DEPARTMENT OF THE ARMY TECHNICAL MANUAL

TECHNICAL MANUAL
ORGANIZATIONAL, DIRECT SUPPORT AND GENERAL SUPPORT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LIST (INCLUDING DEPOT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS)
TRUCK, FIRE, FIGHTING, POWER PUMPER; FOAM AND WATER, 500 GPM, CENTRIFUGAL PUMP, POWER TAKE-OFF DRIVEN, 400 GALLON WATER TANK, 40 GALLON FOAM CHEMICAL TANK, CLASS 530B, NON-WINTERIZED
(WARD LA FRANCE MODEL M45A2WLF)
NSN 4210-00-928-3515
(AMERICAN AIR FILTER MODEL FT-500)
NSN 4210-00-449-0431
(LOADCRAFT MODEL M45A2FTL-1)
NSN 4210-00-168-1768

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HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, D.C., *21 March 1975*

ORGANIZATIONAL, DIRECT SUPPORT AND GENERAL SUPPORT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LIST (INCLUDING DEPOT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS) TRUCK, FIRE, FIGHTING, POWER PUMPER FOAM AND WATER, 500 GPM, CENTRIFUGAL PUMP, POWER TAKE-OFF DRIVEN, 400 GALLON WATER TANK, 40 GALLON FOAM CHEMICAL TANK, CLASS 530B, NON-WINTERIZED (WARD LA FRANCE MODEL M45A2WLF) NSN 4210-00-928-3515 (AMERICAN AIR FILTER MODEL FT-500) NSN 4210-00-449-0431 (LOADCRAFT MODEL M45A2FTL-1) NSN 4210-00-168-1768

CURRENT AS OF 27 DECEMBER 1974

			Page	Illus Figure
SECTION	I.	INTRODUCTION		
	II.	REPAIR PARTS LIST		
Group	01.	Batteries, cables, and holddown components		
		Battery Box (Models M45AWLF and M45A2FTL-1)	2-1	1
		Battery Box (Model FT-500)	2-3	2
	02.	Lights		
		Dome light	2-5	3
		Warning light	2-6	4
		Rear spotlight	2-7	5
		Under hood light and switches	2-8	6
		Front spotlight	2-9	7

*This manual supersedes TM 5-4210-213-25P, 27 January 1969, including all changes.

Group			Page	Illus Figure
	03.	Siren Assembly, Foot Switch, Solenoid and Circuit Breaker		
		Circuit breaker and switches	2-10	8
		Siren assembly (models M45A2WLF and M45A2FTL-1)	2-11	9
		Siren assembly (model FT-500)	2-13	10
		Siren switches	2-15	11
	04.	Hose Reel Assembly		
		Hose reel and motor	2-16	12
		Hose reel	2-18	13
		Hose reel frame	2-20	14
	05.	Propeller Shaft Assembly	2-21	15
	06.	Body Compartments		
		Right side compartment	2-22	16
		Left side compartment (sheet 1 of 2)	2-24	17
		Left side compartment (sheet 2 of 2)	2-26	17
		Pump compartment doors	2-28	18
		Pump compartment	2-30	19
	07.	Ladder Supports	2-32	20
	08.	Apron, rear and Attaching Components	2-35	
		Rear accessories	2-34	21
		Rear apron	2-36	22
	09.	Foam Tank Assembly		
		Foam tank	2-38	23
		Foam tank fittings (models M45A2WLFand FT-500)	2-40	24
		Foam tank fittings (model M45A2FTL-1)	2-41	25
	10.	Instrument Housing Group	2-42	26
	11.	Control Panels, Operator		
		Control panel left	2-44	27
		Control panel right	2-46	28
	12.	Piping Water and Foam		
		Hose reel piping (model M45A2WLF)	2-47	29
		Hose reel piping (model FT-500)	2-49	30
		Hose reel piping (model FT-500)	2-51	31
		Hose reel piping (model M45A2FTL-1)	2-53	32
		Foam lines and fittings	2-55	33
		Foam proportioner valve	2-57	34
		Pump to water tank piping (models M45A2WLF and M45A2FTL-1)	2-58	35
		Pump to water tank piping (model FT-500)	2-59	36
		Educator and piping (models M45A2WLF and M45AFTL-1)	2-60	37
		Educator and piping (model FT-500)	2-61	38
		Water pump to tank piping (models M45A2WLF and M45A2FTL-1)	2-62	39
		Water pump to tank piping (model FT-500)	2-63	40
	13.	Heater		
		Heater hoses and fitting	2-64	41
		Heater components	2-65	42
	14.	Control Valves		
		Hose reel ball valve (model M45A2WLF)	2-67	43
		Hose reel ball valve (model M45A2FTL-1)	2-68	44
		Hose reel ball valve (model FT-500)	2-69	45
		Foam line ball valve (model M45A2WLF)	2-70	46
		Hose reel ball valve ¾ in (model M45A2WLF)	2-71	47
		Metering valve	2-72	48
		Check valve	2-73	49
		Educator	2-74	50
		Valve, water tank	2-75	51
		Ball valve, 2 in	2-76	52
	15.	Fire Pump Assembly		
		Priming tank	2-77	53
		Priming pump drain lines and fittings	2-79	54
		Primer valve	2-80	55
		Drain valve and lines (models M45A2WFL and M45A2FTL-1)	2-81	56
		Drain valve	2-82	57
		Drain valve and lines (model FT-500)	2-83	58
		Primer pump motor and solenoid	2-84	59
		Primer pump motor	2-85	60
		Primer pump	2-86	61

