

**OPERATOR'S AND ORGANIZATIONAL
MAINTENANCE MANUAL**

**LUBRICATING AND SERVICING
UNIT, POWER OPERATED, SKID
MOUNTED, 16 CFM COMPRESSOR
RECIPROCATING, POWER
DRIVEN, WINTERIZED**

**(GRAY MODEL 250-530 W/ONAN ENGINE
MODEL ACK-MF/515D) (FSN 4930-620-0906)**

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

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**LUBRICATING AND SERVICING UNIT, POWER OPERATED, SKID MOUNTED, 16 CFM COMPRESSOR,
RECIPROCATING, POWER DRIVEN, WINTERIZED (GRAY MODEL 250-530 WITH ONAN
ENGINE MODEL ACK-MF/515D) (FSN 4930-620-0906)**

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CHAPTER 1 INTRODUCTION

Section I. GENERAL

1. Scope

a. These instructions are published for the use of the personnel to whom the Gray model 250-530 lubricating and servicing unit is issued. They contain information on the operation, lubrication, and daily, biweekly, and bimonthly preventive maintenance service of the equipment and its accessories and attachments. It also provides information on shipment and limited storage.

b. Appendix I contains a list of current references. Appendix II contains the maintenance allocation charts. Appendix III lists the basic issue items authorized for use by operator of the equipment and references availability of repair parts for organizational maintenance as listed in TM 5-4930-202-12P.

c. Request any recommendations for changes, additions, deletions and other corrections for the improvement of this manual be forwarded by letter to The Commanding General, U. S. Army Engineer Maintenance Center, Corps of Engineers, P. O. Box 119, Columbus 16, Ohio, ATTN: EMCJM.

2. Record and Report Forms

The following record and report forms are to be used by the operator and organizational personnel for recording and reporting maintenance operations.

a. Operator.

- (1) Standard Form 46 (U. S. Government Motor Vehicle Operator's Identification Card).
- (2) DD Form 110 (Vehicle and Equipment Operational Record).

- (3) DA AGO Form 518 (Accident Identification Card).
- (4) Standard Form 91 (Operator's Report of Motor Vehicle Accident).
- (5) DA Form 2028 (Recommended Changes to DA Technical Manual Parts Lists of Supply Manual 7, 8, or 9).

b. Organizational Personnel.

