

TM 9-817

WAR DEPARTMENT TECHNICAL MANUAL

5- to 6-Ton 4 x 4 Ponton Tractor Truck (Autocar Model U8144T)

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4 x 4 Ponton Tractor Truck
(Autocar Model U8144T)



WAR DEPARTMENT
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TM 9-817, 5- to 6-Ton 4x4 Ponton Tractor Truck (Autocar Model U8144T), is published for the information and guidance of all concerned.

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The Adjutant General.

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(For explanation of symbol, see FM 21-6.)

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★This manual supersedes all pertinent information from TB ORD 20, dated 24 January 1944, and TB 800-21, dated 30 November 1943. This manual, together with TM 9-1817 and TM 9-1832A, supersedes TM 10-1497, dated 1 July 1942.

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PART ONE — VEHICLE OPERATING INSTRUCTIONS

Section I

INTRODUCTION

1. SCOPE.*

a. This technical manual is published for the information and guidance of the using arm personnel charged with the operation and maintenance of this materiel.

b. In addition to the description of the 5- to 6-ton, 4 x 4, Ponton Tractor Truck (Autocar Model U8144T), this manual contains technical information required for the identification, use, and care of the materiel. This manual is divided into two parts. Part One, section I through section VIII, contains vehicle operating instructions. Part Two, section IX through section XXXVIII contains vehicle maintenance instructions for using arm personnel charged with the responsibility of doing maintenance work within their jurisdiction. Part Two, section XXXVIII, contains instructions for shipment and temporary storage. A list of references and an index follow Part Two.

c. In all cases where the nature of the repair, modifications, or adjustment is beyond the scope or facilities of the unit, the responsible ordnance service should be informed so that trained personnel with suitable tools and equipment may be provided, or proper instruction issued.

Section II

DESCRIPTION AND TABULATED DATA

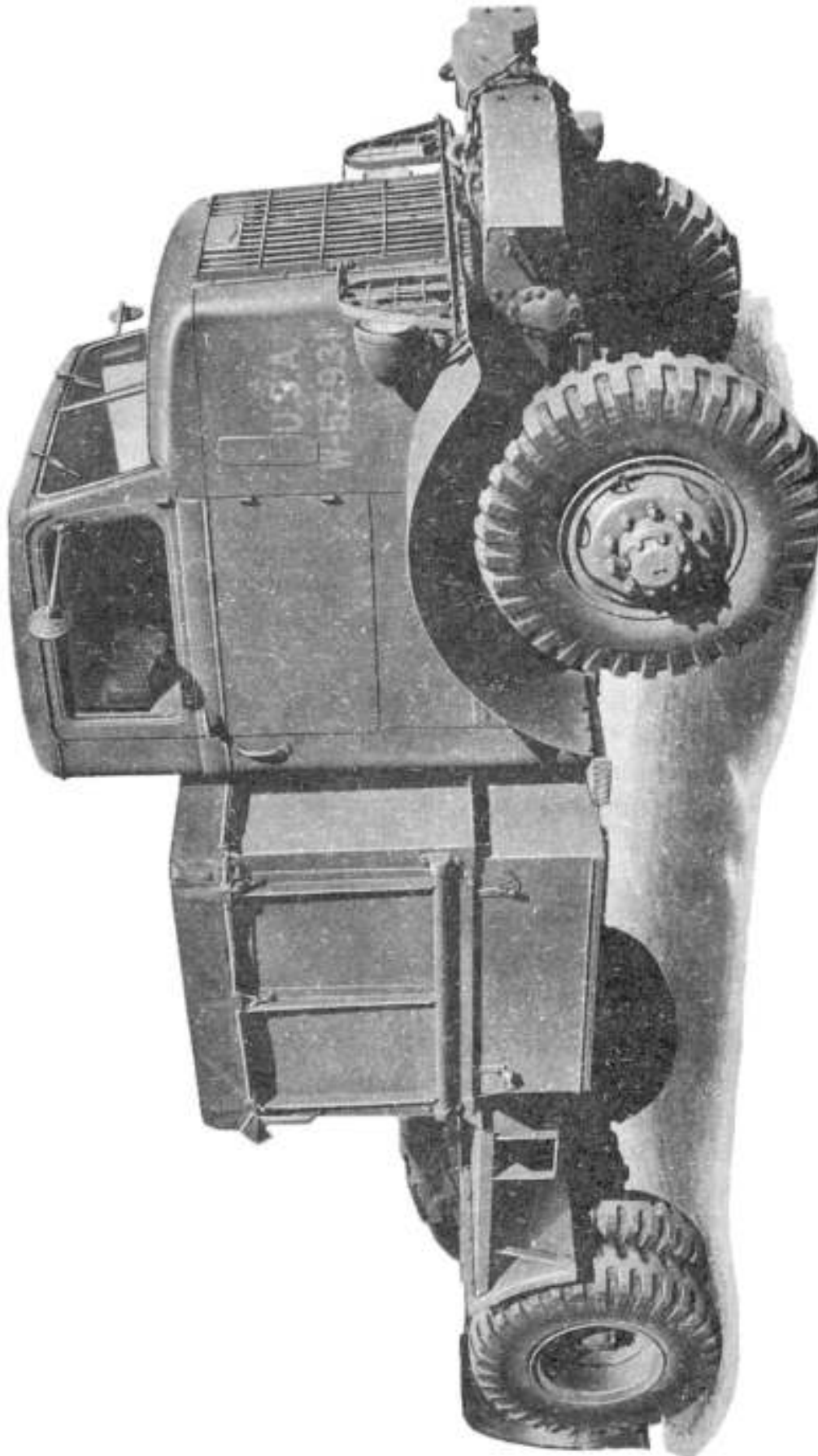
2. DESCRIPTION.

