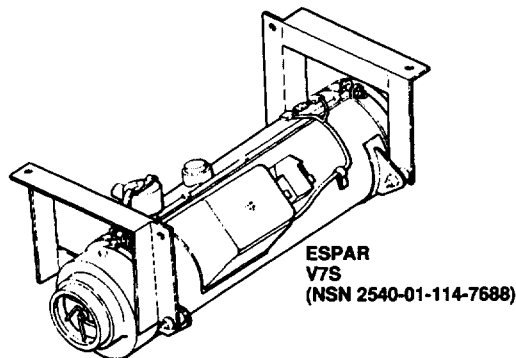
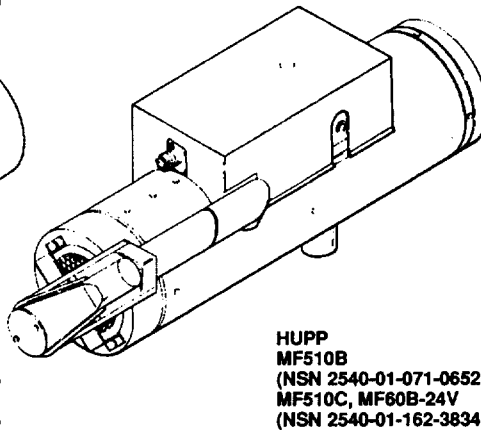
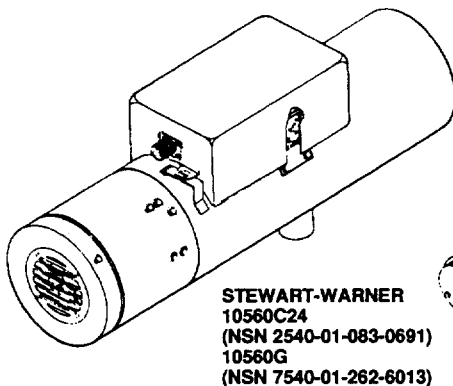
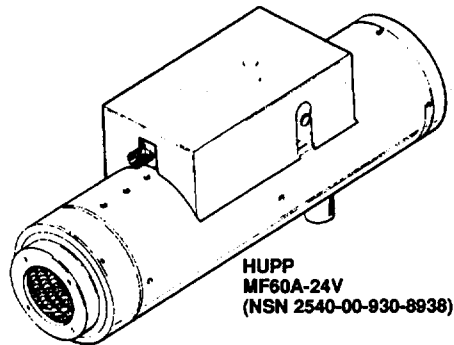
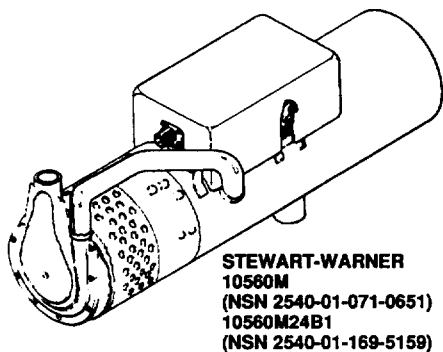


TECHNICAL MANUAL

**ORGANIZATIONAL, DIRECT SUPPORT, AND
GENERAL SUPPORT MAINTENANCE MANUAL
(INCLUDING REPAIR PARTS AND SPECIAL
TOOLS LISTS)
FOR
HEATERS, VEHICULAR COMPARTMENT:**



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*This manual supersedes TM 9-2540-205-24&P, dated 18 October 1984

**HEADQUARTERS, DEPARTMENT OF THE ARMY
APRIL 1992**

Technical Manual
NO. 9-2540-205-2481P

HEADQUARTERS
DEPARTMENT OF THE ARMY
Washington D. C., 10 April 1992

ORGANIZATIONAL, DIRECT SUPPORT, AND GENERAL SUPPORT
MAINTENANCE MANUAL
(INCLUDING REPAIR PARTS AND SPECIAL TOOLS LISTS)
FOR
HEATERS, VEHICULAR COMPARTMENT:

