

TM 9-895

WAR DEPARTMENT TECHNICAL MANUAL

SEMITRAILER, VAN, 11-TON PAYLOAD, 15-TON GROSS, 2-WHEEL (2dt) (Kentucky)

RESTRICTED DISSEMINATION OF RESTRICTED MATTER—

The information contained in restricted documents, and the essential characteristics of restricted materiel may be given to any person known to be in the service of the United States and to persons of undoubted loyalty and discretion who are cooperating in Government work, but will not be communicated to the public or to the press except by authorized military public relations agencies. (See also paragraph 23 b, AR 380-5, 15 March 1944.)

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WAR DEPARTMENT
Washington, D. C., 29 September 1944

TM 9-895, Semitrailer, Van, 11-ton Payload, 15-ton Gross, 2-wheel (2dt), (Kentucky), is published for the information and guidance of all concerned.

[A.G. 300.7 (25 Sept 44)]

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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PART ONE—INTRODUCTION**Section I****GENERAL****1. SCOPE.**

a. These instructions* are published for information and guidance of all concerned. They contain information on operation and maintenance of the equipment as well as descriptions of major units and their functions in relation to other components of this vehicle. They apply to 11-ton Payload, 15-ton Gross, 2-wheel (2dt), Van Semitrailer (Kentucky Manufacturing Company, Model C) and are arranged in four parts; Part One, Introduction; Part Two, Operating Instructions; Part Three, Maintenance Instructions; Part Four, Auxiliary Equipment.

b. The appendix at the end of the manual contains instructions for shipment and limited storage, and a list of references including standard nomenclature lists, technical manuals, and other publications applicable to the vehicle.

c. The stock and part numbers which appear throughout the manual are extracted from ORD 7, SNL G-706.

2. RECORDS.

a. Forms and records applicable for use in performing prescribed operations are listed below with a brief explanation of each:

(1) W.D., A.G.O. FORM NO. 7360, ARMY MOTOR VEHICLE OPERATOR'S PERMIT. This form will be issued by commanding officers of posts, camps, stations, or organizations, to all operators of military vehicles who have passed the driver's examination (TM 21-300) and are qualified to drive the particular vehicles noted on the permit.

(2) WAR DEPARTMENT LUBRICATION ORDER. War Department Lubrication Order No. 721 prescribes lubrication maintenance for this vehicle. A Lubrication Order is issued with each vehicle and is to be carried with it at all times.

(3) STANDARD FORM NO. 26, DRIVER'S REPORT—ACCIDENT, MOTOR TRANSPORTATION. One copy of this form will be kept with the vehicle at all times. In case of an accident resulting in injury or property damage, it will be filled out by the driver on the spot, or as promptly as practical thereafter.

(4) WAR DEPARTMENT FORM NO. 48, DRIVER'S TRIP TICKET AND PREVENTIVE MAINTENANCE SERVICE RECORD. This form, properly executed, will be furnished to the driver when his vehicle is dispatched on nontactical missions. The driver and the official user of the vehicle

*To provide operating instructions with the materiel, this technical manual has been published in advance of complete technical review. Any errors or omissions will be corrected by changes or, if extensive, by an early revision.

General

will complete in detail appropriate parts of this form. These forms need not be issued for vehicles in convoy or on tactical missions. The reverse side of this form contains the driver's daily and weekly preventive maintenance service reminder schedule.

(5) **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 replacing major unit assembly (axle, body, landing gear, 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.

(6) **W.D., A.G.O. FORM No. 6, DUTY ROSTER.** This form, slightly modified, will be used for scheduling and maintaining a record of vehicle maintenance operations. It may be used for lubrication records.

(7) **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 1,000-miles (monthly) and 6,000-mile (semi-annual) maintenance services and all technical inspections performed on wheeled or half-track vehicles.

(8) **W.D., A.G.O. FORM No. 7353, SPOT-CHECK INSPECTION REPORT FOR ALL MOTOR VEHICLES.** This form may be used by all commanding officers or their staff representatives in making spot-check inspections on all vehicles.

(9) **W.D., A.G.O. FORM 468, UNSATISFACTORY EQUIPMENT RECORD.** This form will be used for reporting manufacturing design, 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.

(10) **W.D., O.O. FORM No. 7370, EXCHANGE PART OR UNIT IDENTIFICATION TAG.** This tag, properly executed, may be used when exchanging unserviceable items for like serviceable assemblies, parts, vehicles, and tools.

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Section II

DESCRIPTION AND DATA**3. DESCRIPTION.**

a. General. This semitrailer, having a van-type body, is designed to transport cargo (figs. 1, 2 and 3). The semitrailer can be operated in conjunction with any towing vehicle of sufficient capacity (par. 4) equipped with a conventional semiautomatic fifth wheel. This vehicle is not equipped with hand brakes, but is provided with chock blocks for use as a safety measure when the vehicle is uncoupled from the towing vehicle. A spare wheel and tire carrier is attached beneath the right-hand frame member. A retractable landing gear is attached to the frame at the point of the frame drop, or offset, and is actuated by a worm screw and miter gear which is operated by the hand crank located on the right side of the frame. The body is constructed of wood and metal, permanently mounted on the frame, and is equipped with a tailgate with double doors above. The frame is carried on a tubular axle and slip end, semielliptical springs. The axle beam is held in alinement by means of adjustable radius rods. A fifth wheel upper plate and kingpin, and electric and air brake couplings are furnished for connecting semitrailer to the towing vehicle.

