

VEHICLE DATA BOOK

(Restricted)

CANADIAN ARMY OVERSEAS



ARMoured
TRACKED
VEHICLES

ARMoured
WHEELLED
VEHICLES

"B" VEHICLES
AND
TRAILERS

December 1944

VEHICLE
DATA BOOK

Canadian Army Overseas

Armoured Tracked Vehicles
Armoured Wheeled Vehicles
Tractors, Transporters
"B" Vehicles
Trailers

RESTRICTED

The information given in this document is not to be communicated, either directly or indirectly, to the Press or to any person not authorized to receive it.

FOREWORD

This publication is a reference handbook covering vehicles held by the Canadian Army Overseas. It includes descriptions of the wheeled and tracked vehicles in use at date of publication.

The information is presented in the form of data pages, with one page designated to each vehicle. In each case, the descriptive matter includes a photograph, an outline drawing, a summary of operational role, and a tabulation of technical details. The data given is the latest available at time of going to press.

A number of technical information pages giving data on vehicle tires, tools, marking signs, lubricants, code plates, movement regulations, etc, are also included.

The book will be useful to those engaged in the supply, maintenance and operational handling of military vehicles as it contains the information necessary for identification, classification and performance appraisalment of those used by the Canadian Army.

Published Under Direction Of

LIEUT-GENERAL P. J. MONTAGUE

CHIEF OF STAFF

BY

THE BRANCH OF THE QMG

CANADIAN MILITARY HEADQUARTERS

ARRANGEMENT OF DATA PAGES

The plan adopted in the arrangement of the data pages of this publication has been to follow, in general, the consecutive order of increasing weight classes customary in operational listings. The total list is divided into sections as noted hereunder :

General Arrangement	}	First section.....“A” vehicles.
		Second section.....“B” vehicles.
		Third section.....Trailers.
		Fourth section.....Technical information pages.

Between each section there has been interposed a page giving the general arrangement of the succeeding section.

Within each section the vehicles have been listed as noted hereunder :

Section Arrangement	}	(1) In order of increasing weight.
		(2) Alphabetically in each weight.

Following (1) above, the “B” vehicles begin with motorcycles and run up to 10-tonners, except that tractors are grouped at the end.

Following (2) above, where vehicles are of the same weight, they are listed in alphabetical order based on authorized nomenclature, (e.g., Lorry, 3-ton, Ambulance is followed by Lorry, 3-ton, Battery Storage).

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DEFINITIONS OF VEHICLE CHARACTERISTICS

The definitions given hereunder cover the performance and characteristics data tabulated on the vehicle data pages

Bridge Classification :

The War Office bridge classification system allocates bridge classification numbers to military vehicles corresponding to the stress they produce in bridges. Likewise, bridges are allocated numbers corresponding to the stress they can endure without damage.

Military vehicles may cross only those bridges having classification numbers the same as, or greater than, their own classification number.

For proper working of the system, vehicles must not be loaded beyond rated capacity, and in no circumstances should spacing be less than 80 ft.

Towing and towed vehicles such as tractor and gun, or lorry and trailer, are given double classification numbers. One number is for vehicle alone, the other number is for the complete train. Tank transporters with articulated trailers are given double classification, one number for "unladen" the other for "laden" condition. Tractors for detachable tank trailers are given a double classification, one for vehicle alone and one for complete train. In this case the detachable trailer is also given double classification, one number for the independent laden trailer, the other for the independent trailer unladen.

Military Training Pamphlet No. 74, Part IV, with amendments, gives full listing of bridge classifications and marking signs for "B" vehicles. "A" vehicles are dealt with in Part IV—Supplement.

Maximum gradability :

The term "maximum gradability" denotes the steepest grade a fully equipped vehicle can negotiate in low gear while carrying its rated payload.

In line with standard practice, the surmountable grade is denoted by percent of slope or grade percentage. This grade percentage is the ratio of the vertical rise to the horizontal distance travelled. Thus if there is a rise of 65 ft and a horizontal distance of 100 feet, the ratio is 65/100, which is expressed as 65 per cent.

(Some specifications call for an acceptance test of gradability in high gear as well as low gear).

Turning Circle :

The turning circle is defined as the circle described by the centre of the tire on the outside front wheel when the front wheels are in either left or right full lock position.

Specifications of the Canadian Army Engineering Design Branch in regard to "B" vehicles, state that the turning circles for both right and left locks, will be determined on level hard ground with the vehicle in two wheel drive (i.e., not driving front axle).

(In some vehicles, the right circle is larger than the left, and vice versa. In such cases the diameter of the larger circle is given in the data tabulation).

Angle of Approach :

Angle of approach is expressed in degrees and is defined as the angle between a horizontal line and a line drawn from the lowest part of the chassis (front end) tangent to the lower tire surface.

It may also be defined as the angle of the maximum grade which a vehicle can approach on the horizontal and start to climb without any part of the vehicle coming into contact with the grade.

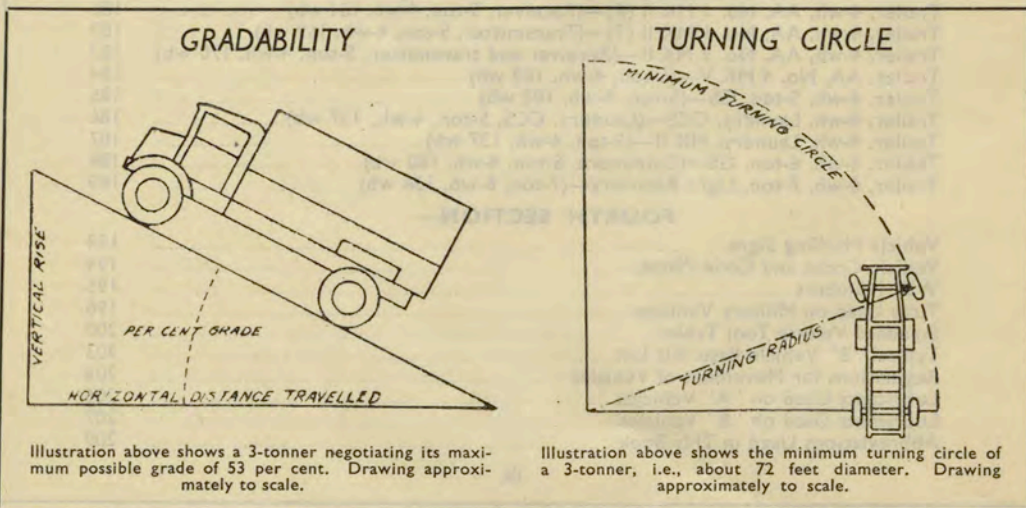
Other names given to this characteristic are "overhang angle front" and "clearance angle front". It is generally determined by the front bumper.

Angle of Departure :

Angle of departure is expressed in degrees and is defined as the angle between a horizontal line and a line drawn from the lowest part of the chassis (rear end) tangent to the lower tire surface.

It may also be defined as the angle of the maximum grade from which a vehicle can depart on the horizontal without any part of the vehicle coming into contact with the grade.

Other names given to this characteristic are "overhang angle rear" and "clearance angle rear". The addition of tow-bar brackets, etc, may decrease this angle.



ANGLE OF APPROACH

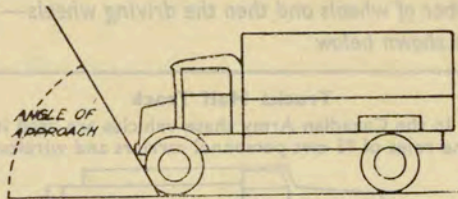


Illustration above shows the normal angle of approach of a 3-tonner, i.e., about 65 degrees. Drawing approximately to scale.

ANGLE OF DEPARTURE

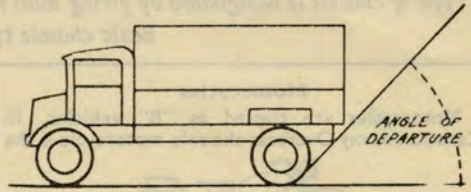


Illustration above shows the normal angle of departure of a 3-tonner, i.e., about 45 degrees. Drawing approximately to scale.

Fording Depth :

Fording depth is defined as the depth of water through which a vehicle can travel without water stalling the engine. This is normally specified as being the possible depth in lowest forward gear.

The depths of water given in this book are those depths fordable without preparation, i.e., water-proofing.

Fuel Consumption :

The fuel consumption figures which are tabulated in this book are greater than those given in specifications as being obtainable under performance acceptance tests.

The tabulated figures represent operation under service conditions which generally involve cross-country driving, heavy loading etc, resulting in higher petrol consumption than that obtained under standard acceptance test of running at 25 mph over level road.

Maximum Speed :

The figures given for maximum speed are in general those obtained during acceptance test on level hard road with full load. In some cases, the figure given is the maximum obtainable with a governed engine.

Treads :

The tread dimension is the distance from the centre of the tire on one side of the vehicle to the centre of the tire on the other side. In the case of duals, it is the mean distance between near and offside dual tires.

Curb Weight :

The curb weight of a vehicle as given is the weight of the complete vehicle (front or rear axle as stated) less all personnel, but with full tanks of gas, oil and water. It includes tools normally with the vehicle and built-in equipment as delivered from manufacturers.

Laden Weight :

Laden weight is also termed "maximum gross rating" and "gross vehicle weight". It is defined as grand total weight of complete vehicle, fully equipped and serviced for operation, including maximum payload, and personnel with full kit.

Payload is calculated by subtracting curb weight from laden weight. For calculations, the weight of a man with full kit, including kit bag, blanket, rifle and ammunition is taken as 240 pounds.

Ground Clearance :

Ground clearance is also termed "road clearance". It is defined as the distance between the ground and the lowest point of the vehicle chassis. On Canadian Military Pattern vehicles, the smallest ground clearance is normally under the axles. (In this book where dimension is fractional, smaller figure is taken).

Wheelbase :

In four wheel vehicles the wheelbase is the distance in inches between the centre of the front wheels and the centre of the rear wheels. In six wheel vehicles, the wheelbase is the distance from the centre of the front wheels to the centre of the rear axle bogie.

Shipping Space (deck area) :

Shipping space (deck area) as given in this book, is the maximum square feet of ground area which would be enclosed by a fence completely surrounding the vehicle when standing in normal trim.

Shipping Space (standing) :

Shipping space (standing) as given in this book is the volume in cubic feet which would be contained by a rectangular case completely enclosing the vehicle.

In many vehicles the standing shipping volume can be reduced by lowering superstructure thus cutting down overall height, or by removing same and repositioning protruding parts such as rear view mirrors.

Dimensions—overall :

Overall dimensions as tabulated are the maximum, including tarpaulin, protruding parts, etc. This takes into account the importance of overall width and the possibility of disrupting other traffic. The overall heights given are helpful in determining whether vehicle can pass under low bridges.

INFORMATION REGARDING TABULATED DATA

*The following conventions were adopted
in compiling vehicle data*

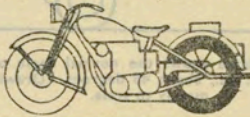
Gradability percent given for loaded vehs in low gear. Turning circles (vary with universals) largest given. Miles per gallon (where fractional) to higher figure. Maximum speed (where fractional) to lower figure. Decimal bores of engines taken to nearest fraction. Engine capacities given in Imperial liquid measure. Engine sump capacity (not refill) is tabulated. Tonnage ratings (where given) long tons of 2240 lbs. Weights rounded off to multiples of ten. Shipping space rounded off to multiples of ten. Overall dimensions (fractional) to even figure on drawings.

MILITARY VEHICLE CHASSIS TYPES

Type of chassis is designated by giving total number of wheels and then the driving wheels—
Basic chassis types shown below

Motorcycles

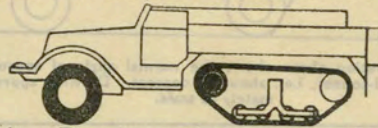
Motorcycles are classed as "B" vehicles. In Canadian Army Overseas the solo motorcycle is the



only operational vehicle of this type. All motorcycles drive by the single rear wheel.

Trucks Half Track

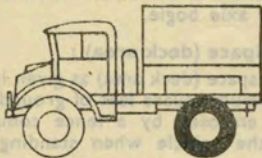
In the Canadian Army these vehicles are used in the roles of 15-cwt personnel carriers and wireless



vehicles. They drive with the front wheels and by track at the rear.

Trucks 4 x 2

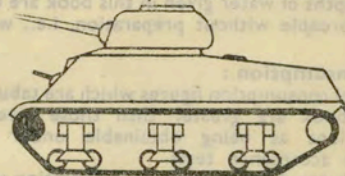
This type of vehicle is no longer used in operational commands, but a few may remain in use in



UK. It has 4 road wheels. Drive by the rear wheels.

Full Track Vehicles

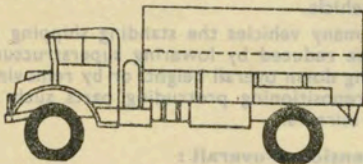
Universal Carriers, tanks and tractors are the only full tracked operational vehicles in the



Canadian Army. Propulsion is derived from a track running full length of vehicle.

Trucks and Lorries 4 x 4

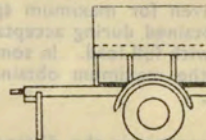
These are the most widely used vehicles, running



in size from the 5-cwt to the 3-ton GS. These vehicles have 4 road wheels. Drive by all wheels.

Trailers, 2 Wheel

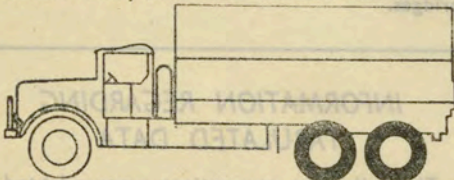
In this type of vehicle the greater part of the load is carried on the trailer wheels, although a



portion goes to the towing eye. Couplings are such that different towing vehicles can be used.

Lorries 6 x 4

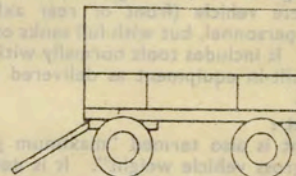
This type of vehicle is not widely used in the Canadian Army; the most common vehicle being



the Mack 10-ton 6 x 4 GS. It has 6 road wheels. Drives by 4 rear wheels.

Trailers, 4 Wheel

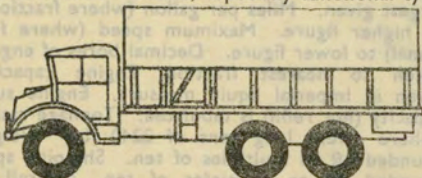
In 4 wheel trailers the load is carried entirely by the trailer chassis. Many of these trailers are



wired for interconnection with the towing vehicle for lights and brake operation.

Lorries 6 x 6

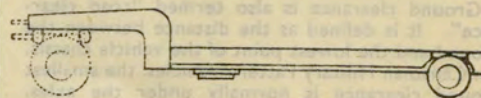
The heavier vehicles, especially functional types



such as machinery, bridging and breakdowns, all have 6 road wheels and drive by all wheels.

Semi-trailers

In semi-trailers the design provides for a division of load weight between trailer and tractor. This



has the effect of giving greater traction to tractor rear wheels.

FIRST SECTION

“A” Vehicles

In the pages of the succeeding section of this book, wheeled and tracked “A” vehicles, are listed in the following order :

Scout Cars

Armoured Cars

Armoured Command Vehicles

Carriers

Tanks

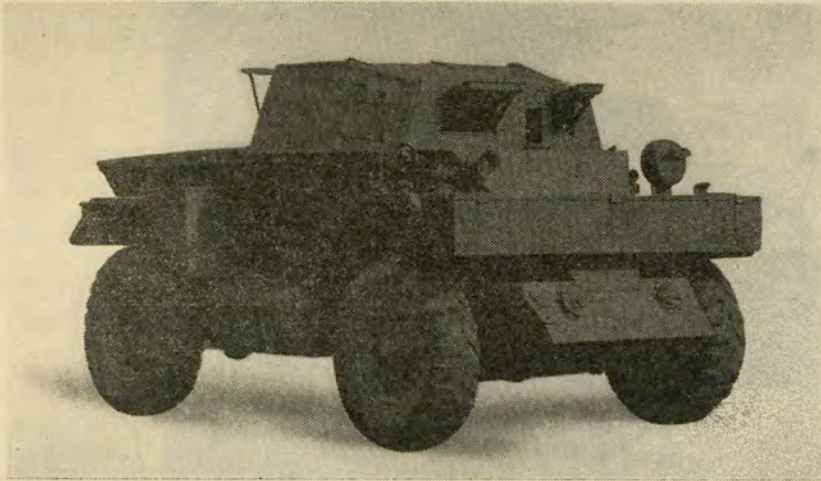
Self-Propelled Guns

SCOUT CAR

(Lynx II, 4 x 4, 81 wb)

Manufacturer—Ford Motor Co.

Vehicle Code—SC-I.



Operational Role—Used by Armd Car Regt, Armd Recce Regt, Armd Regt, Recce Regt, HQ Armd Div and by RC Sigs in armd fmns. Small mobile vehicle useful for short recce on regt front. May be used by recce tps in lieu light tanks. Cannot operate over heavy going or against Atk gun opposition.

Equipment—Armament—.303 Bren MG, .303 rifle. Other equipment—No. 19 WT set, protoscope. Carries tools, spare gun parts, POW containers, rations, cam net. Armour thickness—hull front 30 mm, sides 12 mm, rear 12 mm, roof 6 mm. (Engine and radiator rear mounted.)

Performance

Bridge classification.....(per MTP 74).....	5
Maximum gradability.....(per cent).....	49
Trench crossing (with channels).....(ins).....	30
Fording depth.....(ins).....	18
Angle of approach.....(deg).....	53
Angle of departure.....(deg).....	44
Fuel consumption (average).....(mpg).....	9
Maximum speed.....(mph).....	50

Engine Details

Manufacturer.....	Ford
Type.....	petrol, 4 cys, 8 cyls, V-8
Size.....	bore (ins) 3 3/16, stroke (ins) 3 3/4
Power.....	95 bhp at (rpm) 3600
Ignition.....	battery (volts) 6
Capacity.....	fuel (gals) 24, water (qts) 24, oil (qts) 4

Tires and Brakes

Hand brakes.....	mechanical (rear wheels)
Foot brakes.....	hydraulic (all wheels)
Treads.....	front (ins) 62, rear (ins) 63
Size.....	(ins) 9.00 x 16
Pressure.....	(see current instructions)

Weight and Dimensions

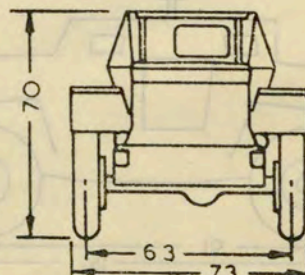
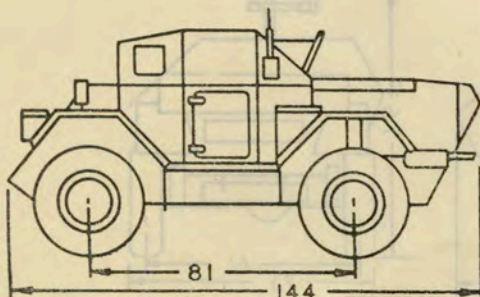
Laden weight (front axle).....(lbs).....	4170
Laden weight (rear axle).....(lbs).....	5200
Turning circle (minimum).....(ft).....	47
Ground clearance (minimum).....(ins).....	8
Wheelbase (front to rear).....(ins).....	81
Shipping space (deck area).....(sq ft).....	75
Shipping space (standing).....(cu ft).....	430
Dimensions overall.....	(see drawing below)

Publications Applying

Maintenance manual.....	SC-F2
Parts list.....	FSC-02
Waterproofing instrs (chassis).....	(not available)

Additional Data

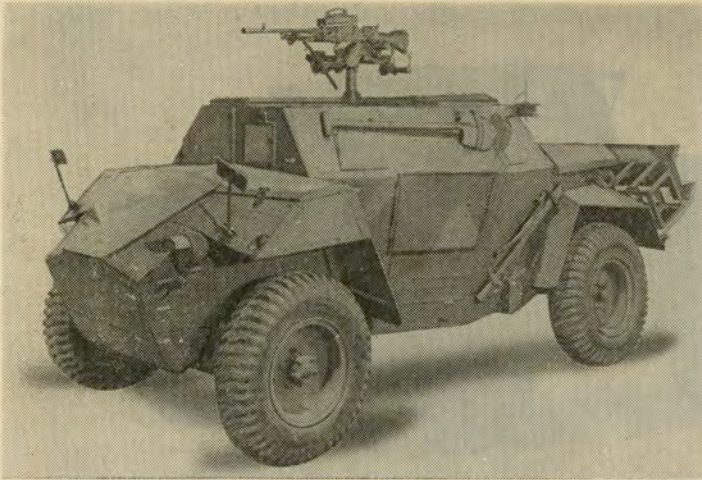
Power weight ratio, 22.8 bhp per ton. Maximum tractive effort, 1130 lbs per ton. (Lynx II differs from Lynx I, having smaller steering ratio and heavier axles.)



SCOUT CAR

(Humber 1, 4 x 4, 91 wb)

Manufacturer—Humber Ltd.



Operational Role—Used by Armd Car Regt, Armd Recce Regt, Armd Regt, Recce Regt, HQ Armd Div and by RC Sigs in armd fmns. Small mobile vehicle useful for short recce on regt front. May be used by recce tps in lieu light tanks. Cannot operate over heavy going or against Atk gun opposition.

Equipment—Armament—.303 Bren MG, .45 sub MG, smoke grenades, rifles. Other equipment—No. 19 WT set, compass, portable cooker. Carries tools, spare gun parts, POW containers, rations, cam net. Armour thickness—hull front 14 mm, sides 14 mm, rear 12 mm, roof 4 mm. (Engine and radiator rear mounted.)

Performance

Bridge classification.....	(per MTP 74).....	4
Maximum gradability.....	(per cent).....	40
Trench crossing (with channels).....	(ins).....	30
Fording depth.....	(ins).....	36
Angle of approach.....	(deg).....	70
Angle of departure.....	(deg).....	60
Fuel consumption (average).....	(mpg).....	10
Maximum speed.....	(mph).....	60

Engine Details

Manufacturer.....	Humber	
Type.....	petrol, 4 cyc, 6 cyls in line	
Size.....	bore (ins) 3.35, stroke (ins) 4.72	
Power.....	79 bhp at (rpm) 3300	
Ignition.....	battery (volts) 12	
Capacity...fuel (gals) 19, water (qts) 20, oil (qts) 6		

Tires and Brakes

Hand brakes.....	mechanical (rear wheels)	
Foot brakes.....	hydraulic (all wheels)	
Treads.....	front (ins) 61, rear (ins) 61	
Size.....	(ins) 9.25 x 16	
Pressure.....	(see current instructions)	

Weight and Dimensions

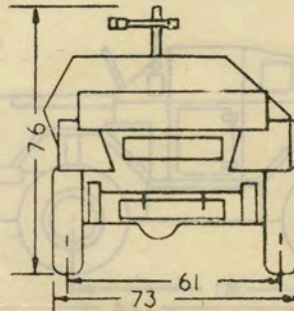
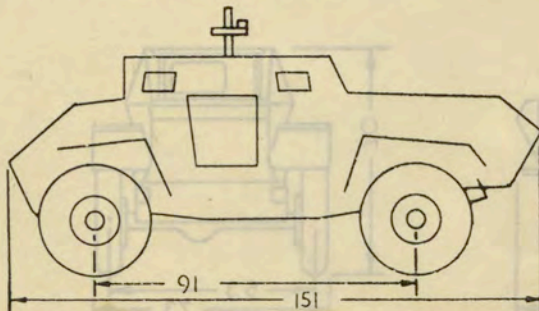
Laden weight (front axle).....	(lbs).....	3360
Laden weight (rear axle).....	(lbs).....	4230
Turning circle (minimum).....	(ft).....	35
Ground clearance (minimum).....	(ins).....	9
Wheelbase (front to rear).....	(ins).....	91
Shipping space (deck area).....	(sq ft).....	80
Shipping space (standing).....	(cu ft).....	400
Dimensions overall.....	(see drawing below)	

Publications Applying

Maintenance manual.....	Chilwell 64/10
Parts list.....	VAOS LV5/HSC
Waterproofing instrs (chassis).....	64/24

Additional Data

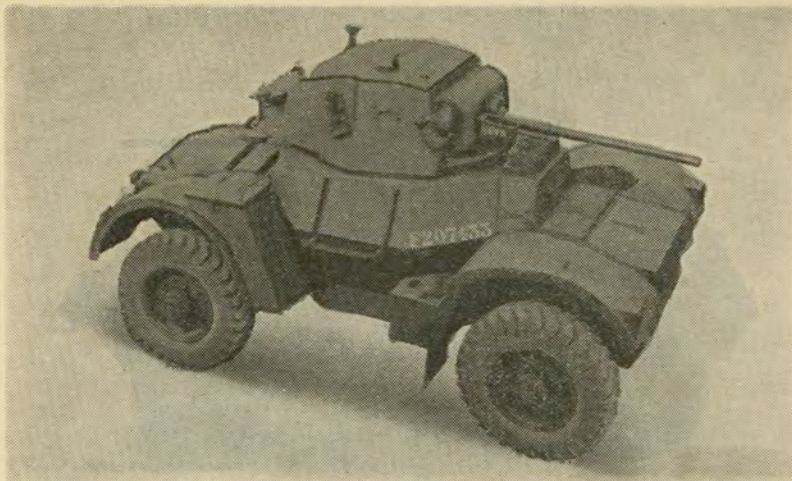
Power weight ratio, 25.7 bhp per ton. Maximum tractive effort, 1080 lbs per ton.



ARMOURED CAR

(Daimler, Mark I, 4 x 4, 102 wb)

Manufacturer—Daimler Co. Ltd.



Rack on side of vehicle carries reserve petrol tank

Operational Role—Used by Arm'd Car and Recce Regts for short and long distance recce, also for special missions, such as raids, securing tac features, getting infm, etc., and for protective duties, either HQs or convoys.

Equipment—Armament—2-pr gun, 7.92 mm MG, .303 Bren gun, .45 sub MG, two smoke mortars. Other eqpt—No. 19 WT set, periscope, telescopes, interphone. Carries tools, spare gun parts, POW containers, cam net, rations, spare wheel. Armour thickness—turret front 16 mm, hull front 14 mm, sides 10 mm. (Can drive backward at high speed by changeover gear and rear steering wheel. Engine and radiator rear mounted.)

Performance

Bridge classification.....	(per MTP 74).....	7
Maximum gradability.....	(per cent).....	44
Trench crossing (with channels).....	(ins).....	42
Fording depth.....	(ins).....	36
Angle of approach.....	(deg).....	80
Angle of departure.....	(deg).....	70
Fuel consumption (average).....	(mpg).....	6
Maximum speed.....	(mph).....	50

Engine Details

Manufacturer.....	Daimler
Type.....	petrol, 4 cyc, 6 cyls in line
Size.....	bore (ins) 3.35, stroke (ins) 4.72
Power.....	95 bhp at (rpm) 3600
Ignition.....	battery (volts) 12
Capacity.....	fuel (gals) 36, water (qts) 22, oil (qts) 18

Tires and Brakes

Hand brakes.....	mechanical (all wheels)
Foot brakes.....	hydraulic (all wheels)
Treads.....	front (ins) 78, rear (ins) 78
Size.....	(ins) 10.50 x 20
Pressure.....	(see current instructions)

Weight and Dimensions

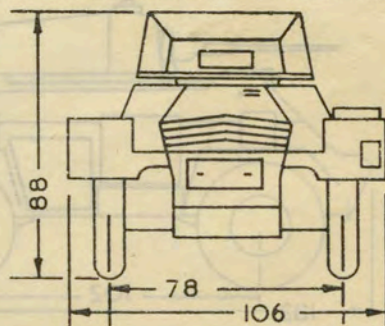
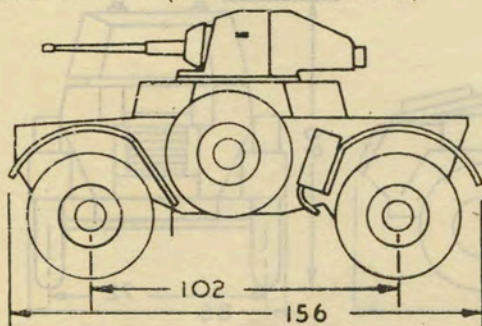
Laden weight (front axle).....	(lbs).....	7900
Laden weight (rear axle).....	(lbs).....	8900
Turning circle (minimum).....	(ft).....	42
Ground clearance (minimum).....	(ins).....	16
Wheelbase (front to rear).....	(ins).....	102
Shipping space (deck area).....	(sq ft).....	120
Shipping space (standing).....	(cu ft).....	840
Dimensions overall.....	(see drawing below)	

Publications Applying

Maintenance manual.....	Chilwell 60/23
Parts list.....	VAOS LV5/BM
Waterproofing instrs (chassis).....	60/78

Additional Data

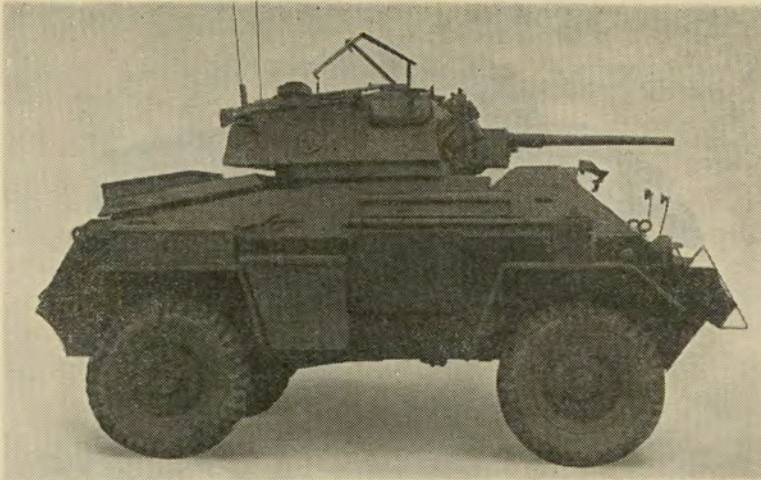
Power weight ratio, 12.65 bhp per ton. Maximum tractive effort, 1250 lbs per ton.



ARMoured CAR

(Humber, Mark IV, 4 x 4, 102 wb)

Manufacturer—Humber Ltd.



Operational Role—Used by Armd Car and Recce Regts for short and long distance recce, also for special missions such as raids, securing tac features, getting infm, etc., and for protective duties either of HQs or convoys.

Equipment—Armament—37 mm gun, 7.92 Besa MG, .303 Bren gun, .45 sub MG, two 4-in smoke mortars. Other eqpt—No. 19 WT set, periscopes, telescope, interphone. Carries tools, spare gun parts, POW containers, cam net, rations, spare wheel. Armour thickness—turret front 14 mm, hull front 14 mm, sides 10 mm. (Engine and radiator rear mounted.)

Performance

Bridge classification.....	(per MTP 74).....	7
Maximum gradability.....	(per cent).....	44
Trench crossing (with channels).....	(ins).....	42
Fording depth.....	(ins).....	36
Angle of approach.....	(deg).....	50
Angle of departure.....	(deg).....	48
Fuel consumption (average).....	(mpg).....	6
Maximum speed.....	(mph).....	45

Engine Details

Manufacturer.....	Humber
Type.....	petrol, 4 cys, 6 cys in line
Size.....	bore (ins) 3.35, stroke (ins) 4.72
Power.....	90 bhp at (rpm) 3400
Ignition.....	battery (volts) 12
Capacity...fuel (gals) 30, water (qts) 24, oil (qts) 11	

Tires and Brakes

Hand brakes.....	mechanical (on transmission)
Foot brakes.....	hydraulic (all wheels)
Treads.....	front (ins) 76, rear (ins) 72
Size.....	(ins) 10.50 x 20
Pressure.....	(see current instructions)

Weight and Dimensions

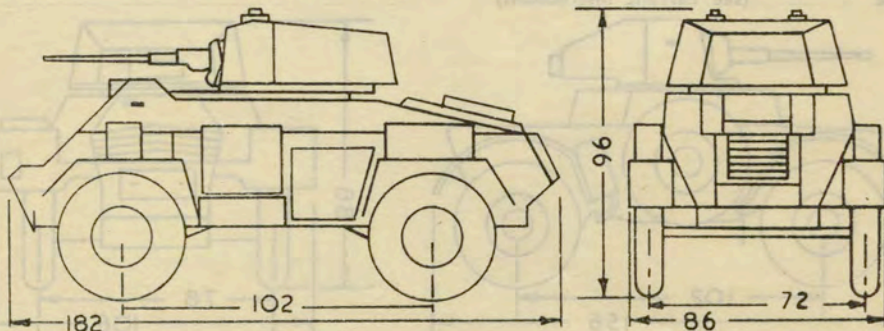
Laden weight (front axle).....	(lbs).....	7560
Laden weight (rear axle).....	(lbs).....	8510
Turning circle (minimum).....	(ft).....	45
Ground clearance (minimum).....	(ins).....	12
Wheelbase (front to rear).....	(ins).....	102
Shipping space (deck area).....	(sq ft).....	110
Shipping space (standing).....	(cu ft).....	870
Dimensions overall.....	(see drawing below)	

Publications Applying

Maintenance manual.....	Chilwell 1300
Parts list.....	VAOS LV5/HK
Waterproofing instrs (chassis).....	60/113

Additional Data

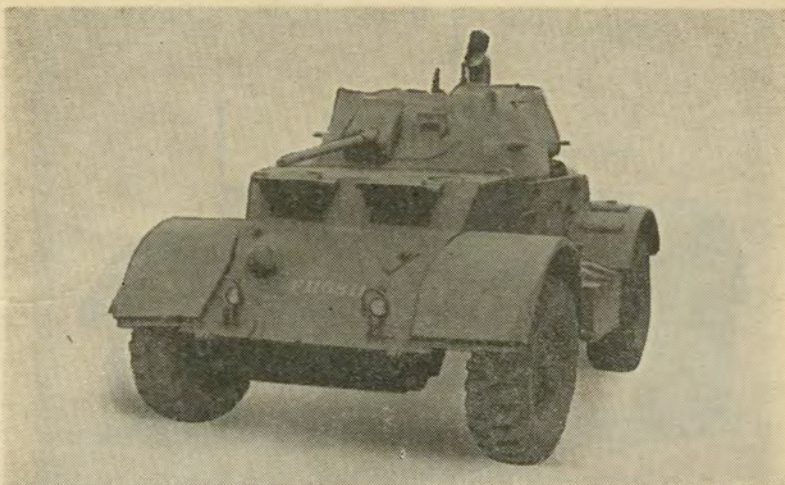
Power weight ratio, 11.40 bhp per ton. Maximum tractive effort, 1340 lbs per ton. (Above vehicle issued in some cases to Canadian Army during ops.)



ARMoured CAR

(Staghound, T17E1, 4 x 4, 120 wb)

Manufacturer—General Motors.



Operational Role—Used by Armd Car and Recce Regts for short and long distance recce, also for special missions such as raids, securing tac features, getting infm, etc., and for protective duties either of HQs or convoys. Crew of 5.

Equipment—Armament—37 mm gun, two .30 MGs, one .45 sub MG, 2-in smoke mortar. Other equipment—No. 19 WT set, periscopes, telescopes, interphone. Carries tools, spare gun parts, POW containers, cam net, rations. Armour thickness—turret $1\frac{1}{2}$ in, hull front $\frac{7}{8}$ in, sides $\frac{3}{4}$ in. (Engines and radiator rear mounted.)

Performance

Bridge classification.....(per MTP 74).....	15
Maximum gradability.....(per cent).....	57
Trench crossing.....no channels	
Fording depth.....(ins).....	32
Angle of approach.....(deg).....	57
Angle of departure.....(deg).....	40
Fuel consumption (average).....(mpg).....	3
Maximum speed.....(mph).....	55

Engine Details

Manufacturer.....	General Motors
Type.....	petrol, 4 cyc, 6 cyls in line
Size.....	bore (ins) 3 25/32, stroke (ins) 4
Power (each engine).....	97 bhp at (rpm) 3000
Ignition.....	battery (volts) 24
Capacity...fuel (gals) 90, water (qts) 22, oil (qts) 6	

Tires and Brakes

Hand brakes.....	mechanical (on transmission)
Foot brakes.....	hydraulic (all wheels)
Treads.....	front (ins) 89, rear (ins) 89
Size.....	(ins) 14.00 x 20
Pressure.....	(see current instructions)

Weight and Dimensions

Laden weight (front axle).....(lbs).....	13440
Laden weight (rear axle).....(lbs).....	15680
Turning circle (minimum).....(ft).....	57
Ground clearance (minimum).....(ins).....	14
Wheelbase (front to rear).....(ins).....	120
Shipping space (deck area).....(sq ft).....	160
Shipping space (standing).....(cu ft).....	1200
Dimensions overall.....(see drawing below)	

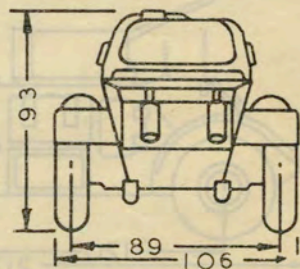
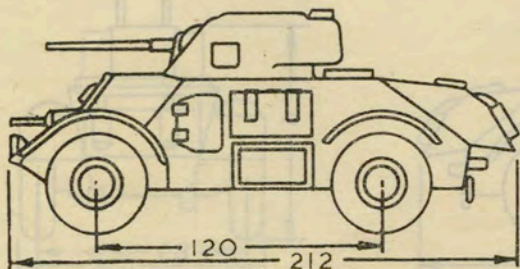
Publications Applying

Maintenance manual.....	TM 9-1741
Parts list.....	SNL G-122
Waterproofing instrs (chassis).....	72/533

Additional Data

Power weight ratio, 13.50 bhp per ton. Maximum tractive effort, 1470 lbs per ton.

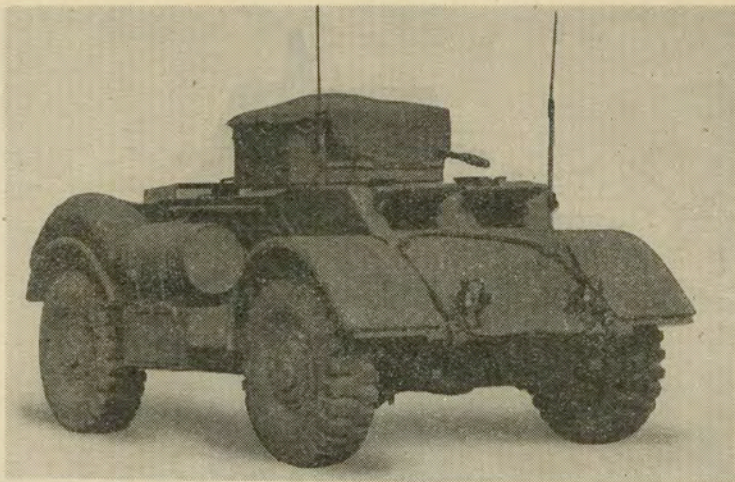
(Has 2 engines, with fluid couplings to common transfer case.)



ARMoured CAR, AA

(Staghound, T17E2, 4 x 4, 120 wb)

Manufacturer—General Motors.



Operational Role—Used by Armoured Car Regiment for anti-aircraft defence and for same purpose in formation HQs, artillery regiments and convoys. Crew of 3 men, driver, WT operator, gunner.

Equipment—Armament—twin .50 MGs on co-axial mounting, one .45 sub MG, 2-in smoke mortar. Other eqpt—No. 19 WT set, periscopes, binoculars, interphone. Carries tools, spare gun parts, POW containers, cam net, rations. Armour thickness—turret $1\frac{1}{4}$ in, hull front $\frac{3}{8}$ in, sides $\frac{3}{4}$ in. (Engines and radiator rear mounted.)

Performance

Bridge classification.....(per MTP 74).....	15
Maximum gradability.....(per cent).....	57
Trench crossing.....no channels.....	
Fording depth.....(ins).....	32
Angle of approach.....(deg).....	57
Angle of departure.....(deg).....	40
Fuel consumption (average).....(mpg).....	3
Maximum speed.....(mph).....	55

Engine Details

Manufacturer.....	General Motors
Type.....	petrol, 4 cyc, 6 cyls in line
Size.....	bore (ins) 3 25/32, stroke (ins) 4
Power (each engine).....	97 bhp at (rpm) 3000
Ignition.....	battery (volts) 24
Capacity.....fuel (gals) 90, water (qts) 22, oil (qts) 6	

Tires and Brakes

Hand brakes.....	mechanical (on transmission)
Foot brakes.....	hydraulic (all wheels)
Treads.....	front (ins) 89, rear (ins) 89
Size.....	(ins) 14.00 x 20
Pressure.....	(see current instructions)

Weight and Dimensions

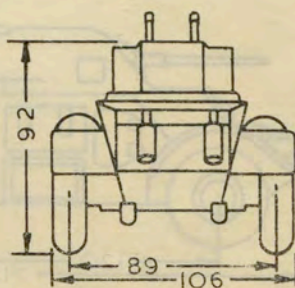
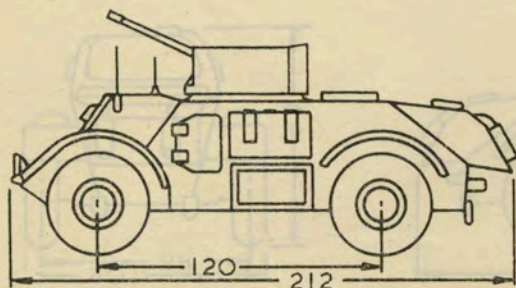
Laden weight (front axle).....(lbs).....	13440
Laden weight (rear axle).....(lbs).....	15680
Turning circle (minimum).....(ft).....	57
Ground clearance (minimum).....(ins).....	14
Wheelbase (front to rear).....(ins).....	120
Shipping space (deck area).....(sq ft).....	160
Shipping space (standing).....(cu ft).....	1600
Dimensions overall.....(see drawing below)	

Publications Applying

Maintenance manual.....	TM 9-1741
Parts list.....	SNL G-122
Waterproofing instrs (chassis).....	72/533

Additional Data

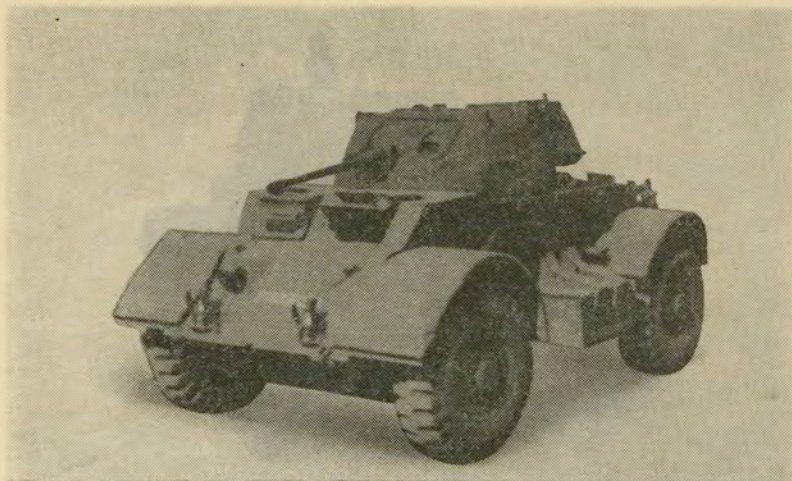
Power weight ratio, 13.50 bhp per ton. Maximum tractive effort, 1470 lbs per ton.
(Has 2 engines, with fluid couplings to common transfer case.)



ARMoured CAR, COMMAND

(Staghound, T17E1, 4 x 4, 120 wb)

Manufacturer—General Motors.



Operational Role—Used by RC Sigs in Armd Div, Inf Div, Corps HQ, also in HQ Armd Div and in Armd Car Regt (rear link) as mob armd wrls veh for directing ops from adv HQ. Has 2 wrls sets, one fwd link and one rear or flank link.

Equipment—Wireless—One No. 19 and one No. 19 HP set amplifier, generator, intercom. Armament—Two .30 MGs, one .45 sub MG, 2-in smoke mortar, (37 mm gun removed in this role). Other eqpt—periscope, telescope, interphone. Carries tools, spare gun parts, POW containers, etc. Armour thickness—turret 1½ in, hull front ¾ in, sides ¾ in. (Engines and radiator rear mounted.)

