RESTRICTED

WAR DEPARTMENT

TECHNICAL MANUAL

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37-MM GUN MOTOR CARRIAGE M6

NOVEMBER 25, 1942

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RESTRICTED

TECHNICAL MANUAL No. 9-750A

WAR DEPARTMENT Washington, November 25, 1942

37-MM GUN MOTOR CARRIAGE M6

Prepared under the direction of the Chief of Ordnance

(with the cooperation of the Chrysler Corporation)

CONTENTS

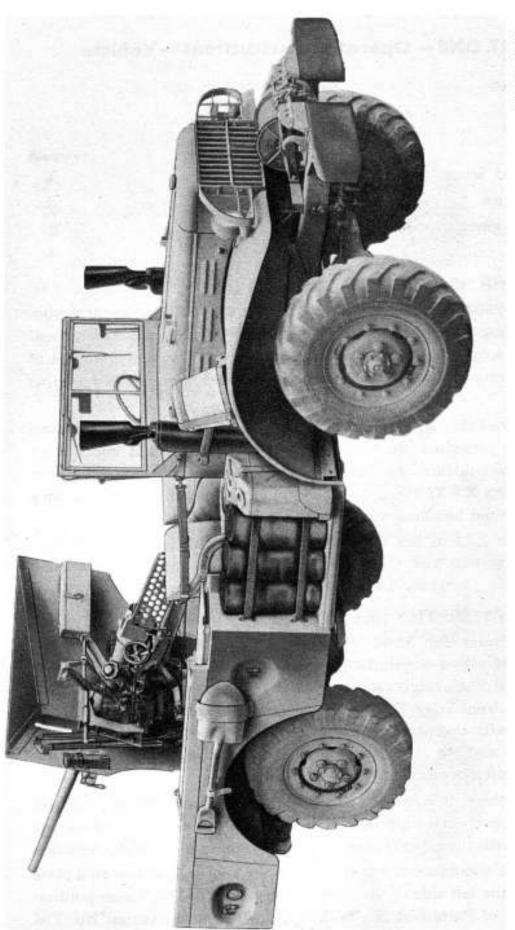
PART ONE—Operating Instructions—Vehicle								
		Paragraphs	roass					
SECTION I	Introduction	1- 4	4- 10					
11	Operation and controls	5- 13	11- 25					
III	Operation of winch	14- 15	26- 28					
IV	Preventive maintenance	16- 18	29- 31					
V.	Lubrication	19- 23	32- 37					
VI	Care and preservation	24- 25	38					
VII	Operation under unusual condi-							
	tions	26- 28	3 - 40					
VIII	Materiel affected by gas	29- 32	41- 43					
PART TWO—Organizational Maintenance Instructions—Vehicle								
IX								
	nance	33- 35	44 - 50					
X	Tools and equipment	36– 39	51- 57					
XI.	Organization spare parts and ac-							
	cessories	40- 41	58					
XII	Engine	42- 56	59- 89					
XIII	Clutch	57- 61	90- 97					
XIV	Fuel system	62- 74	98-16/					
XV.	Exhaust system	75- 82	108-113					
XVI	Cooling system	83- 95	114-124					
XVII	Electrical system	96–119	125-144					
XVIII	Transmission	120-125	145-150					
	,							

37-MM GUN MOTOR CARRIAGE M6

Contents-Cont'd

		Paragraphs	Pages
SECTION XIX.	Transfer case	126-130	151–153
XX.	Propeller shafts and universal		
	joints	131–135	154–155
XXI.	Front axle	136–149	156–174
XXII.	Rear axle	150-157	175-183
XXIII.	Brakes	158-167	184-200
XXIV.	Wheels and tires	168-172	201-209
XXV.	Steering gear	173-178	210-217
XXVI.	Springs and shock absorbers	179-184	218-221
XXVII.	Windshield	185	222-223
XXVIII.	Winch	186-190	224-226
XXIX.	Painting	191–196	227-229
XXX.	Storage and shipment	197-199	230-233
	PART THREE—Armament		
XXXI.		200 202	024 026
	Introduction	200-202	234–236
XXXII.	Description and functioning of	203 204	237–244
XXXIII.	Operation of gun		245–247
XXXIII.			
	Care and preservation		248–254
XXXV.	Inspection and adjustments		255
XXXVI.	Malfunctions and corrections		256–258
XXXVII.	Disassembly and assembly		259–272
XXXVIII.	Sighting equipment (fire control)		273–280
XXXIX.	Ammunition	233–250	281–307
XL.	Articles for instructional pur-		
	poses		308–310
	References	255–257	311–313
Index			314–327

