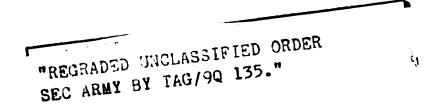
TM 9-1768C

WAR DEPARTMENT TECHNICAL MANUAL

ORDNANCE MAINTENANCE

45-TON, 12-WHEEL (12dt)
TRAILER M9,
COMPONENT OF 45-TON
TANK TRANSPORTER
TRUCK-TRAILER M19



WAR DEPARTMENT

25 MAY 1945

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WAR DEPARTMENT TECHNICAL MANUAL TM 9-1768C

This TM, together with TM 9-768, dated 25 October 1944; and SNL G-159, dated 20 August 1944, supersedes TM 10-1242, dated 15 August 1942; TM 10-1242 (revised), dated 15 February 1944; and TM 10-1322, dated 3 November 1941.

ORDNANCE MAINTENANCE

45-TON, 12-WHEEL (12dt) TRAILER M9, COMPONENT OF 45-TON TANK TRANSPORTER TRUCK-TRAILER M19



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WAR DEPARTMENT

Washington 25, D. C., 25 May 1945

TM 9-1768C, Ordnance Maintenance: 45-ton, 12-wheel (12dt) Trailer M9, Component of 45-ton Tank Transporter Truck-trailer M19, is published for the information and guidance of all concerned.

A.G. 300.7 (18 Apr 45) O.O.M. 461/Rar. Ars. (5-25-45)

By ORDER OF THE SECRETARY OF WAR:

G. C. MARSHALL, Chief of Staff.

Official:

J. A. ULIO,

Major General,

The Adjutant General.

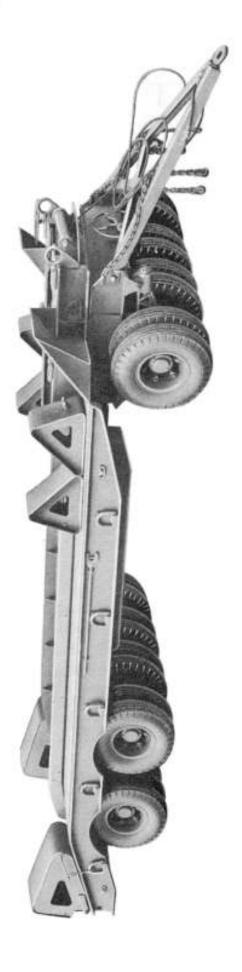
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(Refer to FM 21-6 for explanation of distribution formula.)

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Section I

INTRODUCTION

1. SCOPE.

- a. These instructions are published for information and guidance of personnel responsible for third and higher echelons of maintenance on the 45-ton, 12-wheel (12dt) Trailer M9. They contain information on maintenance which is beyond the scope of the tools, equipment, or supplies normally available to using organizations. This manual does not contain information which is intended primarily for the using arm, since such information is available to ordnance maintenance personnel in 100-series TM's or FM's.
- b. This manual contains a description of, and procedure for disassembly, inspection, and repair of the frame, suspension, and brake system, components beyond the extent to which these components are covered in TM 9-768 and TM 9-1827A.
- c. TM 9-768 contains instructions for the information and guidance of the personnel responsible for first and second echelons of maintenance on the 45-ton, 12-wheel (12dt) Trailer M9.
- d. TM 9-1827A contains instructions for the disassembly, inspection, and repair of the brake system cylinders, diaphragm chambers, relay-emergency valve, and slack adjusters used on this vehicle.

2. RECORDS.

- a. Forms and records applicable for use in performing prescribed operations are listed below with a brief explanation of each:
- (1) WAR DEPARTMENT LUBRICATION ORDER. War Department Lubrication Order No. 9-768-1 prescribes lubrication maintenance for this vehicle. A lubrication order is issued with each vehicle and is to be carried with it at all times. Instructions on the order are binding on all echelons of maintenance and there shall be no deviations.
- (2) W.D., A.G.O. FORM No. 461, PREVENTIVE MAINTENANCE SERVICE AND TECHNICAL INSPECTION WORK SHEET FOR WHEELED AND HALF-TRACK VEHICLES. This form will be used for all monthly and semiannual maintenance services and all technical inspections performed on wheeled or half-track vehicles.
- (3) W.D., A.G.O. FORM 468, UNSATISFACTORY EQUIPMENT RE PORT. This form will be used for reporting manufacturing, design,

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or operational defects in materiel with a view to improving and correcting such defects, and for use in recommending modifications on materiel. This form will not be used for reporting failures, isolated materiel defects, or malfunctions of materiel resulting from fair wear and tear, or accidental damage; nor for the replacement, repair, or the issue of parts and equipment. It does not replace currently authorized operational or performance records.