STEWART-WARNER
1056OC24 (NSN 2540-01-063-0691)
10560M (NSN 2540-01-071-0651)
10560M24B1 (NSN 2540-01-169-5159)
10560G (NSN 25404)1-262-6013)

HUPP
MF510B (NSN 2540-01-071-0652)
MF510C, MF60B-24V (NSN 2540-01-162-3834)
MF60A-24V (NSN 2540-00-930-8838)

ESPAR
V7S (NSN 2540-01-114-7688)

CURRENT AS OF APRIL 1992

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 directly to: Commander, U.S. Army Tank-Automotive Command, ATTN: AMSTA-MB, Warren, MI 48397-5000. A reply will be sent to you.

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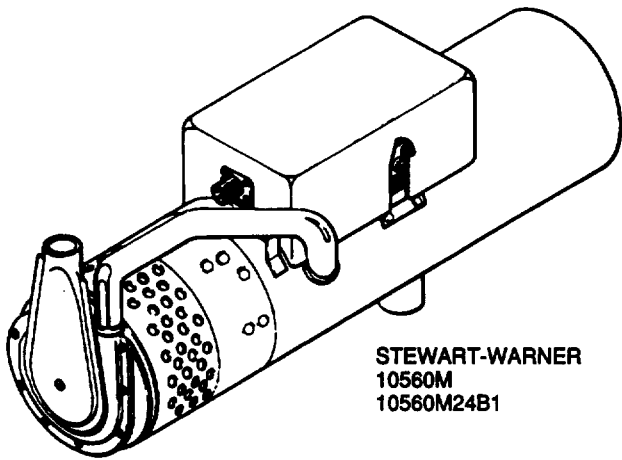
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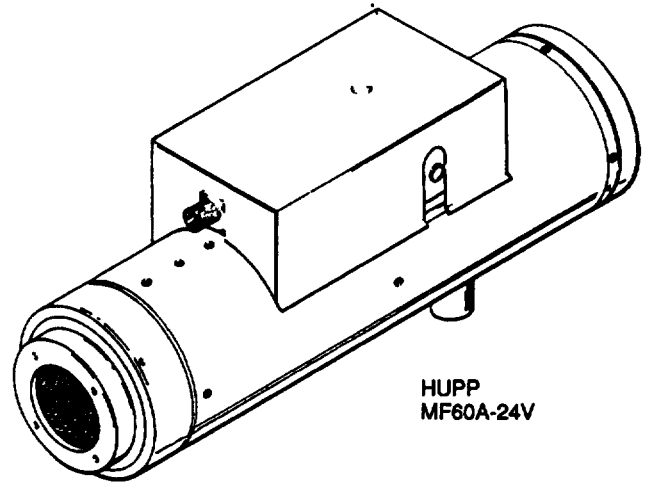
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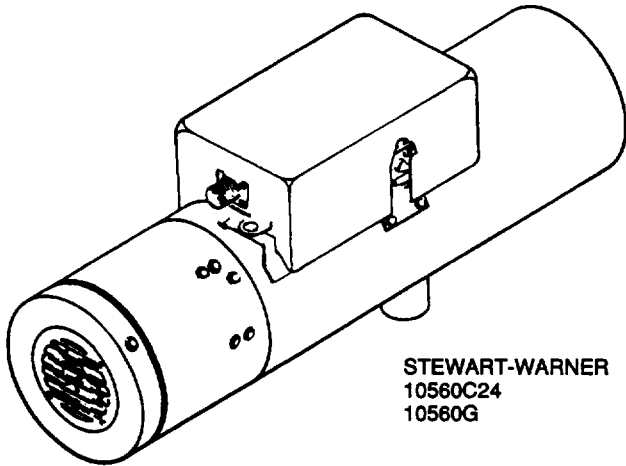
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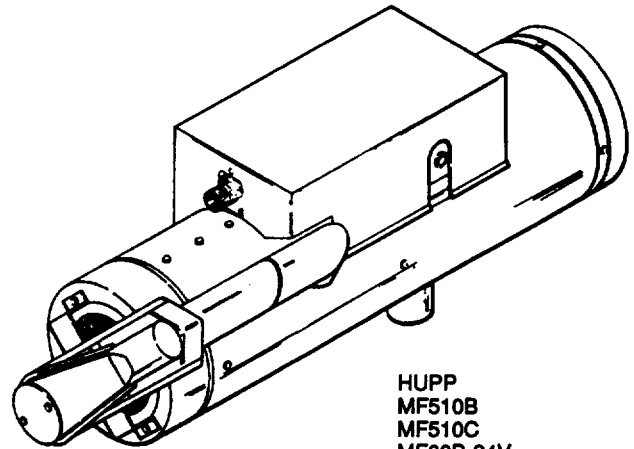
STEWART-WARNER
10560M
10560M24B1