37-MM GUN MOTOR CARRIAGE M6



RA PD 24874

TM 9-750A 1-2

37-MM GUN MOTOR CARRIAGE M6

PART ONE — Operating Instructions — Vehicle

Section I

INTRODUCTION

	Paragraph
Purpose and scope	1
Characteristics	2
Differences among models	3
Data	4

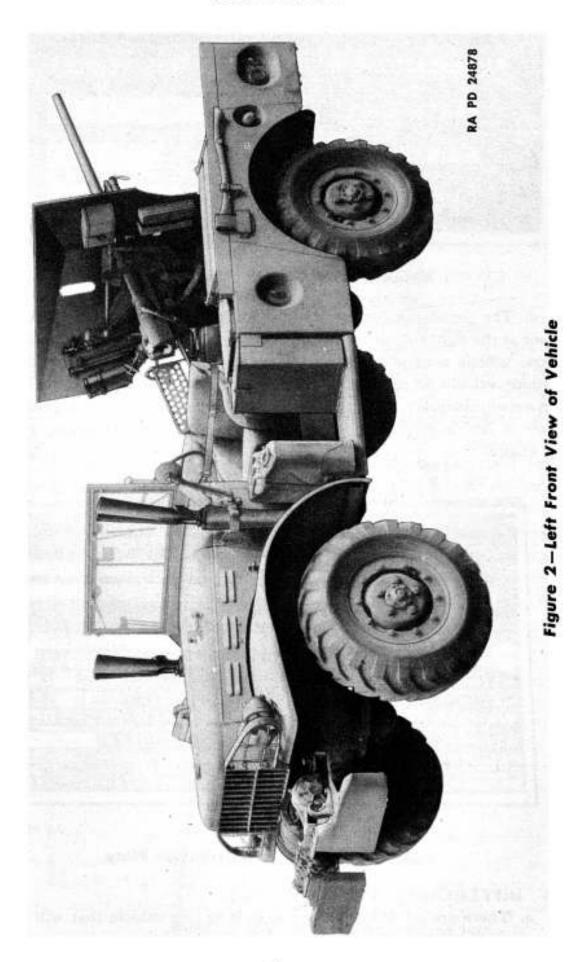
1. PURPOSE AND SCOPE.

- a. TM 9-750A, dated November 25, 1942, is intended to serve temporarily (pending the publication of a revision now in preparation which will be wider in scope) to give information and guidance to the personnel of the using arms charged with the operation and maintenance of this materiel.
- b. Sections I through VIII contain information chiefly for the guidance of operating personnel. Sections IX through XXX contain information chiefly for the guidance of personnel of the using arms doing maintenance work. Sections XXXI through XL contain information for the guidance of the personnel handling armament and ammunition.
- c. Section XLI of this manual lists all standard nomenclature lists, technical manuals, and other publications for the material described herein.

CHARACTERISTICS (figs. 1 and 2).

- a. The 37-mm Gun Motor Carriage M6 is a ¾-ton combat vehicle. It is powered with a 6-cylinder L-head engine and is equipped for 2- or 4-wheel drive. The vehicle can be driven by the rear axle only, or by both the rear and front axles. The rear and front axles are driven by means of propeller shafts operating from the transfer case located between the transmission and the rear axle. The transfer mechanism is driven by a propeller shaft operating from the transmission.
- b. The vehicle is equipped with a 6-volt electrical system which in turn is equipped with suppressors, shielding, and filters that prevent its interfering with the radio transmission and reception of nearby vehicles.
- c. The list of publications that apply to the vehicle is shown on a plate attached to the left side of the instrument panel (fig. 3). These publications consist of Parts List No. SNL G-121, Technical Manual No. TM 9-750A, and Technical Manual No. TM 9-1750A.

INTRODUCTION



TM 9-750A 2-3

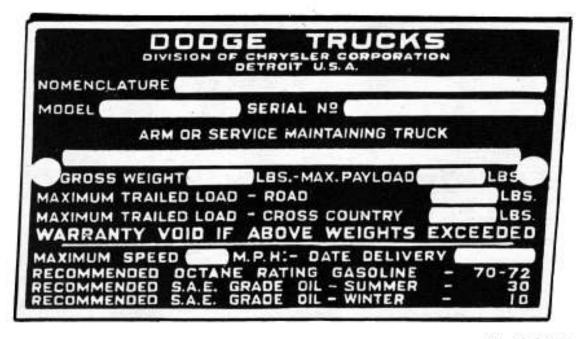
37-MM GUN MOTOR CARRIAGE M6

P	UBL	ICAT	IONS	APPL	YING	TO	THIS	VEHIC	LE
	PA	RTS	LIST	SN	L-				
	MA	INTE	NANC	E MA	NUAL	TN	19-		
	OP	ERA	TORS	MAI	NUAL	TN	19.		14.3

RA PD 24332

Figure 3-Maintenance Number Plate

d. The serial number plate, attached to the package compartment door at the right side of the instrument panel, lists the following information: vehicle nomenclature, model, serial number, arm or service maintaining vehicle, gross weight, maximum pay load, maximum trailed load on a road, maximum trailed load across country, maximum speed, delivery date of vehicle, recommended octane rating of fuel, recommended grades of engine oil for summer and winter operation (fig. 4).