Performance

Bridge classification.....(per MTP 74).....	15
Maximum gradability.....(per cent).....	57
Trench crossing.....	no channels
Fording depth.....(ins).....	32
Angle of approach.....(deg).....	57
Angle of departure.....(deg).....	40
Fuel consumption (average).....(mpg).....	3
Maximum speed.....(mph).....	55

Engine Details

Manufacturer.....	General Motors
Type.....	petrol, 4 cyc, 6 cyls in line
Size.....	bore (ins) 3 25/32, stroke (ins) 4
Power (each engine).....	97 bhp at (rpm) 3000
Ignition.....	battery (volts) 24
Capacity...fuel (gals) 90, water (qts) 22, oil (qts) 6	

Tire and Brakes

Hand brakes.....	mechanical (on transmission)
Foot brakes.....	hydraulic (all wheels)
Treads.....	front (ins) 89, rear (ins) 89
Size.....	(ins) 14.00 x 20
Pressure.....	(see current instructions)

Weight and Dimensions

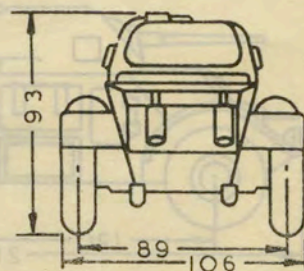
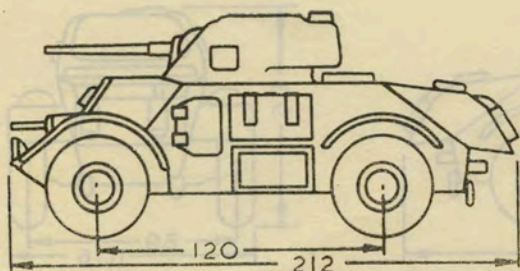
Laden weight (front axle).....(lbs).....	13440
Laden weight (rear axle).....(lbs).....	15680
Turning circle (minimum).....(ft).....	57
Ground clearance (minimum).....(ins).....	14
Wheelbase (front to rear).....(ins).....	120
Shipping space (deck area).....(sq ft).....	160
Shipping space (standing).....(cu ft).....	1200
Dimensions overall.....	(see drawing below)

Publications Applying

Maintenance manual.....	TM 9-1741
Parts list.....	SNL G-122
Waterproofing instrs (chassis).....	72/533

Additional Data

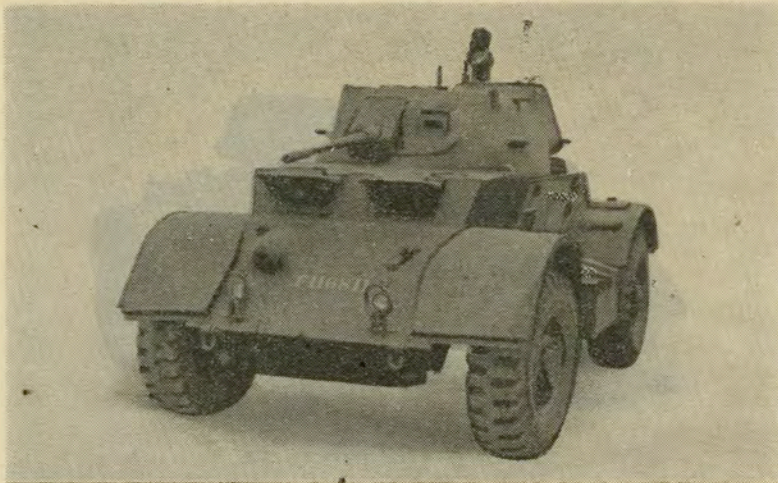
Power weight ratio, 13.50 bhp per ton. Maximum tractive effort, 1470 lbs per ton. (Has 2 engines, with fluid couplings to common transfer case.)



ARMoured CAR, CONTROL

(Staghound, T17E1, 4 x 4, 120 wb)

Manufacturer—General Motors.



Operational Role—Used by Armoured Car Regiment as mobile armd wrls veh for directing ops from adv HQ and provides link to rear or flank. Crew of 4, driver, gunner, loader, WT operator.

Equipment—Wireless—Two No. 19 sets, intercom, btys. Armament—37 mm gun, two .30 MGs, .45 sub MG, 2-in smoke mortar. Other eqpt—periscope, telescope, interphone. Carries tools, spare gun parts, POW containers, cam net, rations. Armour thickness—turret 1 1/4 in, hull front 7/8 in, sides 3/4 in. (Engines and radiator rear mounted.)

Performance

Bridge classification.....	(per MTP 74).....	15
Maximum gradability.....	(per cent).....	57
Trench crossing.....	no channels	
Fording depth.....	(ins).....	32
Angle of approach.....	(deg).....	57
Angle of departure.....	(deg).....	40
Fuel consumption (average).....	(mpg).....	3
Maximum speed.....	(mph).....	55

Engine Details

Manufacturer.....	General Motors
Type.....	petrol, 4 cyc, 6 cyls in line
Size.....	bore (ins) 3 25/32, stroke (ins) 4
Power (each engine).....	97 bhp at (rpm) 3000
Ignition.....	battery (volts) 24
Capacity.....	fuel (gals) 90, water (qts) 22, oil (qts) 6

Tires and Brakes

Hand brakes.....	mechanical (on transmission)
Foot brakes.....	hydraulic (all wheels)
Treads.....	front (ins) 89, rear (ins) 89
Size.....	(ins) 14.00 x 20
Pressure.....	(see current instructions)

Weight and Dimensions

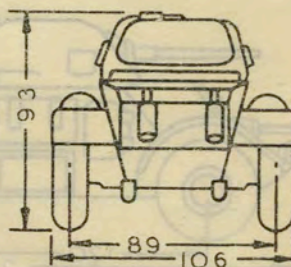
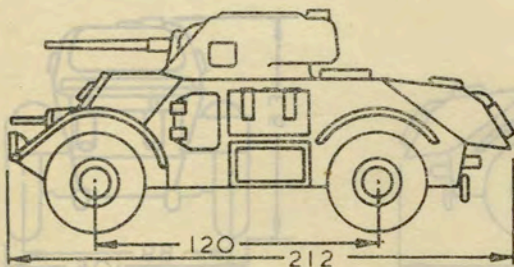
Laden weight (front axle).....	(lbs).....	13440
Laden weight (rear axle).....	(lbs).....	15680
Turning circle (minimum).....	(ft).....	57
Ground clearance (minimum).....	(ins).....	14
Wheelbase (front to rear).....	(ins).....	120
Shipping space (deck area).....	(sq ft).....	160
Shipping space (standing).....	(cu ft).....	1200
Dimensions overall.....	(see drawing below)	

Publications Applying

Maintenance manual.....	TM 9-1744
Parts list.....	SNL G-122
Waterproofing instrs (chassis).....	72/533

Additional Data

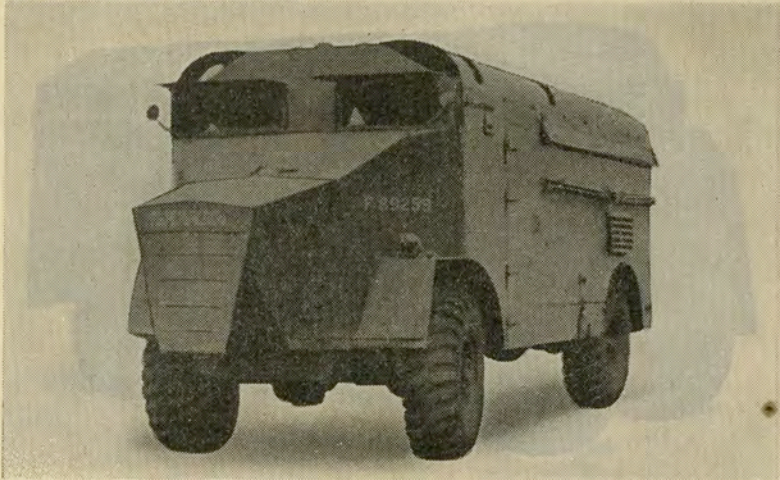
Power weight ratio, 13.50 bhp per ton. Maximum tractive effort, 1470 lbs per ton. (Has 2 engines, with fluid couplings to common transfer case.)



ARMoured COMMAND VEHICLE, HIGH POWER

(Matador, 4 x 4, 151 wb)

Manufacturer—Associated Equipment Co.



Spring loaded blind on side is rolled out and with supports forms awning

Operational Role—Used by RC Sigs at Armd Div HQ as HP wrls control terminal for comn between main and rear corps and between main and rear div. Also serves as office for members div staff. (HP eqpt for longer ranges than LP veh.)

Equipment—Wireless—53 transmitter, R107 receiver, No. 19 set, RCA amplifier, remote control unit, generator, btys. Armament—.303 Bren gun, .45 sub MG and rifles. Body has 2 compartments, fwd one with seats, mapboard, headphones for SOs; rear for wrls ops. Armour thickness—rad cover 10 mm, body sides 12 mm, rear 12 mm, roof 5 mm.

Performance

Bridge classification.....(per MTP 74).....	12
Maximum gradability.....(per cent).....	44
Trench crossing.....no channels	
Fording depth.....(ins).....	36
Angle of approach.....(deg).....	42
Angle of departure.....(deg).....	36
Fuel consumption (average).....(mpg).....	9
Maximum speed.....(mph).....	37

Engine Details

Manufacturer.....	AEC
Type.....	diesel, 4 cyc, 6 cyls in line
Size.....bore (ins) 4.13, stroke (ins) 5.74	
Power.....	.95 bhp at (rpm) 1780
Ignition.....	(compression ignition)
Capacity...fuel (gals) 40, water (qts) 24, oil (qts) 24	

Tires and Brakes

Hand brakes.....	mechanical (rear wheels)
Foot brakes.....	hydraulic (all wheels)
Treads.....front (ins) 75 $\frac{1}{8}$, rear (ins) 70 $\frac{1}{2}$	
Size.....	(ins) 13.50 x 20
Pressure.....	(see current instructions)

Weight and Dimensions

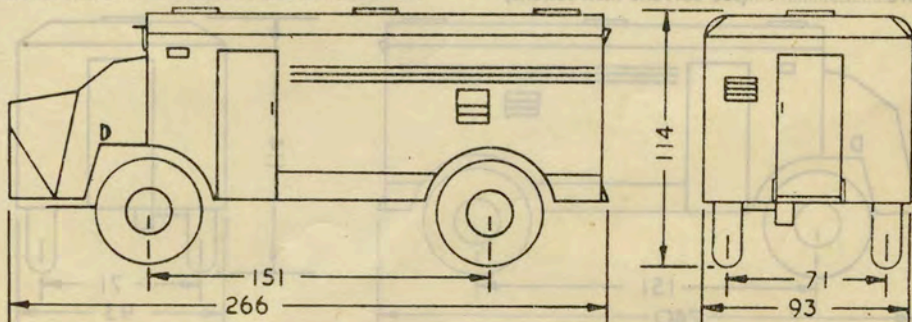
Laden weight (front axle).....(lbs).....	12200
Laden weight (rear axle).....(lbs).....	15000
Turning circle (minimum).....(ft).....	60
Ground clearance (minimum).....(ins).....	12
Wheelbase (front to rear).....(ins).....	151
Shipping space (deck area).....(sq ft).....	170
Shipping space (standing).....(cu ft).....	1640
Dimensions overall.....(see drawing below)	

Publications Applying

Maintenance manual.....	Chilwell 3501/16/2
Parts list.....	VAOS LV5/MAC
Waterproofing instrs (chassis).....	60/112

Additional Data

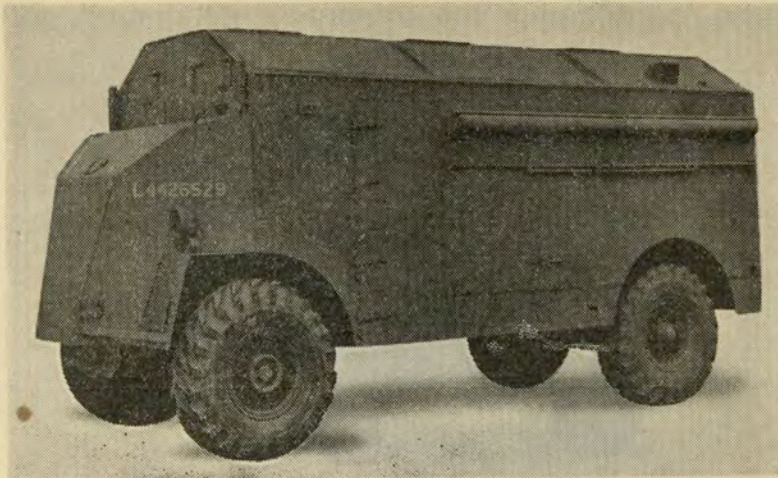
Power weight ratio, 8.65 bhp per ton. Maximum tractive effort, 1120 lbs per ton.



ARMoured COMMAND VEHICLE, LOW POWER

(Matador, 4 x 4, 151 wb)

Manufacturer—Associated Equipment Co.



Spring loaded blind on side is rolled out and with supports forms awning

Operational Role—Used by RC Sigs at Armd Div HQ as LP wrls control terminal for comn between main and rear corps and between main and rear div. Also serves as office for members div staff. (LP eqpt adopted for working shorter ranges than HP veh.)

Equipment—Wireless—No. 19 set, also No. 19 set HP with linear amplifier, generator, btys. Armament—.303 Bren gun, .45 sub MG, rifles. Body has 2 compartments, fwd one with 3 seats, mapboard, headphones for SOs; rear compartment for wrls ops. Armour thickness—rad cover 10 mm, body sides 12 mm, rear 12 mm, roof 5 mm.

Performance

Bridge classification.....	(per MTP 74).....	12
Maximum gradability.....	(per cent).....	44
Trench crossing.....	no channels	
Fording depth.....	(ins).....	36
Angle of approach.....	(deg).....	42
Angle of departure.....	(deg).....	36
Fuel consumption (average).....	(mpg).....	9
Maximum speed.....	(mph).....	37

Engine Details

Manufacturer.....	AEC
Type.....	diesel, 4 cyc, 6 cys in line
Size.....	bore (ins) 4.13, stroke (ins) 5.74
Power.....	95 bhp at (rpm) 1780
Ignition.....	(compression ignition)
Capacity...fuel (gals) 40, water (qts) 24, oil (qts) 24	

Tires and Brakes

Hand brakes.....	mechanical (rear wheels)
Foot brakes.....	hydraulic (all wheels)
Treads.....	front (ins) 75½, rear (ins) 70½
Size.....	(ins) 13.50 x 20
Pressure.....	(see current instructions)

Weight and Dimensions

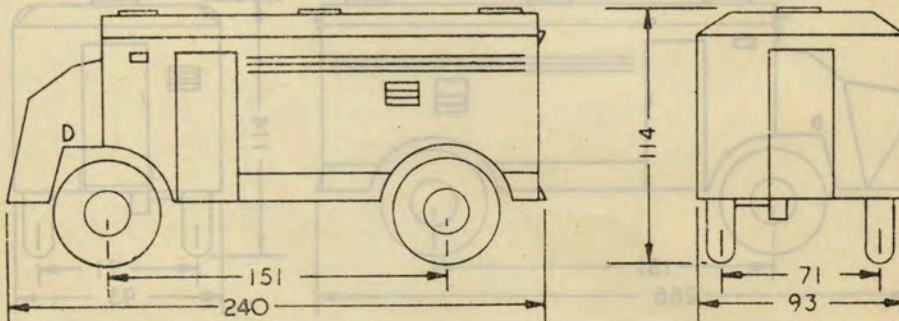
Laden weight (front axle).....	(lbs).....	12200
Laden weight (rear axle).....	(lbs).....	15000
Turning circle (minimum).....	(ft).....	60
Ground clearance (minimum).....	(ins).....	12
Wheelbase (front to rear).....	(ins).....	151
Shipping space (deck area).....	(sq ft).....	160
Shipping space (standing).....	(cu ft).....	1500
Dimensions overall.....	(see drawing below)	

Publications Applying

Maintenance manual.....	Chilwell 3501/16/2
Parts list.....	VAOS LV5/MAC
Waterproofing instrs (chassis).....	60/112

Additional Data

Power weight ratio, 8.65 bhp per ton. Maximum tractive effort, 1120 lbs per ton.



CARRIER, UNIVERSAL

(No. 3, Mark II and Mark II*, Welsh Guard Stowage)

Manufacturer—Ford Motor Co.

Vehicle Code—UC-4.

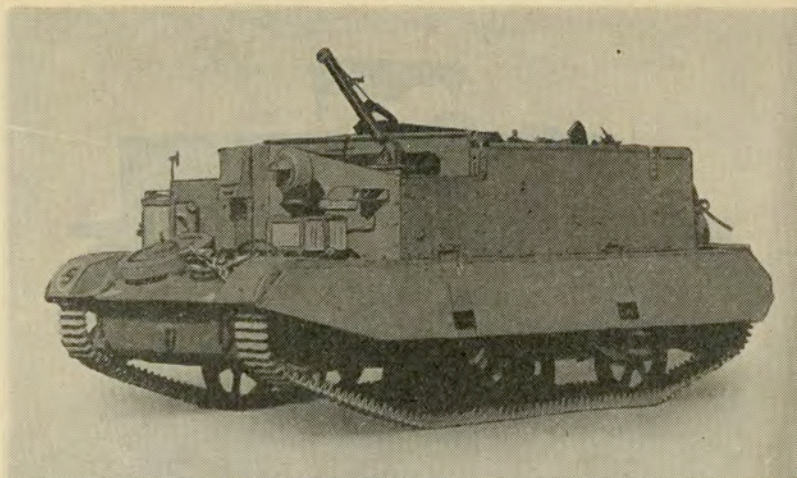


Photo shows 2-in mortar set up in firing position

Operational Role—Many roles and stowages. Used by Inf Bns to obtain concentrated fire power from selected positions; by Recce Regt for light armed recce on div front; for close contact recce; to hold outposts; ferry amn. Commanders and pl HQ carriers have WT sets. Used to carry recovery tackle for D-8 tractor (by RCEME).

Equipment—Armament—.303 Bren, .45 sub MG, 2-in mortar, smoke generator, 3 rifles, grenades. Armour thickness—hull front 10 mm, hull sides 7 mm, hull rear 7 mm, hull bottom 3 mm. Other equipment—sig pistol, flags, tools, spares, camouflage net, wireless set, MG tripod, POW containers, rations, anti-gas equipment, etc.

Performance

Bridge classification.....(per MTP 74).....	4
Maximum gradability.....(per cent).....	50
Trench crossing (width).....(ins).....	36
Fording depth.....(ins).....	20
Maximum vertical obstacle.....(ins).....	18
Fuel consumption (average).....(mpg).....	4
Maximum speed.....(mph).....	33

Engine Details

Manufacturer.....	Ford
Type.....	petrol, 4 cyc, 8 cyls, V-8
Size.....bore (ins) 3 1/16, stroke (ins) 3 3/4	
Power.....	85 bhp at (rpm) 3000
Ignition.....	battery (volts) 6
Capacity...fuel (gals) 20, water (qts) 20, oil (qts) 5	

Tracks and Brakes

Hand brakes.....	mechanical (rear drums)
Foot brakes.....	mechanical (rear drums)
Track (width).....	(ins) 9 1/2
Tracks (centre to centre).....	(ins) 62 1/2

Weight and Dimensions

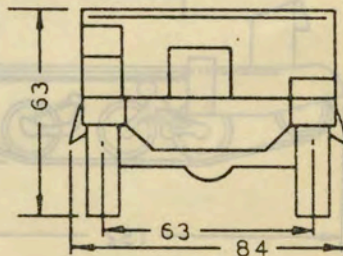
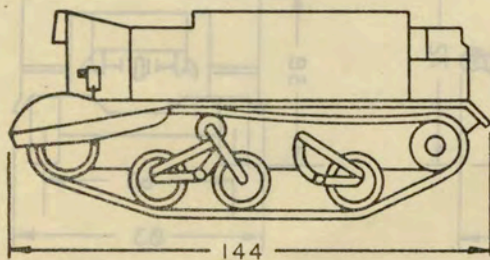
Laden weight (fully equipped).....(lbs).....	9800
Turning circle (minimum).....(ft).....	15
Ground clearance (minimum).....(ins).....	8
Ground pressure.....(lbs per sq in).....	6.4
Shipping space (deck area).....(sq ft).....	90
Shipping space (standing).....(cu ft).....	450
Dimensions overall.....(see drawing below)	

Publications Applying

Maintenance manual.....	UC-F2
Parts list.....	FUC-03
Waterproofing instrs (chassis).....	63/95

Additional Data

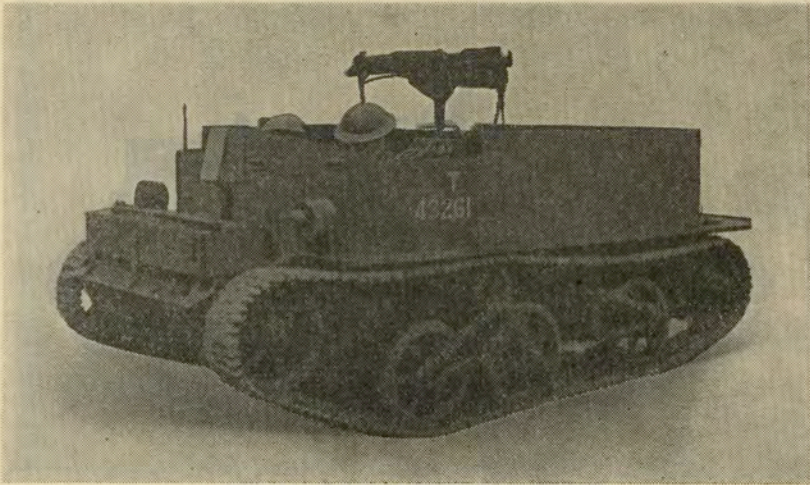
(Power weight ratio, 24.4 bhp per ton.)



CARRIER, MEDIUM MACHINE GUN

(No. 3, Mark II)

Manufacturer—Ford Motor Co.



Operational Role—Used by MG Bn, Motor Bn and Indep MG Coy to carry MG and crew over fire swept ground to selected fire position. Gives support fire as required. MG can be demounted and fired from ground.

Equipment—Armament—Vickers .303 MG, machine carbine, 4 rifles, PIAT. Armour thickness—hull front 10 mm, hull sides 7 mm, hull rear 7 mm, hull bottom 3 mm. Other equipment—(Commander's carriers have WT sets.) Tools, spares, cam net, POW containers, rations.

Performance

Bridge classification.....(per MTP 74).....	4
Maximum gradability.....(per cent).....	50
Trench crossing (width).....(ins).....	36
Fording depth.....(ins).....	20
Maximum vertical obstacle.....(ins).....	18
Fuel consumption (average).....(mpg).....	4
Maximum speed.....(mph).....	33

Engine Details

Manufacturer.....	Ford
Type.....	petrol, 4 cyc, 8 cyls, V-8
Size.....	bore (ins) 3 1/16, stroke (ins) 3 3/4
Power.....	85 bhp at (rpm) 3000
Ignition.....	battery (volts) 6
Capacity...fuel (gals) 20, water (qts) 20, oil (qts) 5	

Tracks and Brakes

Hand brakes.....	mechanical (rear drums)
Foot brakes.....	mechanical (rear drums)
Track (width).....	(ins) 9 1/2
Tracks (centre to centre).....	(ins) 62 1/2

Weight and Dimensions

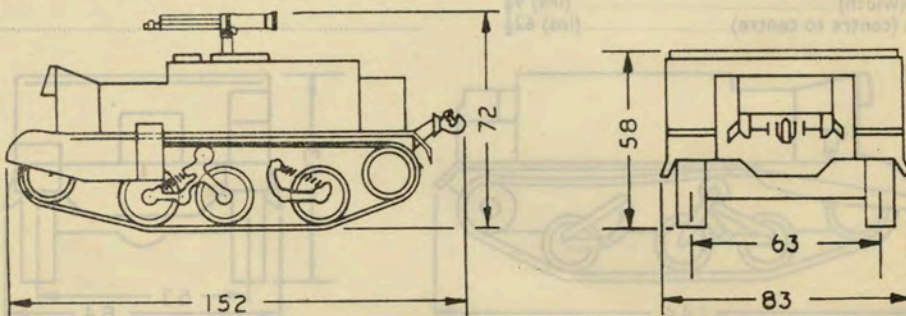
Laden weight (fully equipped).....(lbs).....	9800
Turning circle (minimum).....(ft).....	15
Ground clearance (minimum).....(ins).....	8
Ground pressure.....(lbs per sq in).....	6.4
Shipping space (deck area).....(sq ft).....	90
Shipping space (standing).....(cu ft).....	450
Dimensions overall.....(see drawing below)	

Publications Applying

Maintenance manual.....	UC-F2
Parts list.....	FUC-03
Waterproofing instrs (chassis).....	63/95

Additional Data

Power weight ratio, 24.4 bhp per ton.



CARRIER, 3-INCH MORTAR

(No. 3, Mark II)

Manufacturer—Ford Motor Co.

Vehicle Code—UC-2.

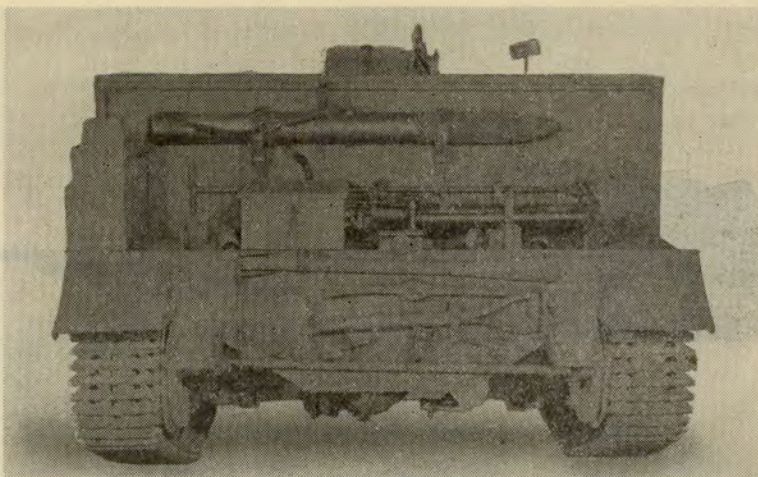


Photo shows carrier rear with mortar barrel; base plate is stowed on bow

Operational Role—Used by Inf Bn, Motor Bn and Recce Regt to carry mortar and crew across country, over fire swept ground to selected fire position. Gives support fire up to 3000 yards. Mortar demounted and fired from ground. Each carrier has two No. 38 WT sets (one generally man-packed to OP).

Equipment—Armament—3-in mortar, base plate, sighting gear, 5 rifles. Armour thickness—hull front 10 mm, hull sides 7 mm, hull rear 7 mm, hull bottom 3 mm. Other equipment—telephone sets D Mk V, cable laying gear, No. 18 WT set (if authorised), tools, spares, camouflage net.

Performance

Bridge classification.....	(per MTP 74).....	4
Maximum gradability.....	(per cent).....	50
Trench crossing (width).....	(ins).....	36
Fording depth.....	(ins).....	20
Maximum vertical obstacle.....	(ins).....	18
Fuel consumption (average).....	(mpg).....	4
Maximum speed.....	(mph).....	33

Engine Details

Manufacturer.....	Ford
Type.....	petrol, 4 cyc, 8 cyls, V-8
Size.....	bore (ins) 3 1/16, stroke (ins) 3 3/4
Power.....	85 bhp at (rpm) 3000
Ignition.....	battery (volts) 6
Capacity.....	fuel (gals) 20, water (qts) 20, oil (qts) 5

Tracks and Brakes

Hand brakes.....	mechanical (rear drums)
Foot brakes.....	mechanical (rear drums)
Track (width).....	(ins) 9 1/2
Tracks (centre to centre).....	(ins) 62 1/2

Weight and Dimensions

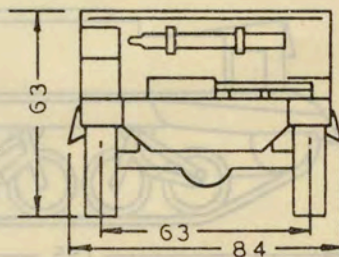
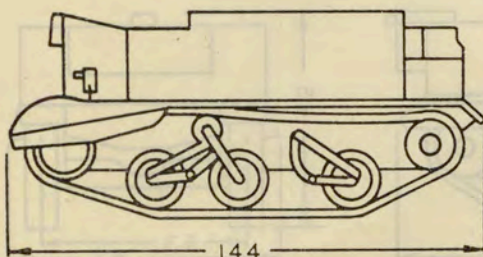
Laden weight (fully equipped).....	(lbs).....	9800
Turning circle (minimum).....	(ft).....	15
Ground clearance (minimum).....	(ins).....	8
Ground pressure.....	(lbs per sq in).....	6.4
Shipping space (deck area).....	(sq ft).....	90
Shipping space (standing).....	(cu ft).....	450
Dimensions overall.....	(see drawing below)	

Publications Applying

Maintenance manual.....	UC-F2
Parts list.....	FUC-03
Waterproofing instrs (chassis).....	63/95

Additional Data

(Power weight ratio, 24.4 bhp per ton.)



CARRIER, UNIVERSAL, T16

(T16, Mark I)

Manufacturer—Ford Motor Co. (U.S.).

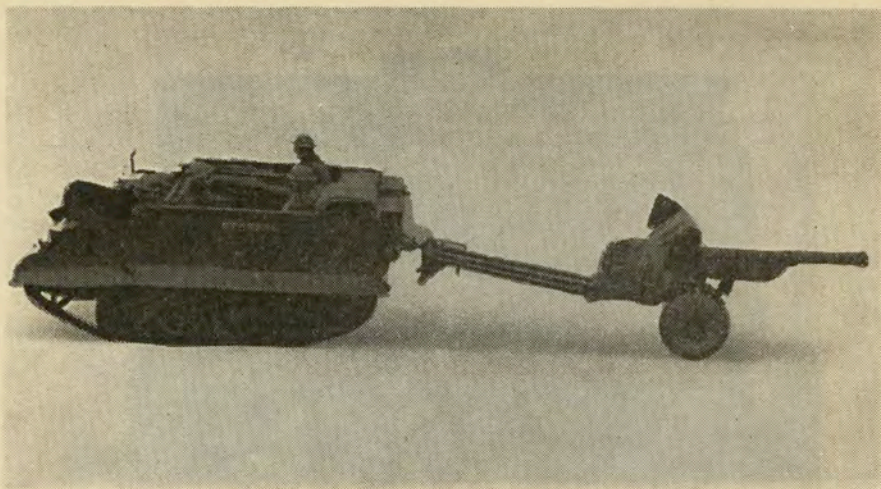


Photo shows carrier with normal stowage in towing role

Operational Role—Used by Atk Regt and by Atk platoons of Motor Bn and Inf Bn as tractor for 6-pr gun. Gun and amn thus transported over fire swept ground to selected fire position. (Normally, 6 carriers with 4 guns, four towing guns, two laden with amn.)

Equipment—Carrier towing has crew of 5, 2-inch mortar, gun tools. Amn carrier, crew of 3, including 2 gun numbers, Bren MG, spare gun wheel, gun side shields, first line amn. Tools, spares, camouflage nets, rations, POW carriers. Armour thickness—hull front 13/32 in, hull sides 9/32 in, hull rear 9/32 in, hull bottom 1/8 in.

Performance

Bridge classification..... (per MTP 74).....	4
Maximum gradability..... (per cent).....	50
Trench crossing (width)..... (ins).....	36
Fording depth..... (ins).....	36
Maximum vertical obstacle..... (ins).....	18
Fuel consumption (average)..... (mpg).....	4
Maximum speed..... (mph).....	30

Engine Details

Manufacturer.....	Ford
Type.....	petrol, 4 cyc, 8 cyls, V-8
Size.....	bore (ins) 3 3/16, stroke (ins) 3 1/2
Power.....	100 bhp at (rpm) 3600
Ignition.....	battery (volts) 12
Capacity.....	fuel (gals) 18, water (qts) 21, oil (qts) 5

Tracks and Brakes

Hand brakes.....	mechanical (rear drums)
Foot brakes.....	mechanical (rear drums)
Track (width).....	(ins) 9 1/2
Tracks (centre to centre).....	(ins) 62 1/2

Weight and Dimensions

Laden weight (fully equipped)..... (lbs).....	9500
Turning circle (minimum)..... (ft).....	34
Ground clearance (minimum)..... (ins).....	10
Ground pressure..... (lbs per sq in).....	6.4
Shipping space (deck area)..... (sq ft).....	90
Shipping space (standing)..... (cu ft).....	450
Dimensions overall.....	(see drawing below)

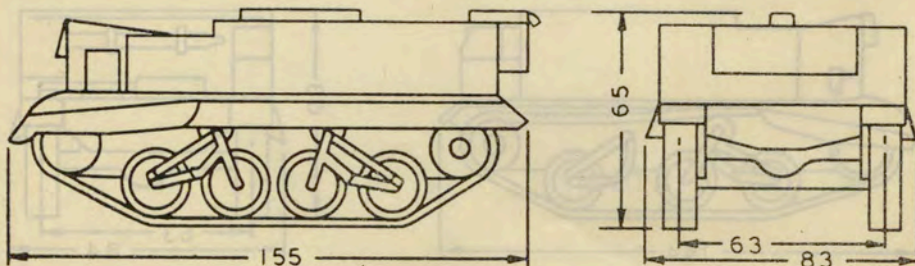
Publications Applying

Maintenance manual.....	TM9-746
Parts list.....	SNL G-166
Waterproofing instrs (chassis).....	72/656

Additional Data

(For bridge classification when towing gun, see current instructions. Power weight ratio, 23.7 bhp per ton.)

Steering is done by differential brakes which slow down drive sprocket on either side as required.



CARRIER, 4.2-INCH MORTAR

(T16, Mark I)

Manufacturer—Ford Motor Co. (U.S.).

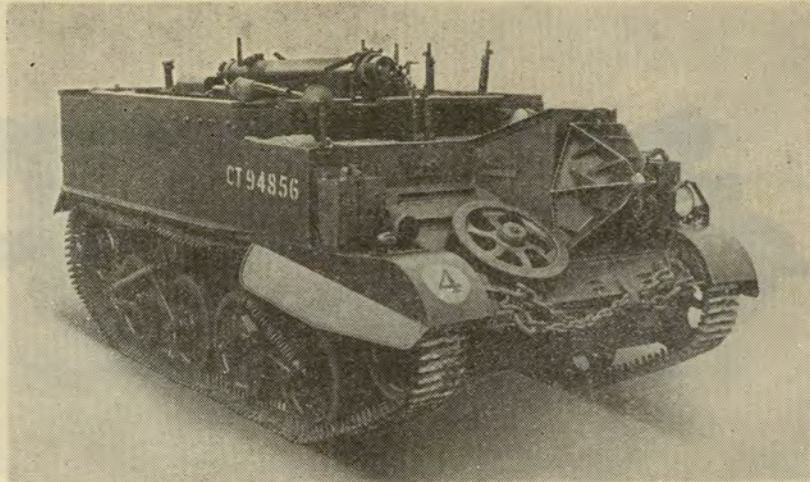


Photo shows carrier with mortar base plate on bow, barrel on centre bulkhead

Operational Role—Used by MG Bn and Indep MG Coy to carry 4.2-in mortar over fire swept ground to selected fire position. Heavy div support weapon. Ranges with 20 lb bombs to 4000 yds. Mortar is demounted, fired from ground.

Equipment—Mortar carrier has mortar, base plate, bipod. No. 1 Sec Comd's has WT set, Bren MG, PIAT, mortar amn. No. 2 Sec Comd's has Bren MG, mortar amn. 2 IC's has WT set, field phone, cable. Pl Comd's has WT set, field phone, sub MG, cable. All carry crew rifles, tools, spares, cam nets, rations, POW carriers. Armour thickness—hull front 13/32 in, sides 9/32 in, rear 9/32 in, bottom 1/8 in.

Performance

Bridge classification.....(per MTP 74).....	4
Maximum gradability.....(per cent).....	50
Trench crossing (width).....(ins).....	36
Fording depth.....(ins).....	36
Maximum vertical obstacle.....(ins).....	18
Fuel consumption (average).....(mpg).....	4
Maximum speed.....(mph).....	30

Engine Details

Manufacturer.....	Ford
Type.....	petrol, 4 cyc, 8 cyla, V-8
Size.....	bore (ins) 3 3/16, stroke (ins) 3 3/4
Power.....	100 bhp at (rpm) 3600
Ignition.....	battery (volts) 12
Capacity...fuel (gals) 18, water (qts) 21, oil (qts) 5	

Tracks and Brakes

Hand brakes.....	mechanical (rear drums)
Foot brakes.....	mechanical (rear drums)
Track (width).....	(ins) 9 1/2
Tracks (centre to centre).....	(ins) 62 1/2

Weight and Dimensions

Laden weight (fully equipped).....(lbs).....	9500
Turning circle (minimum).....(ft).....	34
Ground clearance (minimum).....(ins).....	10
Ground pressure.....(lbs per sq in).....	6.4
Shipping space (deck area).....(sq ft).....	90
Shipping space (standing).....(cu ft).....	450
Dimensions overall.....	(see drawing below)

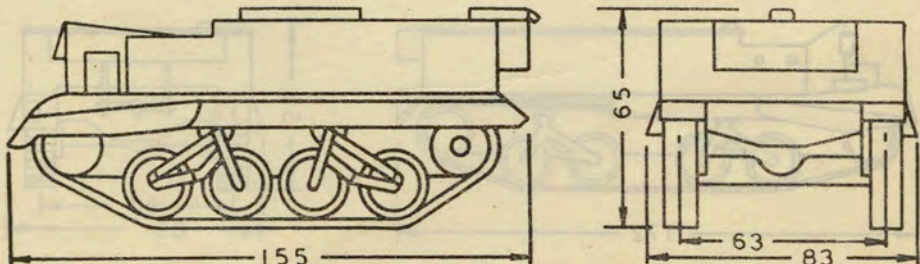
Publications Applying

Maintenance manual.....	TM 9-746
Parts list.....	SNL G-166
Waterproofing instrs (chassis).....	72/656

Additional Data

(Brit fmns have used this carrier to tow trailer carrying 4.2-in mortar.)

Steering is done by differential brakes which slow down drive sprocket on either side as required.



FAT CARRIER, UNIVERSAL

(Windsor)

Manufacturer—Ford Motor Co.

Vehicle Code—UC-5.

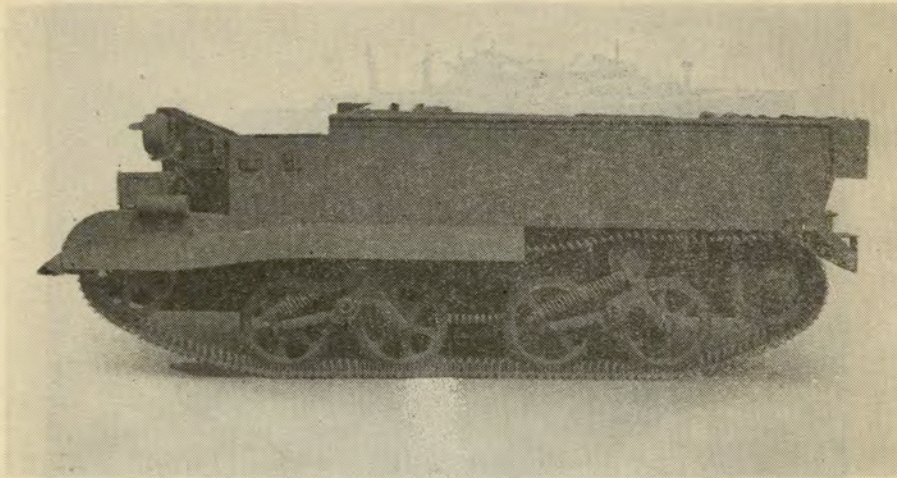


Photo shows typical carrier without stowage for any particular tactical role

Operational Role— Possible roles similar to T16 carrier. (Present roles of T16, subject to change, are to tow 6-pr gun and to transport 4.2-in mortar, also complementary tac roles such as comd's carrier, amn carrier, etc.)

Equipment—Stowage will include armament, WT sets, field phones, small arms, according to allotted role. Standard accessories include tools, spares, tarpaulin, cam net, POW carriers, rations, etc. Armour thickness max $\frac{3}{8}$ in, min $\frac{1}{4}$ in.

Performance

Bridge classification.....	(per MTP 74)	5
Maximum gradability.....	(per cent)	50
Trench crossing (width).....	(ins)	63
Fording depth.....	(ins)	36
Maximum vertical obstacle.....	(ins)	23
Fuel consumption (average).....	(mpg)	4
Maximum speed.....	(mph)	30

Engine Details

Manufacturer.....	Ford
Type.....	petrol, 4 cyc, 8 cyls, V-8
Size.....	bore (ins) 3 $\frac{3}{16}$, stroke (ins) 3 $\frac{3}{4}$
Power.....	95 bhp at (rpm) 3600
Ignition.....	battery (volts) 12
Capacity...fuel (gals) 22, water (qts) 21, oil (qts) 4	

Tracks and Brakes

Hand brakes.....	mechanical (rear drums)
Foot brakes.....	mechanical (rear drums)
Track (width).....	(ins) 10
Tracks (centre to centre).....	(ins) 63

Weight and Dimensions

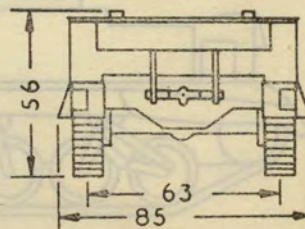
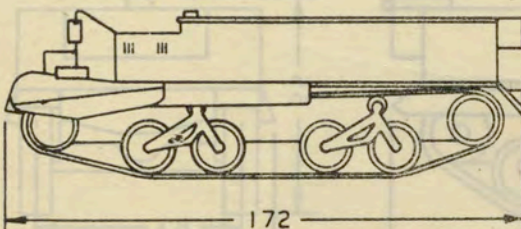
Laden weight (fully equipped).....	(lbs)	10820
Turning circle (minimum).....	(ft)	17
Ground clearance (minimum).....	(ins)	10
Ground pressure.....	(lbs per sq in)	7.2
Shipping space (deck area).....	(sq ft)	100
Shipping space (standing).....	(cu ft)	470
Dimensions overall.....	(see drawing below)	

Publications Applying

Maintenance manual.....	WC-OM1
Parts list.....	(not available)
Waterproofing instrs (chassis).....	(not available)

Additional Data

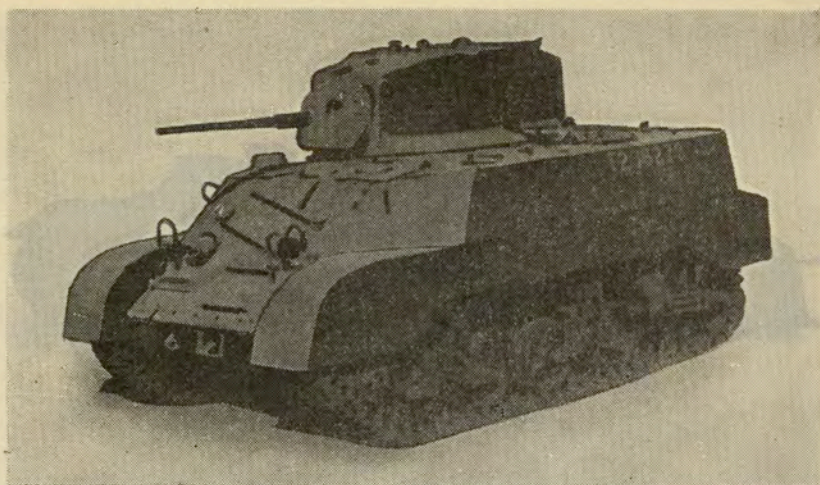
(This vehicle is essentially elongated Universal with 8 bogey wheels and 95 hp engine. Has better stability and gradability than Universal).



ARMOUR TANK, LIGHT (M3A3)

(Stuart V, M3A3)

Manufacturer—American Car and Foundry.



Operational Role—Used by Arm'd Regt and Arm'd Recce Regt for reconnaissance on a regimental front because of extreme mobility and good fire power. Essential in locating anti-tank gun screens.

Equipment—Armament—37 mm gun (gyro stabiliser), three .30 MGs (one fixed), .45 sub MG. Observation—periscopes, direct laying telescope. Communication—No. 19 WT set, interphone, sig pistol. Spares, tools, rations, etc. Armour thickness—turret front 1 1/2 in, body 1 1/4 in, hull front 1 1/8 in, sides 1 in.

