

TECHNICAL MANUAL

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

FOR

**HEATER, DUCT TYPE
PORTABLE TRAILER MOUNTED
400,000 BTU/HR FIESTA MODEL
FC-400-1
NSN 4520-01-071-7191**

Approved for public release; Distribution is unlimited.

* This manual supersedes TM 5-4520-244-24P, 27 March 1987

**HEADQUARTERS, DEPARTMENT OF THE ARMY
20 APRIL 1991**

TECHNICAL MANUAL
NO. 5-4520-244-24P

HEADQUARTERS,
DEPARTMENT OF THE ARMY
WASHINGTON, D.C., 20 APRIL 1991

**UNIT AND DIRECT SUPPORT AND GENERAL SUPPORT MAINTENANCE
REPAIR PARTS AND SPECIAL TOOLS LIST
FOR
HEATER, DUCT TYPE PORTABLE TRAILER MOUNTED,
400,000 BTU/HR FIESTA MODEL FC-400-1
NSN 452001-071-7191**

Current as of 24 June 1990

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.

DISTRIBUTION STATEMENT A: Approved for public release; distribution is unlimited.

TABLE OF CONTENTS

		Page	Figure
Section I.	INTRODUCTION	1	
Section II.	REPAIR PARTS LIST	1-1	
Group 01.	HOSES, ADAPTER, BASKET AND SUPPORT HANDLES Duct Hose, Basket and Frame Assembly	1-1	1
Group 02.	HOOD ASSEMBLY Hood Assembly	2-1	2
Group 03.	POWER UNIT, ENGINE Engine Assembly and Attachments	3-1	3
Group 04.	FUEL SYSTEM Fuel Lines and Fittings	4-1	4
	Fuel Pump Assembly	5-1	5
	Fuel Filter Assembly	6-1	6
Group 05.	CONTROL AND INSTRUMENTS Control Box and Instrument	7-1	7
	Fuel Control Valves	8-1	8
Group 06.	IGNITION SYSTEM Ignition Cable and Magneto Drive Pulley	9-1	9
	Magneto Assembly	10-1	10
Group 07.	AIR SYSTEM Drive Belt, Drive Coupling and Air Control	11-1	11
Group 08.	COMBUSTION SYSTEM Combustion Chamber and Lines.....	12-1	12
Group 09.	HEAT EXCHANGER Heat Exchanger and Damper Control	13-1	13
Group 10.	BULKHEAD, SIDE PANELS AND CASING Casing, Bulkheads and Side Panels	14-1	14

*This manual supersedes TM 5-4520-244-24P, 27 March 1987.

TM 5-4520-244-24P

Group 11.	SKID, COVER AND FUEL TANK		
	Skid, Fuel Tank and Cover	15-1	15
Group 12.	TRAILER ASSEMBLY		
	Trailer Assembly	16-1	16
Section III.	SPECIAL TOOLS LIST (Not Applicable)		
Section IV.	CROSS-REFERENCE INDEXES.	I-1	
	National Stock Number Index.	I-1	
	Part Number index	I-3	
	Figure and hem Number index.	I-11	

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 Heater, 400,000 BTU/HR. It authorizes the requisitioning, issue, and disposition of spares, repair parts and special tools as indicated by the source, maintenance and recoverability (SMR) codes.

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. The 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. Repair parts kits are listed separately in their own functional group within Section II Repair parts for repairable special tools are also listed in this section. Items listed are shown on 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-references Indexes. 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 number 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.

