voltage.</p>

PRINTED NAME, GRADE OR TITLE AND TELEPHONE SSG I. M. DeSpirito 999-1776	SIGNATURE
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