Performance

Bridge classification.....	(per MTP 74).....	14
Maximum gradability.....	(per cent).....	57
Trench crossing (width).....	(ins).....	72
Fording depth.....	(ins).....	40
Maximum vertical obstacle.....	(ins).....	24
Fuel consumption (average).....	(mpg).....	2
Maximum speed.....	(mph).....	36

Engine Details

Manufacturer.....	Continental
Type.....	petrol, air-cooled, 4 cyc, 7 cyls, radial
Size.....	bore (ins) 5 1/8, stroke (ins) 4 5/8
Power.....	242 bhp at (rpm) 2400
Ignition.....	magneto
Capacity.....	fuel (gals) 80, water (qts) na, oil (qts) 20

Tracks and Brakes

Hand brakes.....	steering (on transmission)
Foot brakes.....	none
Track (width).....	(ins) 11 3/8
Tracks (centre to centre).....	(ins) 73

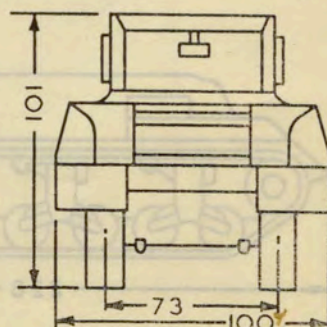
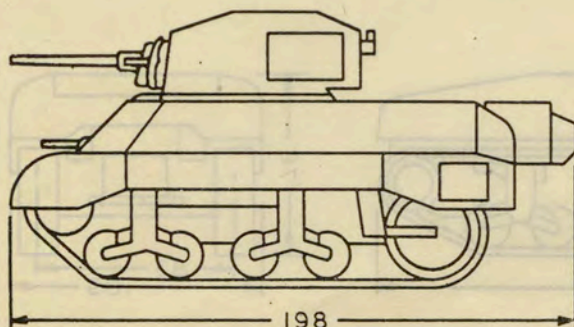
Weight and Dimensions

Laden weight (fully equipped).....	(lbs).....	30900
Turning circle (minimum).....	(ft).....	45
Ground clearance (minimum).....	(ins).....	11
Ground pressure.....	(lbs per sq in).....	10.56
Shipping space (deck area).....	(sq ft).....	140
Shipping space (standing).....	(cu ft).....	1160
Dimensions overall.....	(see drawing below)	

Publications Applying

Maintenance manual.....	TM 9-727
Parts list.....	SNL G-103
Waterproofing instrs (chassis).....	72/469

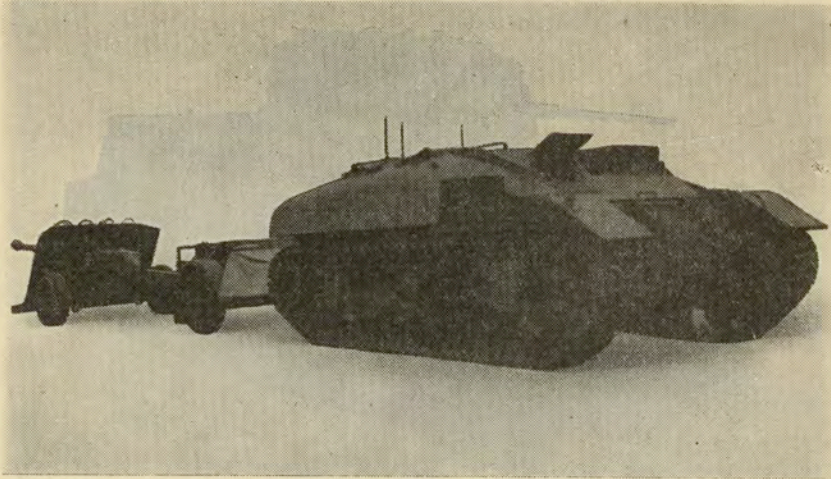
Additional Data



ARMoured GUN TOWER

(RAM II)

Manufacturer—Montreal Locomotive Works.



Tank has bow attachment to push gun into firing position while remaining hull down

Operational Role—Used in anti-tank role by Anti-Tank Regiment in the Armoured Division in support of infantry. Gun can be towed over fire swept ground to selected fire position.

Equipment—(In this role turret removed.) **Armament**—.30 cal MG, .45 cal sub MG, rifles. Observation-periscopes, binoculars. **Communication**—No. 19 WT set, interphone. Spares, tools, rations, etc. **Armour thickness**—front $1\frac{3}{4}$ to $3\frac{1}{2}$ in, sides $1\frac{1}{2}$ to $2\frac{1}{2}$ in, top $1\frac{1}{2}$ to 3 in, rear $1\frac{1}{2}$ in.

Performance

Bridge classification.....(per MTP 74).....	30
Maximum gradability.....(per cent).....	60
Trench crossing (width).....(ins).....	72
Fording depth.....(ins).....	36
Maximum vertical obstacle.....(ins).....	24
Fuel consumption (average).....(mpg).....	1
Maximum speed.....(mph).....	25

Engine Details

Manufacturer.....	Continental
Type.....	petrol, air-cooled, 4 cyc, 9 cyla, radial
Size.....	bore (ins) 5, stroke (ins) $5\frac{1}{2}$
Power.....	400 bhp at (rpm) 2400
Ignition.....	magneto
Capacity..fuel (gals) 150, water (qts) na, oil (qts) 30	

Tracks And Brakes

Hand brakes.....	steering (on transmission)
Foot brakes.....	(hand parking brake)
Track (width).....	(ins)..... $16\frac{1}{2}$
Tracks (centre to centre).....	(ins).....83

Weight and Dimensions

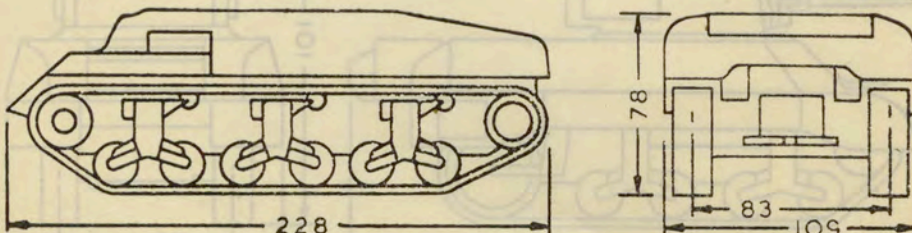
Laden weight (fully equipped).....(lbs).....	55000
Turning circle (minimum).....(ft).....	62
Ground clearance (minimum).....(ins).....	17
Ground pressure.....(lbs per sq in).....	13
Shipping space (deck area).....(sq ft).....	170
Shipping space (standing).....(cu ft).....	1120
Dimensions overall.....(see drawing below)	

Publications Applying

Maintenance manual.....	Ram II Instr Book
Parts list.....	Ram II Parts List
Waterproofing instrs (chassis).....	Chilwell 73/17

Additional Data

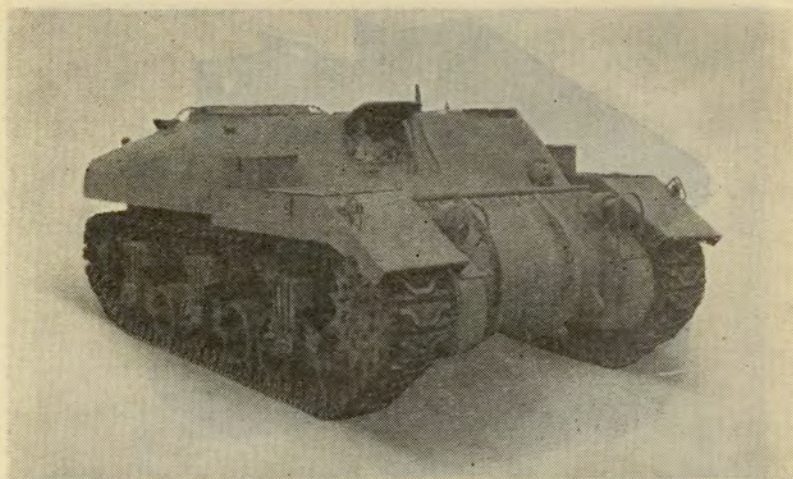
(For bridge classification when towing 17-pr, see current instructions.)



ARMoured PERSONNEL CARRIER

(Ram II)

Manufacturer—Montreal Locomotive Works.



Operational Role—(1) As armd personnel carrier to carry inf fwd for the assault ; (2) As armd amn carrier by armd regts to carry amn to tanks in action ; (3) As flame throwing tank in conjunction with inf in assault to warm up pill boxes, etc.

Equipment—Turret, basket and main armament of Ram II removed for all above roles. Bow MG and No. 19 WT set retained. Stowage changed. Personnel carrier (called Kangaroo) carries 11 men in battle order, and crew; has tow-hook, can be used alternatively as gun tower. Amn carrier is fitted with hatch cover of BP armour plate over turret ring. Flame thrower (called Wasp) is fitted with 4 tanks for oxygen, carbon dioxide, oil; in this role, bow MG is replaced with flame gun.

Performance

Bridge classification.....(per MTP 74).....	30
Maximum gradability.....(per cent).....	60
Trench crossing (width).....(ins).....	72
Fording depth.....(ins).....	36
Maximum vertical obstacle.....(ins).....	24
Fuel consumption (average).....(mpg).....	1
Maximum speed.....(mph).....	25

Engine Details

Manufacturer.....	Continental
Type.....	petrol, air-cooled, 4 cyc, 9 cyls, radial
Size.....	bore (ins) 5, stroke (ins) 5½
Power.....	400 bhp at (rpm) 2400
Ignition.....	magneto
Capacity..fuel (gals) 150, water (qts) na, oil (qts) 30	

Tracks and Brakes

Hand brakes.....	steering on (transmission)
Foot brakes.....	(hand parking brake)
Track (width).....	(ins) 16½
Tracks (centre to centre).....	(ins) 83

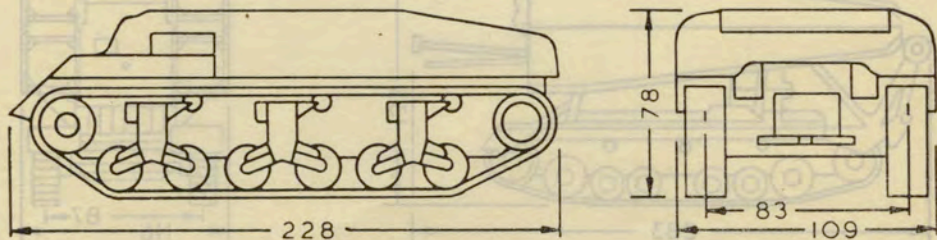
Weight and Dimensions

Laden weight (fully equipped).....(lbs).....	55000
Turning circle.....(ft).....	62
Ground clearance (minimum).....(ins).....	17
Ground pressure.....(lbs per sq in).....	13
Shipping space (deck area).....(sq ft).....	170
Shipping space (standing).....(cu ft).....	1120
Dimensions overall.....	(see drawing below)

Publications Applying

Maintenance manual.....	Ram II Instr Book
Parts list.....	Ram II Parts List
Waterproofing instrs (chassis).....	Chilwell 73/17

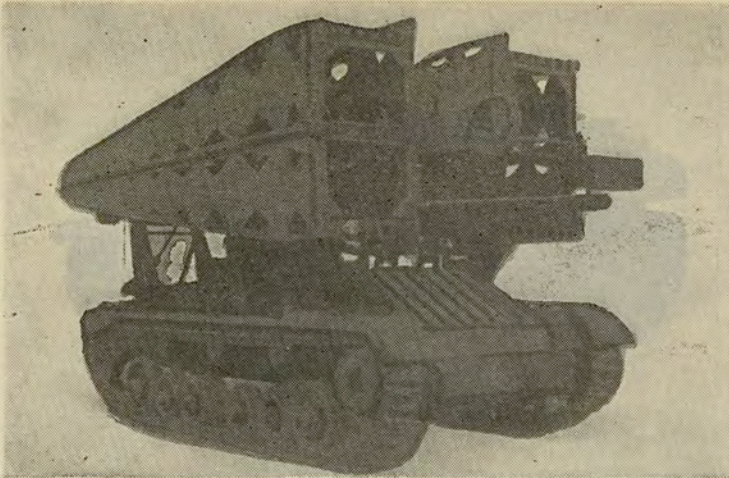
Additional Data



TANK, BRIDGE LAYING

(Valentine)

Manufacturer—Various UK firms.



Bridge swings upward toward bow, then opens and lowers (rear view above)

Operational Role—Used by Armd Bde HQ during the attack to retain the momentum of the advance by bridging short gaps on the brigade front with the minimum delay, if necessary against opposition.

Equipment—Carries scissors bridge spanning 30 ft for Class 30 Tracked, Class 12 four wheeled, and Class 18 six-wheeled vehicles. Bridge members centrally hinged, carried closed on roof. Launched over gaps by power from tank engine, which drives special gear box operating long feed-out screw. Carries small arms, bridge tools, rations, etc. Armour thickness—hull 60 mm.

Performance

Bridge classification.....(per MTP 74)	18
Maximum gradability.....(per cent)	32
Trench crossing (width).....(ins)	90
Fording depth.....(ins)	36
Maximum vertical obstacle.....(ins)	24
Fuel consumption (average).....(mpg)	2
Maximum speed.....(mph)	12

Engine Details

Manufacturer.....	GMC
Type.....	diesel, dry sump, 2 cyc, 6 cyls in line
Size.....	bore (ins) 4½, stroke (ins) 5
Power.....	190 bhp at (rpm) 1900
Ignition.....	(compression ignition)
Capacity...fuel (gals) 46, water (qts) 38, oil (qts) 32	

Tracks and Brakes

Hand brakes.....	steering (on transmission)
Foot brakes.....	(pedal operates steering brakes)
Track (width).....	(ins) 14
Tracks (centre to centre).....	(ins) 87

Weight and Dimensions

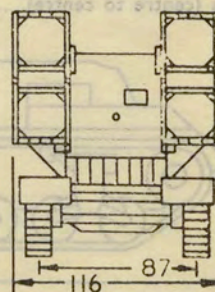
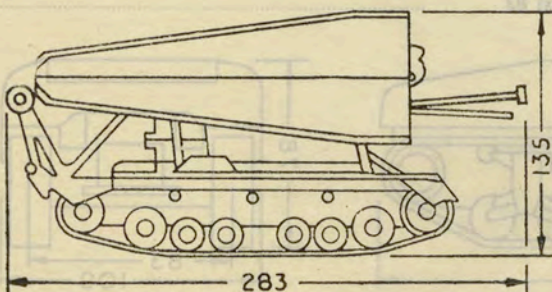
Laden weight (fully equipped).....(lbs)	43120
Turning circle (minimum).....(ft)	40
Ground clearance (minimum).....(ins)	16
Ground pressure.....(lbs per sq in)	11.15
Shipping space (deck area).....(sq ft)	230
Shipping space (standing).....(cu ft)	2570
Dimensions overall.....	(see drawing below)

Publications Applying

Maintenance manual.....	Chilwell 62/520
Parts list.....	Chilwell 62/442
Waterproofing instrs (chassis).....	Chilwell 62/550

Additional Data

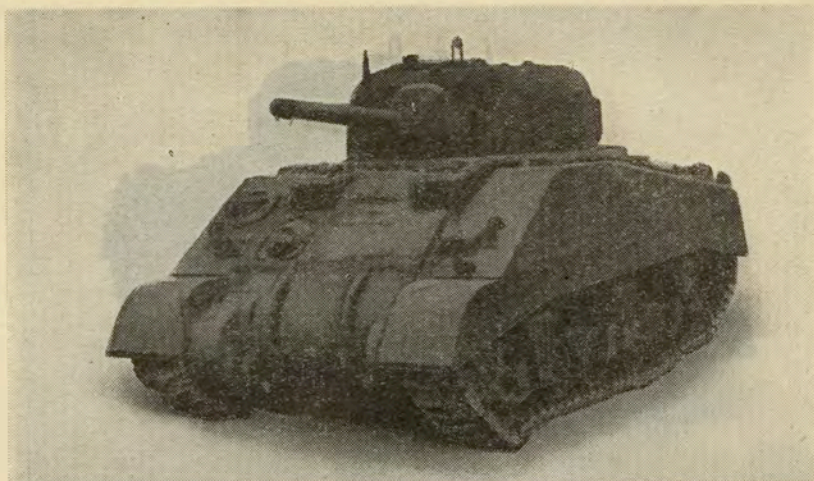
Power weight ratio 6.6 bhp per short ton. Total tank and engine oil capacity is given.



TANK, COMMAND

(Sherman, M4A2 or M4A4)

Manufacturer—GMC, Chrysler and others.



Interior stowage is re-arranged to accommodate both gun and two WT sets

Operational Role—Used by Armd Div and Armd Bde HQ Comds as battle HQ and may be rear link in Armd Regts or Armd Recce Regts for which purpose adequate wireless equipment installed.

Equipment—Armament—75 mm gun (gyro stabiliser), .50 MG, two .30 MGs, .45 sub MG, smoke mortar. Observation—4 periscopes, binoculars. Communication—No. 19 WT set, also No. 19 set with amplifier, interphone, sig pistol. Spares, tools, rations, etc. Armour thickness—turret front, 3 in, sides, 2 in ; hull front 2 in, sides 1 1/2 in, rear 1 1/2 in.

Performance

Bridge classification.....(per MTP 74).....	33
Maximum gradability.....(per cent).....	60
Trench crossing (width).....(ins).....	72
Fording depth.....(ins).....	40
Maximum vertical obstacle.....(ins).....	24
Fuel consumption (average).....(mpg).....	1
Maximum speed.....(mph).....	25

Engine Details

Manufacturer.....	GMC
Type.....	diesel, dry sump, 2 cyc, 6 cyls in line
Size.....	bore (ins) 4 1/4, stroke (ins) 5
Power (each engine).....	190 bhp at (rpm) 2100
Ignition.....	(compression ignition)
Capacity, fuel (gals) 120, water (qts) 96, oil (qts) 50	

Tracks and Brakes

Hand brakes.....	steering (on transmission)
Foot brakes.....	(hand parking brake)
Track (width).....	(ins) 16 9/16
Tracks (centre to centre).....	(ins) 83

Weight and Dimensions

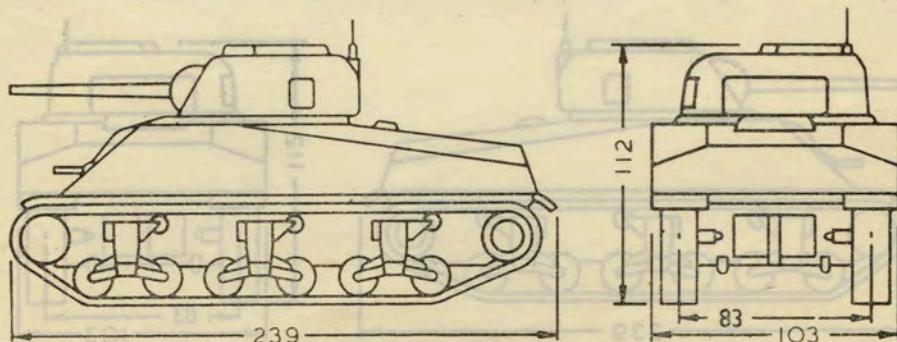
Laden weight (fully equipped).....(lbs).....	70000
Turning circle (minimum).....(ft).....	70
Ground clearance (minimum).....(ins).....	18
Ground pressure.....(lbs per sq in).....	13.3
Shipping space (deck area).....(sq ft).....	170
Shipping space (standing).....(cu ft).....	1630
Dimensions overall.....(see drawing below)	

Publications Applying

Maintenance manual M4A2.....	TM 9-731 B
Parts list.....	SNL G-104
Waterproofing instrs (chassis).....	72/571

Additional Data

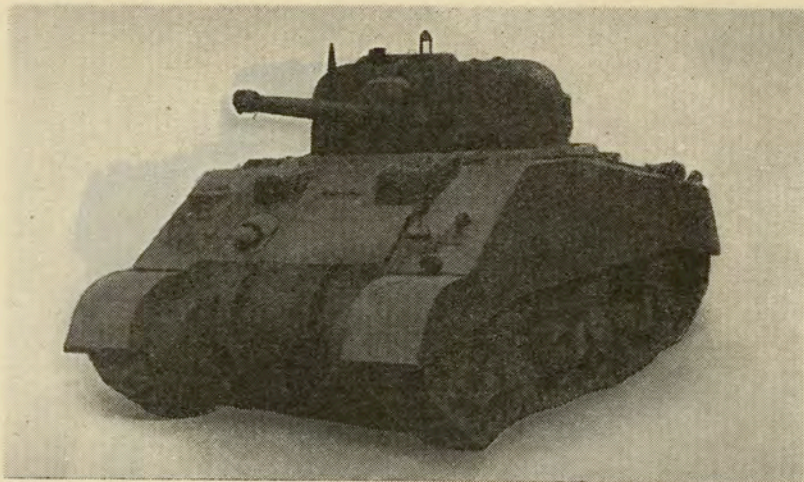
Power unit on M4A2 is twin diesels as above. (Capacities above are total.) For M4A4 engine see Tank, Control.



TANK, CONTROL

(Sherman, M4A2 or M4A4)

Manufacturer—GMC, Chrysler and others.



Interior stowage re-arranged to accommodate gun and two VV I sets

Operational Role—Used by Armd Regts and Armd Recce Regts as regtl comds battle HQ. Adequate wireless equipment installed; also held by Armd Div and Bde HQ's for use in comd defence coy, and as forward and rear links.

Equipment—Armament—75 mm gun (gyro stabiliser), .50 MG, two .30 MGs, .45 sub MG, smoke mortar. Observation—4 periscopes, binoculars. Communication—Two No. 19 sets (LP) interphone, sig pistol. Spares, tools, rations, etc. Armour thickness—turret front, 3 in, sides 2 in; hull front 2 in, sides 1 1/2 in, rear 1 1/2 in.

Performance

Bridge classification.....(per MTP 74).....	33
Maximum gradability.....(per cent).....	60
Trench crossing (width).....(ins).....	72
Fording depth.....(ins).....	40
Maximum vertical obstacle.....(ins).....	24
Fuel consumption (average).....(mpg).....	1
Maximum speed.....(mph).....	25

Engine Details

Manufacturer.....	Chrysler
Type (each).....	petrol, 4 cys, 6 cys in line
Size.....bore (ins) 3 7/16, stroke (ins) 4 1/2	
Power (each engine).....	90 bhp at (rpm) 2400
Ignition.....	battery (volts) 24
Capacity, fuel (gals) 130, water (qts) 100, oil (qts) 25	

Tracks and Brakes

Hand brakes.....	steering (on transmission)
Foot brakes.....	(hand parking brake)
Track (width).....(ins) 16 9/16	
Tracks (centre to centre).....(ins) 83	

Weight and Dimensions

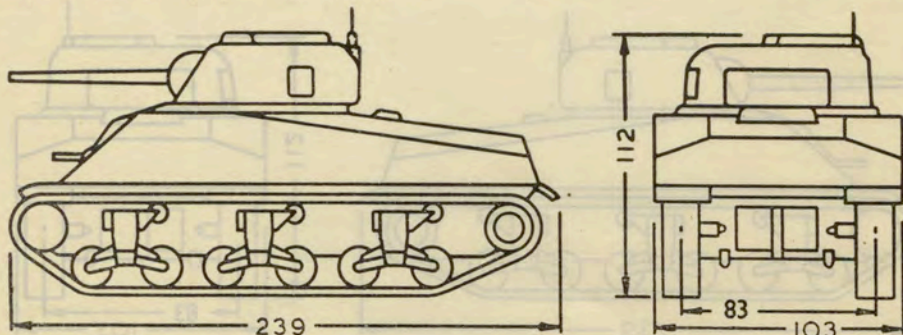
Laden weight (fully equipped).....(lbs).....	71900
Turning circle (minimum).....(ft).....	70
Ground clearance (minimum).....(ins).....	17
Ground pressure.....(lbs per sq in).....	13.3
Shipping space (deck area).....(sq ft).....	170
Shipping space (standing).....(cu ft).....	1590
Dimensions overall.....(see drawing below)	

Publications Applying

Maintenance manual M4A4.....	TM 9-754
Parts list.....	SNL G-104
Waterproofing instrs (chassis).....	72/572

Additional Data

Power unit M4A4, Chrysler multi-bank, 5 engines as above radially arranged. (Capacities above are total.) For M4A2 engine see Tank, Command.



TANK, CRUISER

(Sherman, M4A2 or M4A4)

Manufacturer—GMC, Chrysler and others.

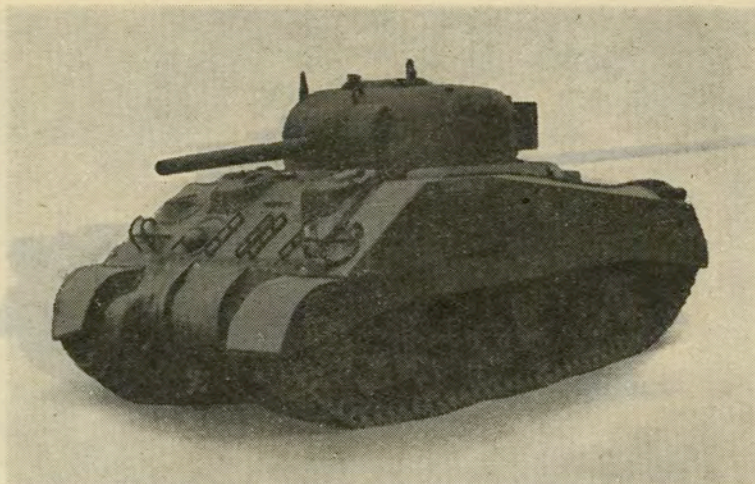


Photo shows reinforcing armour plate on side of hull

Operational Role—Used for exploitation in attack, deep penetration, to counter enemy AFVs, to support infantry in attack or defence. Core of arm'd div, well arm'd, great fire power, mobility across country. Held by Arm'd Regts and Arm'd Recce Regts.

Equipment—Armament—75 mm gun (gyro stabiliser), .50 MG, two .30 MGs, .45 sub MG, smoke mortar. Observation—4 periscopes, binoculars. Communication—No. 19 WT set, interphone, sig pistol. Spares, tools, rations, etc. Armour thickness—turret front, 3 in, sides 2 in; hull front 2 in, sides 1 1/2 in, rear 1 1/2 in.

Performance

Bridge classification.....(per MTP 74).....	33
Maximum gradability.....(per cent).....	60
Trench crossing (width).....(ins).....	72
Fording depth.....(ins).....	40
Maximum vertical obstacle.....(ins).....	24
Fuel consumption (average).....(mpg).....	1
Maximum speed.....(mph).....	25

Engine Details

Manufacturer.....	GMC
Type.....	diesel, dry sump, 2 cyc, 6 cyls in line
Size.....	bore (ins) 4 1/4, stroke (ins) 5
Power (each engine).....	190 bhp at (rpm) 2100
Ignition.....	(compression ignition)
Capacity..fuel (gals) 120, water (qts) 96, oil (qts) 50	

Tracks and Brakes

Hand brakes.....	steering (on transmission)
Foot brakes.....	(hand parking brake)
Track (width).....	(ins) 16 9/16
Tracks (centre to centre).....	(ins) 83

Weight and Dimensions

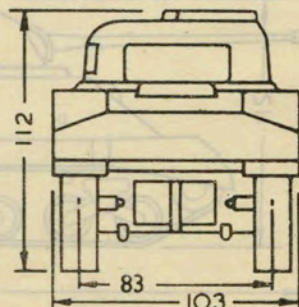
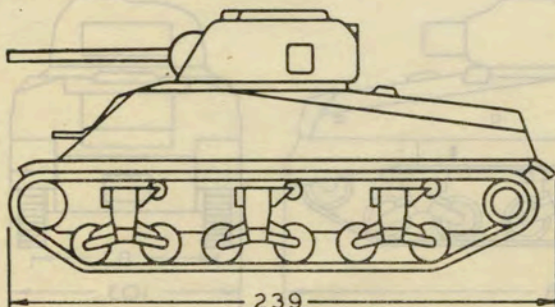
Laden weight (fully equipped).....(lbs).....	70000
Turning circle (minimum).....(ft).....	70
Ground clearance (minimum).....(ins).....	18
Ground pressure.....(lbs per sq in).....	13.3
Shipping space (deck area).....(sq ft).....	170
Shipping space (standing).....(cu ft).....	1630
Dimensions overall.....(see drawing below)	

Publications Applying

Maintenance manual M4A2.....	TM 9-731 B
Parts list.....	SNL G-104
Waterproofing instrs (chassis).....	72/571

Additional Data

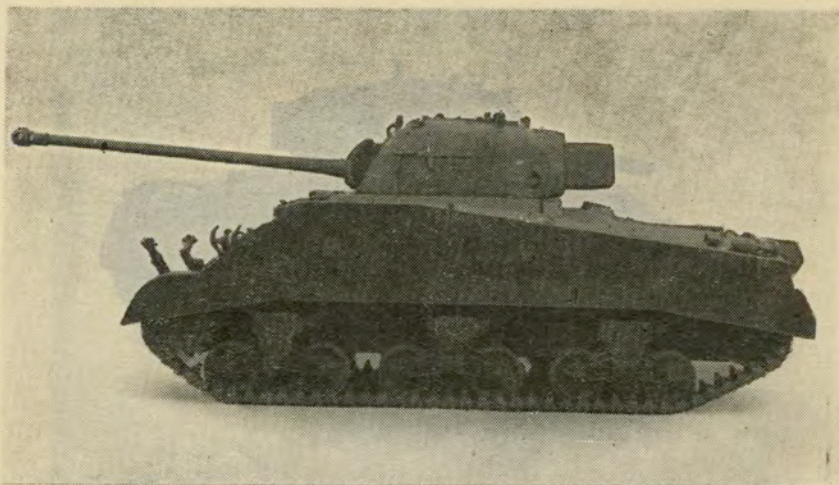
Power unit on M4A2 is twin diesels as above. (Capacities above are total.) For M4A4 engine see Tank, Control.



TANK, CRUISER

(Sherman VC, M4A4)

Manufacturer—Detroit Tank Arsenal (Chrysler).



On the march, gun is depressed and supported by travelling cradle on bow

Operational Role—(Present status) Issued on scale of one per tp in Armd Regt armed with Shermans. The 17-pr is powerful counter to enemy AFVs. Normal role is "hole punching" in attack.

Equipment—Armament—17-pr (field sighting gear), .50 cal MG, .30 cal MG, .45 sub MG, smoke mortar. Observation—periscopes, binoculars. Communication—No. 19 WT set, interphone, sig pistol. Spares, tools, rations, etc. Armour thickness—turret 2 in, hull front 2 in, hull sides 1½ in.

Performance

Bridge classification.....	(per MTP 74).....	33
Maximum gradability.....	(per cent).....	60
Trench crossing (width).....	(ins).....	72
Fording depth.....	(ins).....	40
Maximum vertical obstacle.....	(ins).....	24
Fuel consumption (average).....	(mpg).....	1
Maximum speed.....	(mph).....	25

Engine Details

Manufacturer.....	Chrysler
Type (each).....	petrol, 4 cyc, 6 cyls in line
Size.....	bore (ins) 3 7/16, stroke (ins) 4½
Power (each engine).....	90 bhp at (rpm) 2400
Ignition.....	battery (volts) 24
Capacity fuel (gals) 130, water (qts) 100, oil (qts) 25	

Tracks and Brakes

Hand brakes.....	steering (on transmission)
Foot brakes.....	(hand parking brake)
Track (width).....	(ins) 16 9/16
Tracks (centre to centre).....	(ins) 83

Weight and Dimensions

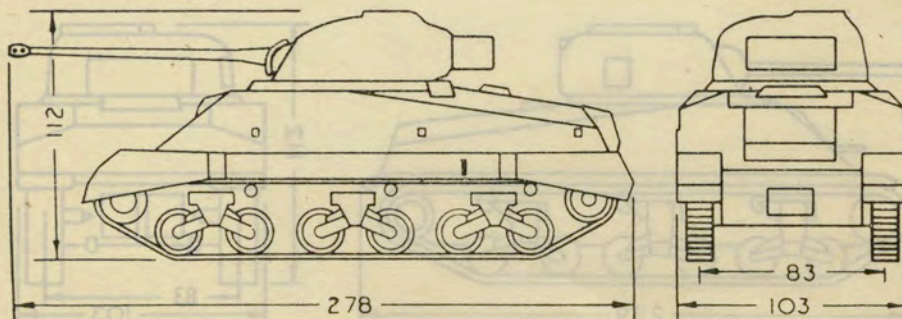
Laden weight (fully equipped).....	(lbs).....	78000
Turning circle (minimum).....	(ft).....	75
Ground clearance (minimum).....	(ins).....	17
Ground pressure.....	(lbs per sq in).....	13.3
Shipping space (deck area).....	(sq ft).....	200
Shipping space (standing).....	(cu ft).....	1870
Dimensions overall.....	(see drawing below)	

Publications Applying

Maintenance manual.....	TM 9-754
Parts list.....	SNL G-104
Waterproofing instrs (chassis).....	(not available)

Additional Data

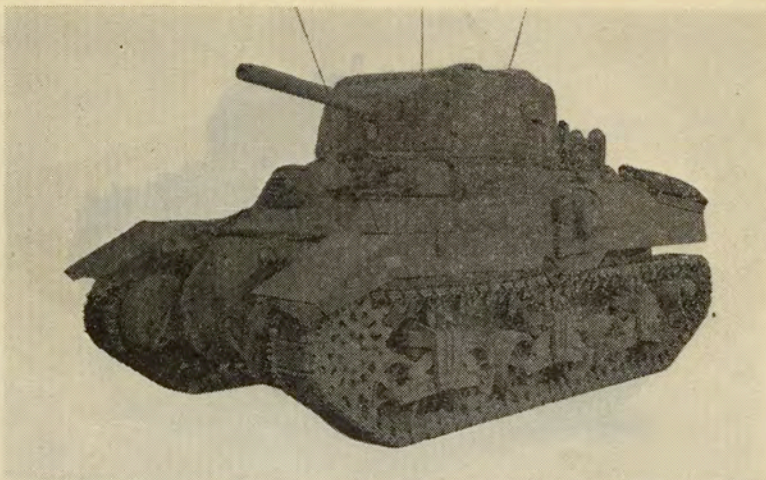
Power unit is Chrysler multi-bank, five engines as above, radially arranged.



TANK, OBSERVATION POST

(Ram II)

Manufacturer—Montreal Locomotive Works.



Ram II supersedes Ram I (above) but dummy gun, cable reel, antennae are the same

Operational Role—Used by Fd Regt SP, by Fd Regt in Armd Div and by Armd Bde HQ as an arm'd observation post to co-ordinate supporting arty fire for armour and infantry, and to control arty fire.

Equipment—Armament—two .30 cal MG, two .45 sub MGs, smoke mortar. Observation—periscopes, protoscope, binoculars. Communication—WT, two No. 19, one No. 18, two No. 38 (portable to OP); interphone, sig pistol. Spares, tools, rations, etc. Armour thickness—turret 2 in, hull front 1 3/4 to 3 1/2 in, sides 1 1/2 to 2 1/2 in, top 1 1/2 to 3 in.

Performance

Bridge classification.....(per MTP 74).....	30
Maximum gradability.....(per cent).....	60
Trench crossing (width).....(ins).....	72
Fording depth.....(ins).....	36
Maximum vertical obstacle.....(ins).....	24
Fuel consumption (average).....(mpg).....	1
Maximum speed.....(mph).....	25

Engine Details

Manufacturer.....	Continental
Type.....	petrol, air-cooled, 4 cyc, 9 cyls, radial
Size.....	bore (ins) 5, stroke (ins) 5 1/2
Power.....	400 bhp at (rpm) 2400
Ignition.....	magneto
Capacity..fuel (gals) 150, water (qts) na, oil (qts) 30	

Tracks and Brakes

Hand brakes.....	steering (on transmission)
Foot brakes.....	(hand parking brake)
Track (width).....	(ins) 16 1/2
Tracks (centre to centre).....	(ins) 83

Weight and Dimensions

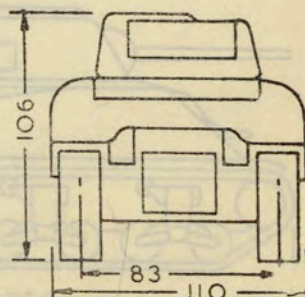
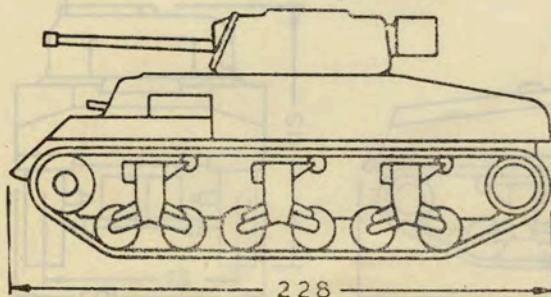
Laden weight (fully equipped).....(lbs).....	65000
Turning circle (minimum).....(ft).....	62
Ground clearance (minimum).....(ins).....	17
Ground pressure.....(lbs per sq in).....	13.8
Shipping space (deck area).....(sq ft).....	170
Shipping space (standing).....(cu ft).....	1480
Dimensions overall.....(see drawing below)	

Publications Applying

Maintenance manual.....	CMD-LW1
Parts list.....	Ram II Parts List and OP Supplmt
Waterproofing instrs (chassis).....	Chilwell 73/17

Additional Data

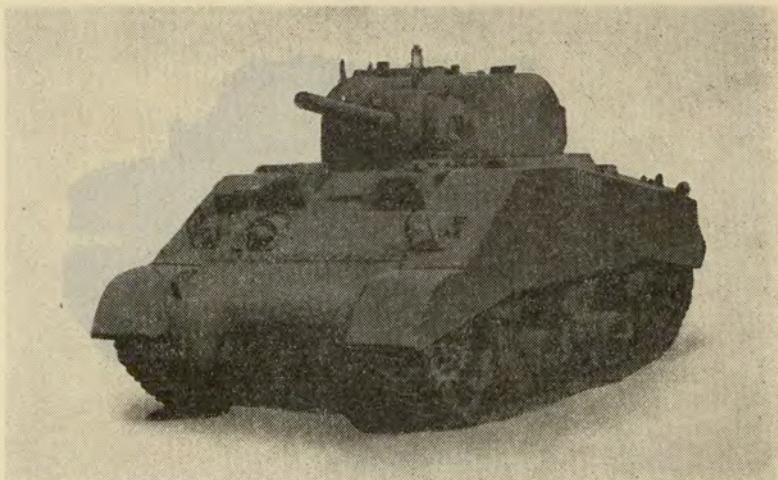
Power weight ratio, 12.5 bhp per short ton.



TANK, OBSERVATION POST

(Sherman, M4A2 or M4A4)

Manufacturer—Several U.S. manufacturers.



Operational Role—Used by Fd Regt SP, by Fd Regt in Armd Div and by Armd Bde HQ as an armoured observation post to co-ordinate supporting arty fire for armour and infantry, and to control arty fire.

Equipment—Armament—75 mm gun (gyro stabiliser), .50 MG, .30 MG, .45 sub MG, smoke mortar. Observation—Periscopes, binoculars. Communication—WT, two No. 19, one No. 18, two No. 38 (portable to OP); interphone, sig pistol. Spares, tools, rations, etc. Armour thickness—turret front 3 in, sides 2 in; hull front 2 in, sides 1 1/2 in.

Performance

Bridge classification.....(per MTP 74).....	33
Maximum gradability.....(per cent).....	60
Trench crossing (width).....(ins).....	72
Fording depth.....(ins).....	40
Maximum vertical obstacle.....(ins).....	24
Fuel consumption (average).....(mpg).....	1
Maximum speed.....(mph).....	25

Engine Details

Manufacturer.....	Chrysler
Type (each).....	petrol, 4 cys, 6 cys in line
Size.....	bore (ins) 3 7/16, stroke (ins) 4 1/2
Power (each engine).....	90 bhp at (rpm) 2400
Ignition.....	battery (volts) 24
Capacity, fuel (gals) 130, water (qts) 100, oil (qts) 25	

Tracks and Brakes

Hand brakes.....	steering (on transmission)
Foot brakes.....	(hand parking brake)
Track (width).....	(ins) 16 9/16
Tracks (centre to centre).....	(ins) 83

Weight and Dimensions

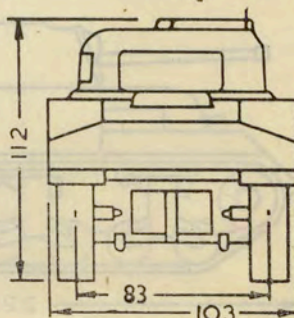
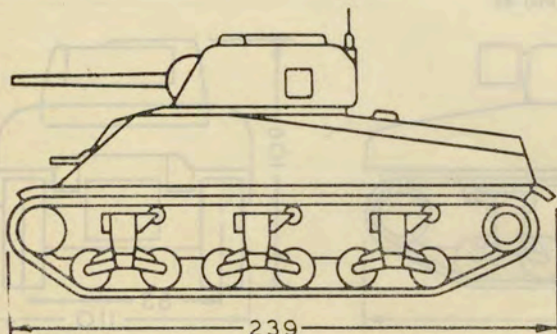
Laden weight (fully equipped).....(lbs).....	71900
Turning circle (minimum).....(ft).....	70
Ground clearance (minimum).....(ins).....	17
Ground pressure.....(lbs per sq in).....	13.3
Shipping space (deck area).....(sq ft).....	170
Shipping space (standing).....(cu ft).....	1590
Dimensions overall.....	(see drawing below)

Publications Applying

Maintenance manual M4A4.....	TM 9-754
Parts list.....	SNL G-104
Waterproofing instrs (chassis).....	72/530

Additional Data

Power unit on M4A4 is Chrysler multi-bank, 5 engines as above radially arranged. (Capacities above are total.) For M4A2 engine, see Tank, Command.



TANK, RECOVERY

(Sherman, M4A4)

Manufacturer—Detroit Tank Arsenal (Chrysler), hull only.



Recovery tanks on 40-ton trailers showing grousers and jib boom stowed on hull nearside

Operational Role—Used by Armd Regt and Armd Recce Regt for rec of bogged or bellied vehicles to hull down position where unit fitters can work. Also by RCME to rec casualties out of range, (after that they go to repair area on 40-ton trailer.)

Equipment—Turret and main armament removed. Recovery equipment includes oxy-acetylene welding and cutting plant, jib crane with 3-ton chain block, 15-ton snatch block, holdfasts, 100 ft steel cable, draw-bars, grousers, etc. Has 2 Bren MGs, .303 Browning MG, No. 19 WT set, sig pistol, tools, spares, etc. Armour same as M4A2.

Performance

Bridge classification.....	(per MTP 74).....	33
Maximum gradability.....	(per cent).....	60
Trench crossing (width).....	(ins).....	72
Fording depth.....	(ins).....	40
Maximum vertical obstacle.....	(ins).....	24
Fuel consumption (average).....	(mpg).....	1
Maximum speed.....	(mph).....	29

Engine Details

Manufacturer.....	Chrysler
Type (each).....	petrol, 4 cyc, 6 cyls in line
Size.....	bore (ins) 3 7/16, stroke (ins) 4 1/2
Power (each engine).....	90 bhp at (rpm) 2400
Ignition.....	battery (volts) 24
Capacity, fuel (gals) 130, water (qts) 100, oil (qts) 25	

Tracks and Brakes

Hand brakes.....	steering (on transmission)
Foot brakes.....	(hand parking brake)
Track (width).....	(ins) 16 9/16
Tracks (centre to centre).....	(ins) 83

Weight and Dimensions

Laden weight (fully equipped).....	(lbs).....	60000
Turning circle (minimum).....	(ft).....	75
Ground clearance (minimum).....	(ins).....	17
Ground pressure.....	(lbs per sq in).....	13.3
Shipping space (deck area).....	(sq ft).....	170
Shipping space (standing).....	(cu ft).....	1100
Dimensions overall.....	(see drawing below)	

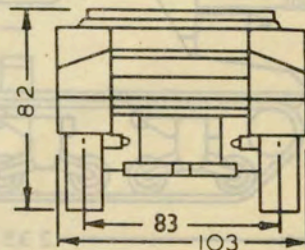
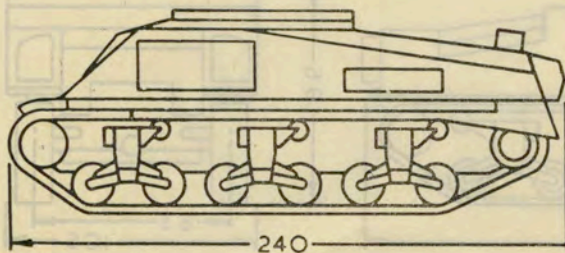
Publications Applying

Maintenance manual.....	TM 9-754
Parts list.....	SNL G-104
Waterproofing instrs (chassis).....	(not available)

Additional Data

Power unit is Chrysler multi-bank, 5 engines as above radially arranged, geared to operate as single unit. Capacities above are total.

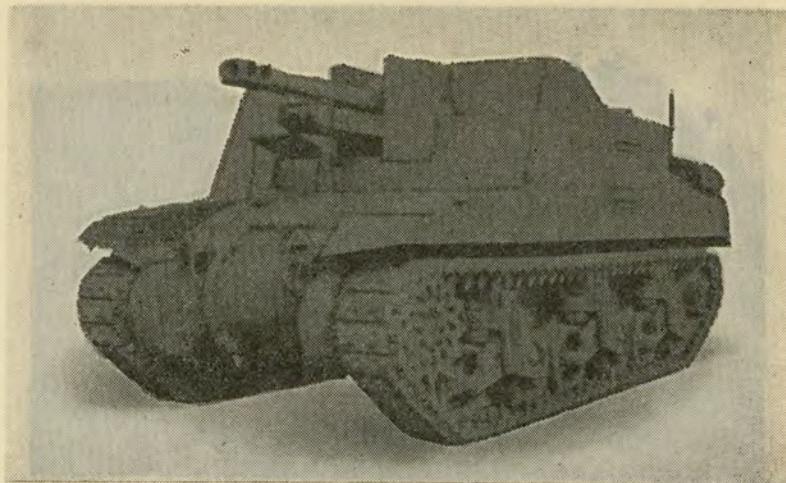
(Recent design, Mk II, replacing above, has winch and turret with dummy gun.)