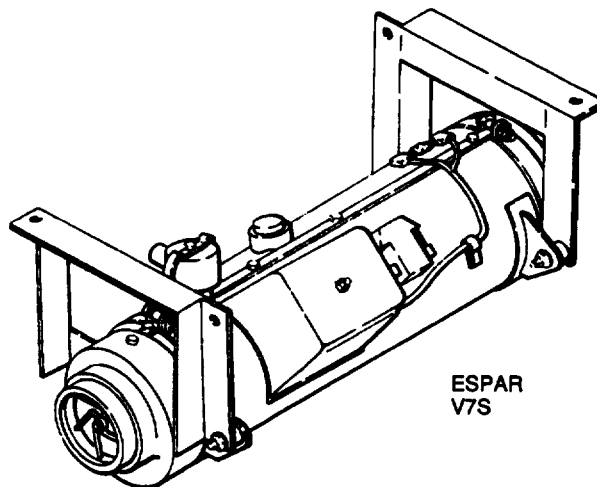
HUPP
MF60A-24V



STEWART-WARNER
10560C24
10560G



HUPP
MF510B
MF510C
MF60B-24V



ESPAR
V7S

CHAPTER 1

INTRODUCTION

OVERVIEW

The purpose of this chapter is to tell you about the functions and features of the vehicular compartment heaters covered in this manual.

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Section I. GENERAL INFORMATION

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SCOPE

Type of Manual: Organizational, Direct Support, and General Support Maintenance (including Repair Parts and Special Tools Lists).

Model Number and Equipment Name: Stewart-Warner 10560G, 10560C24, 10560M) and 10560M24B1; Hupp, MF60A-24V, MF60B-24V, MF510B, and MF510C; and ESPAR Products V7S Vehicular Compartment Heaters.

Purpose of Equipment: Supplies warm air to the cab and cargo area for crew comfort and windshield defrosting.

MAINTENANCE FORMS AND RECORDS

Department of the Army forms and procedures used for equipment maintenance will be those prescribed by DA PAM 738-750, The Army Maintenance Management System (TAMMS).

DESTRUCTION OF ARMY MATERIEL TO PREVENT ENEMY USE

Refer to TM 750-244-6, Procedures for Destruction of Tank-Automotive Equipment to Prevent Enemy Use (US Army Tank-Automotive Command).

REPORTING EQUIPMENT IMPROVEMENT RECOMMENDATIONS (EIR'S)

If your personnel heater needs improvement, let us know. Send us an EIR. You, the user, are the only one who can tell us what you don't like about your equipment. Let us know why you don't like the design or performance. Put it on an SF 368 (Quality Deficiency Report). Mail it to us at: Commander, US Army Tank-Automotive Command, ATTN: AMSTA-MP, Warren, MI 48397-5000. We'll send you a reply.

