



**TB 43-0002-38**

**MAINTENANCE EXPENDITURE LIMITS FOR  
FSC GROUP 42  
FSC CLASSES 4210 AND 4230**

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**HEADQUARTERS, DEPARTMENT OF THE ARMY**

**31 JULY 1995**

\*This bulletin supersedes TB43-0002-38, dated 22 June 1982

furnished directly to you.

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\*This bulletin supersedes TB43-0002-38, dated 22 June 1982.

## Section I. GENERAL

**1. Purpose.** This bulletin implements the policies established by AR 750-1. It provides guidance for technical inspection and disposition instructions.

**2. Scope.** This bulletin applies to all U.S. Army organizations, installations, activities, and reserve components worldwide that use and/or repair equipment listed in the appendices of this bulletin. The limitations as cited in this bulletin are also 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 the AMDF (Army Master Date File).**

**b. The procedure for determining the repair expenditure limit for an item is as follows:**

- (1) Refer to the AMDF, for the current estimated price of the end item.
- (2) The repair cost estimate is the sum total of the estimated cost of labor and parts listed in the technical inspection repair as necessary requirements for the restoration of an end item to a serviceable condition.

**c. Repair eligibility will be determined by comparing the report cost estimate with the product of the percentage shown on the applicable repair limitations chart, times the current replacement cost of the unserviceable end item.**

**4. Expenditure Limits.**

**a. The expenditure limit is 65 percent of the acquisition cost for components, assemblies and recoverable repair parts applicable to the end item of equipment that have a remaining repair eligibility cited in this bulletin. Replace the components, assemblies, and recoverable repair parts where costs of repair exceed 65 percent.**

**b. The above is applicable to bulk components assemblies of recoverable repair parts to be repaired and returned to the pipeline for issue. These bulk items are those items in support of the direct exchange program.**

## Section III. TECHNICAL INSPECTION

**5. Procedure.** Support maintenance organizations and activities are responsible for performing the technical inspections prior to repair or evacuation of items listed in appendices. Technical inspections are to be made by a qualified individual with MOS or job classification specific to the item being inspected. Inspections will be performed in accordance with applicable

equipment technical manual. Items received by depot maintenance facilities for overhaul will be further evaluated to insure that they are economically repairable.

**6. Forms.** DA Form 3590 and DA Form 461-5 (when required) will be prepared in accordance with TB 43-0140.

## Section IV. COMPUTATION OF REPAIR COST ESTIMATES

**7. Cost Factors.** Computation of repair cost estimates will be made in accordance with instructions contained in AR 750-1.

**8. Procedures.** Technical inspection findings will be converted to repair cost estimates by use of guidance contained in this bulletin and AR 750-1.

## Section V. DISPOSITION INSTRUCTIONS

**9. Eligibility of Material for Evacuation to Depot Maintenance.** Equipment covered by this bulletin and supported with DA Technical Manuals are eligible for evacuation to depot maintenance when the repairs required are beyond the capability of support maintenance and the cost of repairs will not exceed the one-time repair expenditure limits.

**10. Disposition Instructions.**

**a.** Items will be reported to the National Inventory Control Point (NICP) for disposition instructions under the following conditions.

- (1) The estimated one-time repair costs exceeds the prescribed expenditure limits and waiver limits have not been waived, as provided for in AR 750-1.

- (2) The repairs required to restore an item to a serviceable condition are beyond the capabilities of general support maintenance regardless of estimated repair cost, except as provided for in b below.
- b. Depot repair is authorized in oversea commands without referral to NICP when repairs can be accomplished within the prescribed expenditure limits.
- c. Request for disposition instruction will be prepared in accordance with AR755-1.

- d. Request for disposition instructions for entire equipment set that have major PEMA items Inspection reports will be prepared for equipment set and each major PEMA item in accordance with TM 38-750 Inspection reports for sets and major PEMA item will accompany request for disposition instructions.
- e. Equipment will not be reported for disposition solely on the basis that it is overage. Serviceable overage equipment will be retained in use, unless priority of organization's mission warrants replacement. Repairs to overage equipment will be limited to the maintenance necessary to maintain it in a safe, operable condition.
- f. Disposition of item in CONUS depot stock will be determined by the NICP.