			Page	Illus Figure
Group	15.	-Continued		
		Clutch linkage	2-88	62
		Suction and discharge tubes	2-90	63
		Relief valve, pump suction and discharge tubes	2-91	64
		Suction valve	2-92	65
		Discharge valve	2-93	66
		Pump gear box	2-95	67
		Pump body and volute	2-97	68
		Water pump	2-99	69
		Relief valve	2-101	70
		Control valve	2-102	71
		Discharge drain valve	2-104	72
		Drain valve guard, plate and drain cocks	2-105	73
	16.	Tank Assembly, Water	2-108	74
	17.	Battery Box Support and Grab Handle	2-110	75
	18.	Hose Bed Assembly	2-112	76
	19.	Frame and Mounting Brackets	2-113	77
	20.	Wiring harness and cables	2-115	
	21.	Heat Exchanger and Oil Pan Box Assembly	2-119	
		Box, oil pan	2-119	78
		Heat exchanger and lines (model M45A2WLF)	2-120	79
		Heat exchanger and lines (model FT-500)	2-122	80
		Heat exchanger and lines (model M45A2FTL-1)	2-123	81
	22.	Muffler Brackets		
		Muffler brackets	2-123	82
		Exhaust pipe bracket	2-126	83
	23.	Data and Instruction Plates (sheet 1 of 2)	2-127	84
		Data and instruction plates (sheet 2 of 2)	2-128	84
SECTION	III.	SPECIAL TOOLS LIST "NOT APPLICABLE"		
	IV.	NATIONAL STOCK NUMBER AND PART NUMBER INDEX		4-1

SECTION I

INTRODUCTION

1. Scope

This manual lists repair parts, special tools, test, measurement, diagnostic equipment (TMDE), and other support equipment required for operation and performance of organizational, direct support, and general support maintenance of the Truck, Fire Fighting.

2. General

a. Section II-Repair Parts List. A list of repair parts authorized for use in the performance of maintenance. The list also includes parts which must be removed for replacement of the authorized parts. Parts lists are composed of functional groups in ascending numerical sequence, with the parts in each group listed in figure and item number sequence. Bulk materials are listed in FSN sequence, as the last group in Section II.

b. Section III-Special Tools List. "Not Applicable".

c. Section IV-National Stock Number and Part Number Index. A list, in ascending numerical sequence, of all National stock numbers appearing in the listings, followed by a list, in alphanumeric sequence, of all part numbers appearing in the listings. National stock number and part numbers are cross-referenced to each illustration figure number and item number appearance.

3. Explanation of Columns

The following provides an explanation of columns found in the tabular listings:

a. Illustration. This column is divided as follows:

(1) Figure number. Indicates the figure number of the illustration in which the item is shown.

(2) Item number. The number used to identify each item called out in the illustration.

b. Source, Maintenance, and Recoverability Codes (SMR).

(1) *Source code*. Source codes are assigned to support items to indicate the manner of acquiring support items for maintenance, repair, or overhaul of end items. Source codes are entered in the first and second positions of the Uniform SMR Code format as follows:

Code	*Definition*
PA	Item procured and stocked for anticipated or known usage.
PB	Item procured and stocked for insurance purpose because essentiality dictates that a minimum quantity be available in the supply systems.
PC	Item procured and stocked and which otherwise would be coded PA except that it is deteriorative in nature.
PD	Support item, excluding support equipment, procured for initial issue or outfitting and stocked only for subsequent or additional initial issues or outfittings. Not subject to automatic replenishment.
PE	Support equipment procured and stocked for initial issue or outfitting to specified maintenance repair activities.
PF	Support equipment which will not be stocked but which will be centrally procured on demand.
PG	Item procured and stocked to provide for sustained support for the life of the equipment. It is applied to an item peculiar to the equipment which, because of probable discontinuance or shutdown of production facilities, would prove uneconomical to reproduce at a later time.
KD	An item of a depot overhaul/repair kit and not purchased separately. Depot kit defined as a kit that provides items required at the time of overhaul or repair.
KF	An item of a maintenance kit and not purchased separately. Maintenance kit defined as a kit that provides an item that can be replaced at organizational or intermediate levels of maintenance.
KB	Item included in both a depot overhaul/repair kit and a maintenance kit.
MO	Item to be manufactured or fabricated at organizational level.
MF	Item to be manufactured or fabricated at the direct support maintenance level.
MH	Item to be manufactured or fabricated at the general support maintenance level.
MD	Item to be manufactured or fabricated at the depot maintenance level.
AO	Item to be assembled at organizational level.
AF	Item to be assembled at direct support maintenance level.
AH	Item to be assembled at general support maintenance level.
AD	Item to be assembled at depot maintenance level.
XA	Item is not procured or stocked because the requirements for the item will result in the replacement of the next higher assembly.
XB	Item is not procured or stocked. If not available through salvage, requisition.
XD	A support item that is not stocked. When required, item will be procured through normal supply channels.

NOTE
Cannibalization or salvage may be used as a source of supply for any item source coded above except those coded XD.

(2) *Maintenance code*. Maintenance codes are assigned to indicate the levels of maintenance authorized to use and repair support items. The maintenance codes are entered in the third and fourth positions of the Uniform SMR code format as follows:

(a) The maintenance code entered in the third position will indicate the lowest maintenance level authorized to remove, replace and use the support item. The maintenance code entered in the third position will indicate one of the following levels of maintenance:

Code	*Application/Explanation*
C	Crew or operator maintenance performed within organizational maintenance.
O	Support item is removed, replaced, used by the direct support element of integrated direct support maintenance.
I	Support item is removed, replaced, used by the direct support element of integrated direct support maintenance.
F	Support item is removed, replaced, used at the direct support level.
H	Support item is removed, replaced, used at the general support level.
D	Support items that are removed, replaced, used at depot, mobile depot, specialized repair activity only.

NOTE
Codes "I" and "F" will be considered the same by direct support units.

(b) The maintenance code entered in the fourth position indicates whether the item is to be repaired and identifies the lowest maintenance level with the capability to perform complete repair (i.e., all authorized maintenance functions). This position will contain one of the following maintenance codes:

Code	*Application/Explanation*
O	The lowest maintenance level capable of complete repair of the support item is the organizational level.
F	The lowest maintenance level capable of complete repair of the support item is the direct support level.
H	The lowest maintenance level capable of complete repair of the support item is the general support level.
D	The lowest maintenance level capable of complete repair of the support item is the depot level.
L	Repair restricted to designated specialized repair activity.
Z	Nonreparable. No repair is authorized.
B	No repair is authorized. The item may be reconditioned by adjusting, lubricating, etc., at the user level. No parts or special tools are procured for the maintenance of this item.

(3) *Recoverability code.* Recoverability codes are assigned to support items to indicate the disposition action on unserviceable items. SMR Code format as follows:

Recoverability	*Definition*
Z	Nonreparable item. When unserviceable, condemn and dispose at the level indicated in position 3.
O	Reparable item. When uneconomically reparable, condemn and dispose at organizational level.
F	Reparable item. When uneconomically reparable, condemn and dispose at the direct support level.
H	Reparable item. When uneconomically reparable, condemn and dispose at the general support level.
D	Reparable item. When beyond lower level repair capability, return to depot. Condemnation and disposal not authorized below depot level.
L	Reparable item. Repair, condemnation, and disposal not authorized below depot/specialized repair activity level.
A	Item requires special handling or condemnation procedures because of specific reasons (i.e., precious metal content, high dollar value, critical material or hazardous material). Refer to appropriate manuals/directives for specific instructions.

c. National Stock Number. Indicates the National stock number assigned to the item and will be used for requisitioning purposes.

d. Part Number. Indicates the primary number used by the manufacturer which controls the design and characteristics of the item by means of its engineering drawings, specifications standards, and inspection requirements to identify an item or range of items.

NOTE
When a stock numbered item is requisitoned, the repair part received may have a different part number than the part being replaced.

e. Federal Supply Code for Manufacturer (FSCM). The FSCM is a 5-digit numeric code listed in SB 708-42 which is used to identify the manufacturer, distributor, or Government agency, etc.

f. Description. Indicates the National item name and, if required, a minimum description to identify the item. Items that are included in kits and sets are listed below the name of the kit or set with the quantity of each item in the kit or set indicated in the quantity incorporated in unit column. When the part to be used differs between serial numbers of the same model, the effective serial numbers are shown as the last line of the description. In the Special Tools List, the initial basis of issue (BOI) appears as the last line in the entry for each special tool, TMDE, and support equipment. When density of equipments supported exceeds density spread indicated in the