



*** TB 43-0002-40**

**MAINTENANCE EXPENDITURE LIMITS FOR
FSC GROUP 81
FSC CLASSES 8110, 8115, and 8145**

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Section I. INTRODUCTION

1. General.

5. This bulletin implements the policies established by AR 750-1. It provides guidance for technical inspection and disposition instructions.
6. This bulletin applies to all U.S. Army organizations, installations, activities, and the Reserve components worldwide that use and/or repair equipment listed in the appendices of this bulletin. This bulletin is also applicable to Army depots with an assigned overhaul mission.

2. Format of Technical Bulletin. This bulletin is divided into the following:

5. Section II, One Time Repair Expenditure Limits. This section includes procedures for determining expenditure limits for items listed under the certain Federal Supply Classes.
6. Section III, Technical Inspections. This section includes responsibilities for performing inspections on required or evacuated items.
7. Section IV, Computation of Repair Cost Estimates. This section includes instructions for preparing repair costs estimates for items listed.
8. Section V, Disposition Instructions. This section includes disposition of items where the repair is beyond the capability of support level maintenance.
9. Section VI, Appendices. This section contains a listing of expenditure limits for applicable stock classes.

Section II. ONE-TIME REPAIR EXPENDITURE LIMITS

3. Procedure.

5. One-time 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 Army Master Data File (AMDF).
6. The procedure for determining the repair expenditure limit for an item is as follows:
 - (1). Refer to the AMDF for the current 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.
7. 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. An end item loses its' repair eligibility if the estimated cost of repair exceeds this product (except with waiver in accordance with AR 750-1). The maximum allowable one-time overhaul allowance of 65 percent as authorized in AR 750-1 is restricted to those years identified in this bulletin.

4. Expenditures Limits.

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

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6. Paragraph 4a (above) is applicable to bulk components, assemblies, and/or recoverable parts to be repaired and returned to the pipeline for issue. These bulk items are those items in support of the direct exchange program.
7. One-time expenditure limits are shown in the appendices as indicated below:

FSC Class 8110	Appendix A
FSC Class 8115	Appendix B
FSC Class 8145	Appendix C

Section III. TECHNICAL INSPECTIONS

5. **Procedures.** Support maintenance organizations and activities are responsible for performing the Technical Inspections, incident to repair or evacuation of items listed in this bulletin. These inspections should be performed by experienced, technically qualified maintenance personnel. Inspections will be performed in accordance with applicable technical manuals and DA Pam 738-750. When equipment is to be repaired at support maintenance, the serviceability standards applicable to the maintenance category performing the repair will apply. Guidance and assistance should be requested from depot maintenance activities when considered necessary to insure that only economically repairable items are evaluated for overhaul. Items received by depot maintenance facilities for overhaul will be further evaluated to insure that they are economically repairable.
6. **Forms.** DA Forms 2408-7 (Equipment Transfer Report) and 2408-8 (Equipment Acceptance and Registration Record) will be used to record the transfers of equipment. Instructions on the preparation of the DA Form 2408, (Equipment Log Assembly Records) are found in DA Pam 738-750. DA Form 3590 will be used to record the results of the technical inspections. Instructions on the use of the DA Form 3590 are listed in TB 43-0140.

Section IV. COMPUTATION OF REPAIR COST ESTIMATES

7. **Cost Factors.** Computation of repair costs 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 instructions contained in paragraphs 4 and 5 of this bulletin and AR 750-1. Exclusions to the estimate of cost to repair are listed in AR 750-1.

Section V. DISPOSITION INSTRUCTIONS

9. **Eligibility of Material for Evacuation to Depot Maintenance.**
10. **CONUS.** All equipment covered by this bulletin is eligible for evacuation to depot maintenance whenever the Technical Inspection performed indicates that repairs required are not authorized and/or exceed general support capabilities. The cost of repairs will not exceed the one-time repair expenditure limits.
11. **Overseas.** Depot Maintenance of all end items contained in this bulletin at overseas installations is the responsibility of major overseas commanders and will be accomplished with existing facilities, personnel and equipment with appropriate augmentation when required, or by contract maintenance. The technical inspectors must be familiar with maintenance operations and standards to determine the work required and thereby arrive at the proper classification.
12. **Disposition Instructions.** These instructions will be provided by the National Inventory Control Point (NICP) for all items in Appendix A, and the Joint Container Control Office (JCCO), Tobyhanna Army Depot, per instructions in AR 750-17 for all items listed in Appendix B and Appendix C, regardless of repair expenditure limitations listed in the applicable appendix. When the estimated one-time repair cost exceeds the prescribed

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expenditure limits and waiver of limits is not authorized as provided for in paragraph 4-15, AR 750-1, no action will be taken to dispose of the equipment until disposition instructions are received from the NICP.

Section VI. APPENDIXES

- **General.** Appendices A, B, and C furnish repair and/or overhaul expenditure limits in percentages of price according to age of the equipment in years and provides the necessary data required to determine end item repair eligibility. All items are identified by National Stock Numbers and arranged in numerical sequence.