a. This vehicle is equipped with a fifth wheel for towing a semi-trailer, and pintle for towing full trailer. The truck is a cab-over-engine, open-cab (closed-cab on some models) type vehicle powered by a Hercules, 6-cylinder, model RXC engine. A four-wheel drive system of power transmission permits the use of the front wheel drive, when needed. An all-steel ponton body, with doors opening on each side of the truck, is mounted on the frame directly behind the cab. The single spare tire is mounted on the back of the ponton body. The trailer air connection, the trailer electrical connection, and also two emergency fuel containers are mounted directly back of the ponton

*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.

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5- TO 6-TON 4 x 4 PONTON TRACTOR TRUCK (AUTOCAR MODEL U8144T)



RA PD 322126

Figure 1 — 5- to 6-ton, 4 x 4, Ponton, Tractor Truck (Closed Cab) — Front Side View — Right Side

DESCRIPTION AND TABULATED DATA

RA PD 321945

**Figure 2 — 5- to 6-ton, 4 x 4, Ponton, Tractor Truck (Open Cab) —
Front Side View — Right Side**



RA PD 321946

**Figure 3 — 5- to 6-ton, 4 x 4, Ponton, Tractor Truck (Open Cab) —
Rear Side View — Left Side**

body. A steel platform is mounted over the frame between the ponton body and the rear dual wheels. The fifth wheel, which is used for connecting the trailer, is mounted on the frame, above the rear axle. A 60-gallon and a 30-gallon fuel tank are mounted at frame height on

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the left side of the truck. At the corresponding position below the ponton body, and on the right side of the frame, is the tool storage box. A slightly sloping, vertical bar—protective radiator brush guard—gives the truck a massive front appearance.

3. DIFFERENCES AMONG MODELS.

a. Vehicles have either an open cab or closed cab. On the closed-cab models, the spotlight is located outside and above the rear window. On the open-cab models, the spotlight is located on the left outside panel of the cab. The winch is not included on some models.

b. **Winch.** The winch, with cable, is mounted on the front when supplied with vehicle. The winch is not supplied with all vehicles.

4. DATA.**a. Vehicle Specifications.**

Make	Autocar
Truck, model No.	U8144T
Wheelbase	263½ in.
Length, over-all	20 ft, 6½ in.
Width, over-all	8 ft, 1½ in.
Height, over-all (closed cab)	9 ft, 2½ in.
Height, over-all (open cab)	9 ft, 6¾ in.
Reducible to	7 ft, 6 in.
Back of cab to center line of rear axle	9 ft, 11 in.
Back of cab to end of frame	12 ft, 6 in.
Inside body, length (closed cab)	3 ft, 10½ in.
Inside body, width (closed cab)	7 ft, 6 in.
Panel height	3 ft, 1 in.
Wheel Size:	
Tire size	12.00 x 20
Tire type	14-ply, bus-balloon
Tire tread	Mud and snow
Tread (center-to-center) front	5 ft, 11¾ in.
Tread (center-to-center) rear	6 ft, ¼ in.
Width between inside of inside rear tires or track	3 ft, 11 in.
Width between outside of outside rear tires or track	8 ft, 1½ in.
Crew	2
Weight of vehicle — empty (closed cab)	16,600 lb
Weight of vehicle — empty (open cab)	16,100 lb