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TM 9-743

WAR DEPARTMENT TECHNICAL MANUAL

**LIGHT ARMORED
CAR M8 AND
ARMORED UTILITY
CAR M20**

WAR DEPARTMENT • 21 FEBRUARY 1944

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This manual supersedes TM 9-743, dated 10 March 1943; TB 743-1, dated 29 November 1943; TB 743-2, dated 13 December 1943; TB 743-3, dated 14 December 1943; TB 743-4, dated 6 January 1944. It also includes pertinent information from TB 700-1, dated 1 January 1942; TB 700-9, dated 1 January 1942; TB 700-20, dated 13 October 1942; TB 700-30, dated 9 January 1943; TB 700-37, dated 4 March 1943; TB 700-43, dated 17 April 1943; TB 700-68, dated 15 June 1943; TB 700-107, dated 15 November 1943; OFSB 6-11, dated 1 November 1943.

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TM 9-743, LIGHT ARMORED CAR M8 AND ARMORED UTILITY CAR M20, is published for the information and guidance of all concerned.

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Chief of Staff.

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

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PART ONE — VEHICLE OPERATING INSTRUCTIONS

Section I

INTRODUCTION

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Scope	1

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 a description of the Light Armored Car M8 and the Armored Utility Car M20, this manual contains technical information required for the identification, use, and care of the materiel. The manual is divided into four parts. Part one, section I through section VIII, contains vehicle operating instructions. Part two, section IX through section XXXII, contains vehicle maintenance instructions for using arm personnel charged with the responsibility of doing maintenance work within their jurisdiction. Part three, section XXXIII, contains operating instructions of the armament. Part four, section XXXIV, contains storage and shipment instructions.

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 instructions issued.

Section II

DESCRIPTION AND TABULATED DATA

	Paragraph
Description	2
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2. DESCRIPTION.

a. The Light Armored Car M8 and the Armored Utility Car M20 are each an armored, 6-wheel (6x6) vehicle powered with a gasoline engine, located in the rear of the hull. The operator steers the vehicle by means of a conventional-type steering wheel. Each vehicle has eight forward speeds and two reverse speeds. The armored cars are wired for radio installation within the car. The armor is $\frac{7}{8}$ -inch thick on the front, and $\frac{3}{8}$ -inch thick on the sides.