Section VI. APPENDICES

11. Explanation of Columns.

- a. Column 1 - FSC or Stock Number. End item National Stock Numbers listed in numerical sequence by type of equipment.
- b. Column 2 - Item Identification. Item generic nomenclature, functional capability, make and model.
- c. Column 3. This column contains the ECC in accordance with TM 38-750, LIN in accordance with SB 700-20 and the make and model unspecified NSN (for management use only)
- d. Column 4 - Production Year. The year that item was manufactured. If no date is shown, refer to equipment data plate or DA Form 2408-9 (acceptance).
- e. Column 5 - Serial Number 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 the item n years. The numbers in this column are used in conjunction with Tables I and II to determine Expenditure Limits for Appendix A.

**g. Columns 7 through 13 - Repair Limitations. The limiting years as it appears in these columns are intended to represent the actual age of the equipment. Example: If under 65 percent in column 7, the statement 1-2 years appears. This means from the year the manufacture until the second year after manufacture, 65 percent of the end item cost is allowed for repair. When all columns 7 through 13 are blank, the item is not eligible for repair, except the minimum maintenance required to maintain it in a safe, operable condition. These columns are not used in Appendix A (Refer to Tables I and II).**

- h. Use of Expenditures Limit Tables I (15 years) and II (20 years).
  - (1) Determine the age in years since now.
  - (2) Determine the number of miles n operation since new.
  - (3) Determine which table the vehicle falls in.
    - (a) 15 year life expectancy, Table I.
    - (b) 20 year life expectancy, Table II.
  - (4) Determine the cost factor from the appropriate Appendix by reading across the age line to the mileage column.
  - (5) Multiply the replacement cost be the factor.
  - (6) The result is the maximum expenditure permitted for repair of the vehicle.

12. References.

AR 750-1	<b>Army Material Maintenance Concepts and Policies.</b>
AR 755-1	<b>Reporting, Utilization, and Redistribution of Installation, US Army Materiel Command, and Oversea Command Excess Personal Property.</b>
PAM 738-750	<b>The Army Maintenance Management System (TAMMS).</b>
SB 700-20	<b>Army Adopted/Other Items Selected for Authorization List of Reportable Items.</b>

APPENDIX A  
EXPENDITURE LIMITS, FSC CLASS 4210

FSC or National Stock No	Item Identification	Serial or USA No Identification and Remarks	Production Year	Serial No Range or USA No	Yrs of Life Expectancy
1	2	3	4	5	6
4210-01-193-3621	FIRE TRUCK, TACTICAL MIL-T-11407	ECC QJ M + MU 4210-00-236-6260			
	FIRE TRUCK MULTI-PURPOSE MILITARY ADAPTED COMMERCIAL ITEM (MACI)	LIN H56391	1989	ALL	15
	FIRE TRUCK, POWER PUMPER COMMERCIAL, MIL-T-10224	ECC VC M + MU 4210-00-577-7656 LIN X44701			
4210-01-249-2110	FIRE TRUCKS INC	1000GPM	1989		15
4120-01-025-4976	FIRE TRUCKS INC MODEL: FTI-CF-5G	1000GPM	1979	2851-1 THRU 2851-7	15
	MODEL: FTI-CF-3213-500		1979	3213-1 thru 3213-22	15
	MODEL: CF-S-1000-500	1000GPM	1982	CH8226 THRU CH8242	15
	FIRE AND TECHNICAL EQUIPMENT CORP MODEL: W500/1000P		1981		15
	FIRE TRUCK, BRUSH MIL-T-52904	ECC VC M + MU 4210-00-866-4389			
4210-01-159-4623	KOVATCH	LIN: T67209	1980		15
	FIRE TRUCK, DRY CHEMICAL MIL-T-52944	ECC VC LIN X39466			
4210-00-484-5729	FIRE BOSS MODEL: D15LW200N		1977	CH8235	15
	ANSUL CORP MODEL: K150/1W100 MODEL: MAGNUM 480		1981 1977	CH8206-CH8210	15 15
	FIRE & TECHNICAL EQUIPMENT CORP MODEL: DC15AF250N MODEL:		1981 1982	CH8243-CH8262	15 15