RA PD 24716

Figure 4—Chassis Serial Number Plate

3. DIFFERENCES AMONG MODELS.

a. There are no differences in models of this vehicle that will affect troop use or care.

INTRODUCTION

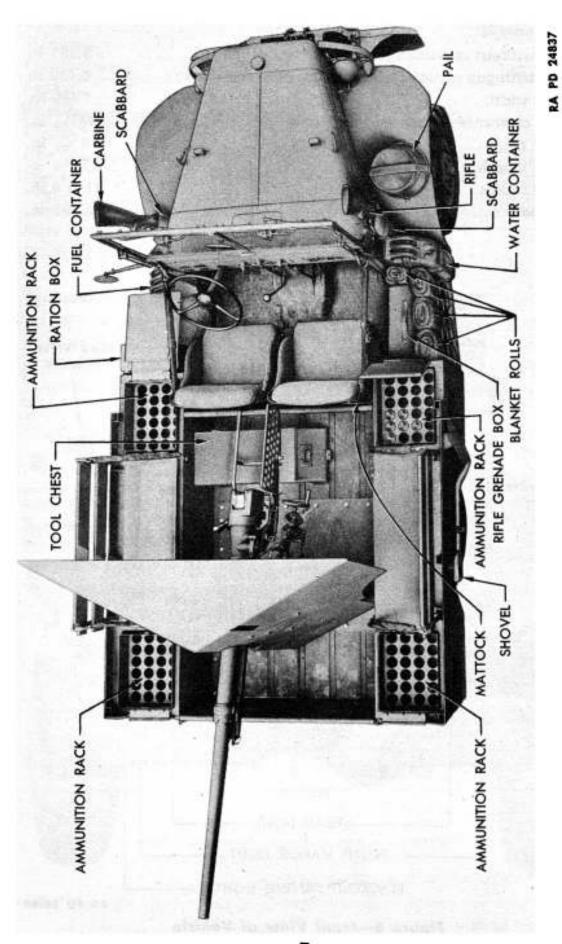


Figure 5-Top View of Vehicle

37-MM GUN MOTOR CARRIAGE M6

4. DATA (figs. 5, 6 and 7).

a. General.

Weight without armament, fuel, and crew	5,385	16
Weight with gun mount (without gun, fuel, and crew)	6,430	16
Over-all width	773/4	in.
Ground clearance—front and rear axle	023/32	in.
Over-all height	721/32	in.
Over-all length	1745/8	in.
Turning radius	1 ft 8	in.
Wheel base		

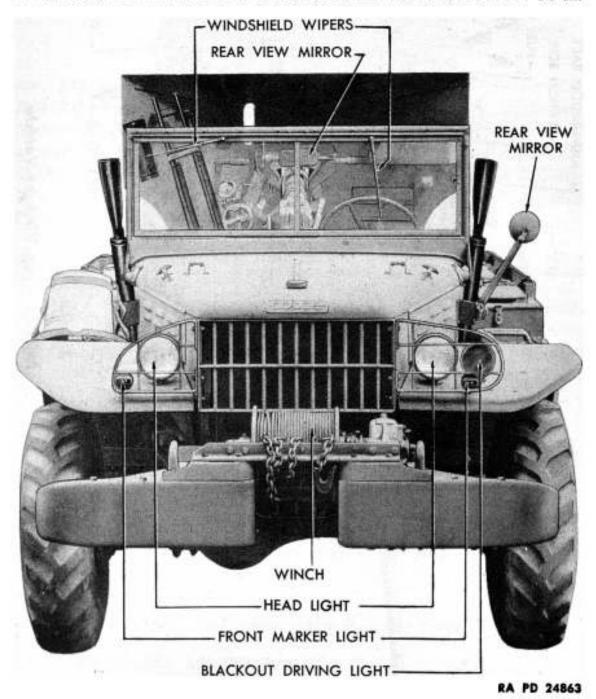


Figure 6-Front View of Vehicle