25-PR, SELF-PROPELLED, TRACKED

(Sexton)

Manufacturer—Montreal Locomotive Works.



Operational Role—Used by SP Regt in Armd Div to give close artillery fire support to armd bde of armd div. Operates effectively because of cross country performance, armour, fire power.

Equipment—Armament—25-pr gun, (field sighting gear), 2 Bren MGs, 2 rifles. Observation—Telescope, periscopes. Communication—No. 19 WT set, amplifier, loudspeaker, cable for OP, sig pistol. Tools, spares, rations, etc. Armour thickness—upper hull front 3/4 in, upper hull sides 1/2 in, upper hull rear 1/2 in. Lower hull runs 2 1/2 in.

Performance

Bridge classification.....	(per MTP 74)	30
Maximum gradability.....	(per cent)	60
Trench crossing (width).....	(ins)	72
Fording depth.....	(ins)	40
Maximum vertical obstacle.....	(ins)	24
Fuel consumption (average).....	(mpg)	1
Maximum speed.....	(mph)	25

Engine Details

Manufacturer.....	Continental
Type.....	petrol, air-cooled, 4 cyc, 9 cys, radial
Size.....	bore (ins) 5, stroke (ins) 5 1/2
Power.....	400 bhp at (rpm) 2400
Ignition.....	magneto
Capacity..fuel (gals) 150, water (qts) na, oil (qts) 30	

Tracks and Brakes

Hand brakes.....	steering (on transmission)
Foot brakes.....	(hand parking brake)
Track (width).....	(ins) 16 1/2
Tracks (centre to centre).....	(ins) 83

Weight and Dimensions

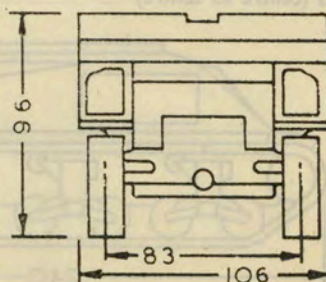
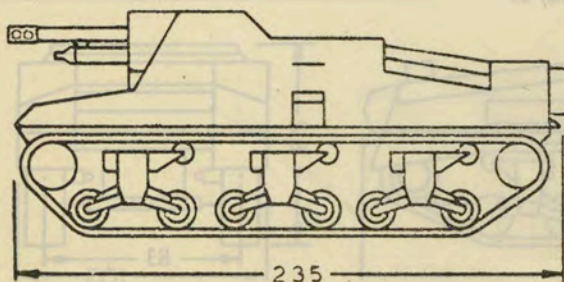
Laden weight (fully equipped).....	(lbs)	57000
Turning circle (minimum).....	(ft)	62
Ground clearance (minimum).....	(ins)	17
Ground pressure.....	(lbs per sq in)	12.2
Shipping space (deck area).....	(sq ft)	180
Shipping space (standing).....	(cu ft)	1400
Dimensions overall.....	(see drawing below)	

Publications Applying

Maintenance manual.....	SXN-LW1
Parts list.....	25 Pr SP A73
Waterproofing instrs (chassis).....	Chilwell 73/23

Additional Data

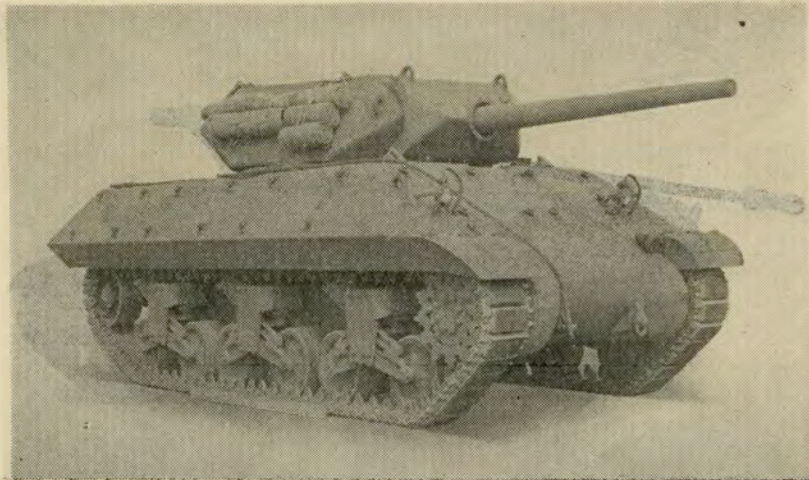
Power weight ratio, 14 bhp per short ton.



3-INCH, M10, SELF-PROPELLED, TRACKED

(Sherman, M10)

Manufacturer—Fisher Tank Division (GMC).



Operational Role—Used by Atk Regt in Armd Div, Atk Regt in Corps Troops, and by Atk Regt in Assault for anti-tank role. Two batteries armd div anti-tank regt equipped with these guns primarily to support armd bde.

Equipment—Armament—3-in gun (field sighting gear), .50 cal MG, .45 sub MG, rifles. Observation—3 periscopes, telescopic sight. Communication—No. 19 WT set, interphone, cable for OP, sig pistol. Spares, tools, rations, etc. Armour thickness—turret shield 2 1/4 in, sides 1 in; hull front 1 1/2 in, sides 1 in.

Performance

Bridge classification.....	(per MTP 74).....	33
Maximum gradability.....	(per cent).....	60
Trench crossing (width).....	(ins).....	72
Fording depth.....	(ins).....	36
Maximum vertical obstacle.....	(ins).....	24
Fuel consumption (average).....	(mpg).....	1
Maximum speed.....	(mph).....	25

Engine Details

Manufacturer.....	GMC
Type.....	diesel, dry sump, 2 cyc, 6 cyls in line
Size.....	bore (ins) 4 1/2, stroke (ins) 5
Power (each engine).....	190 bhp at (rpm) 2100
Ignition.....	(compression ignition)
Capacity, fuel (gals) 120, water (qts) 96, oil (qts) 45	

Tracks and Brakes

Hand brakes.....	steering (on transmission)
Foot brakes.....	(hand parking brake)
Track (width).....	(ins) 16 9/16
Tracks (centre to centre).....	(ins) 83

Weight and Dimensions

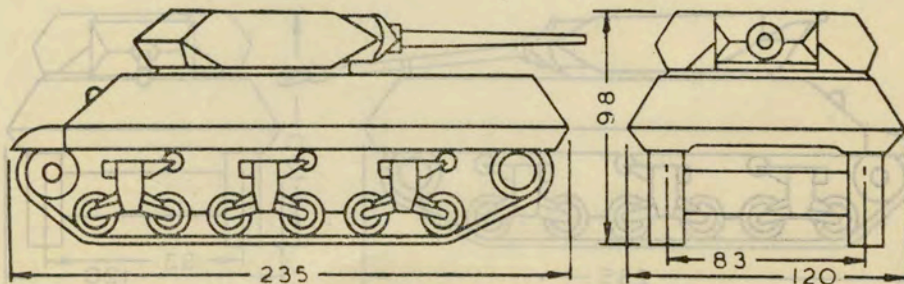
Laden weight (fully equipped).....	(lbs).....	66000
Turning circle (minimum).....	(ft).....	70
Ground clearance (minimum).....	(ins).....	18
Ground pressure.....	(lbs per sq in).....	13.5
Shipping space (deck area).....	(sq ft).....	200
Shipping space (standing).....	(cu ft).....	1600
Dimensions overall.....	(see drawing below)	

Publications Applying

Maintenance manual.....	TM 9-752A
Parts list.....	SNL G-130
Waterproofing instrs (chassis).....	(not available)

Additional Data

Power unit is two engines as above making twin six in rear of hull. Total tank and engine oil capacity given. Turret roof-less.



17-PR, M10, SELF-PROPELLED, TRACKED

(Sherman, M10 Chassis)

Manufacturer—Fisher Tank Division (GMC).

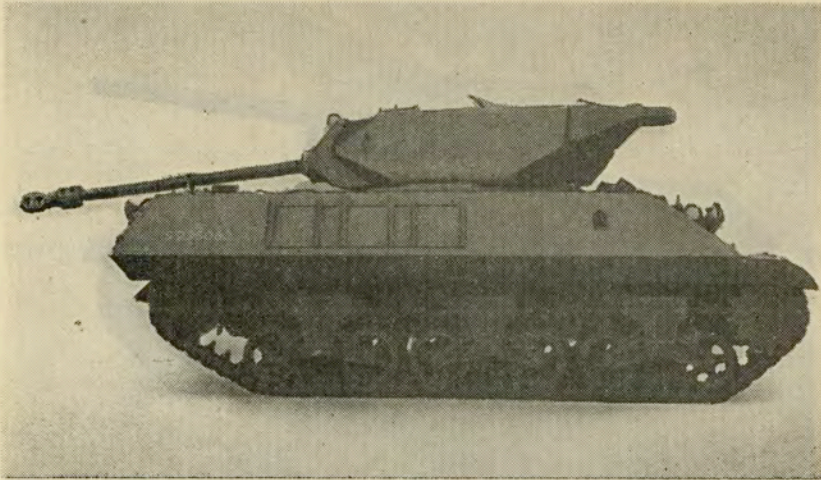


Photo shows gun in travelling position pointing to rear of vehicle

Operational Role—Used in anti-tank role by Atk Regt in Armd Div, Atk Regt in Corps Troops and by Atk Regt in assault. Two btys arm'd div Atk regt equipped with these guns primarily to support arm'd bde.

Equipment—Armament—17-pr (field sighting gear), .50 cal MG, .45 sub MG, smoke mortar, rifles. Observation—periscopes, binoculars, telescopic sight. Communication—No. 19 WT set, interphone, signal pistol. Tools, spares, rations, etc. Armour thickness—turret shield $2\frac{1}{2}$ in, sides 1 in; hull front $1\frac{1}{2}$ in, sides 1 in.

Performance

Bridge classification.....	(per MTP 74).....	33
Maximum gradability.....	(per cent).....	60
Trench crossing (width).....	(ins).....	72
Fording depth.....	(ins).....	36
Maximum vertical obstacle.....	(ins).....	24
Fuel consumption (average).....	(mpg).....	1
Maximum speed.....	(mph).....	25

Engine Details

Manufacturer.....	GMC
Type.....	diesel, dry sump, 2 cyc, 6 cyls in line
Size.....	bore (ins) $4\frac{1}{2}$, stroke (ins) 5
Power (each engine).....	190 bhp at (rpm) 2100
Ignition.....	(compression ignition)
Capacity.....	fuel (gals) 120, water (qts) 96, oil (qts) 45

Tracks and Brakes

Hand brakes.....	steering (on transmission)
Foot brakes.....	(hand parking brake)
Track (width).....	(ins) $16\frac{9}{16}$
Tracks (centre to centre).....	(ins) 83

Weight and Dimensions

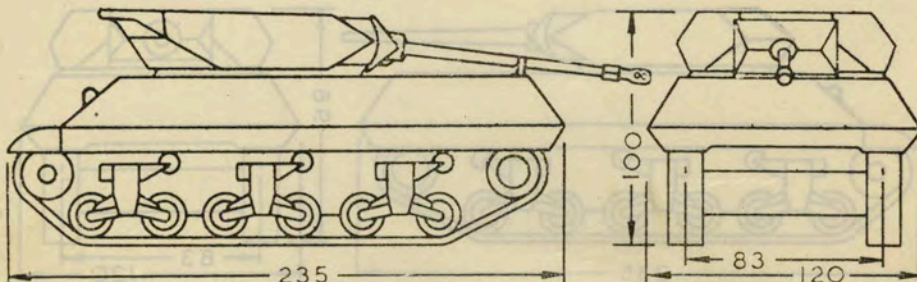
Laden weight (fully equipped).....	(lbs).....	66000
Turning circle (minimum).....	(ft).....	70
Ground clearance (minimum).....	(ins).....	18
Ground pressure.....	(lbs per sq in).....	13.5
Shipping space (deck area).....	(sq ft).....	230
Shipping space (standing).....	(cu ft).....	1900
Dimensions overall.....	(see drawing below)	

Publications Applying

Maintenance manual.....	TM 9-752A
Parts list.....	SNL G-130
Waterproofing instrs (chassis).....	(not available)

Additional Data

Turret is roofless, same as 3-in, M10. Large shipping space due to gun overhang. Ground pressure runs higher than shown.



SECOND SECTION

“B” Vehicles

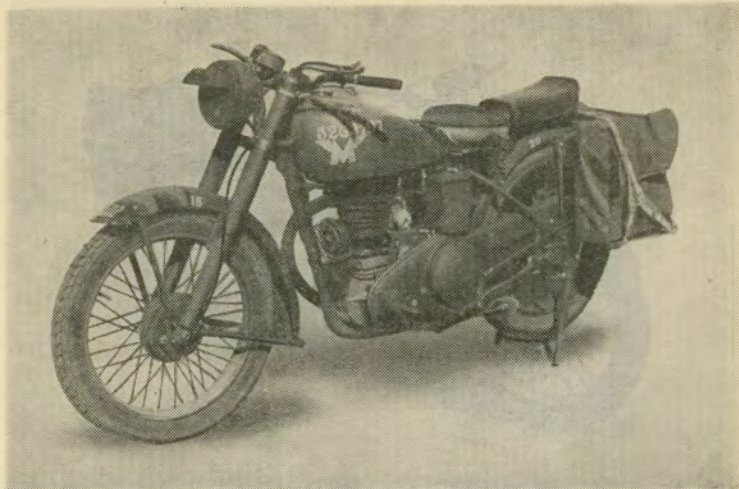
In the pages of the succeeding section of this book, “B” vehicles are listed in the following order :

- Motorcycles
- Cars, 5-cwt
- Cars, Light
- Cars, Light Reconnaissance
- Station Wagon
- Cars, Heavy
- Trucks, 8-cwt
- Heavy Utilities
- Trucks, 15-cwt
- Lorries, 30-cwt
- Lorries, 3-ton
- Lorries, 4-ton
- Lorries, 6-ton
- Lorries, 10-ton
- Tractors
- Transporters

MOTORCYCLE, SOLO, LIGHT

(Matchless single cylinder)

Manufacturer—Associated Motorcycles Ltd.



Operational Role—To provide rapid transportation for despatch riders and other personnel whose duties require them to move between various points.

Body Details—Equipment includes pillion seat for passenger and panniers to carry messages or packages of limited size.

Performance

Bridge classification.....	(per MTP 74).....	1
Maximum gradability.....	(per cent).....	60
Turning circle (minimum).....	(ft).....	16
Angle of approach.....	(not applicable)	
Angle of departure.....	(not applicable)	
Fording depth.....	(ins).....	11
Fuel consumption (average).....	(mpg).....	40
Maximum speed.....	(mph).....	50

Engine Details

Manufacturer.....	Assoc Motor Cycles
Type.....	petrol, 4 cyc, single cyl
Size.....	bore (ins) 2.7, stroke (ins) 3.6
Power.....	16 bhp at (rpm) 5600
Ignition.....	Magneto
Capacity... fuel (gals) 3, water (qts) 0, oil (qts) 2	

Tire Details

Treads.....	(not applicable)
Size.....	(ins) 3.25 x 19
Pressure.....	(see current instructions)

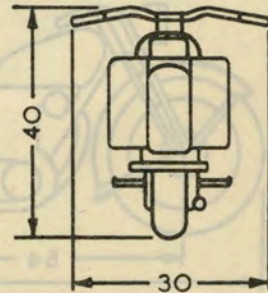
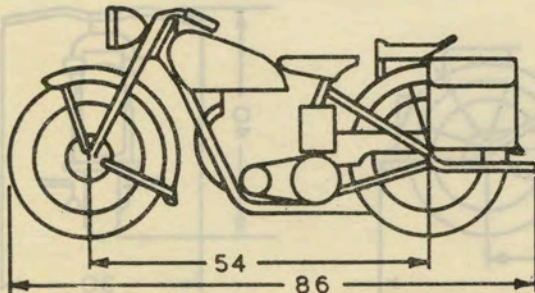
Weight and Dimensions

Curb weight (front axle).....	(not applicable)
Curb weight (rear axle).....	(not applicable)
Laden weight (front axle).....	(not applicable)
Laden weight (gross).....	(lbs)..... 528
Ground clearance (minimum).....	(ins)..... 6
Wheelbase (front to rear).....	(ins)..... 54
Shipping space (deck area).....	(sq ft)..... 16
Shipping space (standing).....	(cu ft)..... 54
Dimensions overall.....	(see drawing below)

Publications Applying

Maintenance manual.....	101-MC2
Parts list.....	14499-27-1
Waterproofing instrs (chassis).....	(not applicable)

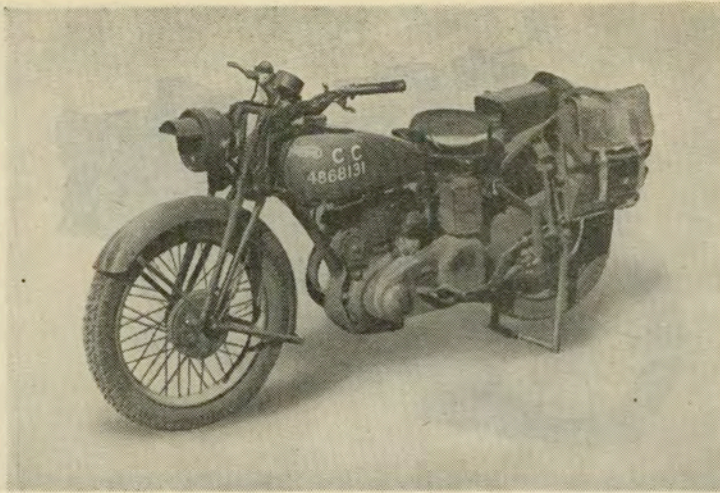
Additional Data



MOTORCYCLE, SOLO, LIGHT

(Norton single cylinder)

Manufacturer—Norton Motors Ltd.



Operational Role—To provide rapid transportation for despatch riders and other personnel whose duties require them to move between various points.

Body Details—Equipment includes pillion seat for passenger and panniers to carry messages or packages of limited size.

Performance

Bridge classification.....	(per MTP 74).....	1
Maximum gradability.....	(per cent).....	60
Turning circle (minimum).....	(ft).....	15
Angle of approach.....	(not applicable)	
Angle of departure.....	(not applicable)	
Fording depth.....	(ins).....	11
Fuel consumption (average).....	(mpg).....	40
Maximum speed.....	(mph).....	50

Engine Details

Manufacturer.....	Norton Motors
Type.....	petrol, 4 cyc, single cyl
Size.....	bore (ins) 3.1, stroke (ins) 3.9
Power.....	12 bhp at (rpm) 4800
Ignition.....	Magneto
Capacity...fuel (gals) 3½, water (qts) 0, oil (qts) 1½	

Tire Details

Treads.....	(not applicable)
Size.....	(ins) 3.25 x 19
Pressure.....	(see current instructions)

Weight and Dimensions

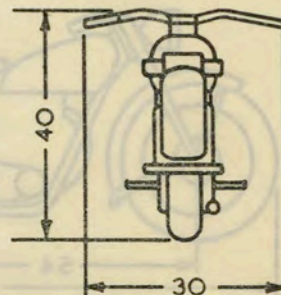
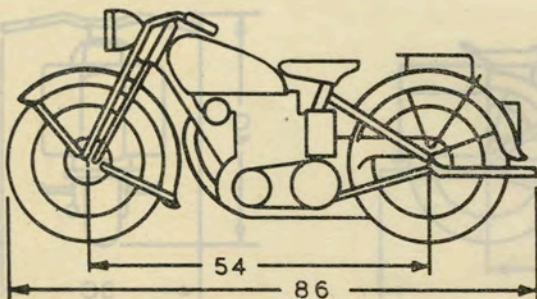
Curb weight (front axle).....	(not applicable)
Curb weight (rear axle).....	(not applicable)
Laden weight (front axle).....	(not applicable)
Laden weight (gross).....	(lbs)..... 588
Ground clearance (minimum).....	(ins)..... 5
Wheelbase (front to rear).....	(ins)..... 54
Shipping space (deck area).....	(sq ft)..... 16
Shipping space (standing).....	(cu ft)..... 54
Dimensions overall.....	(see drawing below)

Publications Applying

Maintenance manual.....	294/C/7576
Parts list.....	294/C/6127
Waterproofing instrs (chassis).....	(not applicable)

Additional Data

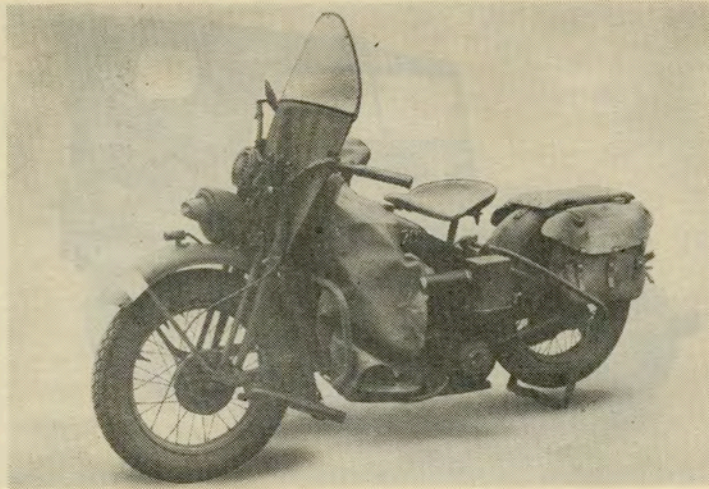
.....	
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MOTORCYCLE, SOLO, HEAVY

(Harley-Davidson twin)

Manufacturer—Harley-Davidson Motor Co.



Operational Role—To provide rapid transportation over good terrain for despatch riders and other personnel whose duties require them to move between various points.

Body Details—Equipment includes pillion seat for passenger and panniers to carry messages or packages of limited size.

Performance

Bridge classification.....	(per MTP 74).....	1
Maximum gradability.....	(per cent).....	60
Turning circle (minimum).....	(ft).....	15
Angle of approach.....	(not applicable)	
Angle of departure.....	(not applicable)	
Fording depth.....	(ins).....	18
Fuel consumption (average).....	(mpg).....	35
Maximum speed.....	(mph).....	60

Engine Details

Manufacturer.....	Harley-Davidson
Type.....	petrol, 4 cyc, twin cyl
Size.....	bore (ins) $2\frac{3}{4}$, stroke (ins) $3\frac{13}{16}$
Power.....	18 bhp at (rpm) 4500
Ignition.....	battery (volts) 6
Capacity.....	fuel (gals) 3, water (qts) 0, oil (qts) $3\frac{1}{2}$

Tire Details

Treads.....	(not applicable)
Size.....	(ins) 4.00 x 18
Pressure.....	(see current instructions)

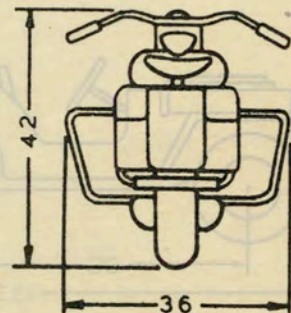
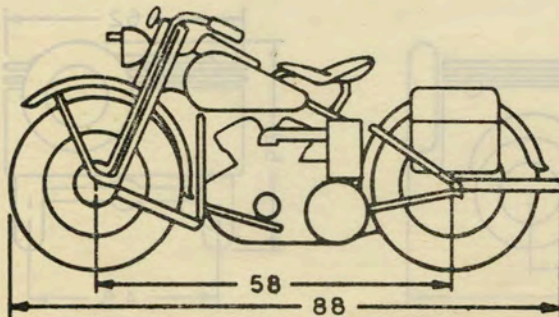
Weight and Dimensions

Curb weight (front axle).....	(not applicable)
Curb weight (rear axle).....	(not applicable)
Laden weight (front axle).....	(not applicable)
Laden weight (gross).....	(lbs) 735
Ground clearance (minimum).....	(ins) 4
Wheelbase (front to rear).....	(ins) $57\frac{1}{2}$
Shipping space (deck area).....	(sq ft) 16
Shipping space (standing).....	(cu ft) 54
Dimensions overall.....	(see drawing below)

Publications Applying

Maintenance manual.....	MC-HDI
Parts list.....	WLC
Waterproofing instrs (chassis).....	(not applicable)

Additional Data

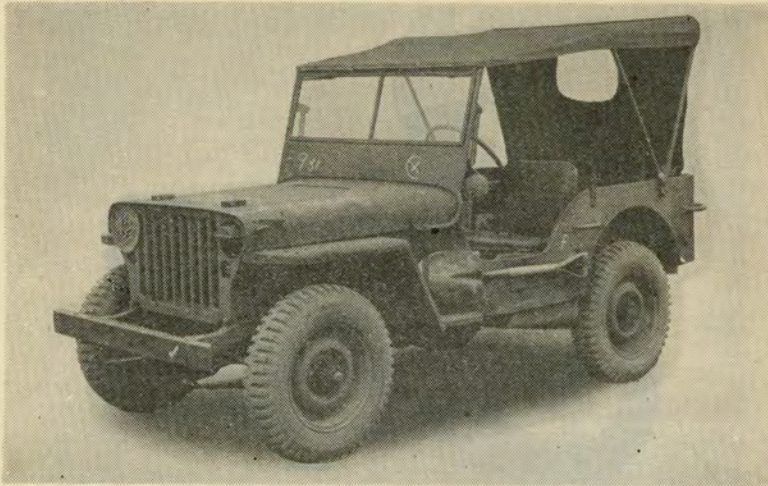


MOTOR VEHICLE CAR, 5-CWT

(Jeep, 5-cwt, 4 x 4, 80 wb)

Manufacturer—Willys Overland, Ford Motor Co.

Vehicle Code—W-LU-440/M-PERS.



Operational Role—Primary role is as personnel carrier but can be fitted with stretchers for ambulance role. Will tow light AA or Atk weapons or transport light cargo.

Body Details—Two folding seats in front. Detachable hood and side curtains. Windshield can fold forward to lie flat on bonnet. Spare tire on rear. Towing hook for trailers.

Performance

Bridge classification.....	(per MTP 74).....	1
Maximum gradability.....	(per cent).....	60
Turning circle (minimum).....	(ft).....	34
Angle of approach.....	(deg).....	45
Angle of departure.....	(deg).....	35
Fording depth.....	(ins).....	18
Fuel consumption (average).....	(mpg).....	15
Maximum speed.....	(mph).....	65

Engine Details

Manufacturer.....	Willys
Type.....	petrol, 4 cys, 4 cyls in line
Size.....	bore (ins) 3 3/8, stroke (ins) 4 3/8
Power.....	.60 bhp at (rpm) 3600
Ignition.....	battery (volts) 6
Capacity.....	fuel (gals) 12, water (qts) 9, oil (qts) 4

Tire Details

Treads.....	front (ins) 48, rear (ins) 48
Size.....	(ins) 6.00 x 16
Pressure.....	(see current instructions)

Weight and Dimensions

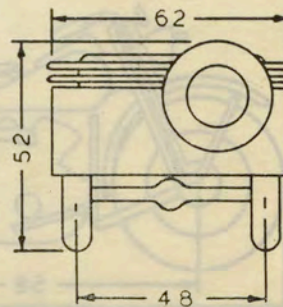
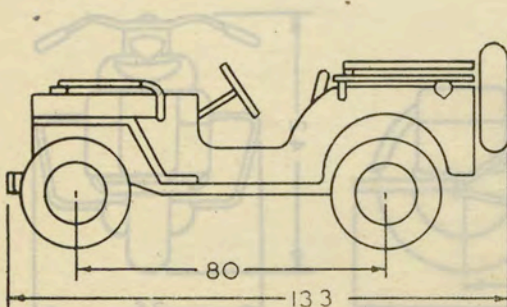
Curb weight (front axle).....	(lbs).....	1220
Curb weight (rear axle).....	(lbs).....	1170
Laden weight (front axle).....	(lbs).....	1490
Laden weight (rear axle).....	(lbs).....	1690
Ground clearance (minimum).....	(ins).....	8
Wheelbase (front to rear).....	(ins).....	80
Shipping space (deck area).....	(sq ft).....	.60
Shipping space (standing).....	(cu ft).....	340
Dimensions overall.....	(see drawing below)	

Publications Applying

Maintenance manual.....	M440-W1
Parts list.....	M440-W101
Waterproofing instrs (chassis).....	No. 4

Additional Data

(Above covers Willys. Ford manufacture is similar.)

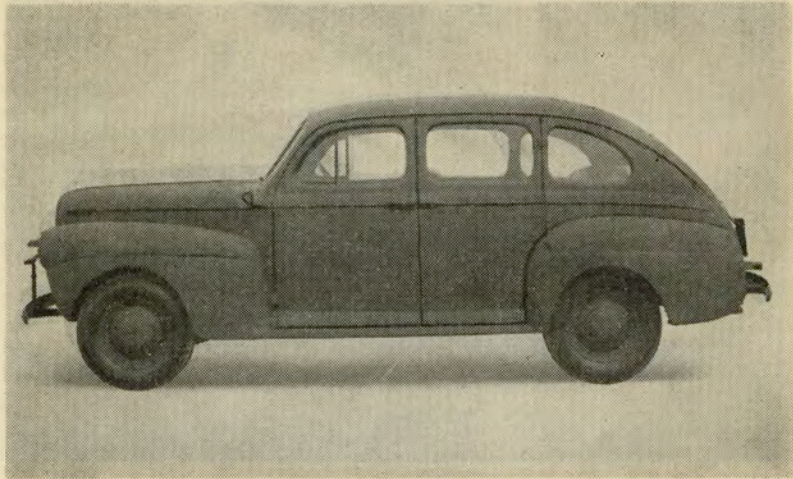


CAR LIGHT

(Sedan, 4 x 2, 114 wb)

Manufacturer—Ford Motor Co.

Vehicle Code—LC424-C-PASS-I.



Operational Role—Issued in limited numbers to certain formation headquarters for transportation of staff officers over terrain suitable for operation of vehicle of this type.

Body Details—Steel, sedan type, four door, seats 5 including driver, fabrioid upholstery. Equipment supplied includes blackout curtains, rifle clips, map container, first aid medical kit, POW cans, fire extinguisher, tools. Ignition has radio interference suppression.

Performance

Bridge classification.....	(per MTP 74)	2
Maximum gradability.....	(per cent)	32
Turning circle (minimum).....	(ft)	40
Angle of approach.....	(deg)	25
Angle of departure.....	(deg)	16
Fording depth.....	(ins)	18
Fuel consumption (average).....	(mpg)	14
Maximum speed.....	(mph)	80

Engine Details

Manufacturer.....	Ford
Type.....	petrol, 4 cyc, 8 cyls, V-8
Size.....	bore (ins) 3 3/16, stroke (ins) 3 3/4
Power.....	95 bhp at (rpm) 3600
Ignition.....	battery (volts) 6
Capacity...fuel (gals) 15, water (qts) 19, oil (qts) 4	

Tire Details

Treads.....	front (ins) 55 3/4, rear (ins) 58 1/4
Size.....	(ins) 6.00 x 16
Pressure.....	(see current instructions)

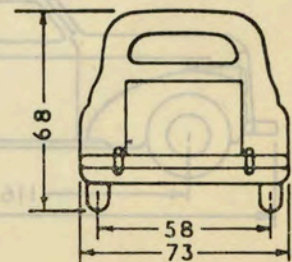
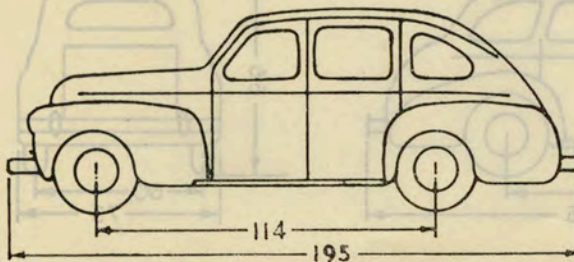
Weight and Dimensions

Curb weight (front axle).....	(lbs)	1800
Curb weight (rear axle).....	(lbs)	1857
Laden weight (front axle).....	(lbs)	2144
Laden weight (rear axle).....	(lbs)	2347
Ground clearance (minimum).....	(ins)	8
Wheelbase (front to rear).....	(ins)	114
Shipping space (deck area).....	(sq ft)	100
Shipping space (standing).....	(cu ft)	560
Dimensions overall.....	(see drawing below)	

Publications Applying

Maintenance manual.....	Ford Service Bulletin
Parts list.....	SE-120
Waterproofing instrs (chassis).....	(not applicable)

Additional Data

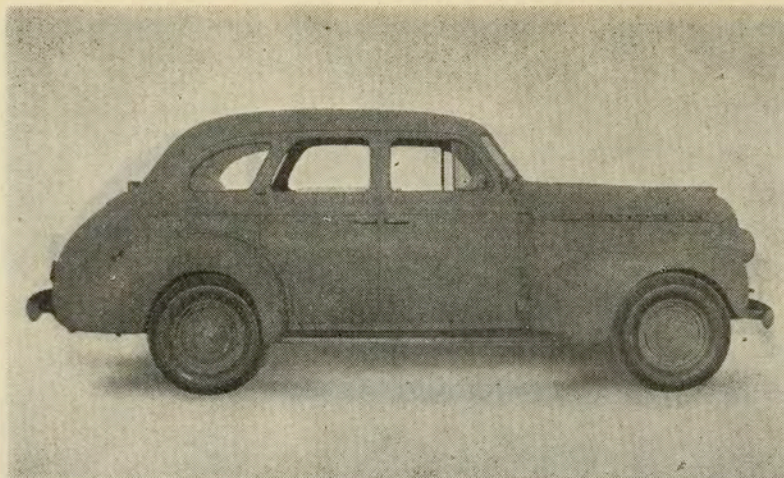


CAR, LIGHT

(Sedan, 4 x 2, 116 wb)

Manufacturer—General Motors.

Vehicle Code—LC425-C-PASS.



Operational Role—Used in limited numbers at headquarters of Army, Corps and Div for transportation of staff officers where terrain is suitable for operation of such vehicles.

Body Details—Steel, sedan type, four door, seats 5 including driver, fabrikoid upholstery. Fittings include blackout equipment, rifle clips, map container, first aid medical kit, radio interference suppression, oil, petrol and water cans, funnel, fire extinguisher, tools, log book.

Performance

Bridge classification.....(per MTP 74).....	2
Maximum gradability.....(per cent).....	25
Turning circle (minimum).....(ft).....	42
Angle of approach.....(deg).....	25
Angle of departure.....(deg).....	15
Fording depth.....(ins).....	18
Fuel consumption (average).....(mpg).....	15
Maximum speed.....(mph).....	70

Engine Details

Manufacturer.....	General Motors
Type.....	petrol, 4 cyc, 6 cyls in line
Size.....	bore (ins) 3½, stroke (ins) 3¼
Power.....	85 bhp at (rpm) 3400
Ignition.....	battery (volts) 6
Capacity...fuel (gals) 12, water (qts) 13, oil (qts) 5	

Tire Details

Treads.....	front (ins) 56¾, rear (ins) 59
Size.....	(ins) 6.00 x 16
Pressure.....	(see current instructions)

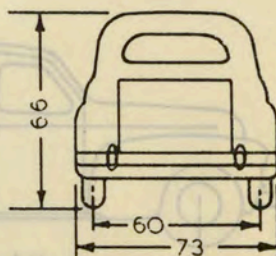
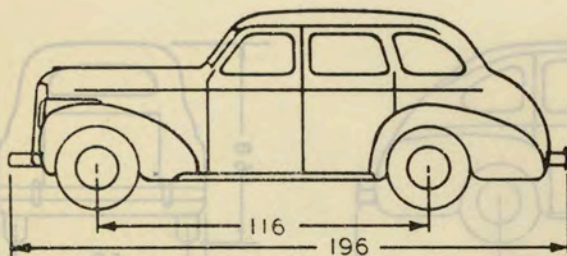
Weight and Dimensions

Curb weight (front axle).....(lbs).....	1680
Curb weight (rear axle).....(lbs).....	1840
Laden weight (front axle).....(lbs).....	2010
Laden weight (rear axle).....(lbs).....	2340
Ground clearance (minimum).....(ins).....	7
Wheelbase (front to rear).....(ins).....	116
Shipping space (deck area).....(sq ft).....	100
Shipping space (standing).....(cu ft).....	550
Dimensions overall.....(see drawing below)	

Publications Applying

Maintenance manual.....	5ED
Parts list.....	GMC 198
Waterproofing instrs (chassis).....	(not applicable)

Additional Data

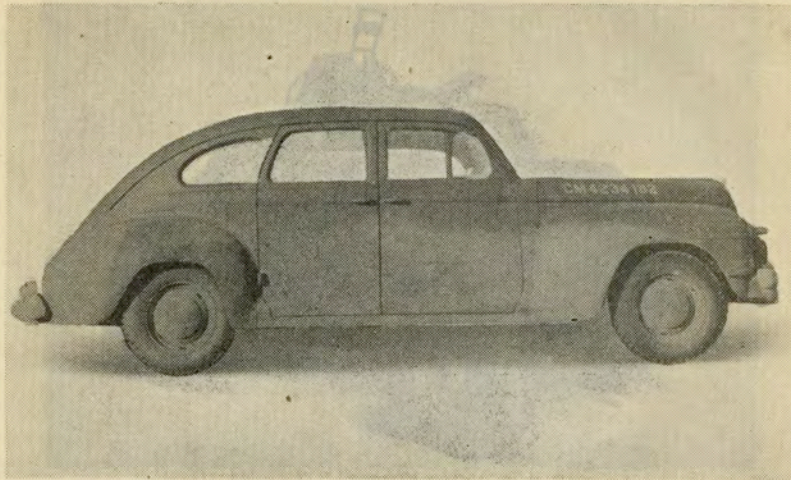


CAR LIGHT

(Sedan, 4 x 2, 117 wb)

Manufacturer—Chrysler Corpn.

Vehicle Code—LC427-C-PASS-1.



Operational Role—Issued in limited numbers to certain formation headquarters for transportation of staff officers over terrain suitable for operation of vehicle of this type.

Body Details—Steel, sedan type, four door, seats 5 including driver, fabrikuoid upholstery. Ignition has radio interference suppression.

Performance

Bridge classification.....(per MTP 74).....	2
Maximum gradability.....(per cent).....	29
Turning circle (minimum).....(ft).....	41
Angle of approach.....(deg).....	28
Angle of departure.....(deg).....	15
Fording depth.....(ins).....	18
Fuel consumption (average).....(mpg).....	14
Maximum speed.....(mph).....	70

Engine Details

Manufacturer.....	Chrysler
Type.....	petrol, 4 cyc, 6 cyls in line
Size.....	bore (ins) 3 $\frac{3}{8}$, stroke (ins) 4 1/16
Power.....	85 bhp at (rpm) 3400
Ignition.....	battery (volts) 6
Capacity... fuel (gals) 14, water (qts) 14, oil (qts) 4	

Tire Details

Treads.....	front (ins) 57, rear (ins) 60
Size.....	(ins) 6.00 x 16
Pressure.....	(see current instructions)

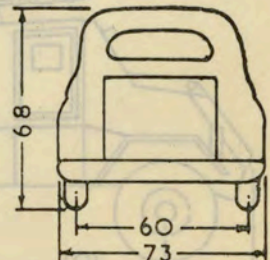
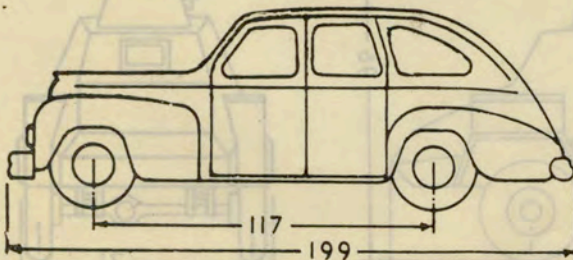
Weight and Dimensions

Curb weight (front axle).....	(not available)
Curb weight (total).....	(lbs) 3190
Laden weight (front axle).....	(not available)
Laden weight (total).....	(lbs) 3990
Ground clearance (minimum).....	(ins) 7
Wheelbase (front to rear).....	(ins) 117
Shipping space (deck area).....	(sq ft) 100
Shipping space (standing).....	(cu ft) 570
Dimensions overall.....	(see drawing below)

Publications Applying

Maintenance manual.....	WM-3675
Parts list.....	WM-3814
Waterproofing instrs (chassis).....	(not applicable)

Additional Data

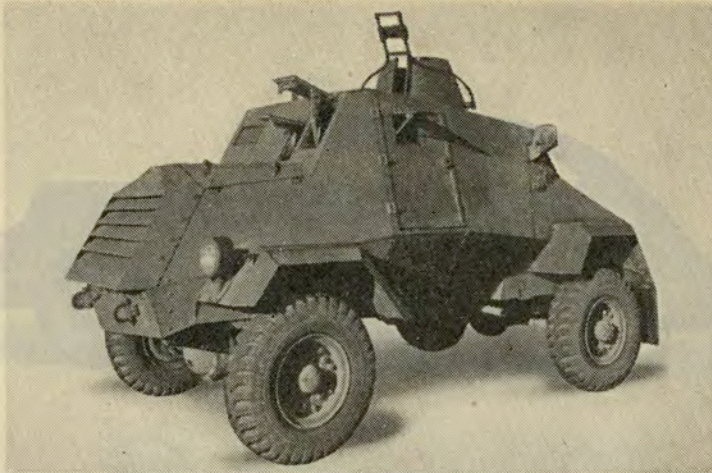


CAR, LIGHT RECONNAISSANCE

(Otter I, 4 x 4, 101 wb)

Manufacturer—General Motors.

Vehicle Code—RAC-I.



Operational Role—Used by RCE fd sqns and coys and by RCASC br coys for short special recce, also by RCASC MT coys and tpt pls for AA protection (convoy patrol).

Equipment—Armament—.303 Bren gun on AA mounting (also used for ground fire), sub MG, 2 rifles, 4-in smoke discharger. Other equipment—No. 19 WT set, sig pistol. Carries tools, spare gun parts, POW containers, rations, cam net, spare wheel. Armour thickness—turret cone 8 mm, hull front 12 mm, sides 8 mm, rear 10 mm, roof 12 mm.

Performance

Bridge classification.....	(per MTP 74).....	3
Maximum gradability.....	(per cent).....	46
Trench crossing.....	no channels	
Fording depth.....	(ins).....	24
Angle of approach.....	(deg).....	47
Angle of departure.....	(deg).....	38
Fuel consumption (average).....	(mpg).....	8
Maximum speed.....	(mph).....	45

Engine Details

Manufacturer.....	General Motors
Type.....	petrol, 4 cyc, 6 cys in line
Size.....	bore (ins) 3 25/32, stroke (ins) 4
Power.....	106 bhp at (rpm) 3000
Ignition.....	battery (volts) 12
Capacity...fuel (gals) 30, water (qts) 15, oil (qts) 7	

Tires and Brakes

Hand brakes.....	mechanical (on transmission)
Foot brakes.....	hydraulic (all wheels)
Treads.....	front (ins) 70, rear (ins) 70½
Size.....	(ins) 9.00 x 16
Pressure.....	(see current instructions)

Weight and Dimensions

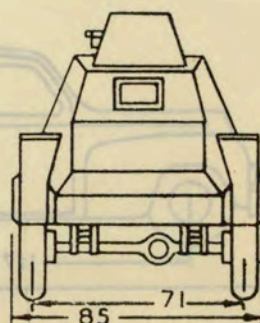
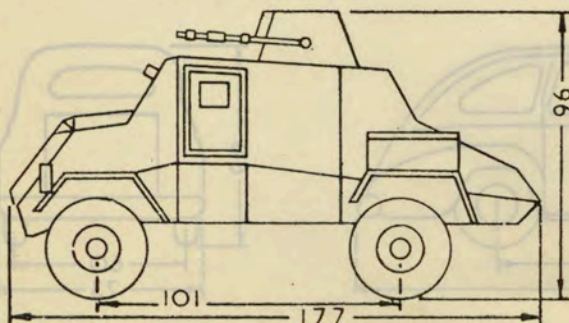
Laden weight (front axle).....	(lbs).....	5260
Laden weight (rear axle).....	(lbs).....	5740
Turning circle (minimum).....	(ft).....	49
Ground clearance (minimum).....	(ins).....	8
Wheelbase (front to rear).....	(ins).....	101
Shipping space (deck area).....	(sq ft).....	110
Shipping space (standing).....	(cu ft).....	840
Dimensions overall.....	(see drawing below)	

Publications Applying

Maintenance manual.....	RAC-C2
Parts list.....	VAOS LV7/GMC
Waterproofing instrs (chassis).....	Pubs-119

Additional Data

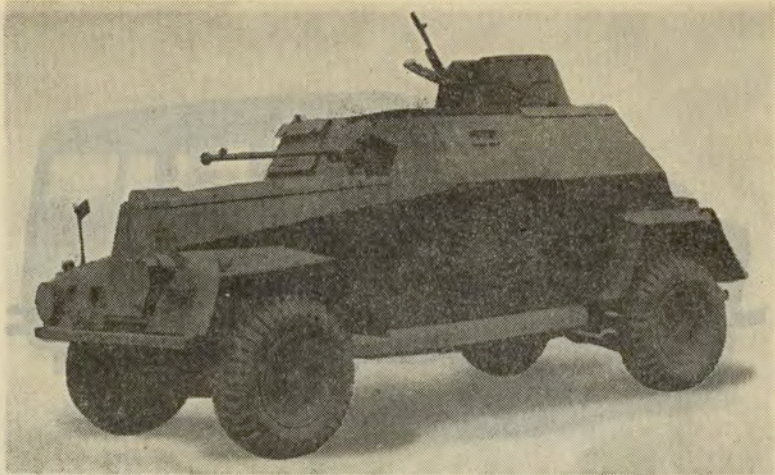
Power weight ratio, 17.05 bhp per short ton.