APPENDIX A  
EXPENDITURE LIMITS, FSC CLASS 4210  
-Continued

FSC or National Stock No.	Item Identification	General USA No. Identification and Remarks	Production Year	Serial No. Range or USA No.	Yrs of Life Expectancy
1	2	3	4	5	6
4210-01-026-2567	FIRE TRUCK, MINI PUMPER MIL-T-82968	ECC VC LIN: X44733	1981	CH9211-CH9221	15
	ALMONT WELDING WORKS MODEL: ANN100K		1982	CH9263-CH9267	15
	FIRE TRUCKS INC MODEL: FTI-CC-3-300				
4210-01-137-0844	FIRE TRUCK, AIRCRAFT CRASH OSHKOSH TRUCK COPR MODEL: P19	LIN: X45095	1984		
4210-00-184-6415	OSHKOSH TRUCK CORP MODEL: A/S 32P-4	ECC VC LIN: X45095	1973		15
4210-01-125-3956	SMA MODEL: P-17	ECC VC LIN: X44726	1983	CH9209-CH9215	15
	FIRE TRUCK, AERIAL LADDER	ECC VC LIN: X44718			
4210-00-965-1254	FIRE & TECHNICAL EQUIPMENT CORP MODEL: L85/W200/1000P	85 FOOT	1980		20
	CANADIAN COMMERCIAL CORP. MODEL:	85 FOOT	1982	CH9288-CH9302	
4210-01-280-8755	PIERCE MFG CO MODEL: MIL-T-52942	100 FOOT	1990		20
	TRAILER, FIRE FIGHTING MODEL: MIL-T-14596	85 FOOT ECC VT	1982	CH9288-CH9302	
4210-01-049-9431	CHEMTRON FIRE SYSTEMS (FIRE BOSS) MODEL: DA 3296-2		1977		20
4210-00-107-2082	FIRE & TECHNICAL EQUIPMENT MODEL: DC4.5AF100N-MC		1982		20

APPENDIX B  
EXPENDITURE LIMITS FSC CLASS 4230

FSC or National Stock No.	Item Identification	Tech. spec. manual number identification to end item and remarks	Production Year	Serial No. range or USA No	Yrs of Life expectancy	Repair Limitations						
						65%	55%	50%	45%	35%	25%	10%
1	2	3	4	5	6	7	8	9	10	11	12	13
4230-00-078-5455	DELOUSING OUTFIT, CURTIS AUTOMOTIVE DEVICES, INC		64	MDL-CDR 70000	IND	1-2	3-4	5-10		11-14		INDC
			67	MDL-CDR 70000	IND	1-2	3-4	5-10		11-14		INDF
4230-00-889-2315	DELOUSING OUTFIT, JOHNSON SERVICE CO		64	MDL-2520M	IND	1-2	3-4	5-10		11-14		INDF
4230-00-935-9361	DELOUSING OUTFIT, CURTIS DYNAMICS PRODUCTS, INC		64	MDL-CDR 70000B	IND	1-2	3-4	5-10		11-14		INDF
4230-00-6-1-7468	SHOWER UNIT, LOFSTRAND CO		56	MDL-T-2B	IND							INDF



TABLE I  
15 Years of Life Expectancy

		Miss Since Miss—in 1980's									
Miss Age		Through 20	Over 20 to 24	Over 24 to 28	Over 28 to 32	Over 32 to 36	Over 36 to 40	Over 40 to 44	Over 44 to 48	Over 48 to 52	Over 52 to 56
Years	0 to 1	65% of Item Replacement Cost	60	52	46	39	31	23	16	10	0
	Over 1 to 2		60	52	46	39	31	23	16	10	0
	Over 2 to 3		60	52	46	39	31	23	16	10	0
	Over 3 to 4		60	52	46	39	31	23	16	10	0
	Over 4 to 5		60	52	46	39	31	23	16	10	0
	Over 5 to 6		60	52	46	39	31	23	16	10	0
	Over 6 to 7		60	52	46	39	31	23	16	10	0
Since	Over 7 to 8	60	60	52	46	39	31	23	16	10	0
	Over 8 to 9	52	52	52	46	39	31	23	16	10	0
	Over 9 to 10	46	46	46	46	39	31	23	16	10	0
	Over 10 to 11	39	39	39	39	39	31	23	16	10	0
	Over 11 to 12	31	31	31	31	31	31	23	16	10	0
	Over 12 to 13	23	23	23	23	23	23	23	16	10	0