Section II. EQUIPMENT DESCRIPTION AND DATA

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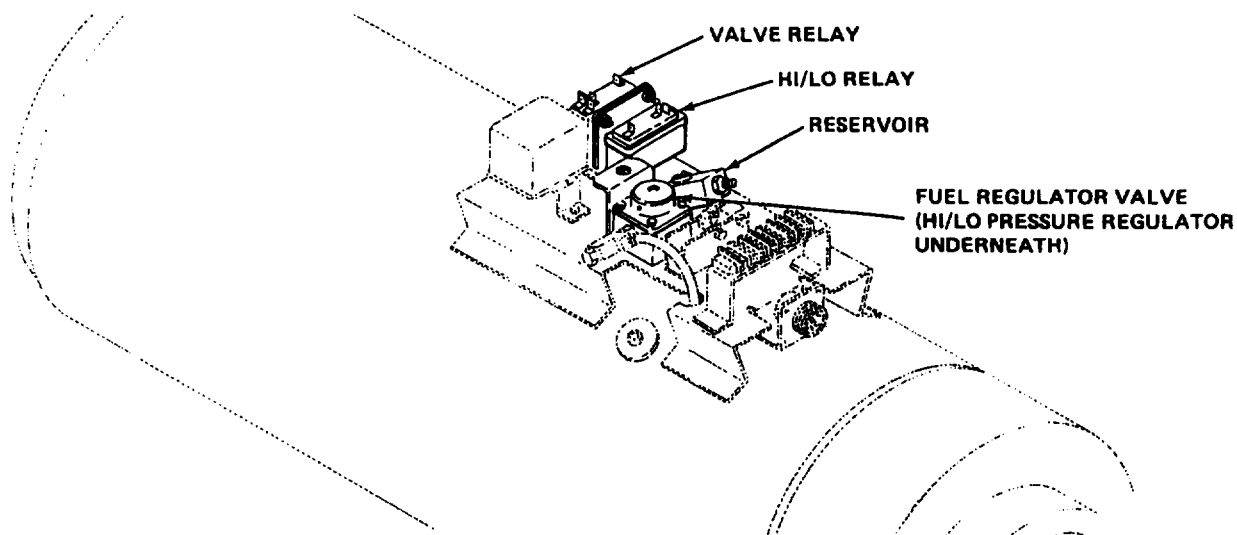
EQUIPMENT CHARACTERISTICS, CAPABILITIES, AND FEATURES

Many different heaters have been used in combat vehicles. These heaters supply warm air for crew comfort. The heater is mounted in various locations based on model of vehicle application, and is operated by a control box in the cab or driver compartment. The control box allows the operator to turn the heater on and off and adjust the desired heat output. The control box is part of the vehicle; its operation and maintenance are not covered by this manual.