CAR, LIGHT RECONNAISSANCE

(Humber, Mark III, 4 x 4, 112 wb)

Manufacturer—Humber Ltd.



Vehicle is not now equipped with Boys Atk rifle shown in photo

Operational Role—Used by RCE fd sqns and coys and by RCASC br coys for short special recce, also by RCASC MT coys and tpt pls for AA protection (convoy patrol).

Equipment—Armament—.303 Bren gun on AA mounting (also used for ground fire), sub MG, 2 rifles, 4-in smoke mortar. Other equipment—No. 19 WT set, sig pistol. Carries tools, spare gun parts, POW containers, rations, cam net, spare wheel. Armour thickness—turret cone 6 mm, hull front 10 mm, sides 7 mm, rear 7 mm, roof 7 mm.

Performance

Bridge classification.....	(per MTP 74).....	3
Maximum gradability.....	(per cent).....	46
Trench crossing.....	no channels	
Fording depth.....	(ins).....	24
Angle of approach.....	(deg).....	63
Angle of departure.....	(deg).....	37
Fuel consumption (average).....	(mpg).....	11
Maximum speed.....	(mph).....	50

Engine Details

Manufacturer.....	Humber
Type.....	petrol, 4 cyc, 6 cyls in line
Size.....	bore (ins) 3.35, stroke (ins) 4.72
Power.....	87 bhp at (rpm) 3300
Ignition.....	battery (volts) 12
Capacity.....	fuel (gals) 18, water (qts) 19, oil (qts) 6

Tires and Brakes

Hand brakes.....	mechanical (rear wheels)
Foot brakes.....	hydraulic (all wheels)
Treads.....	front (ins) 61, rear (ins) 61
Size.....	(ins) 9.25 x 16
Pressure.....	(see current instructions)

Weight and Dimensions

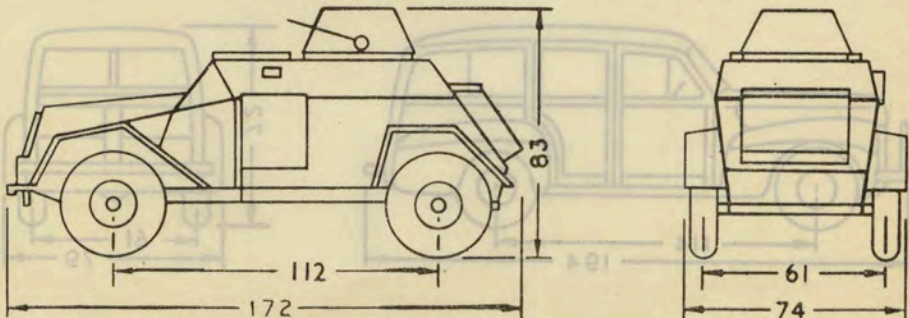
Laden weight (front axle).....	(lbs).....	4000
Laden weight (rear axle).....	(lbs).....	4140
Turning circle (minimum).....	(ft).....	46
Ground clearance (minimum).....	(ins).....	9
Wheelbase (front to rear).....	(ins).....	112
Shipping space (deck area).....	(sq ft).....	90
Shipping space (standing).....	(cu ft).....	620
Dimensions overall.....	(see drawing below)	

Publications Applying

Maintenance manual.....	101/HR4
Parts list.....	VAOS LV7/HR
Waterproofing instrs (chassis).....	AC-87

Additional Data

Power weight ratio, 27.3 bhp per ton. Maximum tractive effort, 1135 lbs per ton.

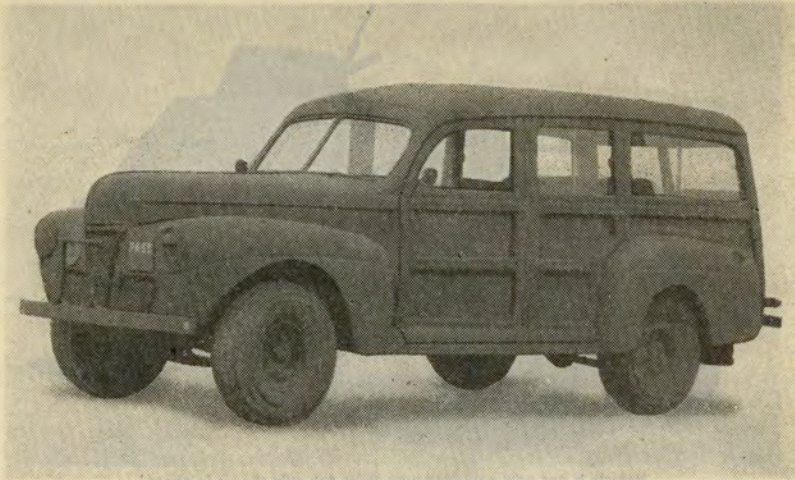


STATION WAGON

(CIAD, 5-passenger, 4 x 2, 114 wb)

Manufacturer—Ford Motor Co.

Vehicle Code—SW424-C-5WAG.



Operational Role—Issued only in very limited number to Army Headquarters in lieu of car light for transportation of personnel where terrain is suitable for operation of such vehicle.

Body Details—Wood, sedan type, 4 door, seats 5 including driver, fabrioid upholstery. Fittings include blackout equipment, rifle clips, map container, first aid medical kit, radio interference suppression, petrol and water cans, funnel, fire extinguisher, tools, log book. Load carrying space in rear of body.

Performance

Bridge classification.....(per MTP 74).....	2
Maximum gradability.....(per cent).....	25
Turning circle (minimum).....(ft).....	39
Angle of approach.....(deg).....	25
Angle of departure.....(deg).....	15
Fording depth.....(ins).....	18
Fuel consumption (average).....(mpg).....	13
Maximum speed.....(mph).....	70

Engine Details

Manufacturer.....	Ford
Type.....	petrol, 4 cyc, 8 cys, V-8
Size.....bore (ins) 3 3/16, stroke (ins) 3 3/4	
Power.....	.95 bhp at (rpm) 3600
Ignition.....	battery (volts) 6
Capacity...fuel (gals) 12, water (qts) 20, oil (qts) 4	

Tire Details

Treads.....	front (ins) 55 1/2, rear (ins) 61
Size.....	(ins) 9.00 x 13
Pressure.....	(see current instructions)

Weight and Dimensions

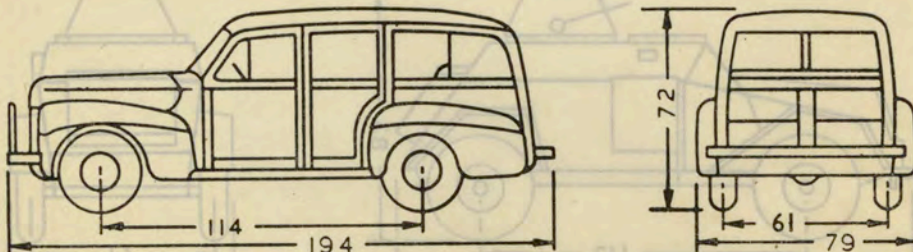
Curb weight (front axle).....(lbs).....	1770
Curb weight (rear axle).....(lbs).....	2460
Laden weight (front axle).....(lbs).....	2030
Laden weight (rear axle).....(lbs).....	3080
Ground clearance (minimum).....(ins).....	7
Wheelbase (front to rear).....(ins).....	114
Shipping space (deck area).....(sq ft).....	110
Shipping space (standing).....(cu ft).....	640
Dimensions overall.....(see drawing below)	

Publications Applying

Maintenance manual.....	SE-88
Parts list.....	SE-117
Waterproofing instrs (chassis).....	(not applicable)

Additional Data

(Above vehicle differs from 7-passenger station wagon in having luggage space and heavier axles and tires.)

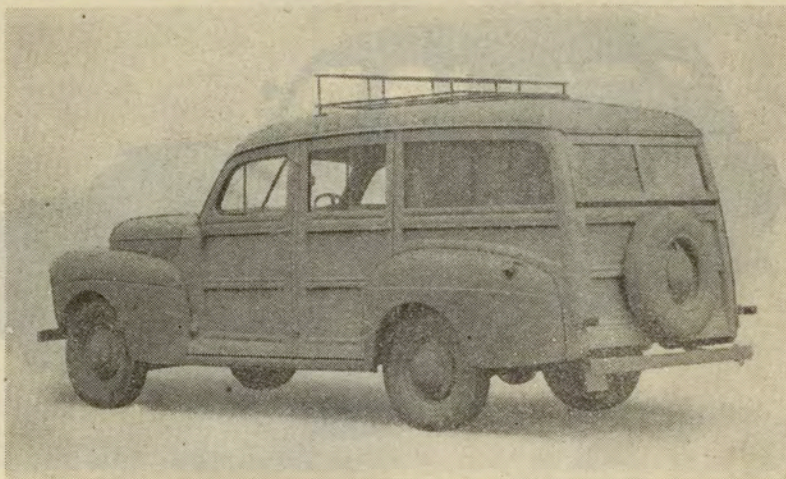


STATION WAGON

(7-passenger, 4 x 2, 114 wb)

Manufacturer—Ford Motor Co.

Vehicle Code—SW424-C-7WAG-I.



Operational Role—Issued in limited numbers to certain formation headquarters for transportation of staff officers over terrain suitable for operation of vehicle of this type.

Body Details—Wood, sedan type, 4 door, seats 7 including driver, fabrikoid upholstery. Equipment supplied includes blackout curtains, rifle clips, map container, first aid medical kit, POW cans, fire extinguisher, tools. Ignition has radio interference suppression.

Performance

Bridge classification.....	(per MTP 74).....	2
Maximum gradability.....	(per cent).....	25
Turning circle (minimum).....	(ft).....	39
Angle of approach.....	(deg).....	25
Angle of departure.....	(deg).....	15
Fording depth.....	(ins).....	18
Fuel consumption (average).....	(mpg).....	13
Maximum speed.....	(mph).....	70

Engine Details

Manufacturer.....	Ford
Type.....	petrol, 4 cyc, 8 cys, V-8
Size.....	bore (ins) 3 3/16, stroke (ins) 3 3/4
Power.....	95 bhp at (rpm) 3600
Ignition.....	battery (volts) 6
Capacity...fuel (gals) 12, water (qts) 20, oil (qts) 4	

Tire Details

Treads.....	front (ins) 55 3/4, rear (ins) 58 1/2
Size.....	(ins) 6.00 x 16
Pressure.....	(see current instructions)

Weight and Dimensions

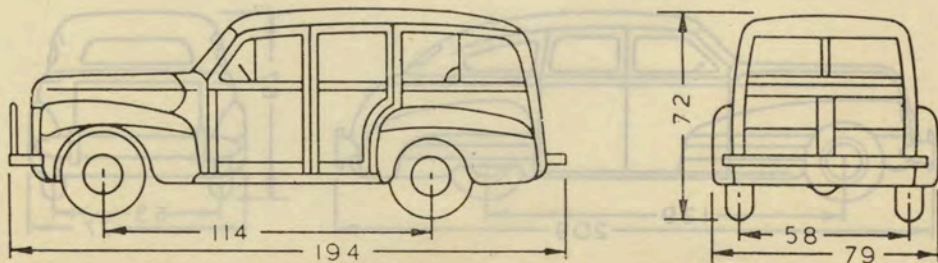
Curb weight (front axle).....	(lbs).....	1736
Curb weight (rear axle).....	(lbs).....	2268
Laden weight (front axle).....	(lbs).....	2334
Laden weight (rear axle).....	(lbs).....	2820
Ground clearance (minimum).....	(ins).....	8
Wheelbase (front to rear).....	(ins).....	114
Shipping space (deck area).....	(sq ft).....	110
Shipping space (standing).....	(cu ft).....	640
Dimensions overall.....	(see drawing below)	

Publications Applying

Maintenance manual.....	Ford Service Bulletin
Parts list.....	SE-117
Waterproofing instrs (chassis).....	(not applicable)

Additional Data

(Above vehicle differs from 5-passenger station wagon in having body seating for 7 men and lighter tires and axles.)

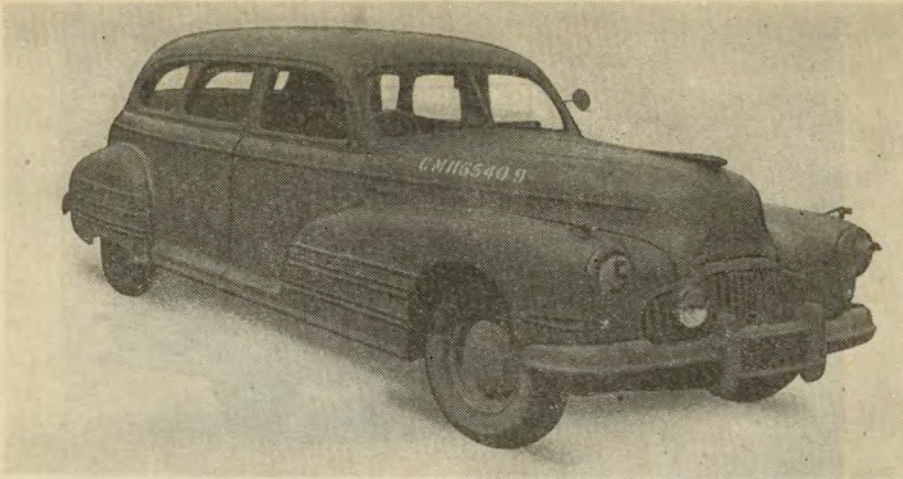


CAR, HEAVY

(Buick 4900, 4 x 2, 139 wb)

Manufacturer—General Motors.

Vehicle Code—HC429-C-PASS.



Operational Role—Used only at Army and Corps headquarters in lieu of car light in certain instances for transportation of personnel where terrain is suitable for such vehicle.

Body Details—Steel, sedan type, four door, seats 7 including driver, leather upholstery. Fittings include blackout equipment, rifle and sten gun clips, map and trouble lamp, fire extinguisher, luggage grid, heater, window defroster, glass partition window dividing front and rear compartments, fog lamp, tire chains, heavy duty battery, log book and tools.

Performance

Bridge classification.....	(per MTP 74).....	3
Maximum gradability.....	(per cent).....	25
Turning circle (minimum).....	(ft).....	42
Angle of approach.....	(deg).....	15
Angle of departure.....	(deg).....	16
Fording depth.....	(ins).....	18
Fuel consumption (average).....	(mpg).....	13
Maximum speed.....	(mph).....	80

Engine Details

Manufacturer.....	General Motors	
Type.....	petrol, 4 cyc, 8 cyls in line	
Size.....	bore (ins) 3 7/16, stroke (ins) 4 5/16	
Power.....	165 bhp at (rpm) 3800	
Ignition.....	battery (volts) 6	
Capacity.....	fuel (gals) 16, water (qts) 12, oil (qts) 7	

Tire Details

Treads.....	front (ins) 59, rear (ins) 63
Size.....	(ins) 7.50 x 16
Pressure.....	(see current instructions)

Weight and Dimensions

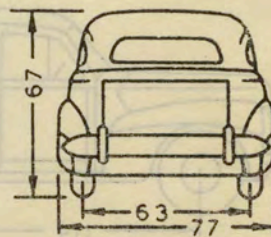
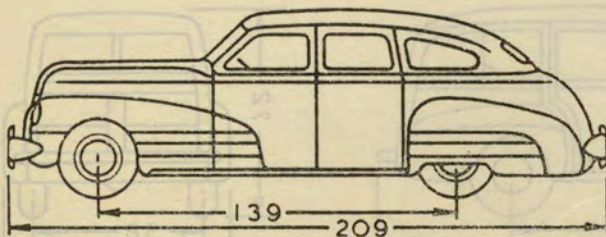
Curb weight (front axle).....	(lbs).....	2450
Curb weight (rear axle).....	(lbs).....	2680
Laden weight (front axle).....	(lbs).....	2850
Laden weight (rear axle).....	(lbs).....	3680
Ground clearance (minimum).....	(ins).....	7
Wheelbase (front to rear).....	(ins).....	139
Shipping space (deck area).....	(sq ft).....	110
Shipping space (standing).....	(cu ft).....	720
Dimensions overall.....	(see drawing below)	

Publications Applying

Maintenance manual.....	Buick Shop Manual
Parts list.....	GMC-182
Waterproofing instrs (chassis).....	(not applicable)

Additional Data

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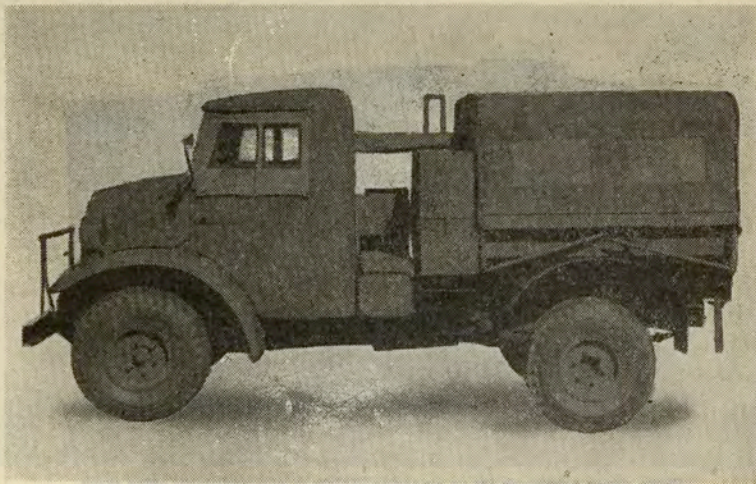


TRUCK, 8-CWT, YGS*¹ H. MOUNT

(8-cwt, 4 x 2, 101. wb) (H)

Manufacturer—Ford Motor Co., General Motors.

Vehicle Code—F8421-M-GS.



Wireless gear shown in photo used when truck in wireless role

Operational Role—Used only in limited numbers in UK as general purpose load carrier for supplies and stores over good roads by CRU or other base units.

Body Details—Steel, welded, length 6 ft, hinged tail-gate, superstructure, tarpaulin, lockers for tools and equipment, POW carriers. Spare wheel and tire can be carried behind cab.

Performance

Bridge classification.....(per MTP 74).....	3
Maximum gradability.....(per cent).....	53
Turning circle (minimum).....(ft).....	38
Angle of approach.....(deg).....	50
Angle of departure.....(deg).....	36
Fording depth.....(ins).....	24
Fuel consumption (average).....(mpg).....	13
Maximum speed.....(mph).....	50

Engine Details

Manufacturer.....	Ford
Type.....	petrol, 4 cyc, 8 cys, V-8
Size.....	bore (ins) 3 3/16, stroke (ins) 3 3/8
Power.....	95 bhp at (rpm) 3600
Ignition.....	battery (volts) 6
Capacity...fuel (gals) 24, water (qts) 20, oil (qts) 4	

Tire Details

Treads.....	front (ins) 59 1/2, rear (ins) 58 1/2
Size.....	(ins) 9.00 x 13
Pressure.....	(see current instructions)

Weight and Dimensions

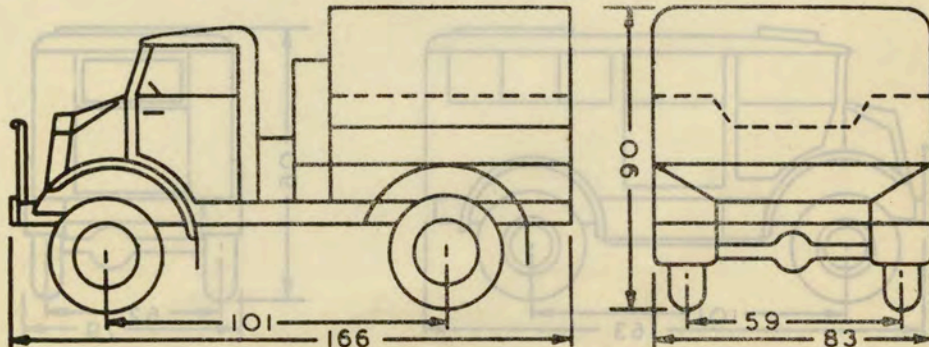
Curb weight (front axle).....(lbs).....	2360
Curb weight (rear axle).....(lbs).....	1900
Laden weight (front axle).....(lbs).....	2400
Laden weight (rear axle).....(lbs).....	3200
Ground clearance (minimum).....(ins).....	8
Wheelbase (front to rear).....(ins).....	101
Shipping space (deck area).....(sq ft).....	100
Shipping space (standing).....(cu ft).....	720
Dimensions overall.....(see drawing below)	

Publications Applying

Maintenance manual.....	SE-93
Parts list.....	SE-39-42
Waterproofing instrs (chassis).....	(not applicable)

Additional Data

(*This vehicle is obsolete and is not used in any active theatre. The GM product essentially as above except for engine which is standard 85 bhp.)



TRUCK, HEAVY UTILITY, CIPHER OFFICE

(Heavy utility, 4 x 4, 101 wb)

Manufacturer—General Motors.

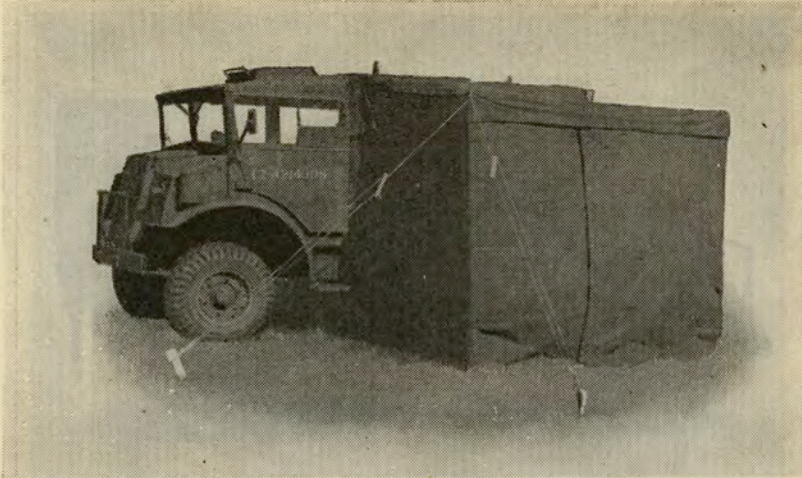


Photo shows penthouse set up alongside vehicle to give additional office space

Operational Role—Used by RC Sigs cipher sections at formation HQs generally Corps or Div or in forward command posts for coding and decoding cipher messages.

Body Details—Sedan type, steel, side and rear doors, carries penthouse and poles. Equipment includes cipher machine, rotary convertor, 5 storage batteries, lockers for message forms, etc. Seating for 1 clerk and 1 operator. Penthouse can be set up alongside giving additional office space.

Performance

Bridge classification.....(per MTP 74).....	3
Maximum gradability.....(per cent).....	52
Turning circle (minimum).....(ft).....	48
Angle of approach.....(deg).....	57
Angle of departure.....(deg).....	53
Fording depth.....(ins).....	24
Fuel consumption (average).....(mpg).....	11
Maximum speed.....(mph).....	50

Engine Details

Manufacturer.....	General Motors
Type.....	petrol, 4 cyc, 6 cyls in line
Size.....	bore (ins) 3½, stroke (ins) 3¾
Power.....	85 bhp at (rpm) 3400
Ignition.....	battery (volts) 6
Capacity.....	fuel (gals) 25, water (qts) 13, oil (qts) 5

Tire Details

Treads.....	front (ins) 62½, rear (ins) 62½
Size.....	(ins) 9.25 x 16
Pressure.....	(see current instructions)

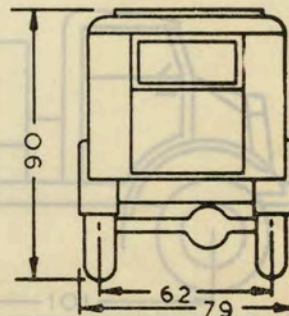
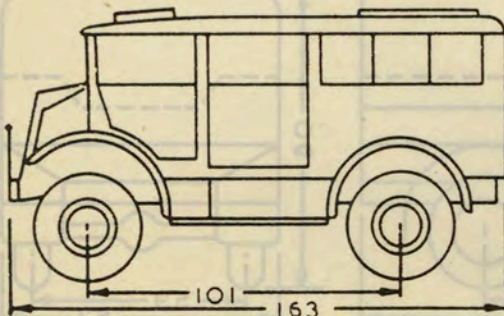
Weight and Dimensions

Curb weight (front axle).....(lbs).....	3400
Curb weight (rear axle).....(lbs).....	3500
Laden weight (front axle).....(lbs).....	3700
Laden weight (rear axle).....(lbs).....	3800
Ground clearance (minimum).....(ins).....	8
Wheelbase (front to rear).....(ins).....	101
Shipping space (deck area).....(sq ft).....	90
Shipping space (standing).....(cu ft).....	680
Dimensions overall.....(see drawing below)	

Publications Applying

Maintenance manual.....	MB-C2
Parts list.....	C8A-03
Waterproofing instrs (chassis).....	No. 21

Additional Data

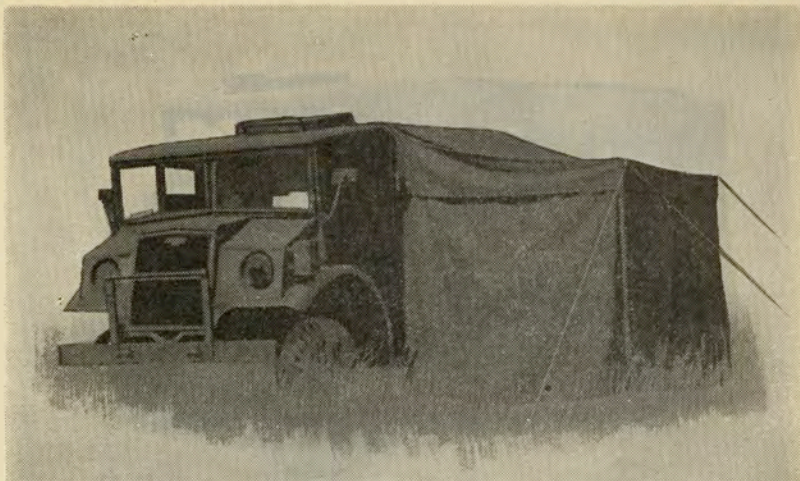


TRUCK, HEAVY UTILITY, COMPUTER

(Heavy utility, 4 x 4, 101 wb)

Manufacturer—General Motors.

Vehicle Code—C8A-PUTR.



Penthouse is carried inside and poles strapped on roof when roading

Operational Role—Used generally as paymaster vehicle in field formations but may be used as small field office by any unit, additional space being obtained by erection of penthouse thus replacing larger vehicles. Also used as computer vehicle in RCA survey regiment.

Body Details—Sedan type, steel, side and rear doors, roof hatch over driver's compartment, and sliding hatch over computer compartment. Equipment includes seats, folding desks, files, etc., in computer compartment.

Performance

Bridge classification.....	(per MTP 74)	3
Maximum gradability.....	(per cent)	52
Turning circle (minimum).....	(ft)	48
Angle of approach.....	(deg)	57
Angle of departure.....	(deg)	53
Fording depth.....	(ins)	24
Fuel consumption (average).....	(mpg)	11
Maximum speed.....	(mph)	50

Engine Details

Manufacturer.....	General Motors
Type.....	petrol, 4 cyc, 6 cys in line
Size.....	bore (ins) $3\frac{1}{2}$, stroke (ins) $3\frac{3}{4}$
Power.....	.85 bhp at (rpm) 3400
Ignition.....	battery (volts) 6
Capacity.....	fuel (gals) 25, water (qts) 13, oil (qts) 5

Tire Details

Treads.....	front (ins) $62\frac{1}{8}$, rear (ins) $62\frac{1}{8}$
Size.....	(ins) 9.25 x 16
Pressure.....	(see current instructions)

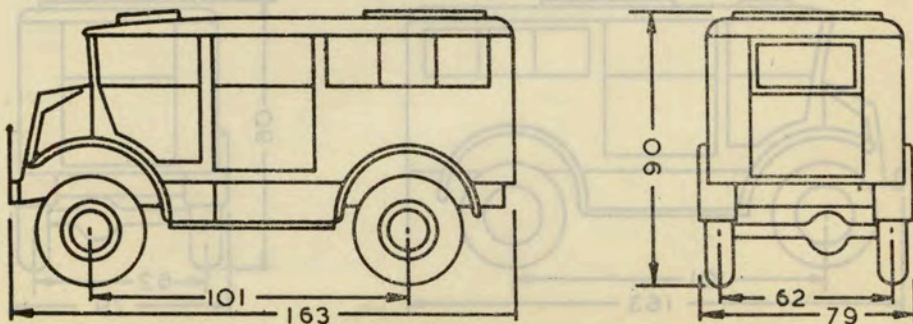
Weight and Dimensions

Curb weight (front axle).....	(lbs)	3310
Curb weight (rear axle).....	(lbs)	3140
Laden weight (front axle).....	(lbs)	3500
Laden weight (rear axle).....	(lbs)	4000
Ground clearance (minimum).....	(ins)	8
Wheelbase (front to rear).....	(ins)	101
Shipping space (deck area).....	(sq ft)	90
Shipping space (standing).....	(cu ft)	680
Dimensions overall.....	(see drawing below)	

Publications Applying

Maintenance manual.....	MB-C2
Parts list.....	C8A-03
Waterproofing Instrs (chassis).....	No. 21

Additional Data

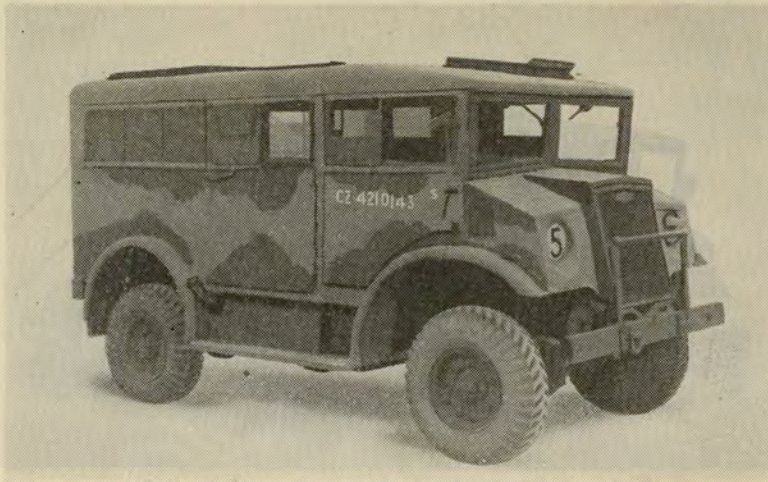


TRUCK, HEAVY UTILITY, MACHINERY "ZL"

(Heavy utility, 4 x 4, 101 wb)

Manufacturer—General Motors.

Vehicle Code—C8A-MACH-ZL.



Operational Role—Used by RCEME units in forward areas for test and repair work required on wireless equipments. (Known as Z light).

Body Details—Steel, heavy utility type, windows screened against radio interference, interference suppressors on engine. Equipment includes engine-driven generator, air cooled transformer, power panel, test panels, valve test sets, megger, bridges, hand tools.

Performance

Bridge classification.....	(per MTP 74)	4
Maximum gradability.....	(per cent)	52
Turning circle (minimum).....	(ft)	48
Angle of approach.....	(deg)	57
Angle of departure.....	(deg)	53
Fording depth.....	(ins)	24
Fuel consumption (average).....	(mpg)	11
Maximum speed.....	(mph)	47

Engine Details

Manufacturer.....	General Motors
Type.....	petrol, 4 cyc, 6 cyls in line
Size.....	bore (ins) $3\frac{1}{2}$, stroke (ins) $3\frac{3}{4}$
Power.....	85 bhp at (rpm) 3400
Ignition.....	battery (volts) 6
Capacity...fuel (gals) 25, water (qts) 13, oil (qts) 5	

Tire Details

Treads.....	front (ins) 62, rear (ins) 62
Size.....	(ins) 9.25 x 16
Pressure.....	(see current instructions)

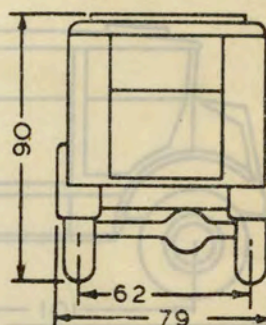
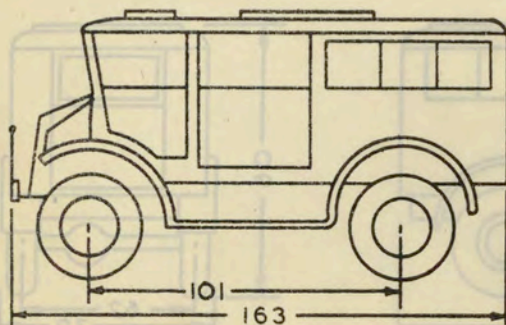
Weight and Dimensions

Curb weight (front axle).....	(lbs)	3340
Curb weight (rear axle).....	(lbs)	3480
Laden weight (front axle).....	(lbs)	3800
Laden weight (rear axle).....	(lbs)	4200
Ground clearance (minimum).....	(ins)	8
Wheelbase (front to rear).....	(ins)	101
Shipping space (deck area).....	(sq ft)	100
Shipping space (standing).....	(cu ft)	750
Dimensions overall.....	(see drawing below)	

Publications Applying

Maintenance manual.....	MB-C2
Parts list.....	C8A-03
Waterproofing instrs (chassis).....	No. 21

Additional Data

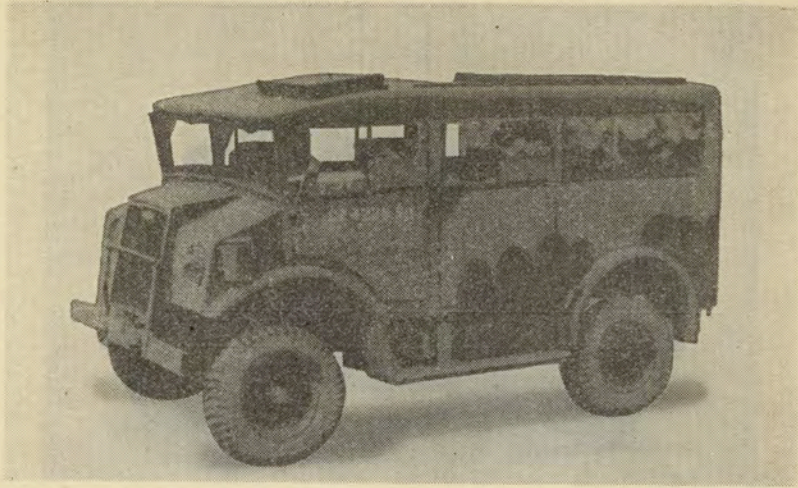


TRUCK, HEAVY UTILITY, PERSONNEL

(Heavy utility, 4 x 4, 101 wb)

Manufacturer—General Motors.

Vehicle Code—C8A-PERS.



Operational Role—Used by arms and services generally as light vehicle for transporting personnel in small parties; frequently employed in units as OC office vehicle.

Body Details—Sedan type, steel, side and rear doors. Seats six persons including driver. Rear two seats are removable to make room for equipment and light baggage.

Performance

Bridge classification.....	(per MTP 74).....	3
Maximum gradability.....	(per cent).....	52
Turning circle (minimum).....	(ft).....	48
Angle of approach.....	(deg).....	57
Angle of departure.....	(deg).....	53
Fording depth.....	(ins).....	24
Fuel consumption (average).....	(mpg).....	11
Maximum speed.....	(mph).....	50

Engine Details

Manufacturer.....	General Motors
Type.....	petrol, 4 cyc, 6 cys in line
Size.....	bore (ins) $3\frac{1}{2}$, stroke (ins) $3\frac{3}{4}$
Power.....	85 bhp at (rpm) 3400
Ignition.....	battery (volts) 6
Capacity.....	fuel (gals) 25, water (qts) 13, oil (qts) 5

Tire Details

Treads.....	front (ins) $62\frac{1}{8}$, rear (ins) $62\frac{1}{8}$
Size.....	(ins) 9.25 x 16
Pressure.....	(see current instructions)

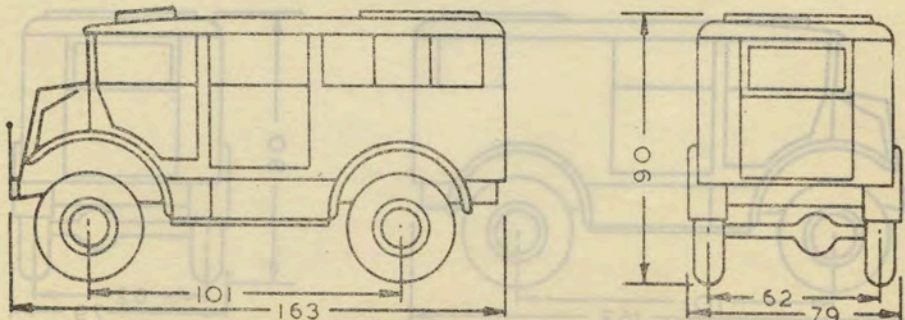
Weight and Dimensions

Curb weight (front axle).....	(lbs).....	3350
Curb weight (rear axle).....	(lbs).....	2850
Laden weight (front axle).....	(lbs).....	3700
Laden weight (rear axle).....	(lbs).....	3800
Ground clearance (minimum).....	(ins).....	8
Wheelbase (front to rear).....	(ins).....	101
Shipping space (deck area).....	(sq ft).....	90
Shipping space (standing).....	(cu ft).....	680
Dimensions overall.....	(see drawing below)	

Publications Applying

Maintenance manual.....	MB-C2
Parts list.....	C8A-03
Waterproofing instrs (chassis).....	No. 21

Additional Data

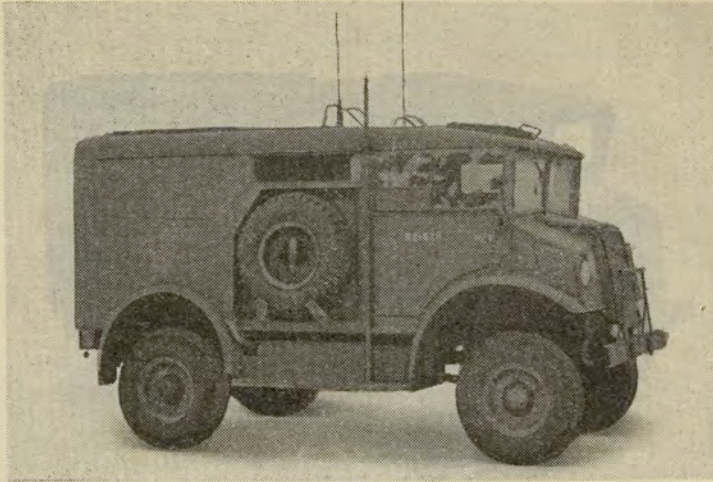


TRUCK, HEAVY UTILITY, WIRELESS

(Heavy utility, 4 x 4, 101 wb)

Manufacturer—General Motors.

Vehicle Code—C8A-M-WIRE.



Operational Role—Used by AA and Atk batteries for communication with artillery commander at Corps and thus ties in with CRAC network. (This vehicle being replaced by 15-cwt fitted for wireless.)

Body Details—Sedan type, steel, screened against radio interference, side and rear doors, steel panels in rear windows, roof hatch. Equipment includes No. 19 set and amplifier, 4 sigs batteries, chorehorse, with 300 watt out-put, stowage for 2 aerial masts.

Performance

Bridge classification.....(per MTP 74)	3
Maximum gradability.....(per cent)	52
Turning circle (minimum).....(ft)	48
Angle of approach.....(deg)	57
Angle of departure.....(deg)	53
Fording depth.....(ins)	24
Fuel consumption (average).....(mpg)	11
Maximum speed.....(mph)	50

Engine Details

Manufacturer.....	General Motors
Type.....	petrol, 4 cyc, 6 cyls in line
Size.....	bore (ins) 3½, stroke (ins) 3¾
Power.....	85 bhp at (rpm) 3400
Ignition.....	battery (volts) 6
Capacity.....	fuel (gals) 25, water (qts) 13, oil (qts) 5

Tire Details

Treads.....	front (ins) 62½, rear (ins) 62½
Size.....	(ins) 9.25 x 16
Pressure.....	(see current instructions)

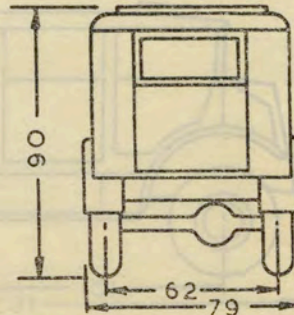
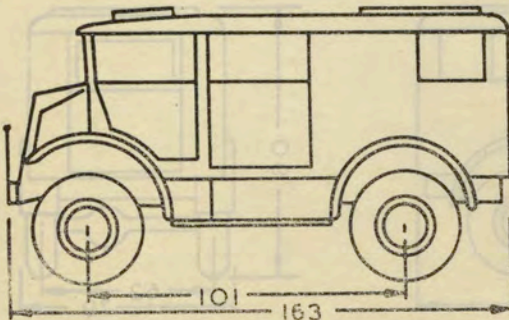
Weight and Dimensions

Curb weight (front axle).....(lbs)	3400
Curb weight (rear axle).....(lbs)	3500
Laden weight (front axle).....(lbs)	3700
Laden weight (rear axle).....(lbs)	3800
Ground clearance (minimum).....(ins)	8
Wheelbase (front to rear).....(ins)	101
Shipping space (deck area).....(sq ft)	90
Shipping space (standing).....(cu ft)	680
Dimensions overall.....	(see drawing below)

Publications Applying

Maintenance manual.....	MB-C2
Parts list.....	C8A-03
Waterproofing instrs (chassis).....	No. 43

Additional Data

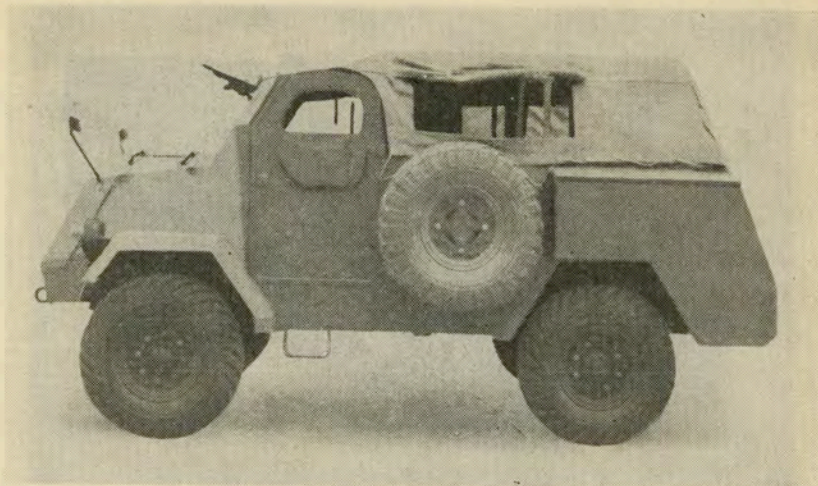


TRUCK, 15-CWT, ARMoured

(15-cwt, 4 x 4, 101 wb)

Manufacturer—General Motors.

Vehicle Code—C15TA-ARMD-1.



Removable jerrican carrier on rear not shown in photo

Operational Role—Primary role is as armored personnel carrier in forward areas. Can be converted to GS or amn carrier, or 2-stretcher ambulance by covering foot wells with plates stowed in rear door panel. MG can be mounted on flat floor area.

Body Details—Open type hull with machineable BP armour covering engine hood and body. Removable superstructure and tarpaulin. Body seats six men. Rear and side doors. Vision ports for driver and mate. Detachable windshields. Stowage includes rifle racks, tools, cam net, POW carriers, kit bins.

