

5-TON 4x2 TRACTOR TRUCK (C.O.E.)

(IHC MODELS H-542-9 AND H-542-11 MARMON-HERRINGTON MODEL H-542-11 KENWORTH MODEL H-542-11)

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WAR DEPARTMENT TECHNICAL MANUAL ★ TM 9-812

5-TON 4x2 TRACTOR TRUCK (C.O.E.)

(IHC MODELS H-542-9 AND H-542-11 MARMON-HERRINGTON MODEL H-542-11 KENWORTH MODEL H-542-11)



WAR DEPARTMENT

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TM 9-812, 5-ton 4 x 2 tractor truck (C.O.E.) (IHC models H-542-9 and H 542 11, Marmon-Herrington model H-542-11, Kenworth model H 542 11), is published for the information and guidance of all concerned.

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By order of the Secretary of War:

G. C. MARSHALL,

Chief of Staff.

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Major General,

The Adjutant General.

DISTRIBUTION: X

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

CONTENTS

PART ONE—Vehicle Operating Instructions

				raphs	Pages
SECTION	I.	Introduction		1	5- 7
	II.	Description and tabulated data	2-	4	8- 11
	III.	Driving controls and operation	5-	7	12- 25
	IV.	Auxiliary equipment controls and operation		10	26- 28
	V.	Operation under unusual conditions	11-	14	29- 36
	VI.	First echelon preventive maintenance services	15-	19	37- 47
	VII.	Lubrication	20-	21	48- 52
	VIII.	Tools and equipment stowage on the vehicle		24	53- 56
D A E					
PAR	KT TW	O—Vehicle Maintenance	Ins	tru	ctions
SECTION		O—Vehicle Maintenance MWO and major unit assembly replacement record			ctions 57
_	IX.	MWO and major unit as-	25-		5 7
_	IX.	MWO and major unit assembly replacement record Second echelon preventive	25-	26 27	5 7 58- 73
_	IX. X.	MWO and major unit assembly replacement record Second echelon preventive maintenance	25- 28-	26 27 30	5 7 58- 73
_	IX. X. XI.	MWO and major unit assembly replacement record Second echelon preventive maintenance New vehicle run-in test Organization tools and equip-	25- 28- 31-	26 27 30 32	57 58- 73 74- 78
_	IX. X. XI. XII.	MWO and major unit assembly replacement record Second echelon preventive maintenance	25- 28- 31- 33-	26 27 30 32 47	57 58- 73 74- 78 79
_	IX. X. XI. XII. XIII.	MWO and major unit assembly replacement record Second echelon preventive maintenance	25- 28- 31- 33- 48-	26 27 30 32 47 58	57 58- 73 74- 78 79 80-100

5-TON 4×2 TRACTOR TRUCK (C.O.E.)

CONTENTS (Cont'd)

	Paragraphs	Pages
SECTION XVII.	Fuel system 65- 69	133-140
XVIII.	Intake and exhaust system 70- 74	141-144
XIX.	Cooling system 75- 79	145-154
XX.	Ignition system 80- 83	155-160
XXI.	Charging system 84- 86	161-166
XXII.	Starting system 87- 90	167-170
XXIII.	Lighting system, battery, and horns 91- 97	171-185
XXIV.	Radio noise suppression 98-100	186-187
XXV.	Instruments101-103	188-196
XXVI.	Wiring harness	197-201
XXVII.	Transmission	202-206
XXVIII.	Frame	207-208
XXIX.	Propeller shafts110-113	209-212
XXX.	Front axle114-117	213-217
XXXI.	Rear axle118-121	218-222
XXXII.	Brake system	223-264
XXXIII.	Wheels and bearings148-151	265-271
XXXIV.	Springs and shock absorbers 152-155	272-279
XXXV.	Steering gear and drag link156-159	280-284
XXXV1.	Shipment and temporary storage	285-289
References	· · · · · · · · · · · · · · · · · · ·	. 290-291
INDEX		. 292-300

PART ONE—Vehicle Operating Instructions

Section 1

INTRODUCTION

	F	aragraph
Scope		. 1

1. SCOPE.

- a. This technical manual is published for the information and guidance of using arm personnel charged with the operation, maintenance, and minor repair of the materiel.
- b. In addition to a description of the 5-ton 4 x 2 tractor truck with cab over engine, this manual contains technical information required for the identification, use, and care of the materiel. The manual is divided into two parts. Part One, which includes Sections I through VIII, gives vehicle operating instructions. Part Two, which includes Sections IX through XXXVI, gives vehicle maintenance instructions for using arm personnel charged with the responsibility of doing maintenance work within their jurisdiction.
- c. In all cases where the nature of the repair, modifications, or adjustment is beyond the 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.
- d. The vehicle models of the tractor truck covered by this manual are International Harvester Models H-542-9 and H-542-11, Marmon-Herrington Model H-542-11, and Kenworth Model H-542-11. The official tractor truck model number is 542, to which are added a prefix letter designating the manufacturer of the engine and a suffix number relating to the tire size.

5-TON 4 x 2 TRACTOR TRUCK (C.O.E.)