LOCATION AND DESCRIPTION OF MAJOR COMPONENTS

Hupp Models MF510B, MF510C, MF60A-74V, and MF60B-24V

FUEL SYSTEM

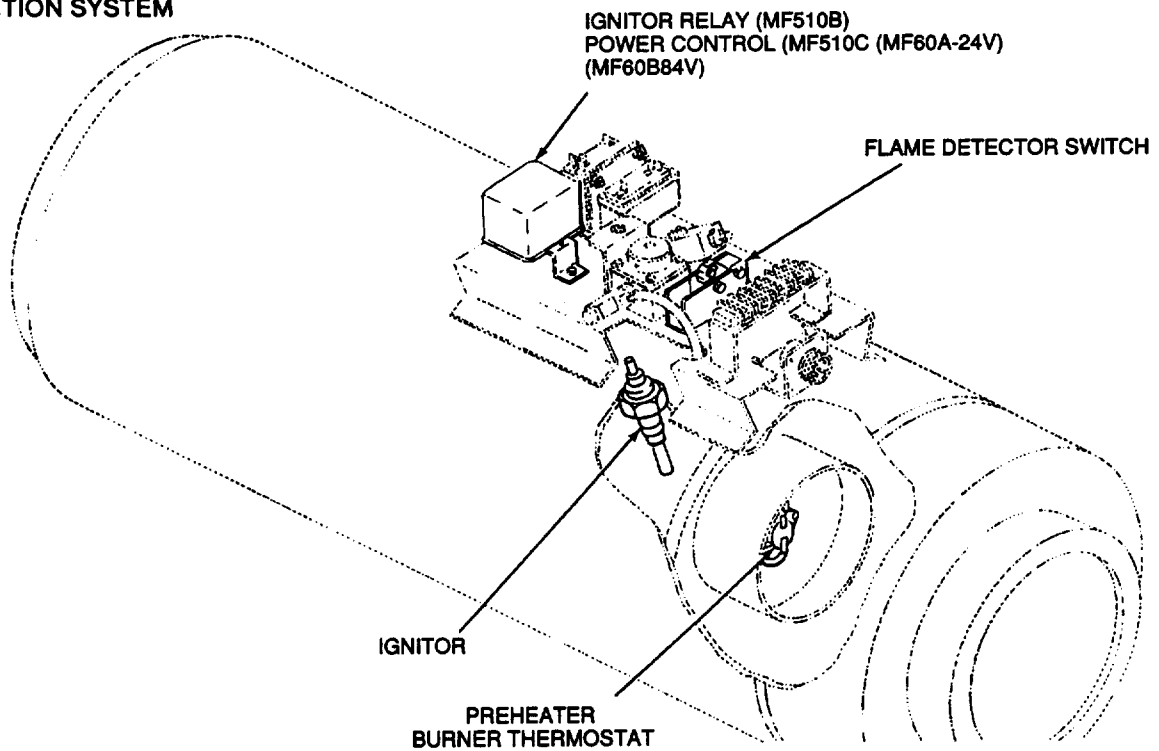


LOCATION AND DESCRIPTION OF MAJOR COMPONENTS- Continued

Hupp Models MF510B, MF510C, MF60A-24V, and MF60B-24V

IGNITION SYSTEM

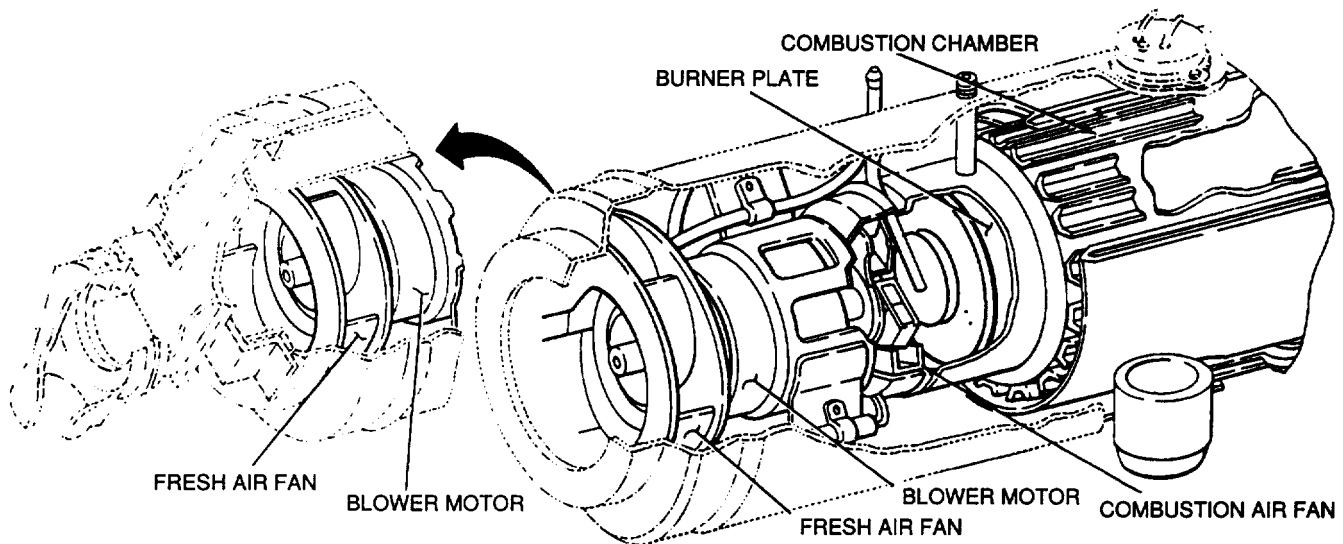
IGNITION SYSTEM



LOCATION AND DESCRIPTION OF MAJOR COMPONENTS - Continued

Hupp Models MF510B, AND MF510C

AIR FLOW SYSTEM

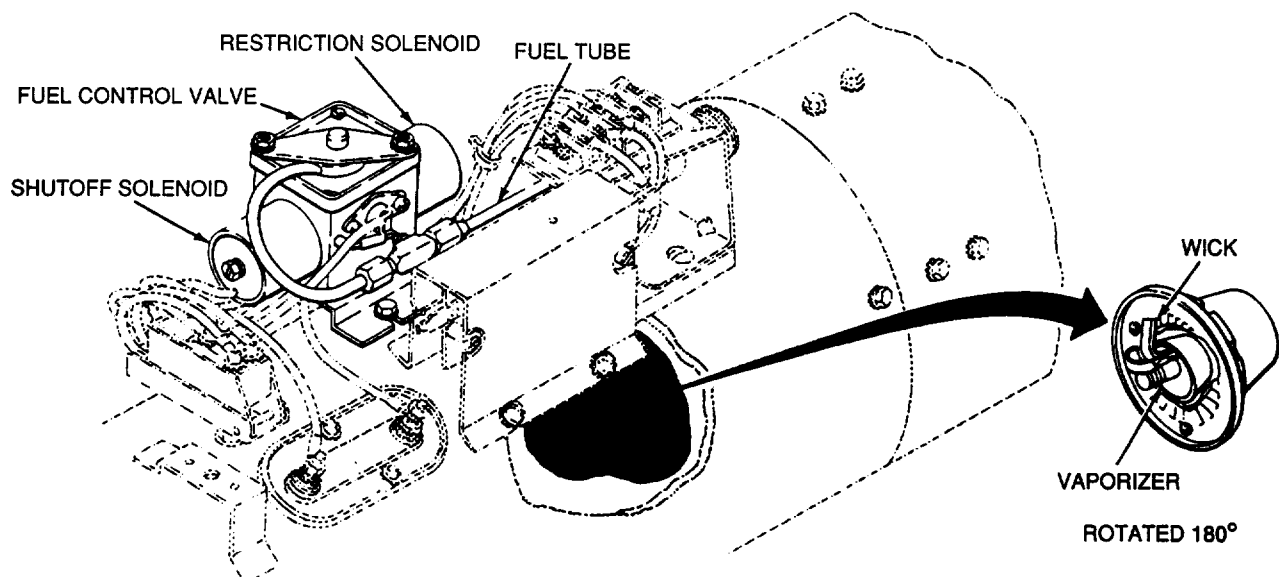


Stewart-Warner Models 10560C24, 10560M, and 10560M24B1, 10560G

NOTE

There may still be some 10560B heaters in the field. A conversion kit is available for converting "B" heaters into more reliable "C" models (see Appendix D for parts information). Additional information on conversion is available from U.S. Army Tank-Automotive Command, ATTN: AMSTA-MCC, Warren, MI 48397-5000.

FUEL SYSTEM



LOCATION AND DESCRIPTION OF MAJOR COMPONENTS-Continued

Stewart-Warner Models 10560C24, 10560M, and 10560M24B1, 10560G

IGNITION SYSTEM