Performance

Bridge classification.....(per MTP 74).....	5
Maximum gradability.....(per cent).....	53
Turning circle (minimum).....(ft).....	51
Angle of approach.....(deg).....	50
Angle of departure.....(deg).....	36
Fording depth.....(ins).....	24
Fuel consumption (average).....(mpg).....	7
Maximum speed.....(mph).....	45

Engine Details

Manufacturer.....	General Motors
Type.....	petrol, 4 cyc, 6 cyps in line
Size.....	bore (ins) 3 25/32, stroke (ins) 4
Power.....	104 bhp at (rpm) 3000
Ignition.....	battery (volts) 6
Capacity.....	fuel (gals) 40, water (qts) 15, oil (qts) 8

Tire Details

Treads.....	front (ins) 70, rear (ins) 70½
Size.....	(ins) 10.50 x 16
Pressure.....	(see current instructions)

Weight and Dimensions

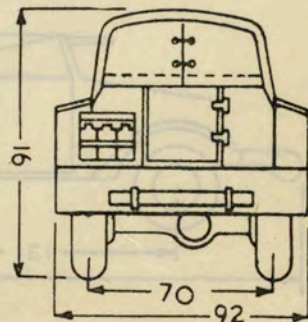
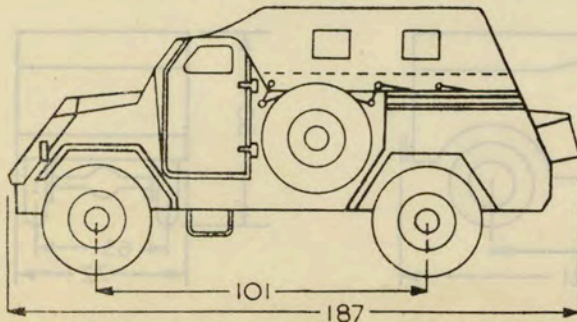
Curb weight (front axle).....(lbs).....	4405
Curb weight (rear axle).....(lbs).....	5625
Laden weight (front axle).....(lbs).....	4855
Laden weight (rear axle).....(lbs).....	6945
Ground clearance (minimum).....(ins).....	9
Wheelbase (front to rear).....(ins).....	101
Shipping space (deck area).....(sq ft).....	120
Shipping space (standing).....(cu ft).....	910
Dimensions overall.....(see drawing below)	

Publications Applying

Maintenance manual.....	TA-C1
Parts list.....	C15TA-01
Waterproofing instrs (chassis).....	No. 57

Additional Data

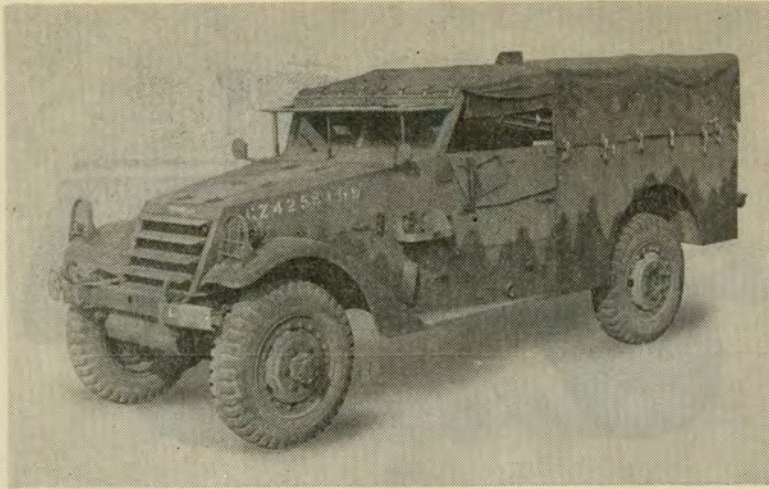
(Later production will have 12-volt electrical system.)



TRUCK, 15-CWT, ARMoured

(M3A1, 15-cwt, 4 x 4, 131 wb)

Manufacturer—White Motor Co.



Tarpaulin top shown in photo is normally removed during operational use

Operational Role—Primary role is as an armoured personnel carrier in forward areas but can be used as command vehicle or as ambulance if modified.

Body Details—Armour plate covers engine hood and body. Folding shield for driver's compartment. Body seats six men. Removable tarpaulin top. Tourelle gun mount for Browning machine gun.

Performance

Bridge classification.....(per MTP 74).....	5
Maximum gradability.....(per cent).....	60
Turning circle (minimum).....(ft).....	57
Angle of approach.....(deg).....	37
Angle of departure.....(deg).....	35
Fording depth.....(ins).....	28
Fuel consumption (average).....(mpg).....	7
Maximum speed.....(mph).....	45

Engine Details

Manufacturer.....	Hercules
Type.....	petrol, 4 cyl, 6 cyls in line
Size.....	bore (ins) 4, stroke (ins) 4½
Power.....	110 bhp at (rpm) 3000
Ignition.....	battery (volts) 12
Capacity.....	fuel (gals) 24, water (qts) 15, oil (qts) 5

Tire Details

Treads.....	front (ins) 63¼, rear (ins) 65½
Size.....	(ins) 8.25 x 20
Pressure.....	(see current instructions)

Weight and Dimensions

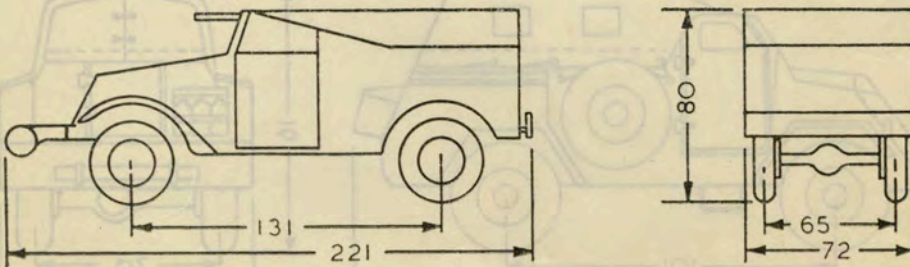
Curb weight (front axle).....(lbs).....	3900
Curb weight (rear axle).....(lbs).....	5000
Laden weight (front axle).....(lbs).....	4820
Laden weight (rear axle).....(lbs).....	6930
Ground clearance (minimum).....(ins).....	15
Wheelbase (front to rear).....(ins).....	131
Shipping space (deck area).....(sq ft).....	120
Shipping space (standing).....(cu ft).....	730
Dimensions overall.....(see drawing below)	

Publications Applying

Maintenance manual.....	TM9-705
Parts list.....	SNL G-67
Waterproofing instrs (chassis).....	No. 76

Additional Data

(This vehicle is also made with Hercules DJXD diesel, 6 cyl, 4 x 4½, 103 bhp at 2600 and also with similar Buda diesel.)



TRUCK, 15-CWT, BATTERY CHARGING

(15-cwt, 4 x 4, 101 wb)

Manufacturer—Ford Motor Co., General Motors.

Vehicle Code—F15A-BC-1.

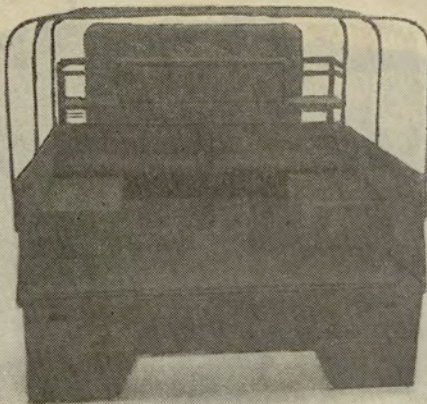


Photo shows tarpaulin off and battery shelves at front (portable charger removed)

Operational Role—Used by CAC including armoured car and SP artillery units for charging batteries, starting stalled vehicles and carrying a few spare batteries. Low silhouette and small size make vehicle inconspicuous in forward areas.

Body Details—Standard GS body, all steel, welded, hinged tail-gate, tarpaulin, superstructure. Equipment includes special steel battery rack and tool box at front, 1260 watt battery charger driven by petrol engine, bus-bars, jumper wires, long leads. Carries either six 12-volt tank batteries or twelve 6-volt vehicle batteries.

Performance

Bridge classification.....(per MTP 74).....	5
Maximum gradability.....(per cent).....	52
Turning circle (minimum).....(ft).....	50
Angle of approach.....(deg).....	50
Angle of departure.....(deg).....	36
Fording depth.....(ins).....	24
Fuel consumption (average).....(mpg).....	11
Maximum speed.....(mph).....	50

Engine Details

Manufacturer.....	Ford
Type.....	petrol, 4 cyc, 8 cyls, V-8
Size.....	bore (ins) 3 3/16, stroke (ins) 3 3/4
Power.....	95 bhp at (rpm) 3600
Ignition.....	battery (volts) 6
Capacity...fuel (gals) 24, water (qts) 20, oil (qts) 4	

Tire Details

Treads.....	front (ins) 69 3/4, rear (ins) 70 1/2
Size.....	(ins) 9.00 x 16
Pressure.....	(see current instructions)

Weight and Dimensions

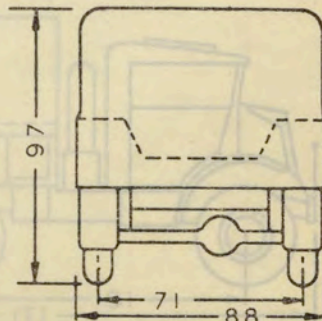
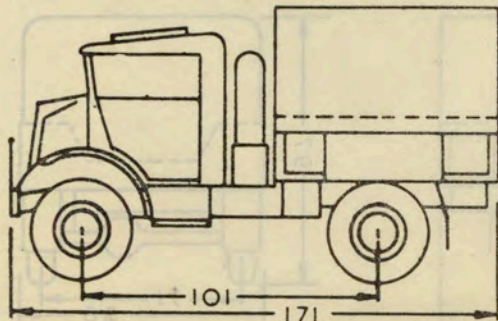
Curb weight (front axle).....(lbs).....	3980
Curb weight (rear axle).....(lbs).....	5210
Laden weight (front axle).....(lbs).....	4630
Laden weight (rear axle).....(lbs).....	5370
Ground clearance (minimum).....(ins).....	8
Wheelbase (front to rear).....(ins).....	101
Shipping space (deck area).....(sq ft).....	110
Shipping space (standing).....(cu ft).....	850
Dimensions overall.....(see drawing below)	

Publications Applying

Maintenance manual.....	MB-F1
Parts list.....	F15A-01
Waterproofing instrs (chassis).....	No. 45

Additional Data

(Above covers Ford, for details GM engine see page 56. GM Waterproofing instrs No. 21.)



TRUCK, 15-CWT, FITTED FOR WIRELESS

(15-cwt, 4 x 4, 101 wb)

Manufacturer—General Motors.

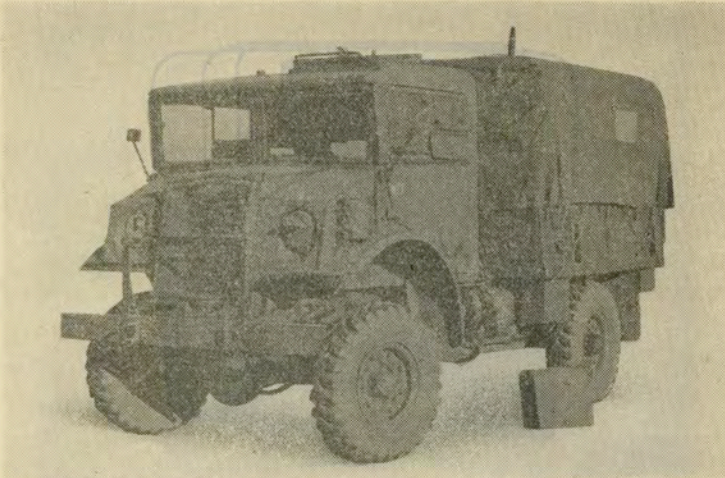


Photo shows chorehorse on near side, cover removed and placed on ground

Operational Role—Used mainly for wireless communication with Bde and Div HQs by RCA, RCE, MG Coys, RCME workshops and other units, being manned by unit signallers, but can be employed wherever No. 19 set is suitable.

Body Details—Standard GS body, all steel, welded, hinged tail-gate, special tarpaulin and superstructure with brackets for aerial bases. Equipment includes No. 19 set, sigs batteries, chorehorse for charging. Superstructure and tarpaulin removable for forming ground shelter by addition of skirt and lengthening side poles. Can be fitted with No. 9, 11 or 22 WT sets alternatively.

Performance

Bridge classification.....	(per MTP 74).....	4
Maximum gradability.....	(per cent).....	52
Turning circle (minimum).....	(ft).....	40
Angle of approach.....	(deg).....	50
Angle of departure.....	(deg).....	34
Fording depth.....	(ins).....	24
Fuel consumption (average).....	(mpg).....	13
Maximum speed.....	(mph).....	47

Engine Details

Manufacturer.....	General Motors
Type.....	petrol, 4 cyc, 6 cyls in line
Size.....	bore (ins) 3½, stroke (ins) 3½
Power.....	85 bhp at (rpm) 3400
Ignition.....	battery (volts) 6
Capacity.....	fuel (gals) 25, water (qts) 13, oil (qts) 5

Tire Details

Treads.....	front (ins) 69¾, rear (ins) 70½
Size.....	(ins) 9.00 x 16
Pressure.....	(see current instructions)

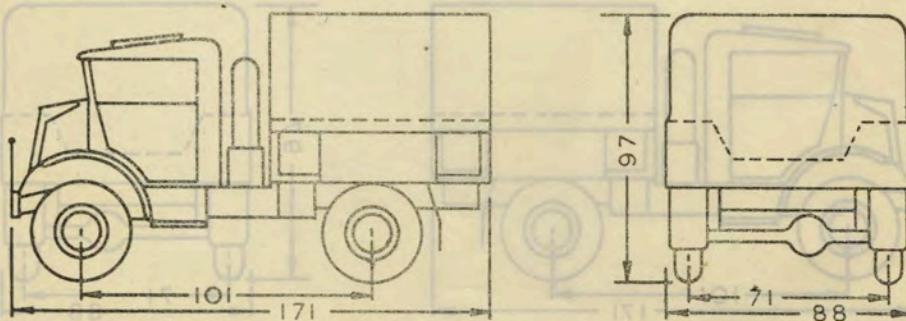
Weight and Dimensions

Curb weight (front axle).....	(lbs).....	3150
Curb weight (rear axle).....	(lbs).....	3250
Laden weight (front axle).....	(lbs).....	3450
Laden weight (rear axle).....	(lbs).....	4050
Ground clearance (minimum).....	(ins).....	8
Wheelbase (front to rear).....	(ins).....	101
Shipping space (deck area).....	(sq ft).....	110
Shipping space (standing).....	(cu ft).....	830
Dimensions overall.....	(see drawing below)	

Publications Applying

Maintenance manual.....	MB-C2
Parts list.....	C15A-02
Waterproofing instrs (chassis).....	No. 21

Additional Data

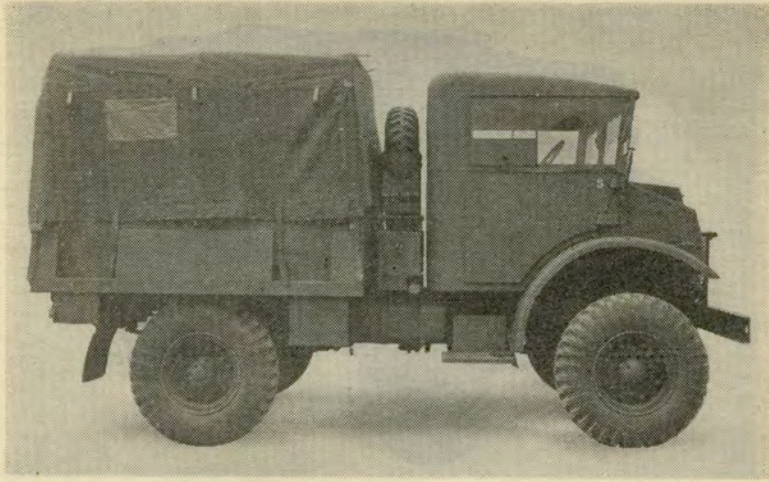


TRUCK, 15-CWT, GS

(15-cwt, 4 x 4, 101 wb)

Manufacturer—Ford Motor Co.

Vehicle Code—F15A-GS.



Operational Role—Used generally by all arms and services to carry stores and supplies as governed by load capacity. Handy in forward areas because of low silhouette and short wheelbase. Often used to tow 10-cwt trailer.

Body Details—All steel, welded, length 6½ ft, wheel wells, hinged tail-gate, removable superstructure and tarpaulin. Body fitments include rifle rack in cab, chain lockers, POW carriers, tool box, pintle hook, tow loops, splash shields.

Performance

Bridge classification.....(per MTP 74).....	4
Maximum gradability.....(per cent).....	52
Turning circle (minimum).....(ft).....	49
Angle of approach.....(deg).....	57
Angle of departure.....(deg).....	42
Fording depth.....(ins).....	24
Fuel consumption (average).....(mpg).....	11
Maximum speed.....(mph).....	50

Engine Details

Manufacturer.....	Ford
Type.....	petrol, 4 cyc, 8 cyls, V-8
Size.....	bore (ins) 3 3/16, stroke (ins) 3 3/4
Power.....	95 bhp at (rpm) 3600
Ignition.....	battery (volts) 6
Capacity.....	fuel (gals) 24, water (qts) 20, oil (qts) 4

Tire Details

Treads.....	front (ins) 69 3/4, rear (ins) 70 1/2
Size.....	(ins) 9.00 x 16
Pressure.....	(see current instructions)

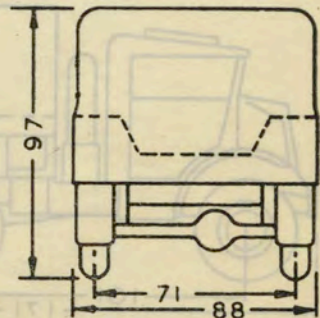
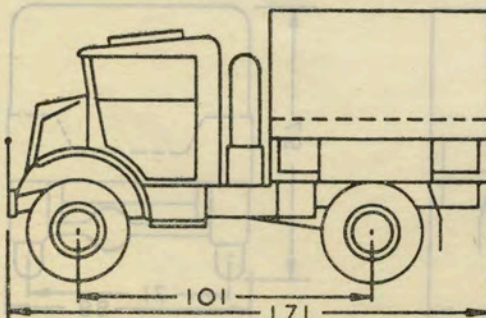
Weight and Dimensions

Curb weight (front axle).....(lbs).....	3790
Curb weight (rear axle).....(lbs).....	3440
Laden weight (front axle).....(lbs).....	4070
Laden weight (rear axle).....(lbs).....	5090
Ground clearance (minimum).....(ins).....	8
Wheelbase (front to rear).....(ins).....	101
Shipping space (deck area).....(sq ft).....	110
Shipping space (standing).....(cu ft).....	830
Dimensions overall.....(see drawing below)	

Publications Applying

Maintenance manual.....	MB-F1
Parts list.....	F15A-01
Waterproofing instrs (chassis).....	No. 45

Additional Data

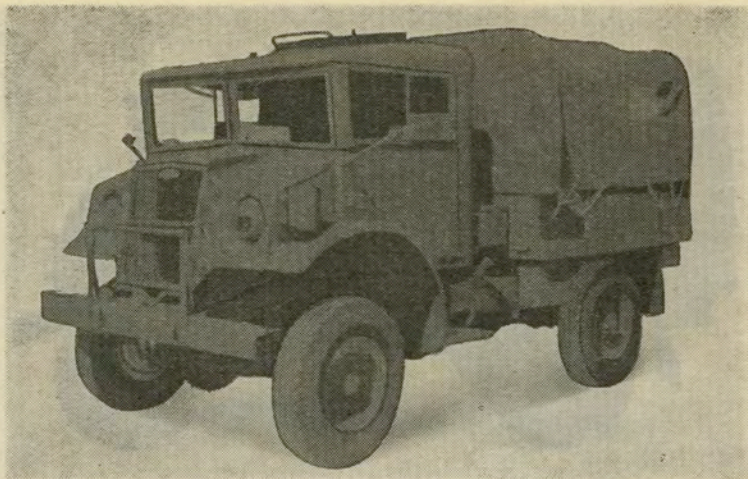


TRUCK, 15-CWT, GS

(15-cwt, 4 x 4, 101 wb)

Manufacturer—General Motors.

Vehicle Code—C15A-GS.



Operational Role—Used generally by all arms and services to carry stores and supplies as governed by load capacity. Handy in forward areas because of low silhouette and short wheel base. Often used to tow 10-cwt trailer.

Body Details—All steel, welded, length 6½ ft, wheel wells, hinged tail-gate, removable superstructure and tarpaulin. Body fitments include rifle rack in cab, chain lockers, POW carriers, tool box, pintle hook, tow loops, splash shields.

Performance

Bridge classification.....	(per MTP 74).....	4
Maximum gradability.....	(per cent).....	52
Turning circle (minimum).....	(ft).....	50
Angle of approach.....	(deg).....	57
Angle of departure.....	(deg).....	42
Fording depth.....	(ins).....	24
Fuel consumption (average).....	(mpg).....	13
Maximum speed.....	(mph).....	47

Engine Details

Manufacturer.....	General Motors
Type.....	petrol, 4 cyc, 6 cyls in line
Size.....	bore (ins) 3½, stroke (ins) 3½
Power.....	85 bhp at (rpm) 3400
Ignition.....	battery (volts) 6
Capacity.....	fuel (gals) 25, water (qts) 13, oil (qts) 5

Tire Details

Treads.....	front (ins) 69½, rear (ins) 70½
Size.....	(ins) 9.00 x 16
Pressure.....	(see current instructions)

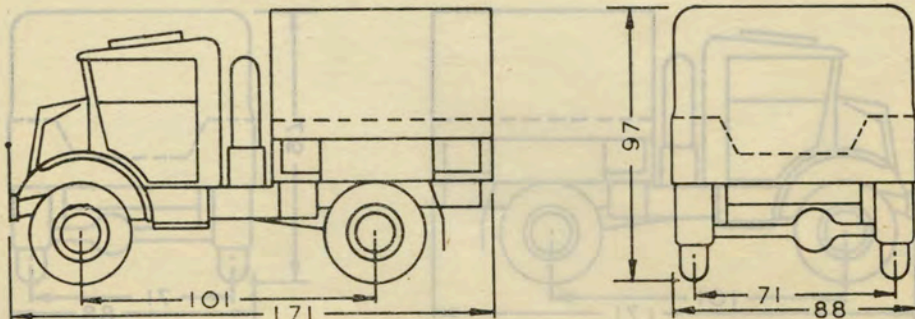
Weight and Dimensions

Curb weight (front axle).....	(lbs).....	3740
Curb weight (rear axle).....	(lbs).....	3670
Laden weight (front axle).....	(lbs).....	3880
Laden weight (rear axle).....	(lbs).....	6140
Ground clearance (minimum).....	(ins).....	8
Wheelbase (front to rear).....	(ins).....	101
Shipping space (deck area).....	(sq ft).....	110
Shipping space (standing).....	(cu ft).....	830
Dimensions overall.....	(see drawing below)	

Publications Applying

Maintenance manual.....	MB-C2
Parts list.....	C15A-02
Waterproofing instrs (chassis).....	No. 21

Additional Data

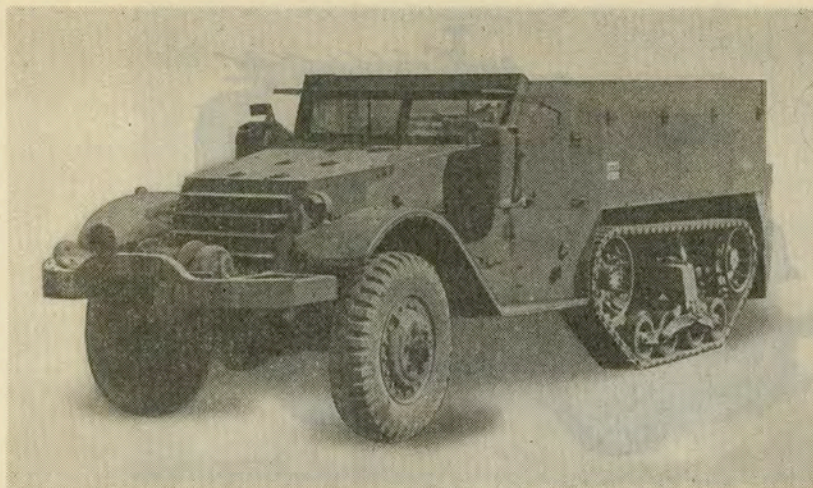


TRUCK, 15-CWT, HALF-TRACK

(M 14, 15-cwt, half-track, 135 wb)

Manufacturer—International Harvester Co.

Vehicle Code—W-HT-4-PER.



Operational Role—Armoured personnel carrier in forward areas but with modification can be used as command vehicle, ambulance, ammunition carrier or GS load carrier.

Body Details—Armour plate covers engine, hood and body. Top section side and rear armour fold down. Body seats 8 men. Removable tarpaulin top. Partition behind driver's seat. Has power-driven winch, capacity 10,000 lbs.

Performance

Bridge classification.....	(per MTP 74).....	8
Maximum gradability.....	(per cent).....	60
Turning circle (minimum).....	(ft).....	60
Angle of approach.....	(deg).....	36
Angle of departure.....	(deg).....	32
Fording depth.....	(ins).....	32
Fuel consumption (average).....	(mpg).....	3
Maximum speed.....	(mph).....	42

Engine Details

Manufacturer.....	IHC
Type.....	petrol, 4 cyc, 6 cyls in line
Size.....	bore (ins) 4 $\frac{3}{8}$, stroke (ins) 5
Power.....	141 bhp at (rpm) 2600
Ignition.....	battery (volts) 12
Capacity.....	fuel (gals) 48, water (qts) 25, oil (qts) 8

Tire Details

Treads.....	front (ins) 66 $\frac{1}{2}$, rear (ins) 63 13/16
Size.....	(ins) 9.00 x 20
Pressure.....	(see current instructions)

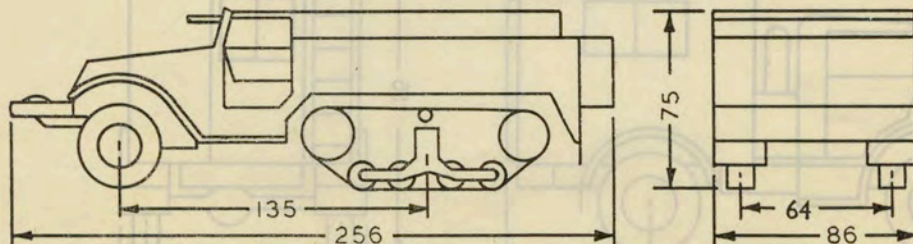
Weight and Dimensions

Curb weight (front axle).....	(lbs).....	6250
Curb weight (rear track).....	(lbs).....	9720
Laden weight (front axle).....	(lbs).....	6150
Laden weight (rear track).....	(lbs).....	13020
Ground clearance (minimum).....	(ins).....	11
Wheelbase (front to rear).....	(ins).....	135
Shipping space (deck area).....	(sq ft).....	160
Shipping space (standing).....	(cu ft).....	960
Dimensions overall.....	(see drawing below)	

Publications Applying

Maintenance manual.....	TM9-707
Parts list.....	SNL G-147
Waterproofing instrs (chassis).....	No. 71

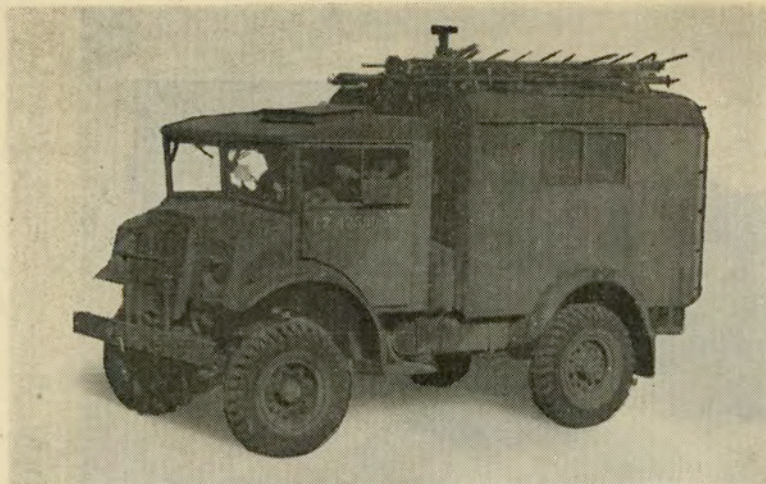
Additional Data



TRUCK, 15-CWT, LW (V)

(15-cwt, 4 x 4, 101 wb)

Manufacturer—General Motors, Ford Motor Co.



Brit built body on Ford chassis.

Operational Role—Used by radiolocation groups with HAA regiments for initial approximate location of enemy aircraft within 20 miles range and comn of infm by cable line to AA bty. (Putter-on for GL III.)

Body Details—House type, modified British design, entrance by rear door. Equipment includes Radar light warning set, removable 1260 watt Onan direct current generator, and plotting table. 2 way WT to AAOR. Includes Radar AA No. 4 Mk III (V).

Performance

Bridge classification.....	(per MTP 74)	4
Maximum gradability.....	(per cent)	52
Turning circle (minimum).....	(ft)	50
Angle of approach.....	(deg)	57
Angle of departure.....	(deg)	42
Fording depth.....	(ins)	24
Fuel consumption (average).....	(mpg)	11
Maximum speed.....	(mph)	46

Engine Details

Manufacturer.....	General Motors	
Type.....	petrol, 4 cyc, 6 cyls in line	
Size.....	bore (ins) 3½, stroke (ins) 3¾	
Power.....	85 bhp at (rpm)	3400
Ignition.....	battery (volts) 6	
Capacity...fuel (gals) 25, water (qts) 13, oil (qts) 5		

Tire Details

Treads.....	front (ins) 70, rear (ins) 70½
Size.....	(ins) 9.00 x 16
Pressure.....	(see current instructions)

Weight and Dimensions

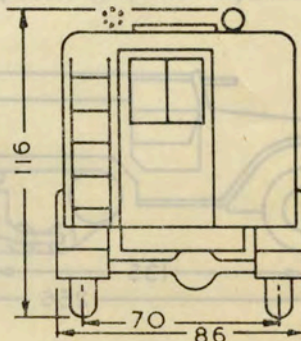
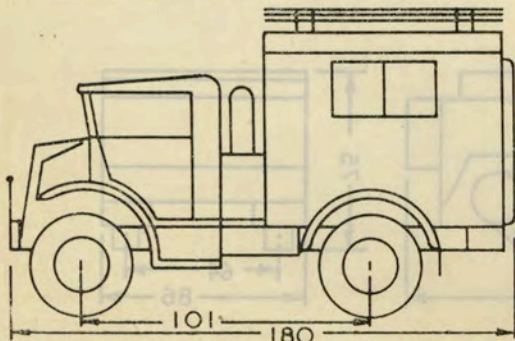
Curb weight (front axle).....	(lbs)	3640
Curb weight (rear axle).....	(lbs)	4300
Laden weight (front axle).....	(lbs)	3900
Laden weight (rear axle).....	(lbs)	4400
Ground clearance (minimum).....	(ins)	8
Wheelbase (front to rear).....	(ins)	101
Shipping space (deck area).....	(sq ft)	110
Shipping space (standing).....	(cu ft)	1050
Dimensions overall.....	(see drawing below)	

Publications Applying

Maintenance manual.....	MB-C2
Parts list.....	C15-02
Waterproofing instrs (chassis).....	No. 21

Additional Data

(Above covers General Motors, for Ford engine see page 55. Ford Waterproofing instrs No. 45.)



TRUCK, 15-CWT, MACHINERY "KL"

(15-cwt, 4 x 4, 101 wb)

Manufacturer—Ford Motor Co.

Vehicle Code—F15A-MACH-KL.

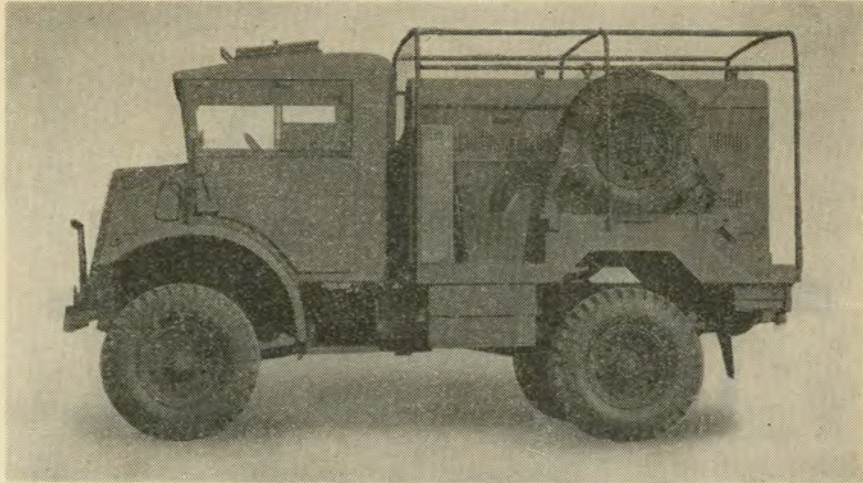


Photo shows vehicle with tarpaulin removed from superstructure

Operational Role—Used by RCEME for electric welding when such is needed in the performance of repairs to equipment in the field.

Body Details—Tubular superstructure, tarpaulin, POW carriers. Machinery includes 300 ampere welder, 95 HP engine driving same, portable grinder, welder's table, welder's screen, vice, cables and accessories.

Performance

Bridge classification.....	(per MTP 74).....	5
Maximum gradability.....	(per cent).....	52
Turning circle (minimum).....	(ft).....	49
Angle of approach.....	(deg).....	50
Angle of departure.....	(deg).....	36
Fording depth.....	(ins).....	24
Fuel consumption (average).....	(mpg).....	11
Maximum speed.....	(mph).....	51

Engine Details

Manufacturer.....	Ford
Type.....	petrol, 4 cyc, 8 cys, V-8
Size.....	bore (ins) 3 3/16 stroke (ins) 3 3/4
Power.....	95 bhp at (rpm) 3600
Ignition.....	battery (volts) 6
Capacity... fuel (gals) 24, water (qts) 20, oil (qts) 4	

Tire Details

Treads.....	front (ins) 69 3/4, rear (ins) 70 1/2
Size.....	(ins) 9.00 x 16
Pressure.....	(see current instructions)

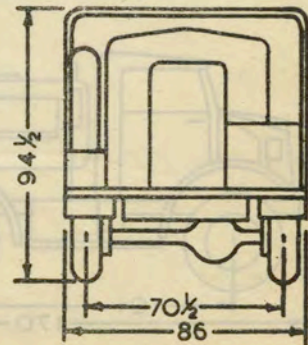
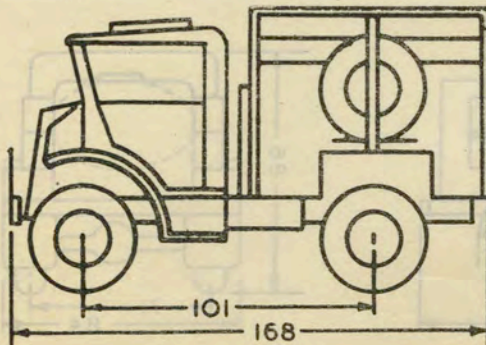
Weight Dimensions

Curb weight (front axle).....	(lbs).....	4290
Curb weight (rear axle).....	(lbs).....	7340
Laden weight (front axle).....	(lbs).....	4540
Laden weight (rear axle).....	(lbs).....	7540
Ground clearance (minimum).....	(ins).....	8
Wheelbase (front to rear).....	(ins).....	101
Shipping space (deck area).....	(sq ft).....	100
Shipping space (standing).....	(cu ft).....	800
Dimensions overall.....	(see drawing below)	

Publications Applying

Maintenance manual.....	SE-167, MB-F1
Parts list.....	F15A-01
Waterproofing instrs (chassis).....	No. 45

Additional Data

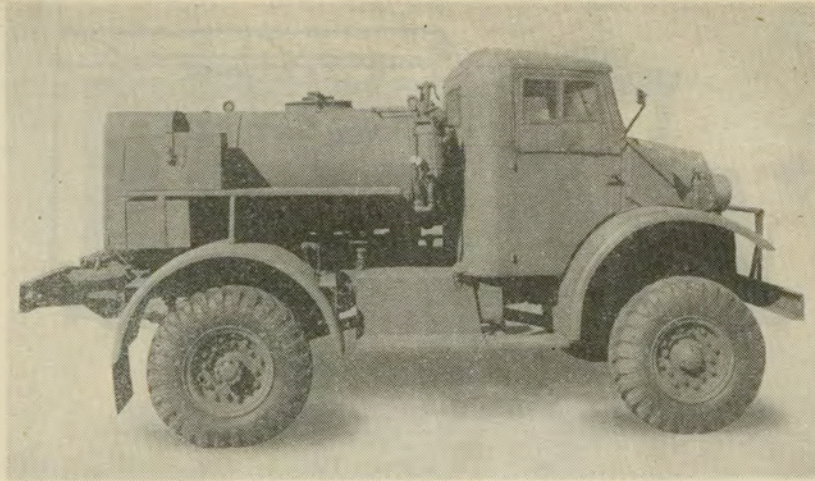


TRUCK, 15-CWT, WATER

(15-cwt, 4 x 4, 101 wb)

Manufacturer—General Motors.

Vehicle Code—C15A-WATR.



Spare tire can be carried at rear top of tank

Operational Role—Used for pickup of drinking water and filtration and transportation of same as required for units in the field.

Body Details—200 gallon steel tank baffled to prevent surge. Equipment includes power take-off pump, emergency hand pumps, filter unit, suction hose and water testing equipment. Some models have tubular tarpaulin superstructure.

Performance

Bridge classification.....	(per MTP 74).....	5
Maximum gradability.....	(per cent).....	53
Turning circle (minimum).....	(ft).....	50
Angle of approach.....	(deg).....	57
Angle of departure.....	(deg).....	41
Fording depth.....	(ins).....	24
Fuel consumption (average).....	(mpg).....	13
Maximum speed.....	(mph).....	46

Engine Details

Manufacturer.....	General Motors
Type.....	petrol, 4 cyc, 6 cyls in line
Size.....	bore (ins) 3½, stroke (ins) 3¾
Power.....	85 bhp at (rpm) 3400
Ignition.....	battery (volts) 6
Capacity.....	fuel (gals) 25, water (qts) 13, oil (qts) 5

Tire Details

Treads.....	front (ins) 70, rear (ins) 70½
Size.....	(ins) 9.00 x 16
Pressure.....	(see current instructions)

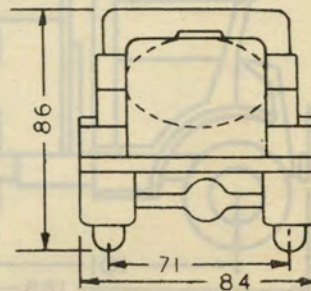
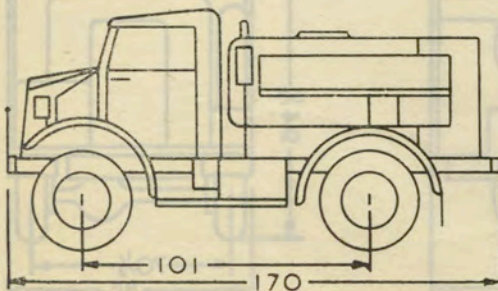
Weight and Dimensions

Curb weight (front axle).....	(lbs).....	3650
Curb weight (rear axle).....	(lbs).....	4580
Laden weight (front axle).....	(lbs).....	4350
Laden weight (rear axle).....	(lbs).....	6650
Ground clearance (minimum).....	(ins).....	8
Wheelbase (front to rear).....	(ins).....	101
Shipping space (deck area).....	(sq ft).....	100
Shipping space (standing).....	(cu ft).....	700
Dimensions overall.....	(see drawing below)	

Publications Applying

Maintenance manual.....	MB-C2
Parts list.....	C15A-O2
Waterproofing instrs (chassis).....	No. 21

Additional Data

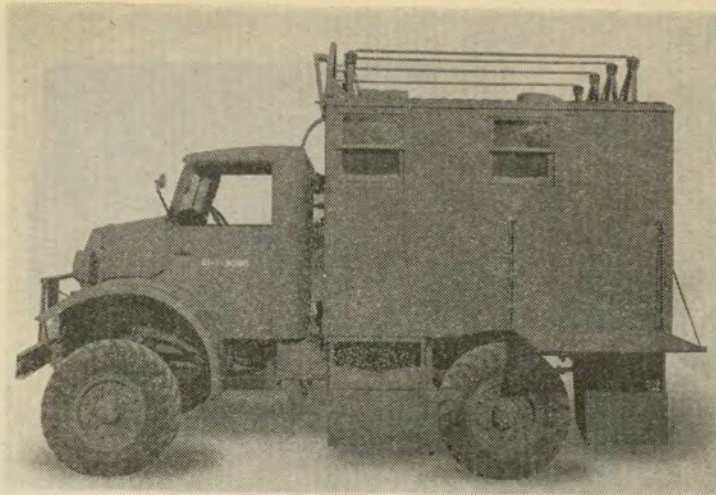


TRUCK, 15-CWT, WIRELESS

(15-cwt, 4 x 4, 101 wb)

Manufacturer—General Motors.

Vehicle Code—C15A-WIRE.



Aerial shown in photo now replaced by standard No. 19 set A and B aerial bases.

Operational Role—Used for wireless communication working forward and back by Armd Regts, Armd Recce Regts, Survey Regts, Bde HQs and other formations, being employed where No. 19 set and amplifier are required.

Body Details—House type, steel, length 7 ft, entrance by rear door, blackouts, seats for 2 operators, folding map table on body outside. Equipment includes No. 19 set and amplifier, two 300 watt charging sets, 4 sigs batteries, aerial gear.

Performance

Bridge classification.....(per MTP 74).....	5
Maximum gradability.....(per cent).....	53
Turning circle (minimum).....(ft).....	50
Angle of approach.....(deg).....	57
Angle of departure.....(deg).....	41
Fording depth.....(ins).....	24
Fuel consumption (average).....(mpg).....	13
Maximum speed.....(mph).....	47

Engine Details

Manufacturer.....	General Motors
Type.....	petrol, 4 cyc, 6 cyls in line
Size.....	bore (ins) 3½, stroke (ins) 3¾
Power.....	85 bhp at (rpm) 3400
Ignition.....	battery (volts) 6
Capacity.....	fuel (gals) 25, water (qts) 13, oil (qts) 5

Tire Details

Treads.....	front (ins) 70, rear (ins) 70½
Size.....	(ins) 9.00 x 16
Pressure.....	(see current instructions)

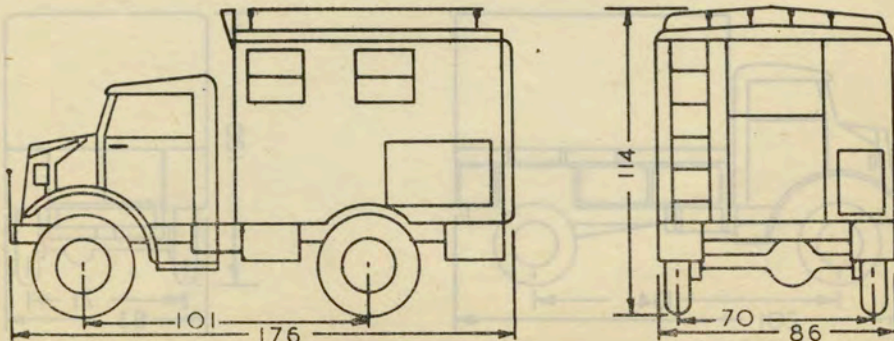
Weight and Dimensions

Curb weight (front axle).....(lbs).....	3900
Curb weight (rear axle).....(lbs).....	5880
Laden weight (front axle).....(lbs).....	4230
Laden weight (rear axle).....(lbs).....	6440
Ground clearance (minimum).....(ins).....	8
Wheelbase (front to rear).....(ins).....	101
Shipping space (deck area).....(sq ft).....	110
Shipping space (standing).....(cu ft).....	1000
Dimensions overall.....(see drawing below)	

Publications Applying

Maintenance manual.....	MB-C2
Parts list.....	C15A-02
Waterproofing instrs (chassis).....	No. 21

Additional Data

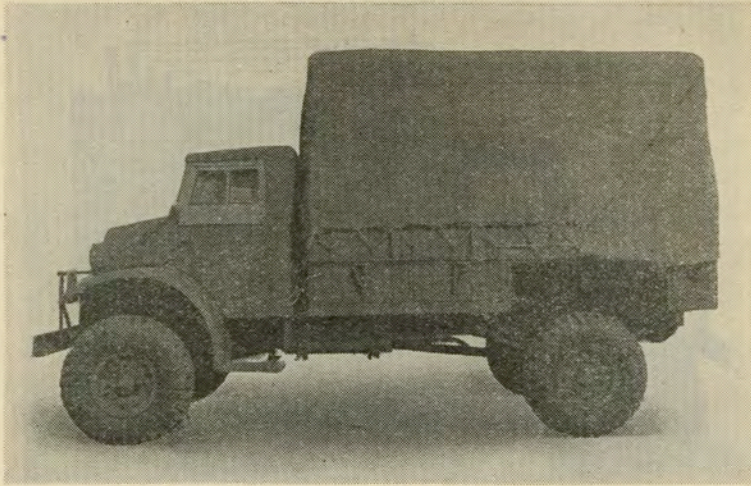


LORRY, 30-CWT, GS*

(30-cwt, 4 x 4, 134 wb)

Manufacturer—Ford Motor Co., General Motors.

Vehicle Code—C30444-M-GS.



Operational Role—This vehicle is obsolescent but a limited number are used in UK by CRU or other base units as general purpose load carriers for supplies and stores, running over highways only.

Body Details—Steel, welded, length 10 ft, hinged sides and tail-gate, superstructure, tarpaulin, lockers for tools and equipment, POW carriers. No tire carrier is supplied.