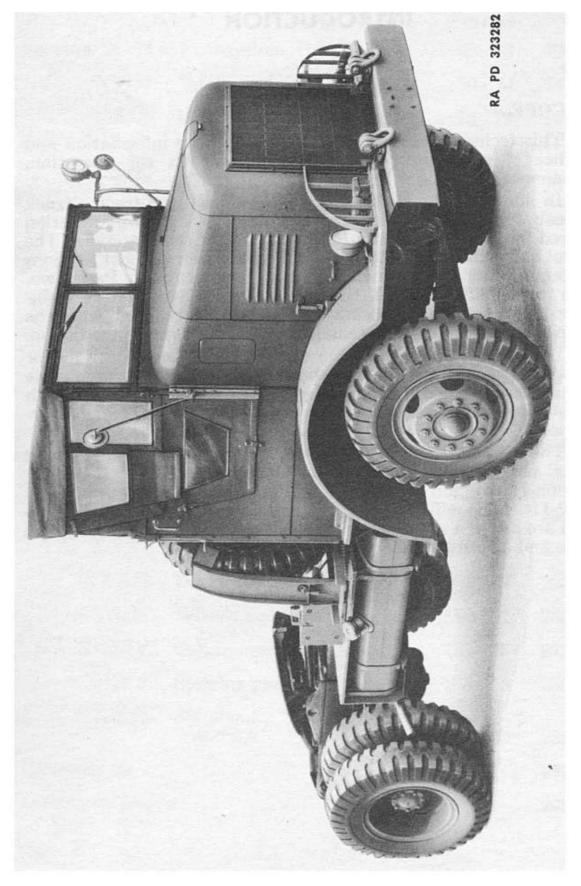


Figure 1 — 5-Ton 4 x 2 Tractor Truck (C.O.E.), Right Front

INTRODUCTION

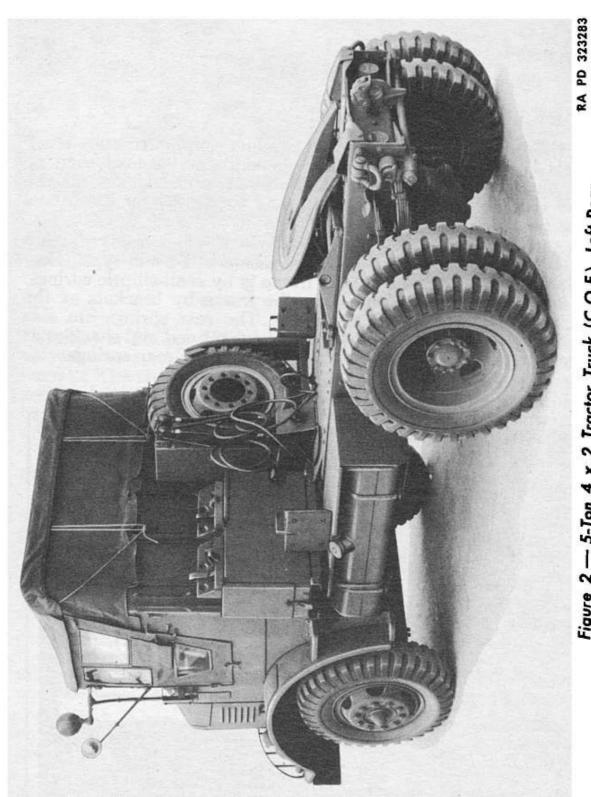


Figure 2 — 5-Ton 4 x 2 Tractor Truck (C.O.E.), Left Rear

5-TON 4x2 TRACTOR TRUCK (C.O.E.)

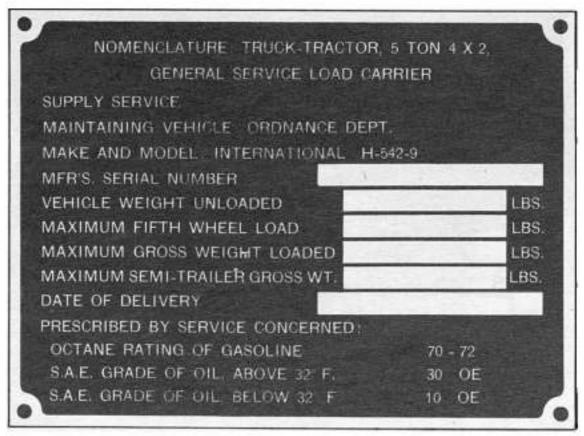
Section II

DESCRIPTION AND TABULATED DATA

	 'ara	grapi
Description		2
Differences between models		3
Data		

2. DESCRIPTION (figs. 1 and 2).

- a. General. The 5-ton 4 x 2 gasoline motor tractor truck Models H-542-9 and H-542-11 are general service load carriers. Both models are designed to haul trailers. The trailer for the Model H-542-9 is 16 feet in length, and the trailer for the Model H-542-11 is 25 feet in length.
- b. Axles and Springs. The rear axle is of double-reduction type and is the drive axle. The front axle is of I-beam type. Suspension of axles from the chassis frame is by semi-elliptic springs. The front springs are attached to the frame by brackets at the front end and shackles at the rear. The rear springs are also attached to the frame by brackets at the front end and shackles at the rear. Auxiliary springs are mounted on the rear springs.



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