TABLE I  
15 Years of Life Expectancy-Continued

Miles Age	Miles Since New--In 1000's									
	0 Through 30	Over 30 to 34	Over 34 to 38	Over 38 to 42	Over 42 to 46	Over 46 to 50	Over 50 to 54	Over 54 to 58	Over 58 to 61	Over 61
Over 13 to 14	16	16	16	16	16	16	16	16	10	0
Over 14 to 15		10	10	10	10	10	10	10	10	0
Over 15	0%	0	0	0	0	0	0	0	0	0

Notes:

- a. Vehicle can be disposed of only when authorized by the NCP.
- b. Repair expenditures will be permitted after the Maintenance Expenditures Limit reaches zero ONLY when it is necessary to retain an acceptable level of readiness in a tactical unit.

TABLE II  
20 Years of Life Expectancy

		Miles Since New—in 1000's													
Miles Age		0 Through 30	Over 30 to 33	Over 33 to 36	Over 36 to 39	Over 39 to 42	Over 42 to 45	Over 45 to 48	Over 48 to 51	Over 51 to 54	Over 54 to 57	Over 57 to 60	Over 60		
Years	0 to 1	65% of Item	60	54	49	42	36	31	25	19	14	10	0		
	Over 1 to 2		60	54	49	42	36	31	25	19	14	10	0		
	Over 2 to 3		60	54	49	42	36	31	25	19	14	10	0		
	Over 3 to 4		60	54	49	42	36	31	25	19	14	10	0		
	Over 4 to 5		60	54	49	42	36	31	25	19	14	10	0		
	Over 5 to 6		60	54	49	42	36	31	25	19	14	10	0		
	Since		Over 6 to 7	Replacement Cost	60	54	49	42	36	31	25	19	14	10	0
			Over 7 to 8		60	54	49	42	36	31	25	19	14	10	0
	New		Over 8 to 9		60	54	49	42	36	31	25	19	14	10	0
			Over 9 to 10		60	54	49	42	36	31	25	19	14	10	0
Over 10 to 11		60	54		49	42	36	31	25	19	14	10	0		
	Over 11 to 12	54	54		49	42	36	31	25	19	14	10	0		
	Over 12 to 13	49	49		49	42	36	31	25	19	14	10	0		

TABLE II  
20 Years of Life Expectancy-Continued

	Miles Since New—In 1000's												
	Miles Age	0 Through 30	Over 30 to 33	Over 33 to 36	Over 36 to 39	Over 39 to 42	Over 42 to 45	Over 45 to 48	Over 48 to 51	Over 51 to 54	Over 54 to 57	Over 57 to 60	Over 60
Years	Over 13 to 14	42	42	42	42	42	36	31	25	19	14	10	0
	Over 14 to 15	36	36	36	36	36	36	31	25	19	14	10	0
	Over 15 to 16	31	31	31	31	31	31	25	28	19	14	10	0
Since	Over 16 to 17	25	25	25	25	25	25	25	25	19	14	10	0
	Over 17 to 18	19	19	19	19	19	19	19	19	19	14	10	0
New	Over 18 to 19	14	14	14	14	14	14	14	14	14	14	10	0
	Over 19 to 20	10	10	10	10	10	10	10	10	10	10	10	0
	Over 20	0	0	0	0	0	0	0	0	0	0	0	0

Notes

- a Vehicle can be disposed of only when authorized by the NICP
- b Repair expenditures will be permitted after the Maintenance Expenditures Limit reaches zero ONLY when it is necessary to retain an acceptable level of readiness in a tactical unit

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**By Order of the Secretary of the Army:**

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**MAINTENANCE EXPENDITURE LIMITS FOR FSC GROUP 42  
(FSC CLASSES 4210 and 4230)**

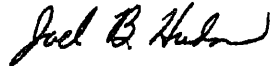
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