Performance

Bridge classification.....(per MTP 74).....	5
Maximum gradability.....(per cent).....	53
Turning circle (minimum).....(ft).....	62
Angle of approach.....(deg).....	58
Angle of departure.....(deg).....	38
Fording depth.....(ins).....	24
Fuel consumption (average).....(mpg).....	9
Maximum speed.....(mph).....	50

Engine Details

Manufacturer.....	General Motors
Type.....	petrol, 4 cyc, 6 cyls in line
Size.....	bore (ins) 3½, stroke (ins) 3¾
Power.....	85 bhp at (rpm) 3400
Ignition.....	battery (volts) 6
Capacity...fuel (gals) 25, water (qts) 13, oil (qts) 5	

Tire Details

Treads.....	front (ins) 70, rear (ins) 70½
Size.....	(ins) 10.50 x 16
Pressure.....	(see current instructions)

Weight and Dimensions

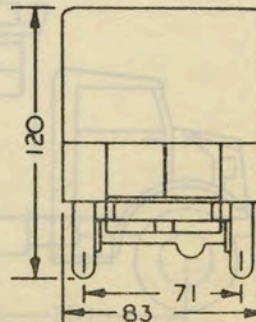
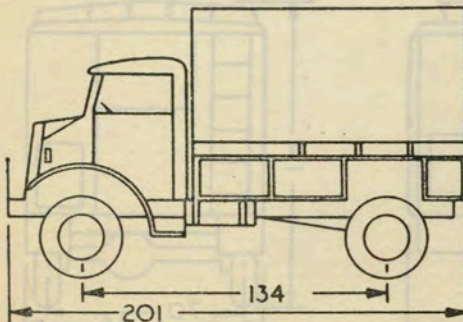
Curb weight (front axle).....(lbs).....	4150
Curb weight (rear axle).....(lbs).....	3990
Laden weight (front axle).....(lbs).....	4850
Laden weight (rear axle).....(lbs).....	7030
Ground clearance (minimum).....(ins).....	9
Wheelbase (front to rear).....(ins).....	134
Shipping space (deck area).....(sq ft).....	120
Shipping space (standing).....(cu ft).....	1200
Dimensions overall.....(see drawing below)	

Publications Applying

Maintenance manual.....	MB-C2
Parts list.....	C30-01
Waterproofing instrs (chassis).....	No. 21

Additional Data

(*This vehicle is obsolescent and is not used in any active theatre. Ford product essentially as above except that it has V-8 engine. Ford Waterproofing instrs No. 44.)

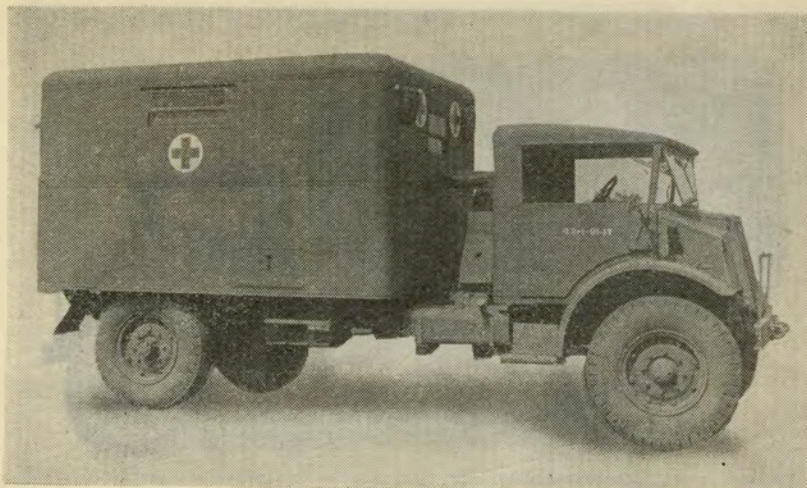


LORRY, 3-TON, AMBULANCE

(3-ton, 4 x 4, 158 wb)

Manufacturer—Ford Motor Co.

Vehicle Code—F60L-AMB.



Operational Role—Used by RCAMC as standard ambulance car for field ambulance units and motor ambulance companies to transport wounded between advanced dressing stations, field dressing stations, casualty clearing stations and hospitals.

Body Details—House type, length 10 ft, entrance by rear door, ventilators. Equipment includes heater, fan, water tank, blanket supply, medical lockers, stretchers. Will take 2 lying and 4 sitting patients.

Performance

Bridge classification.....(per MTP 74).....	9
Maximum gradability.....(per cent).....	53
Turning circle (minimum).....(ft).....	72
Angle of approach.....(deg).....	57
Angle of departure.....(deg).....	30
Fording depth.....(ins).....	24
Fuel consumption (average).....(mpg).....	7
Maximum speed.....(mph).....	50

Engine Details

Manufacturer.....	Ford
Type.....	petrol, 4 cyc, 8 cyls, V-8
Size.....bore (ins) 3 3/16, stroke (ins) 3 3/8	
Power.....	95 bhp at (rpm) 3600
Ignition.....	battery (volts) 6
Capacity.....fuel (gals) 24, water (qts) 20, oil (qts) 4	

Tire Details

Treads.....	front (ins) 70 1/2, rear (ins) 69
Size.....	(ins) 10.50 x 20
Pressure.....	(see current instructions)

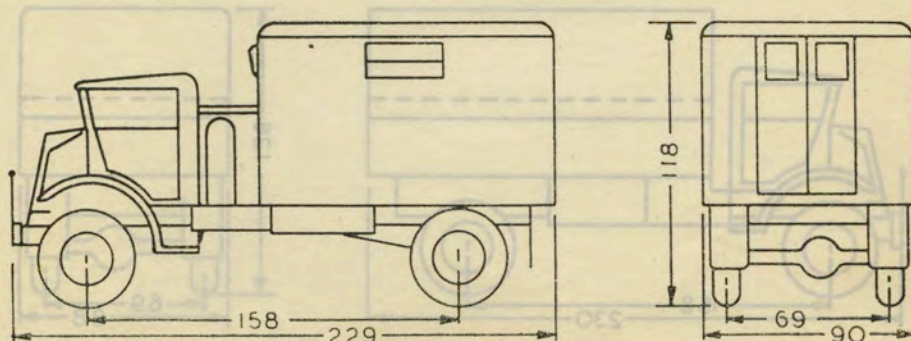
Weight and Dimensions

Curb weight (front axle).....(lbs).....	4900
Curb weight (rear axle).....(lbs).....	7020
Laden weight (front axle).....(lbs).....	5430
Laden weight (rear axle).....(lbs).....	7630
Ground clearance (minimum).....(ins).....	11
Wheelbase (front to rear).....(ins).....	158
Shipping space (deck area).....(sq ft).....	150
Shipping space (standing).....(cu ft).....	1500
Dimensions overall.....(see drawing below)	

Publications Applying

Maintenance manual.....	MB-F1
Parts list.....	F60L-O1
Waterproofing instrs (chassis).....	No. 61

Additional Data

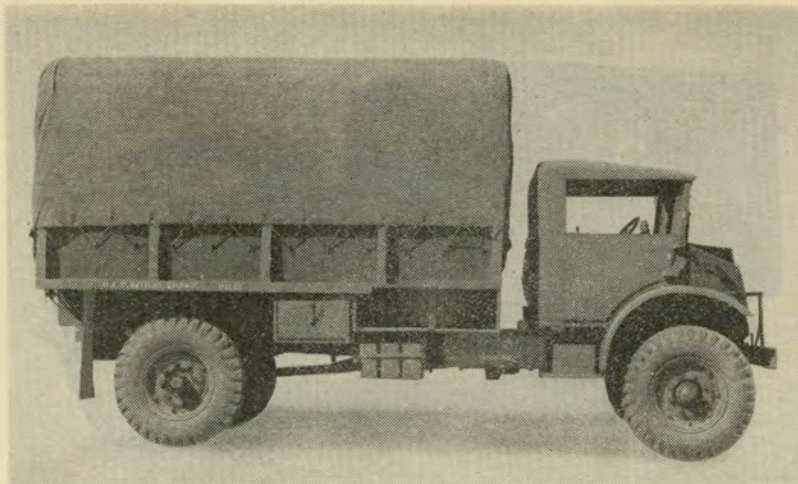


LORRY, 3-TON, BATTERY STORAGE

(3-ton, 4 x 4, 158 wb)

Manufacturer—General Motors.

Vehicle Code—C60L-M-MACH-BS.



Entrance to interior of body from rear by steel ladder

Operational Role—Used by RCOC field parks for storing and transporting storage batteries. Freshening charge can be applied to batteries by interconnection with type I or battery charging lorry.

Body Details—12 ft GS body, with tubular steel superstructure, screening, tarpaulin cover. Interior has racks for 84 batteries, condition and capacity meter, bus bars and battery charging leads.

Performance

Bridge classification.....(per MTP 74).....	7
Maximum gradability.....(per cent).....	53
Turning circle (minimum).....(ft).....	67
Angle of approach.....(deg).....	65
Angle of departure.....(deg).....	45
Fording depth.....(ins).....	24
Fuel consumption (average).....(mpg).....	13
Maximum speed.....(mph).....	44

Engine Details

Manufacturer.....	General Motors
Type.....	petrol, 4 cyc, 6 cyls in line
Size.....	bore (ins) $3\frac{1}{2}$, stroke (ins) $3\frac{3}{4}$
Power.....	85 bhp at (rpm) 3400
Ignition.....	battery (volts) 6
Capacity...fuel (gals) 25, water (qts) 13, oil (qts) 5	

Tire Details

Treads.....	front (ins) $68\frac{1}{2}$, rear (ins) 69
Size.....	(ins) 10.50 x 20
Pressure.....	(see current instructions)

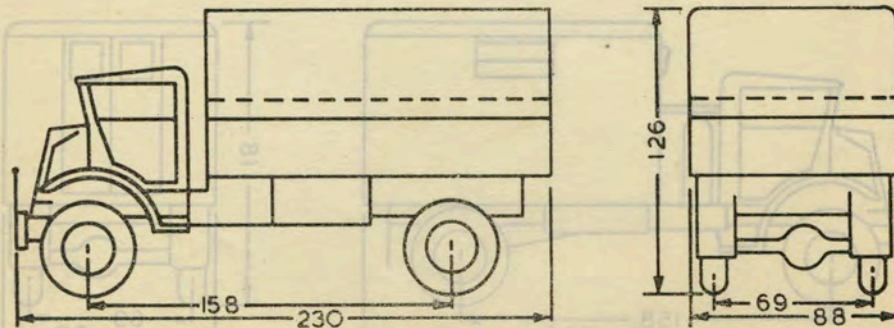
Weight and Dimensions

Curb weight (front axle).....(lbs).....	5470
Curb weight (rear axle).....(lbs).....	7300
Laden weight (front axle).....(lbs).....	5940
Laden weight (rear axle).....(lbs).....	9160
Ground clearance (minimum).....(ins).....	11
Wheelbase (front to rear).....(ins).....	158
Shipping space (deck area).....(sq ft).....	150
Shipping space (standing).....(cu ft).....	1500
Dimensions overall.....(see drawing below)	

Publications Applying

Maintenance manual.....	WM-3845, MB-C2
Parts list.....	C60L-02
Waterproofing instrs (chassis).....	No. 21

Additional Data



LORRY, 3-TON, BULK PETROL

(3-ton, 4 x 4, 158 wb)

Manufacturer—General Motors.

Vehicle Code—C60L-M-GAS.

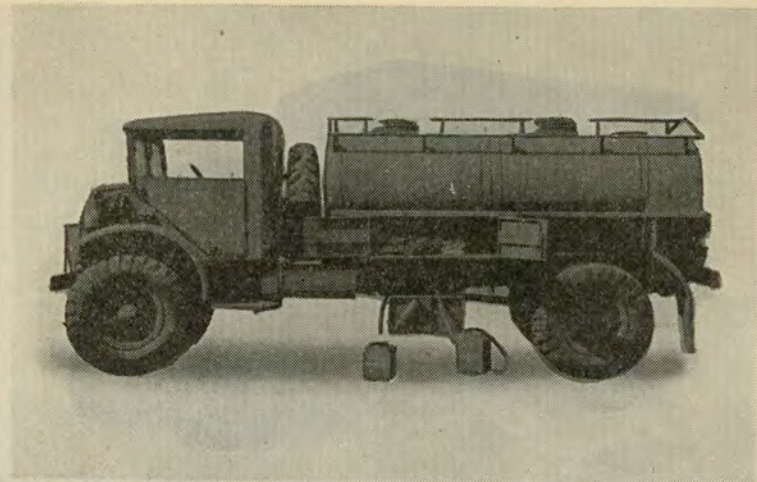


Photo shows tarpaulin removed, chain lockers open and filling 2 gallon cans by gravity

Operational Role—Used by RCASC general transport company for bulk transport of petrol in operational areas and by CACRU and CCOD for the same purpose in non-operational areas.

Body Details—Steel tank, length 131 ins, two baffled 400 gal compartments, manholes, relief valves, sediment sump, bucket bin at rear carrying 2 rotary hand pumps, valve control levers, discharge hoses, nozzles, spare parts. Equipment includes fire extinguishers, grounding device, dipsticks, tools. Petrol can be picked up from underground tanks, pumped to delivery hoses, or discharged by gravity.

Performance

Bridge classification.....	(per MTP 74).....	8
Maximum gradability.....	(per cent).....	53
Turning circle (minimum).....	(ft).....	75
Angle of approach.....	(deg).....	70
Angle of departure.....	(deg).....	48
Fording depth.....	(ins).....	24
Fuel consumption (average).....	(mpg).....	8
Maximum speed.....	(mph).....	44

Engine Details

Manufacturer.....	General Motors
Type.....	petrol, 4 cyc, 6 cyls in line
Size.....	bore (ins) 3½, stroke (ins) 3¾
Power.....	85 bhp at (rpm) 3400
Ignition.....	battery (volts) 6
Capacity.....	fuel (gals) 25, water (qts) 13, oil (qts) 5

Tire Details

Treads.....	front (ins) 68½, rear (ins) 69
Size.....	(ins) 10.50 x 20
Pressure.....	(see current instructions)

Weight and Dimensions

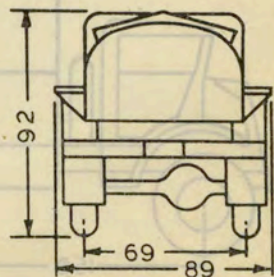
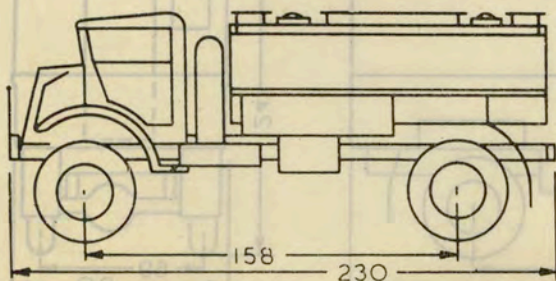
Curb weight (front axle).....	(lbs).....	4980
Curb weight (rear axle).....	(lbs).....	4420
Laden weight (front axle).....	(lbs).....	5960
Laden weight (rear axle).....	(lbs).....	9890
Ground clearance (minimum).....	(ins).....	11
Wheelbase (front to rear).....	(ins).....	158
Shipping space (deck area).....	(sq ft).....	150
Shipping space (standing).....	(cu ft).....	1500
Dimensions overall.....	(see drawing below)	

Publications Applying

Maintenance manual.....	MB-C2
Parts list.....	C60L-02
Waterproofing instrs (chassis).....	No. 21

Additional Data

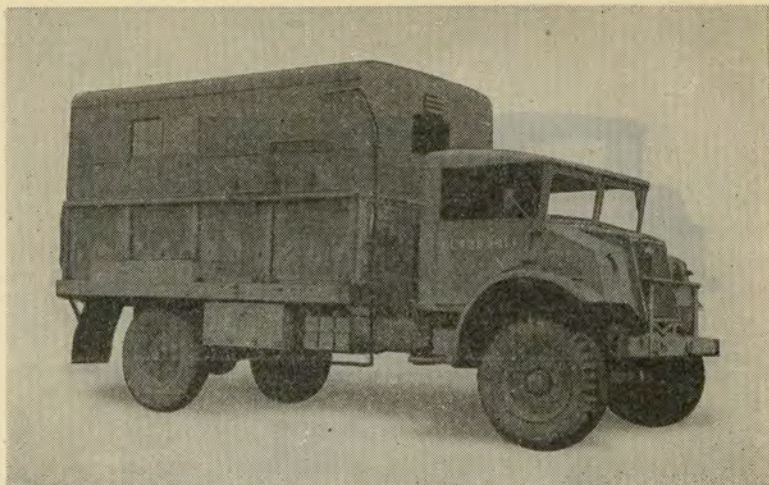
(Rear axle weights above are for latest models without bucket compartment.)



LORRY, 3-TON, CARAVAN

(3-ton, 4 x 4, 158 wb)

Manufacturer—General Motors, Ford Motor Co.



Operational Role—Used as personal office and living quarters for senior officers of formation headquarters in the field.

Body Details—House type, length 12 ft, entrance by rear door and light ladder. Interior divided into office space and sleeping compartment. Office space includes desk, bench, cabinet for papers, mapboard. Sleeping quarters include bed, uniform wardrobe, wash-basin, bookcase. Lighting from power trailer or emergency battery.

Performance

Bridge classification.....(per MTP 74).....	5
Maximum gradability.....(per cent).....	53
Turning circle (minimum).....(ft).....	67
Angle of approach.....(deg).....	65
Angle of departure.....(deg).....	45
Fording depth.....(ins).....	24
Fuel consumption (average).....(mpg).....	8
Maximum speed.....(mph).....	44

Engine Details

Manufacturer.....	General Motors
Type.....	petrol, 4 cyc, 6 cyls in line
Size.....	bore (ins) 3½, stroke (ins) 3½
Power.....	85 bhp at (rpm) 3400
Ignition.....	battery (volts) 6
Capacity...fuel (gals) 25, water (qts) 13, oil (qts) 5	

Tire Details

Treads.....	front (ins) 68½, rear (ins) 69
Size.....	(ins) 10.50 x 20
Pressure.....	(see current instructions)

Weight and Dimensions

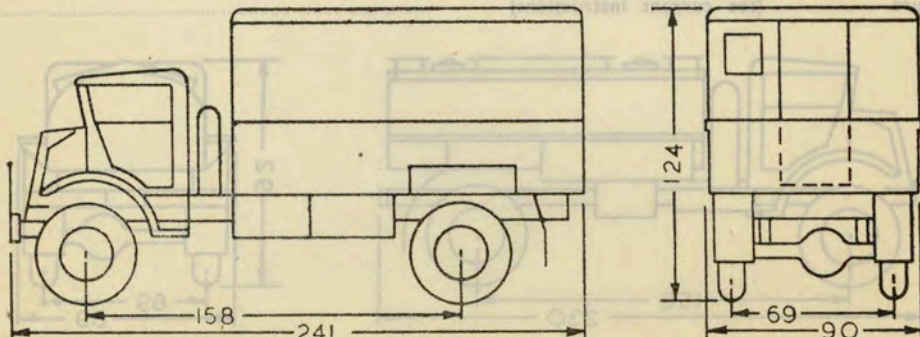
Curb weight (front axle).....(lbs).....	5500
Curb weight (rear axle).....(lbs).....	5900
Laden weight (front axle).....(lbs).....	5800
Laden weight (rear axle).....(lbs).....	7200
Ground clearance (minimum).....(ins).....	11
Wheelbase (front to rear).....(ins).....	158
Shipping space (deck area).....(sq ft).....	150
Shipping space (standing).....(cu ft).....	1500
Dimensions overall.....	(see drawing below)

Publications Applying

Maintenance manual.....	MB-C2
Parts list.....	C60L-02
Waterproofing instrs (chassis).....	No. 21

Additional Data

(Above covers General Motors, for Ford engine see page 71. Future production will be on 2-wh trailer chassis. Ford Waterproofing instrs No. 44.)



LORRY, 3-TON, CIPHER OFFICE

(3-ton, 4 x 4, 158 wb)

Manufacturer—General Motors.

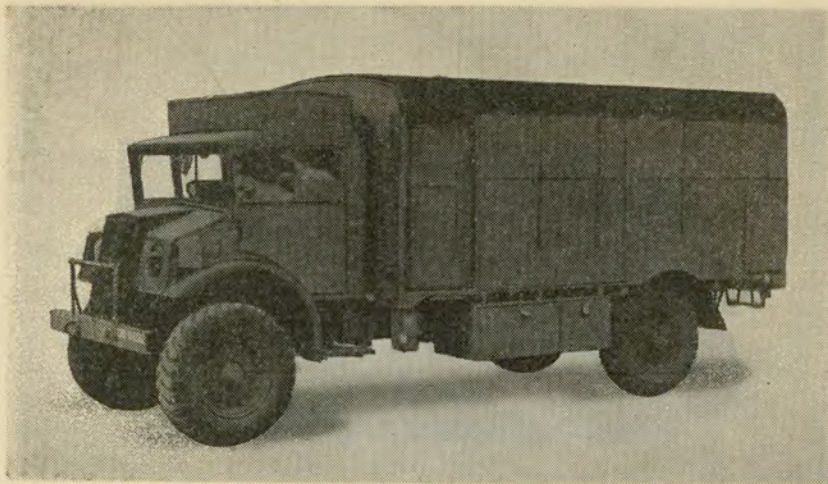


Photo shows battery and chorehorse lockers under body, cable reel rack at rear

Operational Role—Used by RC Sigs in Div, Corps, Army and L of C formation headquarters as cipher office to house two cipher machines and provide desk and seat space for operators and clerks who code and decode cipher messages.

Body Details—House type, Brit built, steel, length 13 ft, side and rear doors. Equipment includes 2 type X cipher machines, batteries, chorehorse, cable reels, penthouse. Furniture can be removed and set up in penthouse.

Performance

Bridge classification.....	(per MTP 74).....	8
Maximum gradability.....	(per cent).....	53
Turning circle (minimum).....	(ft).....	75
Angle of approach.....	(deg).....	65
Angle of departure.....	(deg).....	45
Fording depth.....	(ins).....	24
Fuel consumption (average).....	(mpg).....	8
Maximum speed.....	(mph).....	44

Engine Details

Manufacturer.....	General Motors	
Type.....	petrol, 4 cyc, 6 cys in line	
Size.....	bore (ins) $3\frac{1}{2}$, stroke (ins) $3\frac{3}{4}$	
Power.....	85 bhp at (rpm) 3400	
Ignition.....	battery (volts) 6	
Capacity.....	fuel (gals) 25, water (qts) 13, oil (qts) 5	

Tire Details

Treads.....	front (ins) $68\frac{1}{2}$, rear (ins) 69
Size.....	(ins) 10.50 x 20
Pressure.....	(see current instructions)

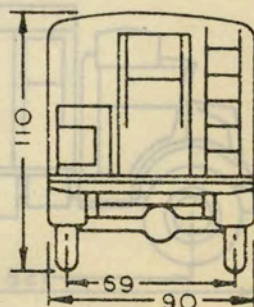
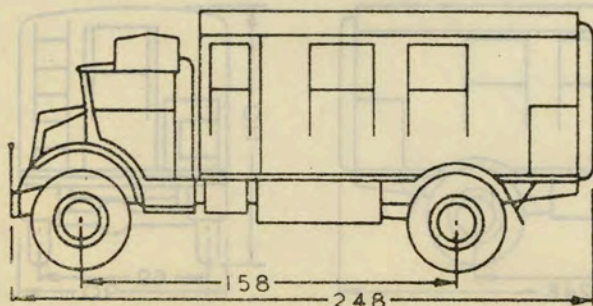
Weight and Dimensions

Curb weight (front axle).....	(lbs).....	5500
Curb weight (rear axle).....	(lbs).....	5600
Laden weight (front axle).....	(lbs).....	6200
Laden weight (rear axle).....	(lbs).....	6100
Ground clearance (minimum).....	(ins).....	11
Wheelbase (front to rear).....	(ins).....	158
Shipping space (deck area).....	(sq ft).....	160
Shipping space (standing).....	(cu ft).....	1400
Dimensions overall.....	(see drawing below)	

Publications Applying

Maintenance manual.....	MB-C2
Parts list.....	C60L-02
Waterproofing instrs (chassis).....	No. 21

Additional Data



LORRY, 3-TON, COMMAND HIGH POWER, (TYPE H53)

(3-ton, 4x4, 158 wb)

Manufacturer—General Motors.

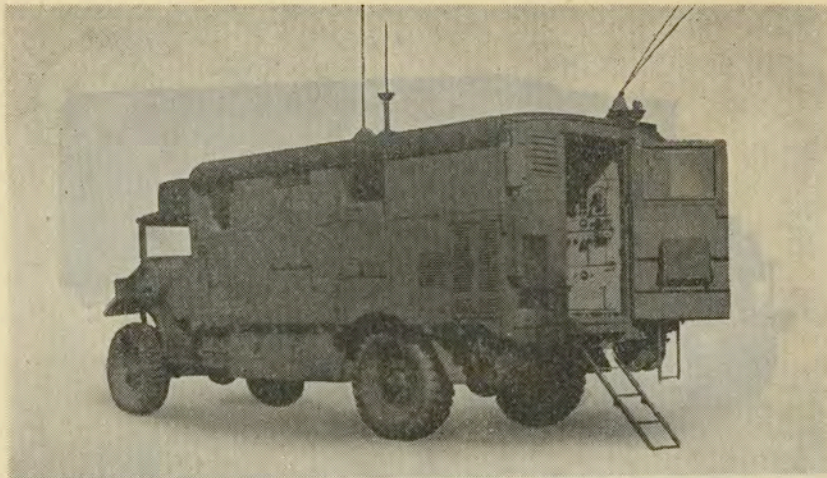


Photo shows aerials erected as in normal operating condition

Operational Role—Used by RC Sigs at Corps and Div HQs, to carry high power wireless equipment for staff communication with flanking Corps, Divs and armoured car regiments under command.

Body Details—House type, Brit built, steel, length 13 ft, side and rear doors. Equipment includes No. 53 set with R 107 receiver, also No. 19 set, 3-kva generator petrol driven, rectifier, batteries. Divided into 2 compartments. Forward has mapboard, head sets, desk, remote controls, seats 5. Rear houses wireless equipment, generator, seats 3 of crew.

Performance

Bridge classification.....	(per MTP 74).....	8
Maximum gradability.....	(per cent).....	53
Turning circle (minimum).....	(ft).....	75
Angle of approach.....	(deg).....	65
Angle of departure.....	(deg).....	45
Fording depth.....	(ins).....	24
Fuel consumption (average).....	(mpg).....	8
Maximum speed.....	(mph).....	44

Engine Details

Manufacturer.....	General Motors	
Type.....	petrol, 4 cyc, 6 cyls in line	
Size.....	bore (ins) 3½, stroke (ins) 3¾	
Power.....	85 bhp at (rpm) 3400	
Ignition.....	battery (volts) 6	
Capacity...fuel (gals) 25, water (qts) 13, oil (qts) 5		

Tire Details

Treads.....	front (ins) 68½, rear (ins) 69
Size.....	(ins) 10.50 x 20
Pressure.....	(see current instructions)

Weight and Dimensions

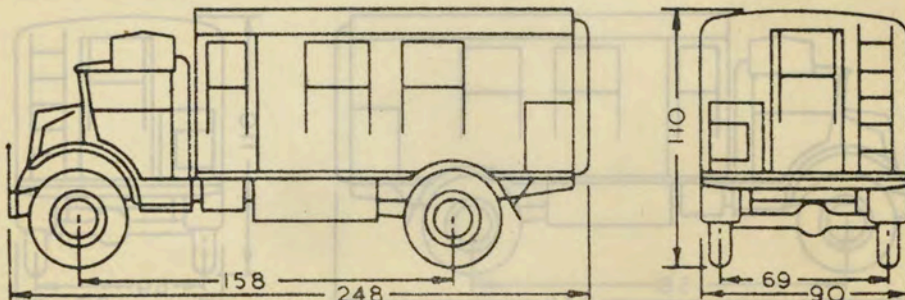
Curb weight (front axle).....	(lbs).....	5500
Curb weight (rear axle).....	(lbs).....	5600
Laden weight (front axle).....	(lbs).....	6200
Laden weight (rear axle).....	(lbs).....	6100
Ground clearance (minimum).....	(ins).....	11
Wheelbase (front to rear).....	(ins).....	158
Shipping space (deck area).....	(sq ft).....	160
Shipping space (standing).....	(cu ft).....	1400
Dimensions overall.....	(see drawing below)	

Publications Applying

Maintenance manual.....	MB-C2
Parts list.....	C60L-02
Waterproofing instrs (chassis).....	No. 21

Additional Data

(Alternative role is signals office vehicle when penthouses carried on cab roof can be erected.)



LORRY, 3-TON, COMMAND LOW POWER

(3-ton, 4 x 4, 158 wb)

Manufacturer—General Motors.

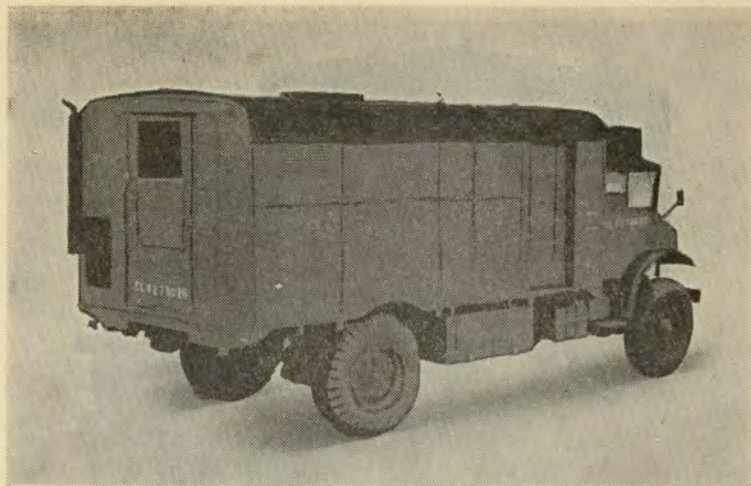


Photo shows generator compartment panel left rear and penthouse poles on roof

Operational Role—Used by RC Sigs at Corps and Div HQs to carry low power transmitting and receiving equipment paralleling HP communication with flanking Corps and Divs but also working forward for commanders, as CREME to LADs.

Body Details—House type, Brit built, steel, length 13 ft, side and rear doors. Equipment includes one No. 19 set, also one No. C52 set, batteries, 1260 watt battery charging set petrol driven. Divided into 2 compartments. Forward compartment has head sets, desk, remote controls, seats 5. Rear houses wireless equipment, generator, seats 3 of crew.

Performance

Bridge classification.....	(per MTP 74).....	8
Maximum gradability.....	(per cent).....	53
Turning circle (minimum).....	(ft).....	75
Angle of approach.....	(deg).....	65
Angle of departure.....	(deg).....	45
Fording depth.....	(ins).....	24
Fuel consumption (average).....	(mpg).....	8
Maximum speed.....	(mph).....	44

Engine Details

Manufacturer.....	General Motors	
Type.....	petrol, 4 cyc, 6 cyls in line	
Size.....	bore (ins) $3\frac{1}{2}$, stroke (ins) $3\frac{3}{4}$	
Power.....	85 bhp at (rpm) 3400	
Ignition.....	battery (volts) 6	
Capacity...fuel (gals) 25, water (qts) 13, oil (qts) 5		

Tire Details

Treads.....	front (ins) $68\frac{1}{2}$, rear (ins) 69
Size.....	(ins) 10.50 x 20
Pressure.....	(see current instructions)

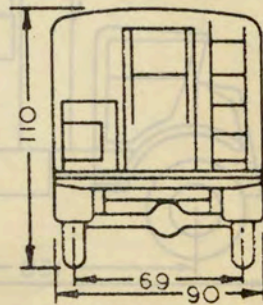
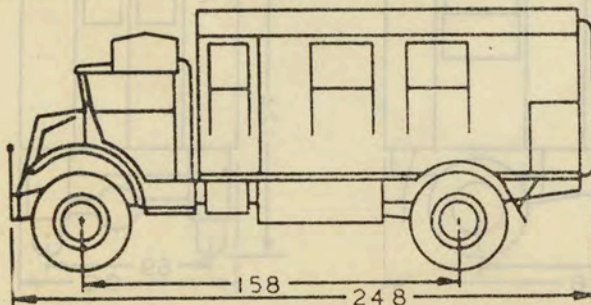
Weight and Dimensions

Curb weight (front axle).....	(lbs).....	5500
Curb weight (rear axle).....	(lbs).....	5600
Laden weight (front axle).....	(lbs).....	6200
Laden weight (rear axle).....	(lbs).....	6100
Ground clearance (minimum).....	(ins).....	11
Wheelbase (front to rear).....	(ins).....	158
Shipping space (deck area).....	(sq ft).....	160
Shipping space (standing).....	(cu ft).....	1400
Dimensions overall.....	(see drawing below)	

Publications Applying

Maintenance manual.....	MB-C2
Parts list.....	C60L-02
Waterproofing instrs (chassis).....	No. 21

Additional Data

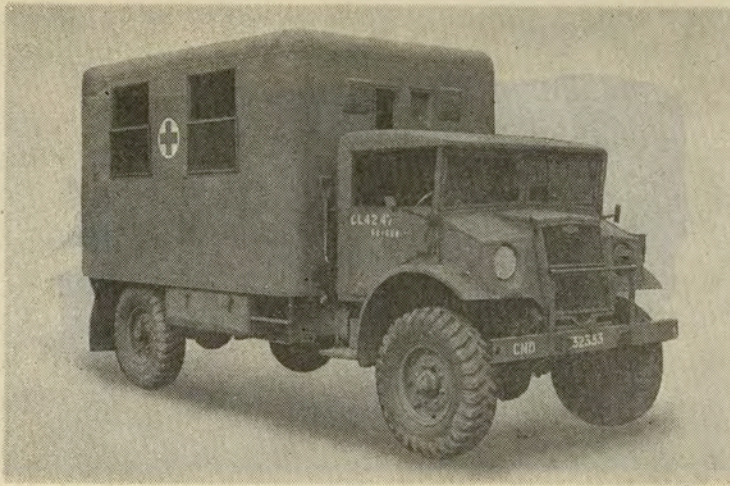


LORRY, 3-TON, DENTAL

(3-ton, 4 x 4, 158 wb)

Manufacturer—General Motors.

Vehicle Code—C60L-DENT.



Operational Role—Used by CDC as a mobile clinic to provide dental service for units in the field. Each dental officer in field dental coys is provided with one such vehicle.

Body Details—House type, steel, length 12 ft, fitted with water tanks, side windows, interior lighting and 2½-kw Homelite generator. Field dental equipment is provided by CDC as required.

Performance

Bridge classification.....(per MTP 74).....	6
Maximum gradability.....(per cent).....	53
Turning circle (minimum).....(ft).....	67
Angle of approach.....(deg).....	65
Angle of departure.....(deg).....	45
Fording depth.....(ins).....	24
Fuel consumption (average).....(mpg).....	8
Maximum speed.....(mph).....	43

Engine Details

Manufacturer.....	General Motors
Type.....	petrol, 4 cyc, 6 cyls in line
Size.....	bore (ins) 3½, stroke (ins) 3½
Power.....	85 bhp at (rpm) 3400
Ignition.....	battery (volts) 6
Capacity.....	fuel (gals) 25, water (qts) 13, oil (qts) 5

Tire Details

Treads.....	front (ins) 68½, rear (ins) 69
Size.....	(ins) 10.50 x 20
Pressure.....	(see current instructions)

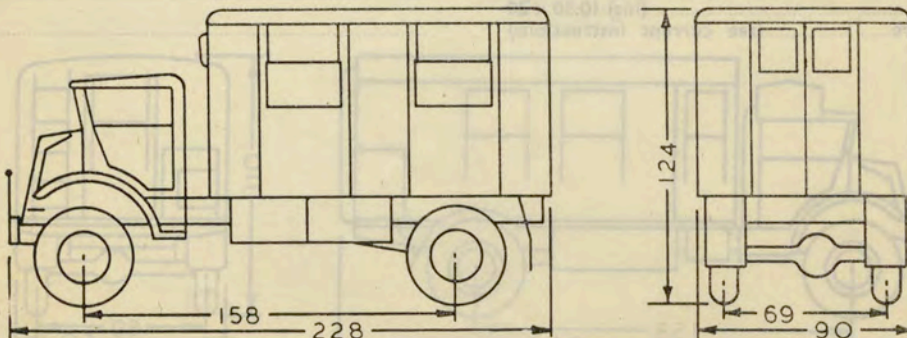
Weight and Dimensions

Curb weight (front axle).....(lbs).....	5490
Curb weight (rear axle).....(lbs).....	5850
Laden weight (front axle).....(lbs).....	6280
Laden weight (rear axle).....(lbs).....	7730
Ground clearance (minimum).....(ins).....	11
Wheelbase (front to rear).....(ins).....	158
Shipping space (deck area).....(sq ft).....	150
Shipping space (standing).....(cu ft).....	1500
Dimensions overall.....(see drawing below)	

Publications Applying

Maintenance manual.....	MB-C2
Parts list.....	C60L-02
Waterproofing instrs (chassis).....	No. 21

Additional Data



LORRY, 3-TON, DERRICK

(3-ton, 4 x 4, 134 wb)

Manufacturer—Ford Motor Co.

Vehicle Code—F60S-DRCK.

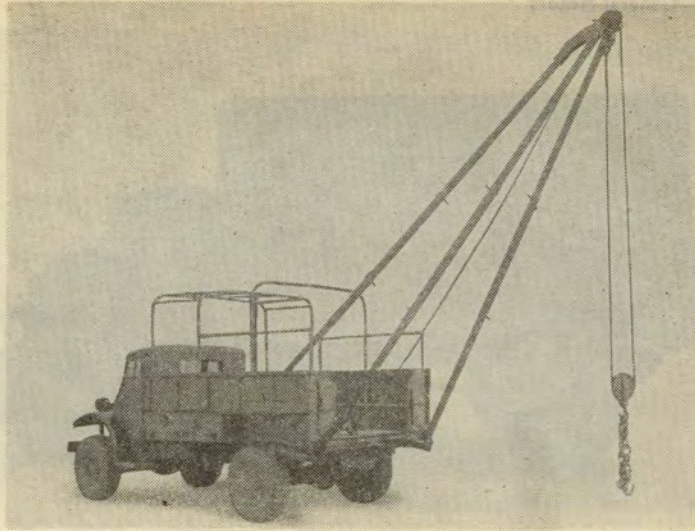


Photo shows tarpaulin removed and derrick legs set up for operation

Operational Role—Used by RCE for bridging operations to handle girders, panels, etc., and general light lifting. Winch available for de-ditching equipments. This vehicle also used by engineer and ordnance parks to lift engines, etc.

Body Details—Steel, special engineer's type, tubular superstructure, tarpaulin, hinged sides, tool lockers. Two rear jacks to support body against down thrust. Equipment includes 3 demountable derrick legs maximum length 45 ft, winch driven from power take-off, 200 ft $\frac{1}{2}$ inch cable. Maximum lift 4500 lbs.

Performance

Bridge classification.....	(per MTP 74).....	8
Maximum gradability.....	(per cent).....	53
Turning circle (minimum).....	(ft).....	61
Angle of approach.....	(deg).....	65
Angle of departure.....	(deg).....	45
Fording depth.....	(ins).....	24
Fuel consumption (average).....	(mpg).....	7
Maximum speed.....	(mph).....	44

Engine Details

Manufacturer.....	Ford
Type.....	petrol, 4 cyc, 8 cys, V-8
Size.....	bore (ins) 3 $\frac{3}{16}$, stroke (ins) 3 $\frac{3}{4}$
Power.....	95 bhp at (rpm) 3600
Ignition.....	battery (volts) 6
Capacity...fuel (gals) 24, water (qts) 20, oil (qts) 4	

Tire Details

Treads.....	front (ins) 70 $\frac{1}{2}$, rear (ins) 69
Size.....	(ins) 10.50 x 20
Pressure.....	(see current instructions)

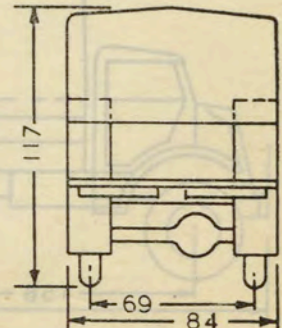
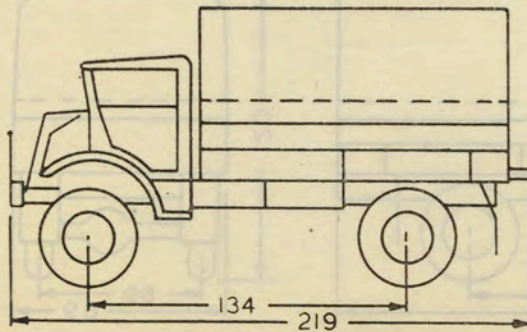
Weight and Dimensions

Curb weight (front axle).....	(lbs).....	5230
Curb weight (rear axle).....	(lbs).....	5670
Laden weight (front axle).....	(lbs).....	6200
Laden weight (rear axle).....	(lbs).....	9500
Ground clearance (minimum).....	(ins).....	11
Wheelbase (front to rear).....	(ins).....	134
Shipping space (deck area).....	(sq ft).....	130
Shipping space (standing).....	(cu ft).....	1200
Dimensions overall.....	(see drawing below)	

Publications Applying

Maintenance manual.....	MB-FI
Parts list.....	F60S-01
Waterproofing instrs (chassis).....	No. 44

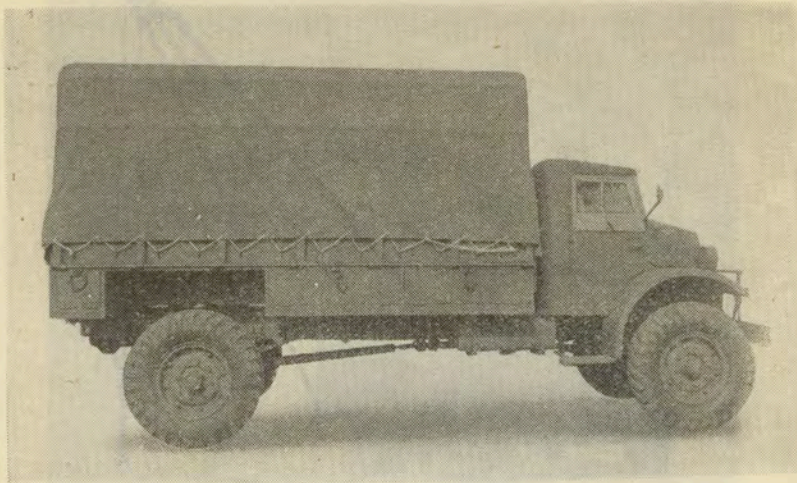
Additional Data



LORRY, 3-TON, DISINFECTOR

(3-ton, 4 x 4, 158 wb)

Manufacturer—General Motors.



Operational Role—Used by Hygiene Sections for steam sterilizing of blankets, uniforms and other clothing as received from units in the field.

Body Details—Hinged sides turn down to form working platforms and tarpaulin sides are extended upward on arms forming roof. Equipment includes 2 compartment sterilizer with internal steam generator. Sterilizer can be lowered to ground for static operation, by chain hoist on rear of body.