- (4) W.D., A.G.O. FORM No. 478, MWO AND MAJOR UNIT ASSEMBLY REPLACEMENT RECORD. This form, carried with the vehicle, will be used by all personnel completing a modification or major unit assembly (engine, transmission, transfer case, tracks, etc.) replacement to record clearly the description of work completed, date, vehicle hours, and/or mileage, and MWO number or nomenclature of unit assembly. Personnel performing the operation will initial in the column provided. Minor repairs, parts, and accessory replacements will not be recorded.
- (5) W.D., A.G.O. FORM No. 10-144 (TALLY SHEET, INCOMING). This form may be used to record all incoming materials or supplies pending negotiation of a final voucher. It may also be used in exchanging vehicles, parts, or tools, or in lieu of shipping ticket.
- (6) W.D., A.G.O. FORM No. 10-145 (TALLY SHEET, OUTGOING). This form may be used to record all outgoing materials or supplies pending negotiation of the final voucher. It may also be used in exchanging vehicles, parts, or tools, or in lieu of shipping ticket.
- (7) W.D., A.G.O. FORM No. 9-71 (LOCATOR AND INVENTORY CONTROL CARD). This form may be used as a bin tag, locator card, or inventory control card in maintaining spare parts stocks. This form is for tactical units only.
- (8) W.D., A.G.O. FORM No. 9-76 (REQUEST FOR JOB ORDER). This form may be used by any officer or authorized person requiring production, repair, alteration, inspection, or any other type of work from another organization, department, or echelon. Not required for second or third echelon repairs.
- (9) W.D., A.G.O. FORM No. 9-77 (JOB ORDER REGISTER). This form will be prepared, when job orders are used, in single copy only, by service echelons to furnish a chronological order and record of job order numbers and related information.
- (10) W.D., A.G.O. FORM No. 9-78 (JOB ORDER). This form, properly executed, may be used as an authority for work. No work

Description

of any nature will be performed in a service echelon shop keeping a cost-accounting type record system without a properly authenticated job order.

- (11) W.D., A.G.O. FORM No. 9-79 (PARTS REQUISITION). This form will be used as an interdepartmental shop requisition to request parts where job orders are required.
- (12) W.D., A.G.O. FORM No. 9-80 (JOB ORDER FILE). This folder may be used to hold under one cover all shop papers and records incident to a particular job order, or to a particular vehicle.
- (13) W.D., A.G.O. FORM No. 9-81 (EXCHANGE PART OR UNIT IDENTIFICATION TAG). This tag, properly executed, may be used when exchanging unserviceable items for like serviceable assemblies, subassemblies, parts, vehicles, and tools.

Section II

DESCRIPTION

3. DESCRIPTION.

- a. General. The 45-ton, 12-wheel (12dt) Trailer M9 is a platform-type trailer consisting of the main frame assembly which forms the main portion of the vehicle, and the gear frame assembly which is fundamentally a dolly to form the front suspension assembly of the vehicle. The rear end of the trailer slopes down so that two hinged ramps may be used to facilitate rear loading of heavy tank-like vehicles. A compressed air service brake system is designed to be operated from the towing vehicle. Manual controls and linkage are designed for mechanical application of the brakes to secure the vehicle while parking.
- b. Main Frame Assembly. The main frame assembly forms the track guides and load bed or runways of the trailer (fig. 2). It is supported at the rear by two tandem axle and trunnion assemblies which are bracket-mounted to the main frame assembly. Sheaves and cable rollers to facilitate the winch loading of disabled vehicles, tool, and equipment compartment, upper fifth wheel plate, and brake operating components comprise the remainder of the main frame assembly.

Description