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LIGHT ARMORED CAR M8 AND ARMORED UTILITY CAR M20

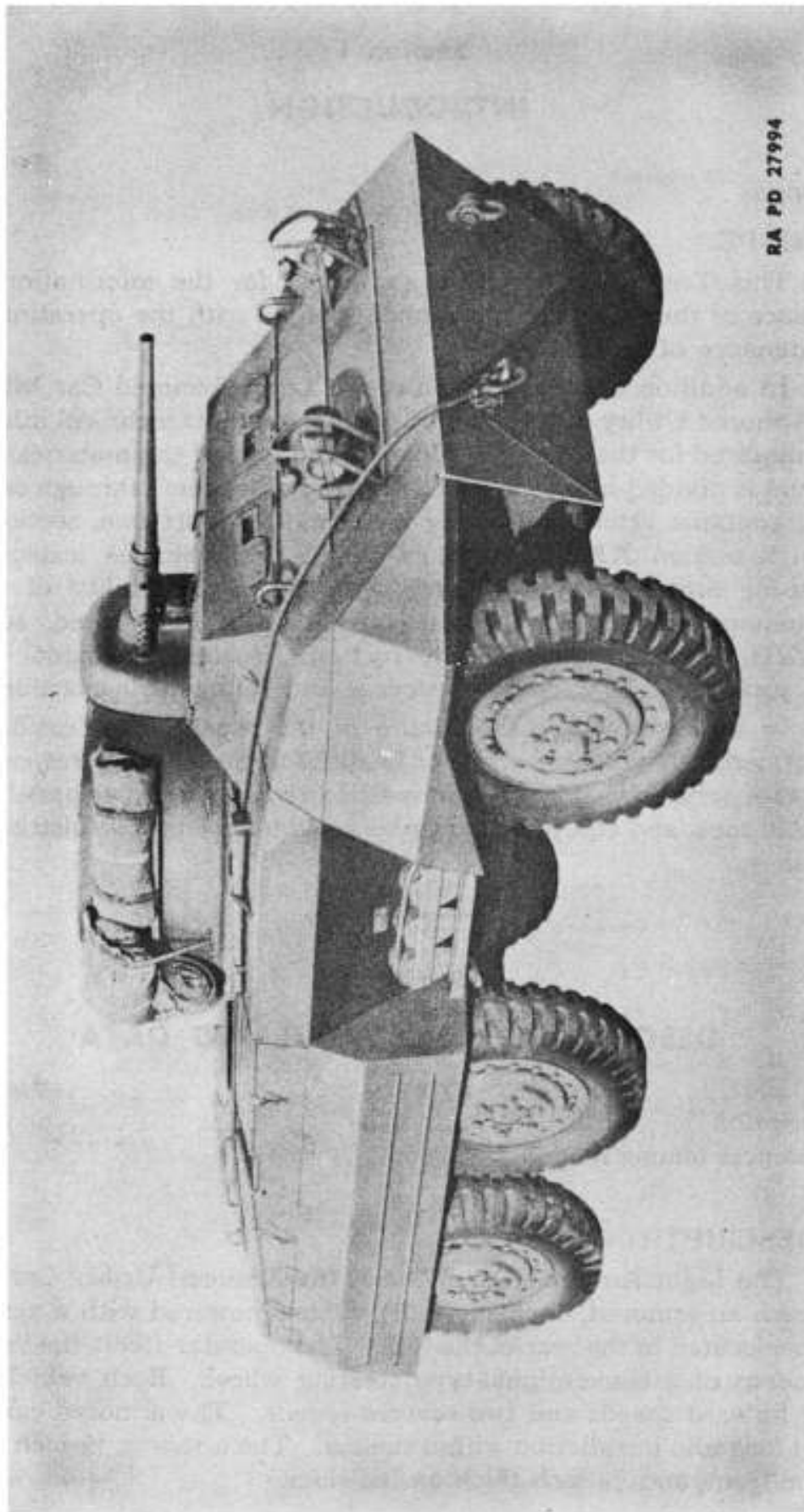
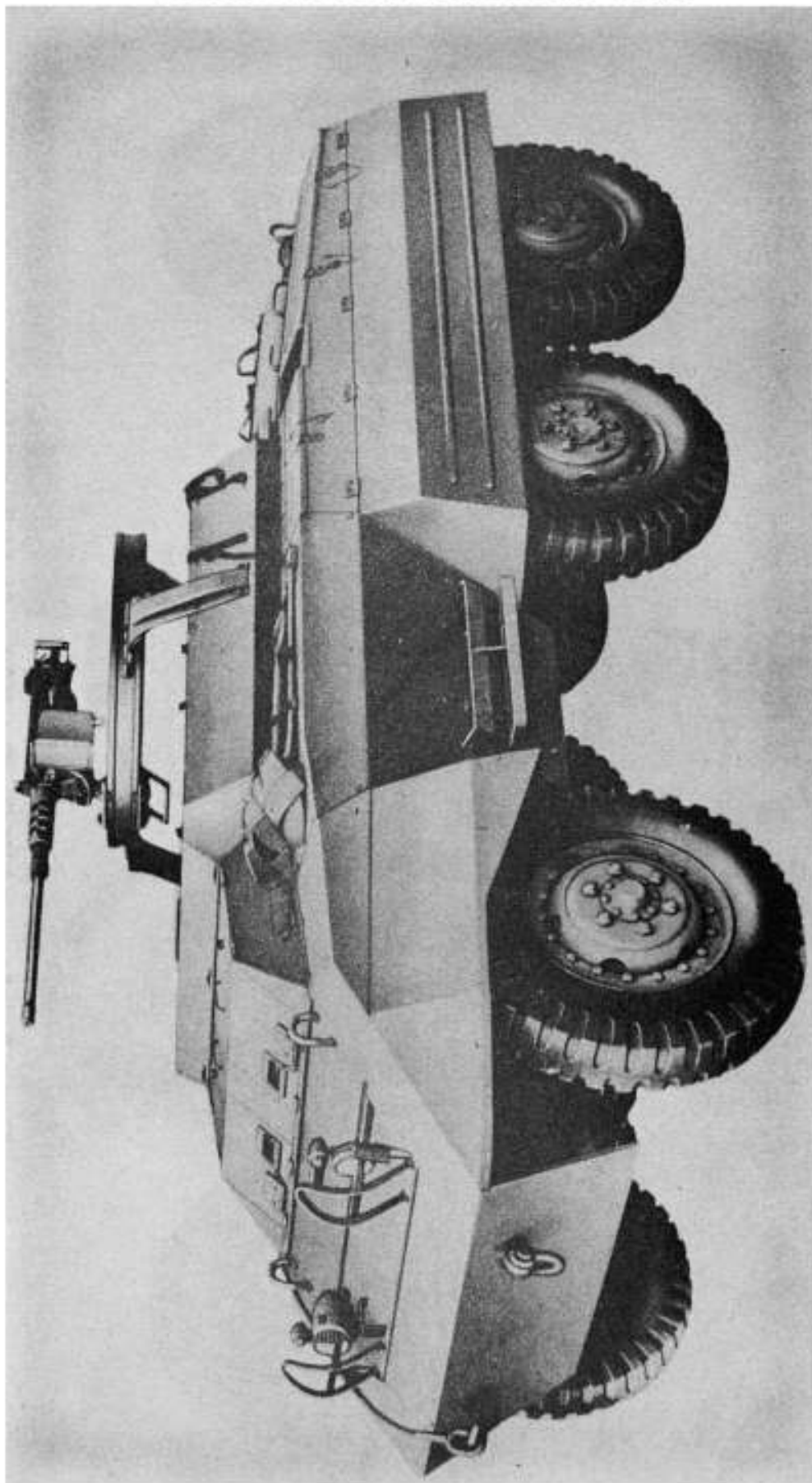