4. TABULATED DATA.**a. Specifications.**

Length, over-all	340 in.
Length, inside van	336 in.
Width, over-all	96 in.
Width, inside van	89 ³ / ₄ in.
Height, over-all	131 ¹ / ₁₆ in.
Height, inside van	75 ¹ / ₂ in.
Height, inside to eave	89 ³ / ₄ in.
Height of floor to ground (no load)	50 ³ / ₁₆ in.
Height at fifth wheel plate (uncoupled)	42 ¹ / ₁₆ in.

GROUND CLEARANCE:

Under axle	16 ⁷ / ₈ in.
Under chassis at bottom of truss	27 ¹ / ₁₆ in.
Kingpin to center line of axle	249 ¹ / ₂ in.

TIRES:

Size	10.00 x 20 in.
Inflation pressure	70 lb
Number of plies	12
Type of tread	Highway
Tire width	10 ³ / ₄ in.
Track width (center-to-center)	70 in.

Description and Data**WEIGHTS:**

Empty (curb weight)	8,000 lb
Chassis weight	4,200 lb
Body weight	3,800 lb
Payload weight	22,000 lb
Gross weight	30,000 lb

WEIGHT DISTRIBUTION (empty):

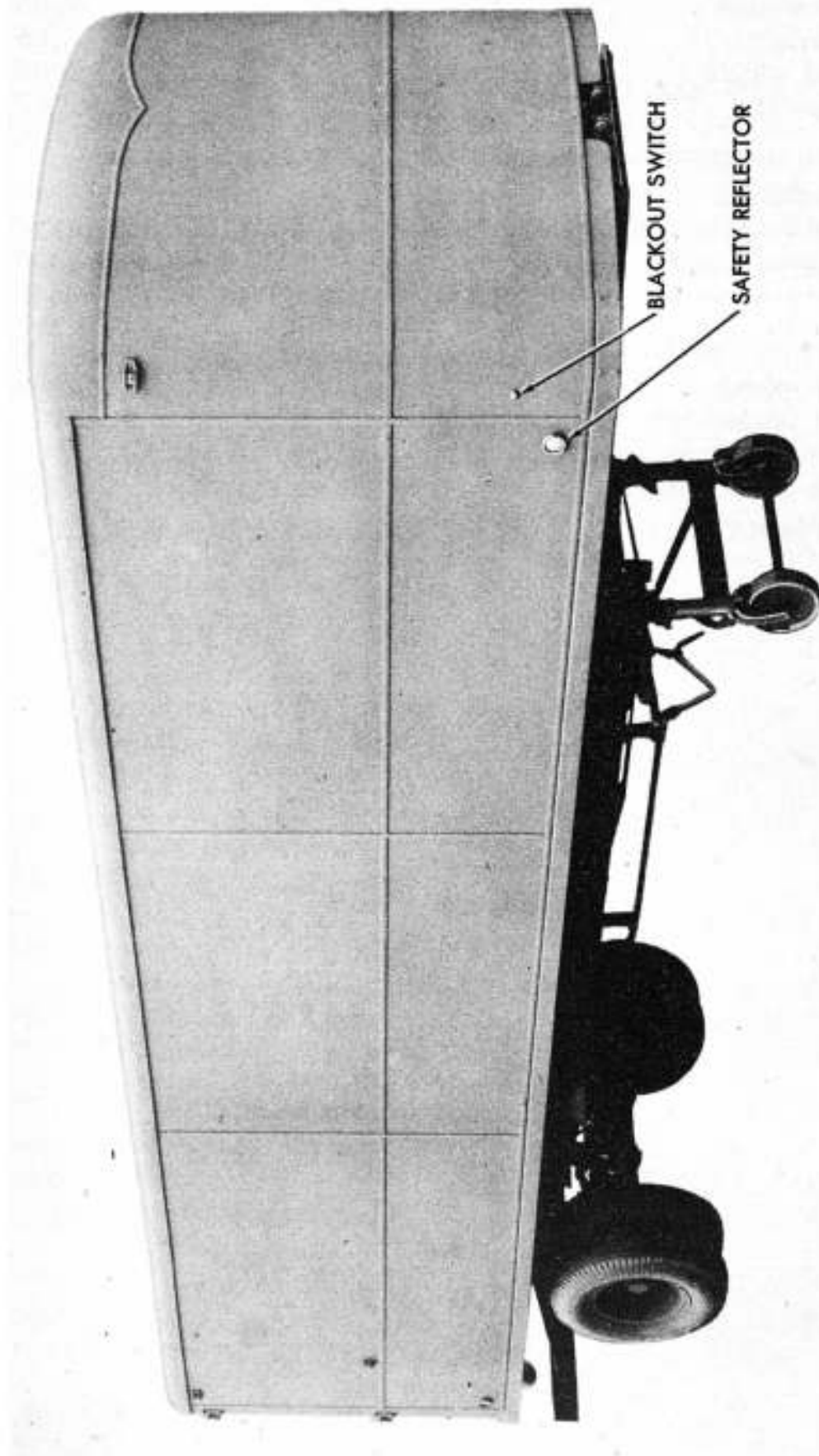
On fifth wheel	2,880 lb
On axle (vehicle supported by fifth wheel)	5,120 lb
On support wheels	3,490 lb
On axle (vehicle supported by support wheels)	4,510 lb

WEIGHT DISTRIBUTION (loaded):

On fifth wheel	13,000 lb
On axle (supported by fifth wheel)	17,000 lb
On support wheels	16,000 lb
On axle	13,900 lb

SPRING DEFLECTION: 2½ in.

Towing facility (front) Kingpin



RA PD 341324

Figure 1—11-ton Payload, 15-ton Gross, 2-wheel (2dt) Van Semitrailer, Right Front