12. Column Data.

- Column 1 – FSC or Stock Number End item National Stock Numbers listed in numerical sequence.
- Column 2 – Item identification. Item generic nomenclature, functional capability, make and model.
- Column 3 – Serial or USA Number identification and Remark. This column contains remarks when required to explain data in columns 4 and 5.
- Column 4 – Production Year. The year that item was manufactured. If no date is shown, refer to equipment data plate or equipment log book.
- Column 5 – Serial Number Range or USA Number. The serial number ranges for the production years listed in column 4.
- Column 6– Years of Life Expectancy. The average life expectancy of the item in years.
- Columns 7 through 13. – Repair Limitations. The limiting years in which the percentages shown at top of columns can be applied to the end item standard price as the authorized one-time repair expenditure. Where columns 7 through 13 are blank, the item is not eligible for repair, with exception to the minimum maintenance required to maintain it in a safe, operable condition.

13. References.

- General.
 - Army Master Data File (AMDF)
- Forms:
 - DA Form 2028 Recommended Changes to Publications and Blank Forms
 - DA Form 2407 Maintenance Request
 - DA Form 2408-7 Equipment Transfer Report
 - DA Form 2408-8 Equipment Acceptance and Registration Record
 - DA Form 3590 Repair Eligibility Data Sheet
- Regulations:
 - AR 750-1 Army Material Maintenance Concepts and Policies
 - AR 750-17 Maintenance of CONEX/MILVAN Equipment
 - DA Pam 738-750 The Army Maintenance Management System
- Technical Bulletin:
 - TB 43-0140 Instructions for Preparation of Repair Eligibility Data Sheet (DA Form 3590)

Appendix A

EXPENDITURE LIMITS FOR FSCC CLASS 8110

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				
						59%	50%	40%	20%	10%
1	2	3	4	5	6	7	8	9	10	11
8110-00-824-1444	DRUM, FABRIC, COLLAPSIBLE, LIQUID FUEL, 500 GAL. NON-VENTED		ALL	ALL SERIAL NUMBERS	*	IND				
8110-00-900-8328	DRUM, FABRIC, COLLAPSIBLE, POTABLE WATER, 250 GAL. NON-VENTED		ALL	ALL SERIAL NUMBERS	*	IND				
8110-00-089-4505	DRUM, FABRIC, COLLAPSIBLE, POTABLE WATER, 55 GAL.		ALL	ALL SERIAL NUMBERS	*	IND				
8110-00-965-2313	DRUM, FABRIC, COLLAPSIBLE, LIQUID FUEL , 500 GALLON		ALL	ALL SERIAL NUMBERS	*	IND				
8110-01-122-0015	DRUM, FABRIC, COLLAPSIBLE, POTABLE WATER, 500 GALLON		ALL	ALL SERIAL NUMBERS	*	IND				
8110-01-327-1981	DRUM, FABRIC, COLLAPSIBLE, FUEL, 500 GALLON, LOW TEMPERATURE, ARTIC		ALL	ALL SERIAL NUMBERS	*	IND				
8110-01-369-7668	DRUM, FABRIC, COLLAPSIBLE, LIQUID FUEL, 500 GALLON		ALL	ALL SERIAL NUMBERS	*	IND				

* 5 YR SERVICE LIFE / 20 YR SHELF LIFE

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Appendix B

EXPENDITURE LIMITS FOR FSCC CLASS 8115

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						
						65%	55%	50%	45%	35%	25%	10%
1	2	3	4	5	6	7	8	9	10	11	12	13
8115-00-168-2275	CONTAINER, GENERA CARGO, MILVAN		72	3430 thru 5629	10	IND						
8115-00-151-9953	CONTAINER, W/MECHANICAL LOAD BRACING SYSTEM MILVAN		72	5630 thru 10129	10	IND						
8115-01-016-5909	CONTAINER, INSULATED		ALL	ALL SERIAL NUMBERS	20	IND	14 YRS		15-16 YRS	17-18 YRS	19 YRS	20 YRS
8115-01-015-7039	CONTAINER, REFRIGERATED, MILVAN		80		20	IND	14 YRS		15-16 YRS	17-18 YRS	19 YRS	20 YRS
8115-01-220-9527	CONATINER, W/MECHANICAL LOAD BRACING SYSTEM: MILVAN		87		12	IND						
8115-01-241-7524	CONTAINER, GENERAL CARGO: MILVAN		89		12	IND						

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Appendix C
EXPENDITURE LIMITS FOR FSCC CLASS 8145

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%	45%	35%	25%	10%
1	2	3	4	5	6	7	8	9	10	11
8145-01-471-3557	CONTAINER FOR REFRIGERATION		2000-2001	ALL SERIAL NUMBERS	20	14 YRS	15-16 YRS	17-18 YRS	19 YRS	20 YRS

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