Figure 1 – Light Armored Car M8 – Right Front View

DESCRIPTION AND TABULATED DATA



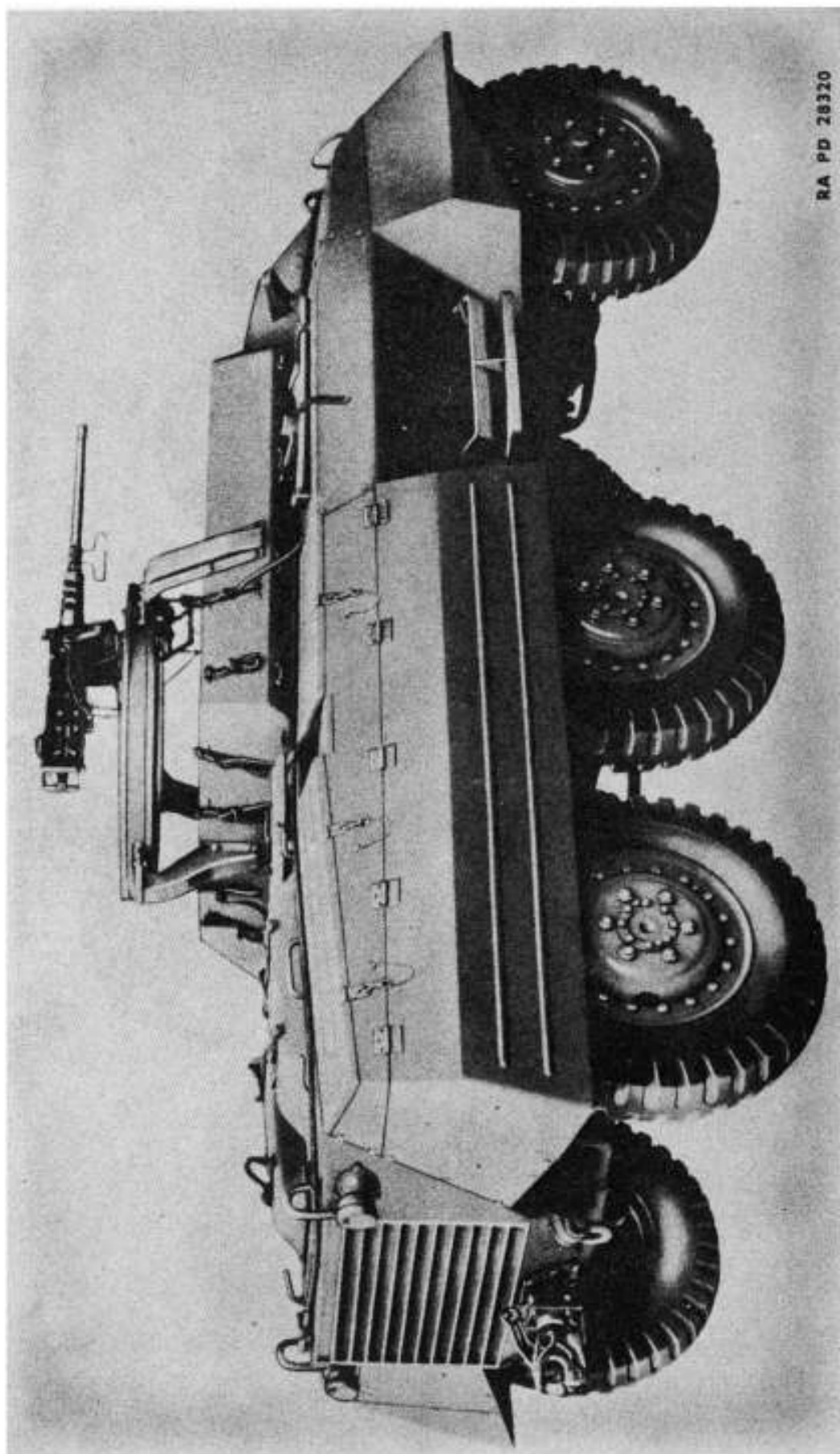
RA PD 28319

Figure 2 — Armored Utility Car M20 — Left Front View

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LIGHT ARMORED CAR M8 AND ARMORED UTILITY CAR M20



RA PD 28320

Figure 3 — Armored Utility Car M20 — Right Rear View