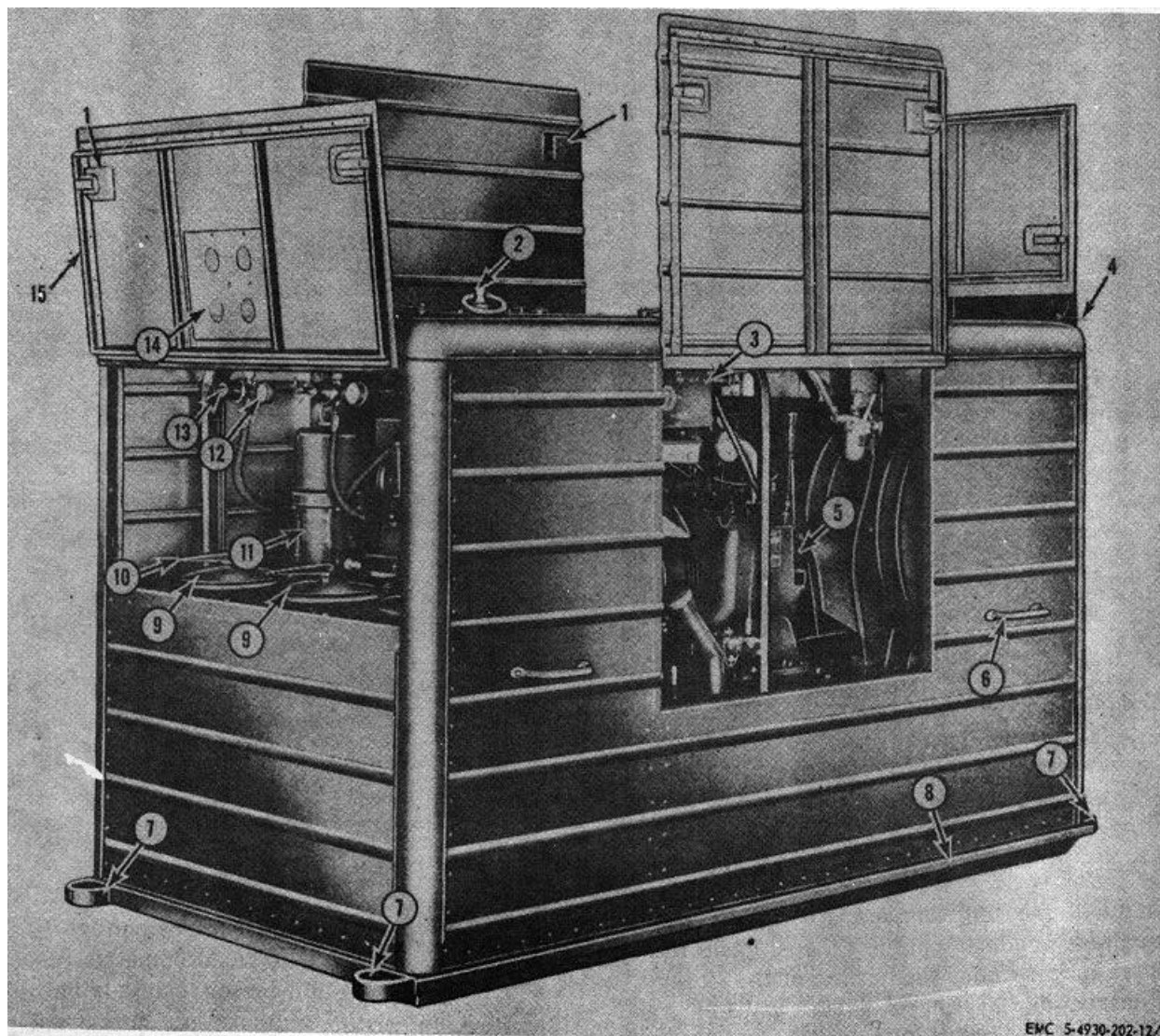
- (1) DA Form 5-22 (Unserviceable Part Identification Tag).
- (2) DA Form 5-53 (Equipment Record).
- (3) DA Form 9-79 (Parts Requisition).
- (4) DA Form 285 (Accident) report of individual accident.
- (5) DA Form 460 (Preventive Maintenance Roster).
- (6) DA Form 464 (Work Sheet for Preventive Maintenance and Technical Inspection of Engineer Equipment).
- (7) DA Form 468 (Unsatisfactory Equipment Report).
- (8) DA Form 478 (Organizational Equipment File).
- (9) DA Form 811 (Work Request, and Job Order).
- (10) DA Form 1115 (Property Turn-in Tag for Direct Exchange).
- (11) DA Form 1546 (Request for Issue and Turn-in Slip).
- (12) DA Form 1543 (Title Insert, for Informal Accountability).
- (13) DD Form 6 (Report of Damaged or Improper Shipment).
- (14) DD Form 362 (Statement of Charges for Government Property Lost, Damaged, or Destroyed).

Section II. DESCRIPTION AND DATA

3. Description

The Gray model 250-530 lubricating and servicing unit (figures 1 and 2) is self-contained, gasoline-powered, and equipped for heavy-duty servicing. Air operated pumps provide delivery of lubricant and motor oil from the storage tanks through reel mounted hose assemblies (19, fig. 2) directly to bearings and gearcases. The unit

is winterized for below freezing temperatures. A space heater (6) maintains proper lubricant viscosity at low temperatures. The lubricant container consists of three steel compartments for storing gear lubricant, engine oil, and grease. A heat duct directs the fresh air output of the space heater into the center compartment heat chamber for heating grease and oil in the compartment



- | | | | | | |
|---|----------------------|----|-------------------|----|----------------------------|
| 1 | Inclosed door latch | 6 | Hand lift handle | 11 | Low-pressure pump |
| 2 | Inclosure lift ring | 7 | Tie-down rings | 12 | Air pressure gage |
| 3 | Engine control panel | 8 | Skid (2 rqr) | 13 | Air regulator valve |
| 4 | Door lock | 9 | Tank fill cover | 14 | Louver |
| 5 | Engine | 10 | Fill cover handle | 15 | Inclosure pump access door |

Figure 1. Lubricating unit, right three-quarter view.