

TECHNICAL MANUAL

OPERATOR'S, ORGANIZATIONAL,
DIRECT SUPPORT AND GENERAL SUPPORT
MAINTENANCE MANUAL

FOR

GENERATOR SET: GASOLINE ENGINE DRIVEN,
4.2 KW, 150 AMP, 28V, DC

MODEL DC 4.2- ORD/28 (6115-00-857-1397)

This copy is a reprint which includes current
pages from Changes 1 through 4.

HEADQUARTERS, DEPARTMENT OF THE ARMY

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REPORT OF ERRORS AND RECOMMENDING IMPROVEMENTS

You can help improve this manual. If you find any mistake 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 Troop Support & Aviation Materiel Readiness Command, ATTN: DRSTS-MPSD, 4300 Goodfellow Boulevard, St. Louis, MO 63120. A reply will be furnished to you.

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CHAPTER 1

INTRODUCTION

Section I. GENERAL INFORMATION

1-1. Scope.

a. This technical manual contains instructions for operation, organizational maintenance, and direct and general support maintenance of the Generator Set: Gasoline Engine Driven, 4.2 Kilowatt, 150 Amperes, 28 Volt, Direct Current (Model DC 4.2 -ORD/28), see figure 1-1 or 1-1.1. The instructions for direct support maintenance disassembly, cleaning, inspection, repair and assembly of the starter-generator are also used to repair starter-generator 12345177 (19207).

b. This equipment is provided as a Generator Set for:

(1) Carrier, Command Post, Light, Tracked, M577-2320-856-6624.

(2) Carrier, Command Post, Light, Tracked, M577A1-2320-056-6808.

The equipment also serves as a Starter-Generator for Carrier, Guided Missile Equipment, Self-Propelled, XM730-1450-930-8749 starter generator 12345177 is used in the Auxiliary Power Unit (P/N 12344934, NSN 2390-01-268-8229) for the M1/M1A1 Tank.

c. This manual is used for Generator Set, Serial numbers 929-001 thru 929-290 and 923-001 thru 923-553. Some figures are repeated using a .1 suffix following the original figure number. Where this occurs, the suffixed figure refers only to sets serial numbered 929-001 thru 929-290, whereas the non-suffixed corresponding numbered figure refers to sets serial numbered 923-001 thru 923-553. When a figure is unrepeated so only the non-suffixed figure appears, these figures are to be used for all sets.

1-2. 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).

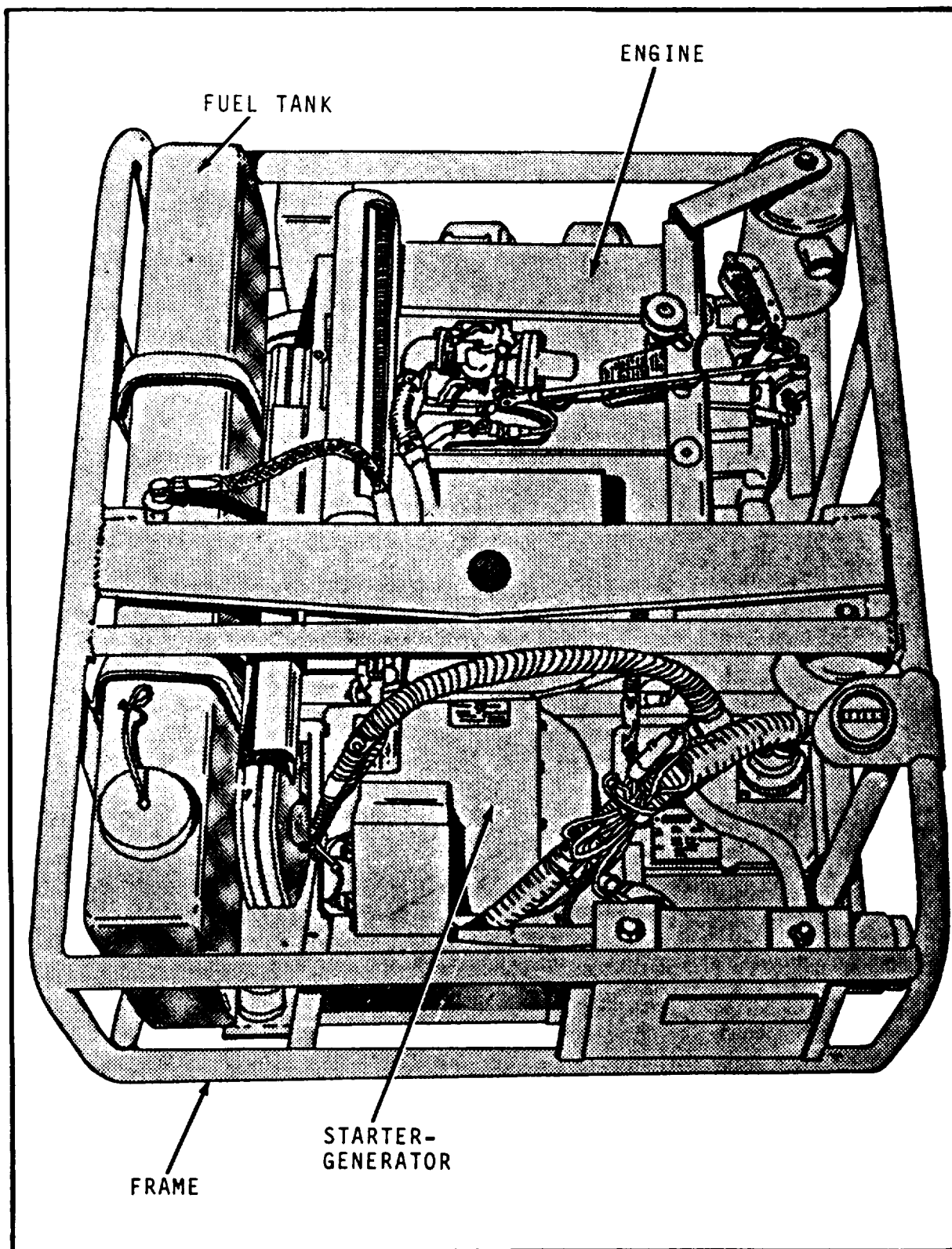


Figure 1-1. Generator set, 4.2 KW.
(Generator Sets serial numbers 923-001 thru 923-553)