Performance

Bridge classification.....	(per MTP 74).....	5
Maximum gradability.....	(per cent).....	53
Turning circle (minimum).....	(ft).....	67
Angle of approach.....	(deg).....	65
Angle of departure.....	(deg).....	41
Fording depth.....	(ins).....	24
Fuel consumption (average).....	(mpg).....	8
Maximum speed.....	(mph).....	40

Engine Details

Manufacturer.....	General Motors	
Type.....	petrol, 4 cyc, 6 cyls in line	
Size.....	bore (ins) $3\frac{1}{2}$, stroke (ins) $3\frac{3}{4}$	
Power.....	85 bhp at (rpm) 3400	
Ignition.....	battery (volts) 6	
Capacity.....	fuel (gals) 25,	water (qts) 13, oil (qts) 5

Tire Details

Treads.....	front (ins) $68\frac{1}{2}$,	rear (ins) 69
Size.....	(ins) 10.50 x 20	
Pressure.....	(see current instructions)	

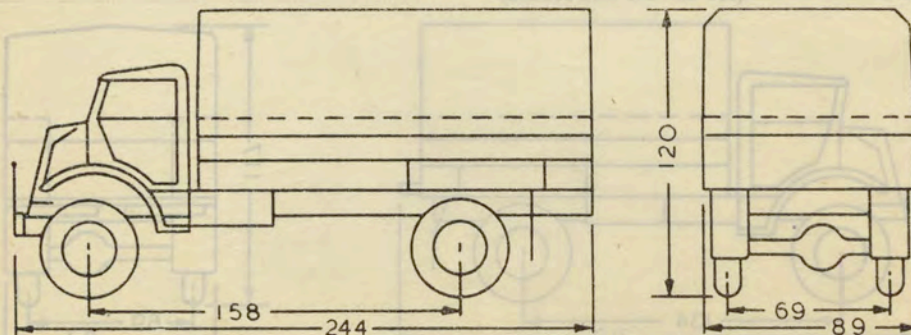
Weight and Dimensions

Curb weight (front axle).....	(lbs).....	4930
Curb weight (rear axle).....	(lbs).....	4510
Laden weight (front axle).....	(lbs).....	5050
Laden weight (rear axle).....	(lbs).....	6250
Ground clearance (minimum).....	(ins).....	11
Wheelbase (front to rear).....	(ins).....	158
Shipping space (deck area).....	(sq ft).....	160
Shipping space (standing).....	(cu ft).....	1600
Dimensions overall.....	(see drawing below)	

Publications Applying

Maintenance manual.....	MB-C2
Parts list.....	C6OL-02
Waterproofing instrs (chassis).....	No. 21

Additional Data

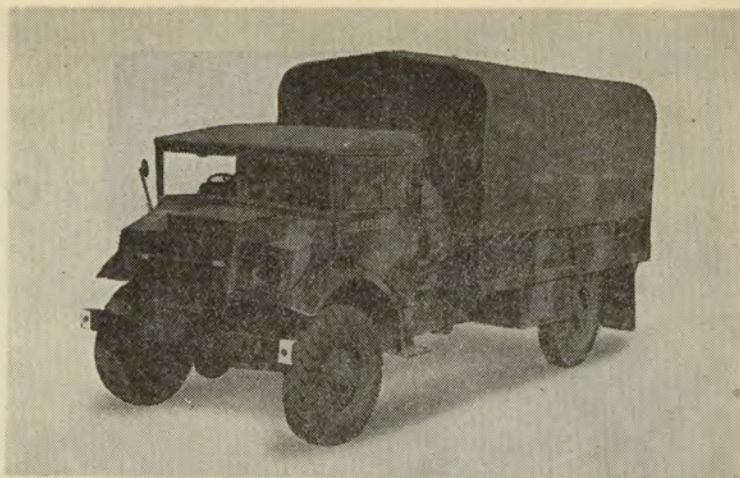


LORRY, 3-TON, GS

(3-ton, 4 x 4, 158 wb)

Manufacturer—Ford Motor Co.

Vehicle Code—F60L-GS.



Operational Role—Used generally by all arms and services as standard load carrier for all types of supplies and stores. Adaptable to special roles such as mobile kitchen, canteen, surgery, stores, etc, by means of removable kits. Often used to tow trailers.

Body Details—Steel, welded or composite, length 12 ft, hinged tail-gate. Later models have telescopic superstructure for low silhouette; removable for loads like coal, gravel, etc. Body fitments include rifle racks in cab, shovel and pick-axe carriers, POW carriers, tool boxes, pintle hook, tow loops.

Performance

Bridge classification.....	(per MTP 74).....	7
Maximum gradability.....	(per cent).....	49
Turning circle (minimum).....	(ft).....	72
Angle of approach.....	(deg).....	65
Angle of departure.....	(deg).....	45
Fording depth.....	(ins).....	24
Fuel consumption (average).....	(mpg).....	7
Maximum speed.....	(mph).....	50

Engine Details

Manufacturer.....	Ford
Type.....	petrol, 4 cyc, 8 cys, V-8
Size.....	bore (ins) 3 3/16, stroke (ins) 3 3/4
Power.....	.95 bhp at (rpm) 3600
Ignition.....	battery (volts) 6
Capacity...fuel (gals) 24, water (qts) 20, oil (qts) 4	

Tire Details

Treads.....	front (ins) 70 1/2, rear (ins) 69
Size.....	(ins) 10.50 x 20
Pressure.....	(see current instructions)

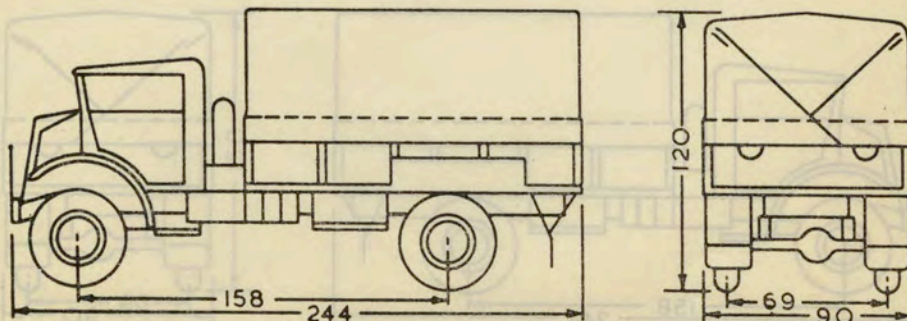
Weight and Dimensions

Curb weight (front axle).....	(lbs).....	4970
Curb weight (rear axle).....	(lbs).....	4730
Laden weight (front axle).....	(lbs).....	6270
Laden weight (rear axle).....	(lbs).....	10500
Ground clearance (minimum).....	(ins).....	11
Wheelbase (front to rear).....	(ins).....	158
Shipping space (deck area).....	(sq ft).....	160
Shipping space (standing).....	(cu ft).....	1600
Dimensions overall.....	(see drawing below)	

Publications Applying

Maintenance manual.....	MB-F1
Parts list.....	F60L-01
Waterproofing instrs (chassis).....	No. 44

Additional Data

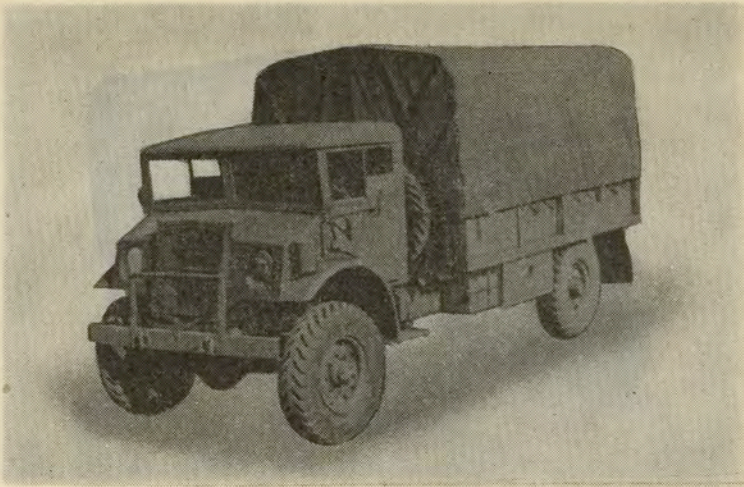


LORRY, 3-TON, GS

(3-ton, 4 x 4, 158 wb)

Manufacturer—General Motors.

Vehicle Code—C60L-GS.



Operational Role—Used generally by all arms and services as standard load carrier for all types of supplies and stores. Adaptable to special roles such as mobile kitchen, canteen, surgery, stores, etc, by means of removable kits. Often used to tow trailers.

Body Details—Steel, welded or composite, length 12 ft, hinged tail-gate. Later models have telescopic superstructure for low silhouette ; removable for loads like coal, gravel, etc. Body fitments include rifle racks in cab, shovel and pick-axe carriers, POW carriers, tool boxes, pintle hook, tow loops.

Performance

Bridge classification.....(per MTP 74).....	7
Maximum gradability.....(per cent).....	49
Turning circle (minimum).....(ft).....	75
Angle of approach.....(deg).....	65
Angle of departure.....(deg).....	45
Fording depth.....(ins).....	24
Fuel consumption (average).....(mpg).....	8
Maximum speed.....(mph).....	44

Engine Details

Manufacturer.....	General Motors
Type.....	petrol, 4 cyc, 6 cyls in line
Size.....	bore (ins) 3½, stroke (ins) 3½
Power.....	85 bhp at (rpm) 3400
Ignition.....	battery (volts) 6
Capacity...fuel (gals) 25, water (qts) 13, oil (qts) 5	

Tire Details

Treads.....	front (ins) 68½, rear (ins) 69
Size.....	(ins) 10.50 x 20
Pressure.....	(see current instructions)

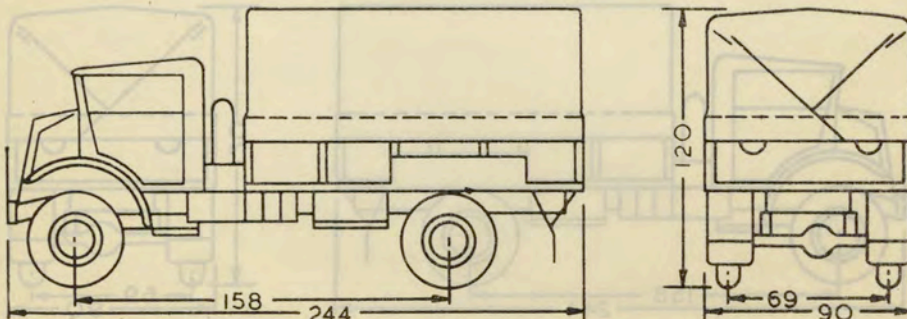
Weight and Dimensions

Curb weight (front axle).....(lbs).....	5100
Curb weight (rear axle).....(lbs).....	4740
Laden weight (front axle).....(lbs).....	5400
Laden weight (rear axle).....(lbs).....	10000
Ground clearance (minimum).....(ins).....	11
Wheelbase (front to rear).....(ins).....	158
Shipping space (deck area).....(sq ft).....	160
Shipping space (standing).....(cu ft).....	1600
Dimensions overall.....(see drawing below)	

Publications Applying

Maintenance manual.....	MB-C2
Parts list.....	C60L-02
Waterproofing instrs (chassis).....	No. 21

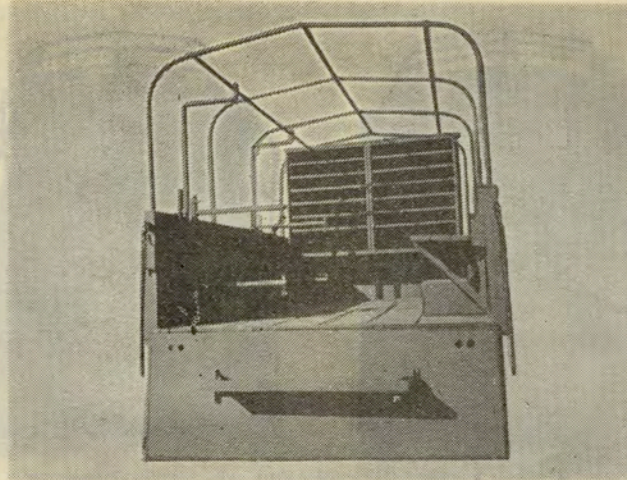
Additional Data



LORRY, 3-TON, GS MEDICAL

(3-ton, 4 x 4, 158 wb)

Manufacturer—General Motors.



Some lorries have the bench on near side and the stretcher frames on the offside

Operational Role—Used by RCAMC as “medical officer lorry” in which role it follows the unit and can serve as regimental aid post or small field dressing station in forward areas.

Body Details—Standard GS body, all steel, welded, superstructure, tarpaulin, hinged tail-gate. Equipment includes two spring supported stretchers on right hand side, bench for 4 sitting patients, steel bin for medical supplies in front, space for regimental medical pannier, special step on tail-gate.

Performance

Bridge classification.....(per MTP 74).....	5
Maximum gradability.....(per cent).....	53
Turning circle (minimum).....(ft).....	75
Angle of approach.....(deg).....	65
Angle of departure.....(deg).....	45
Fording depth.....(ins).....	24
Fuel consumption (average).....(mpg).....	8
Maximum speed.....(mph).....	44

Engine Details

Manufacturer.....	General Motors
Type.....	petrol, 4 cyc, 6 cyls in line
Size.....	bore (ins) 3½, stroke (ins) 3¾
Power.....	85 bhp at (rpm) 3400
Ignition.....	battery (volts) 6
Capacity...fuel (gals) 25, water (qts) 13, oil (qts) 5	

Tire Details

Treads.....	front (ins) 68½, rear (ins) 69
Size.....	(ins) 10.50 x 20
Pressure.....	(see current instructions)

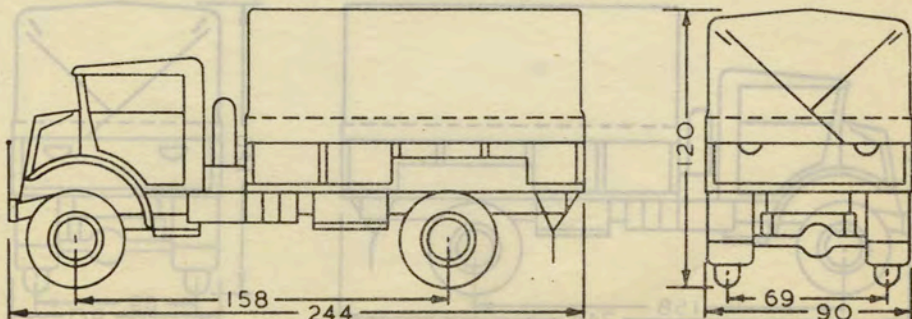
Weight and Dimensions

Curb weight (front axle).....(lbs).....	4930
Curb weight (rear axle).....(lbs).....	4510
Laden weight (front axle).....(lbs).....	5050
Laden weight (rear axle).....(lbs).....	6250
Ground clearance (minimum).....(ins).....	11
Wheelbase (front to rear).....(ins).....	158
Shipping space (deck area).....(sq ft).....	160
Shipping space (standing).....(cu ft).....	1600
Dimensions overall.....(see drawing below)	

Publications Applying

Maintenance manual.....	MB-C2
Parts list.....	C60L-02
Waterproofing instrs (chassis).....	No. 21

Additional Data

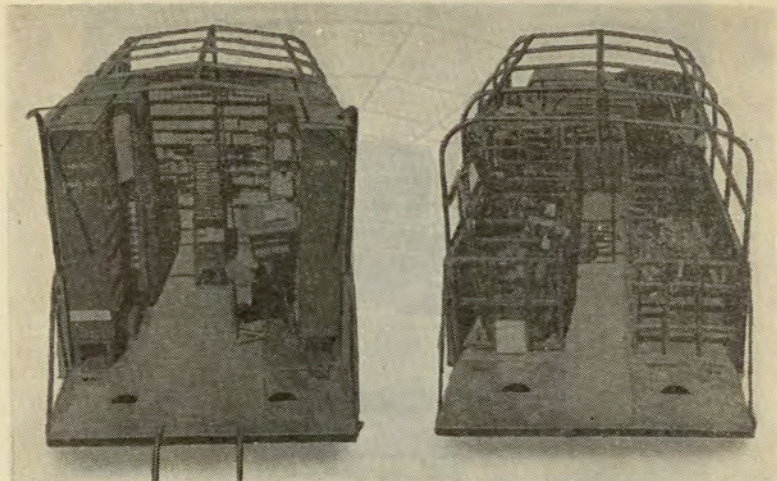


LORRY, 3-TON, GS STORES

(Binned, 3-ton, 4 x 4, 158 wb)

Manufacturer—General Motors, Ford Motor Co.

Vehicle Code—C60L-STOR.



Left, stores lorry with normal bins, Visidex, etc. Right, lorry fitted with racks for axle shafts, springs, mufflers, etc.

Operational Role—Used by RCE, SIGS, RCOC, RCEME for carriage in field of MT spare parts, armament stores, signals stores, etc, that can be placed on shelves and to carry pertinent records. (Heavy or 'ground' stores are carried in GS vehicles.)

Body Details—Steel, welded, length 12 ft, high superstructure with extensions to support tarpaulin as roof over opened tail-gate, wire screened throughout, doors at rear, non-skid floor. Fittings include desk, extension lights, Visidex, 6 shelved steel bins type Y for cartoned stores and 2 shelved steel bins type Z for non-cartoned stores.

Performance

Bridge classification.....	(per MTP 74).....	8
Maximum gradability.....	(per cent).....	53
Turning circle (minimum).....	(ft).....	67
Angle of approach.....	(deg).....	65
Angle of departure.....	(deg).....	45
Fording depth.....	(ins).....	24
Fuel consumption (average).....	(mpg).....	8
Maximum speed.....	(mph).....	44

Engine Details

Manufacturer.....	General Motors
Type.....	petrol, 4 cyc, 6 cyls in line
Size.....	bore (ins) 3½, stroke (ins) 3½
Power.....	.85 bhp at (rpm) 3400
Ignition.....	battery (volts) 6
Capacity...fuel (gals) 25, water (qts) 13, oil (qts) 5	

Tire Details

Treads.....	front (ins) 68½, rear (ins) 69
Size.....	(ins) 10.50 x 20
Pressure.....	(see current instructions)

Weight and Dimensions

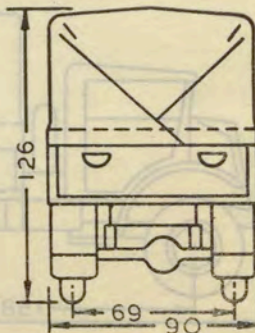
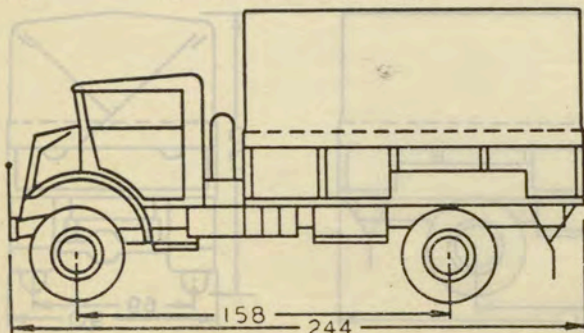
Curb weight (front axle).....	(lbs).....	6210
Curb weight (rear axle).....	(lbs).....	9430
Laden weight (front axle).....	(lbs).....	6330
Laden weight (rear axle).....	(lbs).....	9670
Ground clearance (minimum).....	(ins).....	11
Wheelbase (front to rear).....	(ins).....	158
Shipping space (deck area).....	(sq ft).....	160
Shipping space (standing).....	(cu ft).....	1600
Dimensions overall.....	(see drawing below)	

Publications Applying

Maintenance manual.....	MB-C2
Parts list.....	C60L-02
Waterproofing instrs (chassis).....	No. 21

Additional Data

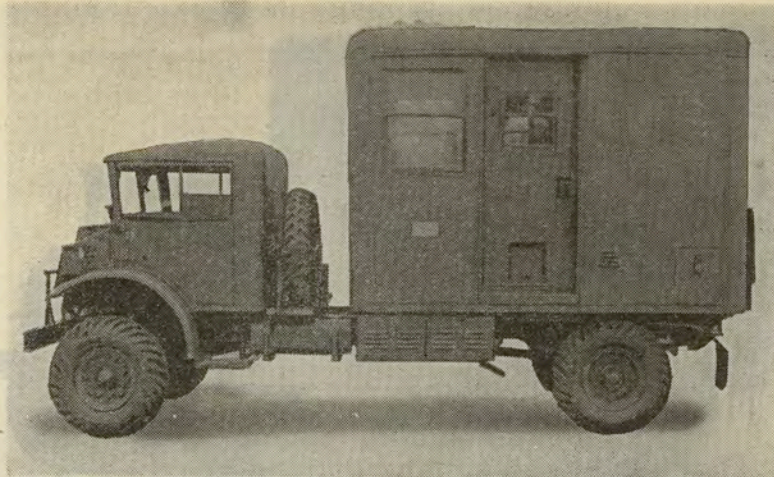
(Above covers General Motors, for Ford engine see page 73. Ford Waterproofing instrs No. 44.)



LORRY, 3-TON, INSTRUMENT REPAIR

(3-ton, 4 x 4, 158 wb)

Manufacturer—General Motors.



Levelling jacks are not shown in this photograph

Operational Role—Used by RCEME workshops for the repair of instruments such as watches, compasses, binoculars, telescopes, dial sights, range-finders, and other fire control instruments. Provides dust-proof work space and stable platform for testing when levelled by jacks.

Body Details—House type, length 10 ft, entrance by side door. Fitments include lockers, shelves, benches for special tools and equipment. Floor and benches linoleum covered. Levelling jacks at body corners. Equipment includes small battery charger (Johnson chorehorse) and watchmaker's lathe. Can be blacked out for night work.

Performance

Bridge classification.....	(per MTP 74).....	8
Maximum gradability.....	(per cent).....	53
Turning circle (minimum).....	(ft).....	67
Angle of approach.....	(deg).....	65
Angle of departure.....	(deg).....	45
Fording depth.....	(ins).....	24
Fuel consumption (average).....	(mpg).....	8
Maximum speed.....	(mph).....	44

Engine Details

Manufacturer.....	General Motors	
Type.....	petrol, 4 cyc, 6 cyls in line	
Size.....	bore (ins) $3\frac{1}{2}$, stroke (ins) $3\frac{3}{4}$	
Power.....	85 bhp at (rpm) 3400	
Ignition.....	battery (volts) 6	
Capacity...fuel (gals) 25, water (qts) 13, oil (qts) 5		

Tire Details

Treads.....	front (ins) $68\frac{1}{2}$, rear (ins) 69
Size.....	(ins) 10.50 x 20
Pressure.....	(see current instructions)

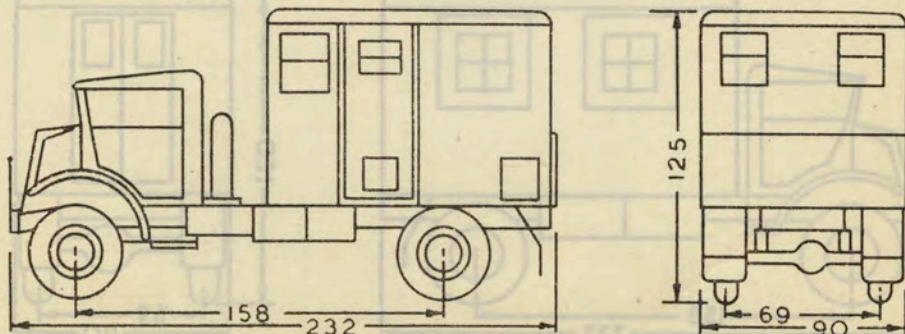
Weight and Dimensions

Curb weight (front axle).....	(lbs).....	5490
Curb weight (rear axle).....	(lbs).....	5850
Laden weight (front axle).....	(lbs).....	6280
Laden weight (rear axle).....	(lbs).....	7730
Ground clearance (minimum).....	(ins).....	11
Wheelbase (front to rear).....	(ins).....	158
Shipping space (deck area).....	(sq ft).....	150
Shipping space (standing).....	(cu ft).....	1500
Dimensions overall.....	(see drawing below)	

Publications Applying

Maintenance manual.....	MB-C2
Parts list.....	C60L-02
Waterproofing Instrs (chassis).....	No. 21

Additional Data

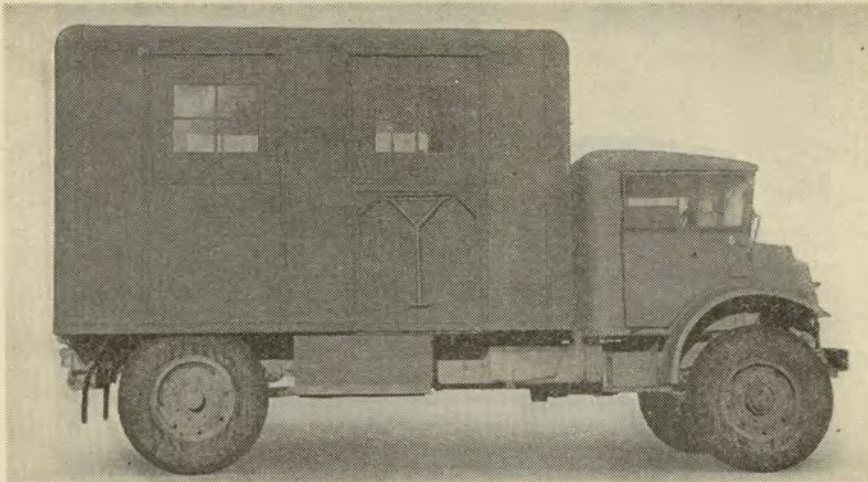


LORRY, 3-TON, MACHINERY "B", MARK II

(3-ton, 4 x 4, 158 wb)

Manufacturer—Ford Motor Co.

Vehicle Code—F60L-MACH-B-I-MK II.



Operational Role—Used by RCEME third echelon and advanced base workshops for milling machine work, also drilling and grinding as required for repair of equipment in the field.

Body Details—House type, steel, length 12 ft, entrance by rear doors, one drop side. Equipment includes universal horizontal milling machine, heavy duty portable drill with bench stand, bench tool grinder, accessories, hand tools and distribution panel. Power and light by interconnection with generator trailer.

Performance

Bridge classification.....	(per MTP 74)	7
Maximum gradability.....	(per cent)	49
Turning circle (minimum).....	(ft)	72
Angle of approach.....	(deg)	65
Angle of departure.....	(deg)	45
Fording depth.....	(ins)	24
Fuel consumption (average).....	(mpg)	7
Maximum speed.....	(mph)	44

Engine Details

Manufacturer.....	Ford
Type.....	petrol, 4 cyc, 8 cyls, V-8
Size.....	bore (ins) 3 3/16, stroke (ins) 3 3/4
Power.....	95 bhp at (rpm) 3600
Ignition.....	battery (volts) 6
Capacity...fuel (gals) 24, water (qts) 20, oil (qts) 4	

Tire Details

Treads.....	front (ins) 70 1/2, rear (ins) 69
Size.....	(ins) 10.50 x 20
Pressure.....	(see current instructions)

Weight and Dimensions

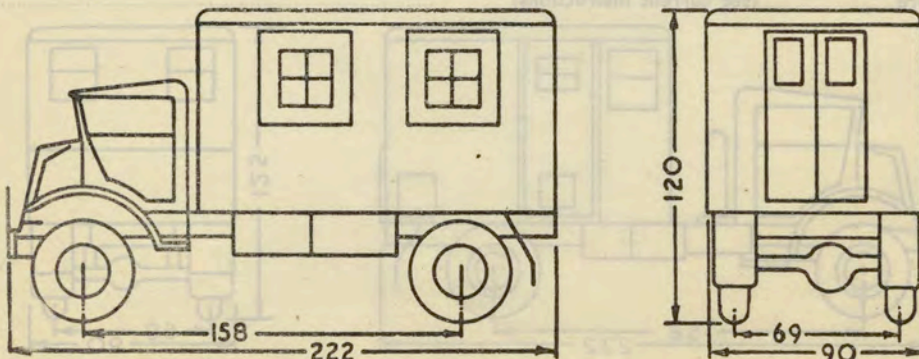
Curb weight (front axle).....	(lbs)	6120
Curb weight (rear axle).....	(lbs)	9270
Laden weight (front axle).....	(lbs)	6320
Laden weight (rear axle).....	(lbs)	9370
Ground clearance (minimum).....	(ins)	11
Wheelbase (front to rear).....	(ins)	158
Shipping space (deck area).....	(sq ft)	150
Shipping space (standing).....	(cu ft)	1500
Dimensions overall.....	(see drawing below)	

Publications Applying

Maintenance manual.....	WM-3984, MB-FI
Parts list.....	F60L-01
Waterproofing instrs (chassis).....	No. 44

Additional Data

(Above vehicle is latest design having greater manoeuvrability than 3-ton, 6-wh type.)

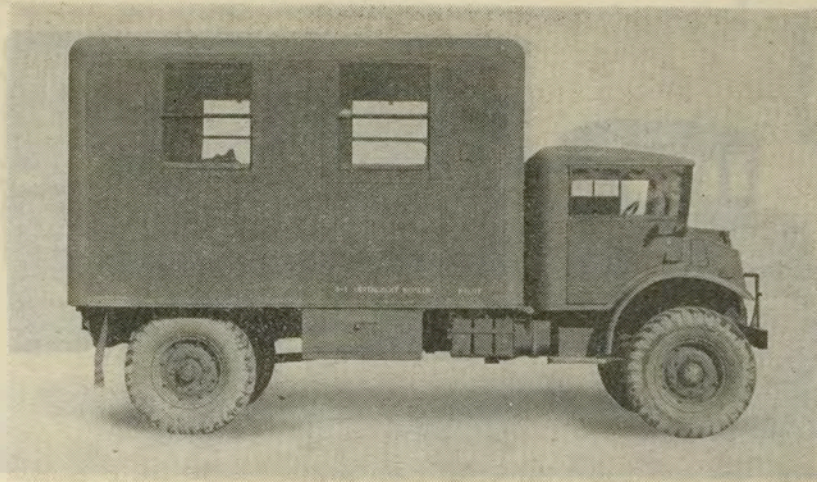


LORRY, 3-TON, MACHINERY "D-1"

(3-ton, 4 x 4, 158 wb)

Manufacturer—General Motors.

Vehicle Code—C60L-M-MACH-DI.



Operational Role—Used by RCEME workshops for metal working operations required in the repair of instruments in the field.

Body Details—House type, steel, length 12 ft, entrance by rear doors, ventilating windows. Equipment includes precision lathe, watchmaker's lathe, drill press, benches, vices, hand tools. Power supply for machine tools secured by interconnection with generator trailer.

Performance

Bridge classification.....(per MTP 74).....	6
Maximum gradability.....(per cent).....	53
Turning circle (minimum).....(ft).....	67
Angle of approach.....(deg).....	65
Angle of departure.....(deg).....	45
Fording depth.....(ins).....	24
Fuel consumption (average).....(mpg).....	8
Maximum speed.....(mph).....	43

Engine Details

Manufacturer.....	General Motors
Type.....	petrol, 4 cyc, 6 cyls in line
Size.....	bore (ins) $3\frac{1}{2}$, stroke (ins) $3\frac{3}{4}$
Power.....	85 bhp at (rpm) 3400
Ignition.....	battery (volts) 6
Capacity.....	fuel (gals) 25, water (qts) 13, oil (qts) 5

Tire Details

Treads.....	front (ins) $68\frac{1}{2}$, rear (ins) 69
Size.....	(ins) 10.50 x 20
Pressure.....	(see current instructions)

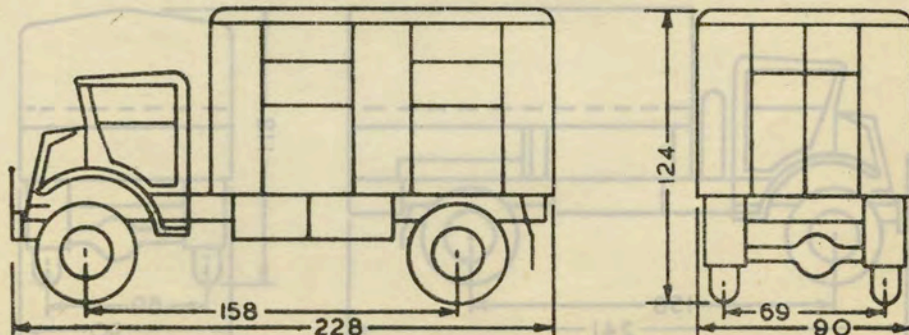
Weight and Dimensions

Curb weight (front axle).....(lbs).....	5740
Curb weight (rear axle).....(lbs).....	7040
Laden weight (front axle).....(lbs).....	6000
Laden weight (rear axle).....(lbs).....	7500
Ground clearance (minimum).....(ins).....	11
Wheelbase (front to rear).....(ins).....	158
Shipping space (deck area).....(sq ft).....	150
Shipping space (standing).....(cu ft).....	1500
Dimensions overall.....	(see drawing below)

Publications Applying

Maintenance manual.....	WM-3854, MB-C2
Parts list.....	C60L-02
Waterproofing instrs (chassis).....	No. 21

Additional Data



LORRY, 3-TON, MACHINERY "1"

(3-ton, 4 x 4, 158 wb)

Manufacturer—General Motors

Vehicle Code—C60L-M-MACH-I.

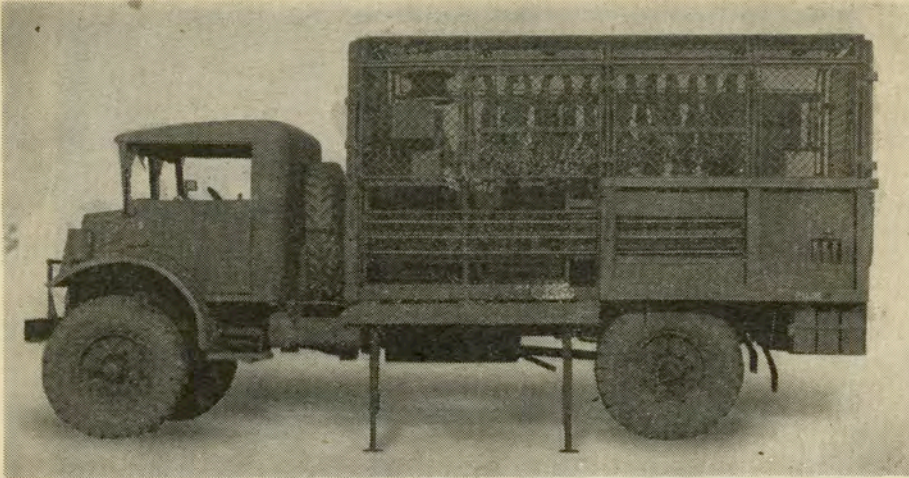


Photo shows tarpaulin removed and drop side lowered

Operational Role—Used by RCEME workshops in the field for charging 6-volt and 12-volt storage batteries by constant potential and modified constant potential method. Can handle 100 of 6-volt and 50 of 12-volt simultaneously.

Body Details—12 ft GS body; tubular superstructure, screening, tarpaulin, blackout curtain. Equipment includes CP battery charging generator driven by petrol engine also bus-bars, cable connectors, acid and water containers.

Performance

Bridge classification.....	(per MTP 74).....	7
Maximum gradability.....	(per cent).....	53
Turning circle (minimum).....	(ft).....	67
Angle of approach.....	(deg).....	65
Angle of departure.....	(deg).....	45
Fording depth.....	(ins).....	24
Fuel consumption (average).....	(mpg).....	8
Maximum speed.....	(mph).....	40

Engine Details

Manufacturer.....	General Motors
Type.....	petrol, 4 cys, 6 cys in line
Size.....	bore (ins) $3\frac{1}{2}$, stroke (ins) $3\frac{3}{4}$
Power.....	.85 bhp at (rpm) 3400
Ignition.....	battery (volts) 6
Capacity...fuel (gals) 25, water (qts) 13, oil (qts) 5	

Tire Details

Treads.....	front (ins) $68\frac{1}{2}$, rear (ins) 69
Size.....	(ins) 10.50 x 20
Pressure.....	(see current instructions)

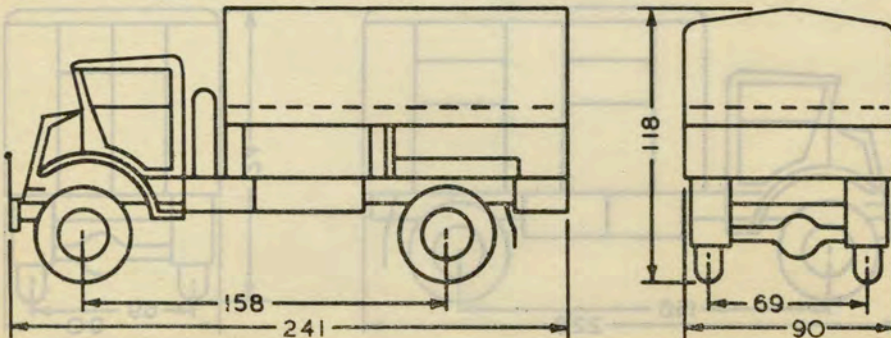
Weight and Dimensions

Curb weight (front axle).....	(lbs).....	5400
Curb weight (rear axle).....	(lbs).....	9450
Laden weight (front axle).....	(lbs).....	5750
Laden weight (rear axle).....	(lbs).....	9550
Ground clearance (minimum).....	(ins).....	11
Wheelbase (front to rear).....	(ins).....	158
Shipping space (deck area).....	(sq ft).....	160
Shipping space (standing).....	(cu ft).....	1500
Dimensions overall.....	(see drawing below)	

Publications Applying

Maintenance manual.....	WM-3842, MB-C2
Parts list.....	C60L-02
Waterproofing instrs (chassis).....	No. 21

Additional Data

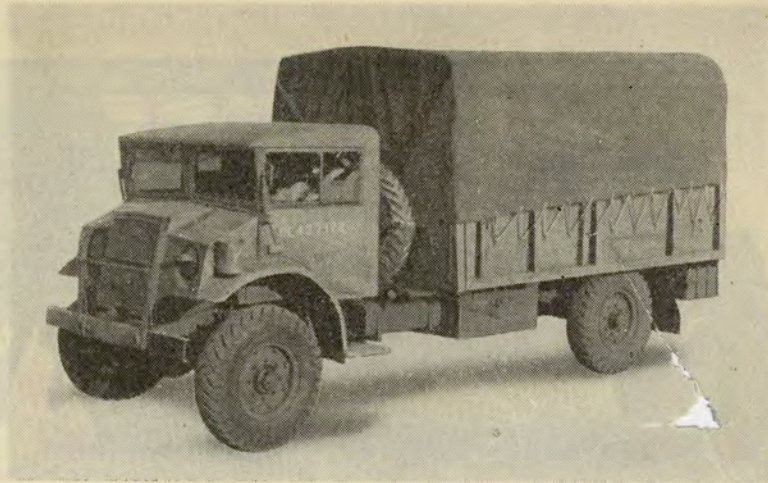


LORRY, 3-TON, MACHINERY "I-30"

(3-ton, 4 x 4, 158 wb)

Manufacturer—General Motors.

Vehicle Code—C60L-M-MACH-130.



Drop side, fwd end, (lead covered inside), can be lowered and used as working platform

Operational Role—Used by RCEME in HAA workshops as CP battery charging vehicle. Its 30 volt generator will charge 24 volt batteries, used in No. 1 predictor and No. 11 machine fuse setter, as well as 12 and 6 volt batteries common to vehicles. Can handle 50 of 12-volt and 25 of 24-volt simultaneously.

Body Details—12 ft GS body, superstructure, wire mesh screening, tarpaulin, blackout curtain. Equipment includes CP battery charging generator, petrol engine driven, also bus-bars, cable connectors, acid and water containers. Penthouse provides outside working space (poles stowed under body).

Performance

Bridge classification.....	(per MTP 74).....	7
Maximum gradability.....	(per cent).....	53
Turning circle (minimum).....	(ft).....	67
Angle of approach.....	(deg).....	65
Angle of departure.....	(deg).....	45
Fording depth.....	(ins).....	24
Fuel consumption (average).....	(mpg).....	8
Maximum speed.....	(mph).....	44

Engine Details

Manufacturer.....	General Motors
Type.....	petrol, 4 cyc, 6 cyls in line
Size.....	bore (ins) 3½, stroke (ins) 3½
Power.....	85 bhp at (rpm) 3400
Ignition.....	battery (volts) 6
Capacity... fuel (gals) 25, water (qts) 13, oil (qts) 5	

Tire Details

Treads.....	front (ins) 68½, rear (ins) 69
Size.....	(ins) 10.50 x 20
Pressure.....	(see current instructions)

Weight and Dimensions

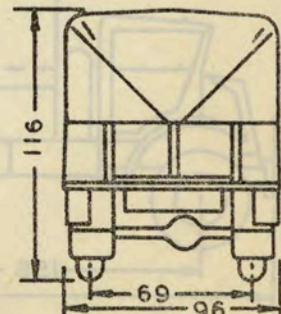
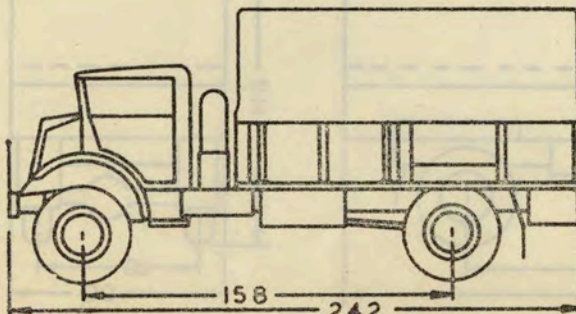
Curb weight (front axle).....	(lbs).....	5400
Curb weight (rear axle).....	(lbs).....	9450
Laden weight (front axle).....	(lbs).....	5750
Laden weight (rear axle).....	(lbs).....	9550
Ground clearance (minimum).....	(ins).....	11
Wheelbase (front to rear).....	(ins).....	158
Shipping space (deck area).....	(sq ft).....	160
Shipping space (standing).....	(cu ft).....	1600
Dimensions overall.....	(see drawing below)	

Publications Applying

Maintenance manual.....	MB-C2
Parts list.....	C60L-02
Waterproofing instrs (chassis).....	No. 21

Additional Data

(To distinguish between "I-30" and type "I"—double scale voltmeter in control cubicle has range 0-20 and 0-40 in "I-30" lorry. It has range 0-10 and 0-20 in type "I" lorry.)



LORRY, 3-TON, MACHINERY "J"

(3-ton, 4 x 4, 158 wb)

Manufacturer—General Motors.

Vehicle Code—C60L-M-MACH-J.

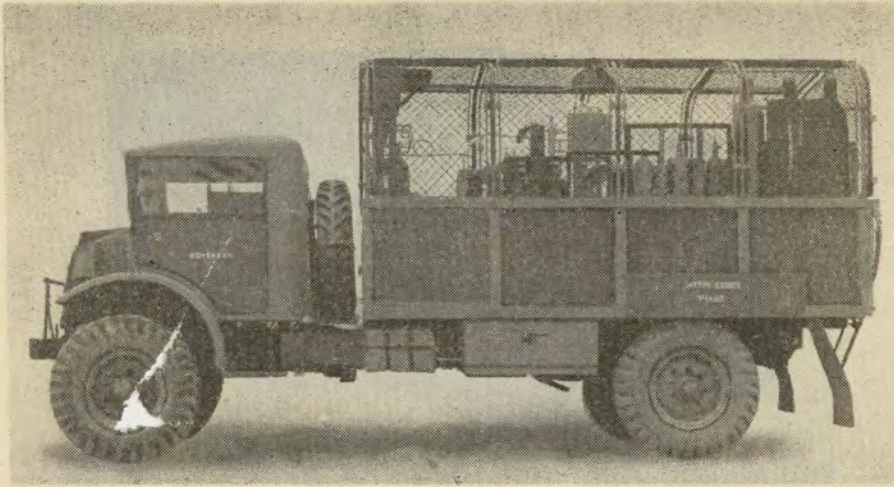


Photo shows tarpaulin removed from superstructure

Operational Role—Used in the field by RCEME workshops for filling "dry air bottles" which carry compressed air at 1800 pounds per square inch required for charging artillery recuperators.

Body Details—12 ft all steel body, tubular superstructure, screening, tarpaulin. Equipment includes 3-stage compressor, petrol engine driving same, compressed air cylinders, adapters, gauges and accessories.

Performance

Bridge classification.....(per MTP 74).....	6
Maximum gradability.....(per cent).....	53
Turning circle (minimum).....(ft).....	67
Angle of approach.....(deg).....	65
Angle of departure.....(deg).....	45
Fording depth.....(ins).....	24
Fuel consumption (average).....(mpg).....	8
Maximum speed.....(mph).....	43

Engine Details

Manufacturer.....	General Motors
Type.....	petrol, 4 cyc, 6 cyls in line
Size.....	bore (ins) 3½, stroke (ins) 3½
Power.....	85 bhp at (rpm) 3400
Ignition.....	battery (volts) 6
Capacity...fuel (gals) 25, water (qts) 13, oil (qts) 5	

Tire Details

Treads.....	front (ins) 68½ rear (ins) 69
Size.....	(ins) 10.50 x 20
Pressure.....	(see current instructions)

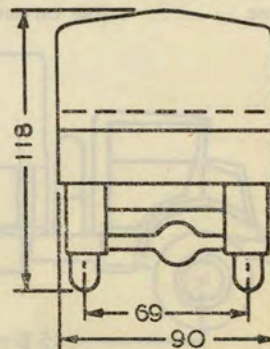
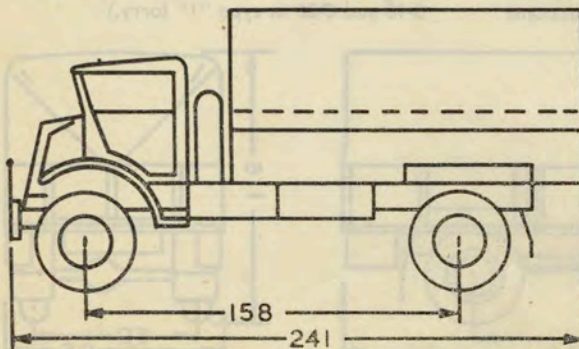
Weight and Dimensions

Curb weight (front axle).....(lbs).....	5640
Curb weight (rear axle).....(lbs).....	8650
Laden weight (front axle).....(lbs).....	5840
Laden weight (rear axle).....(lbs).....	8900
Ground clearance (minimum).....(ins).....	11
Wheelbase (front to rear).....(ins).....	158
Shipping space (deck area).....(sq ft).....	150
Shipping space (standing).....(cu ft).....	1500
Dimensions overall.....(see drawing below)	

Publications Applying

Maintenance manual.....	WM-3815, MB-C2
Parts list.....	C60L-02
Waterproofing instrs (chassis).....	No. 21

Additional Data



LORRY, 3-TON, MACHINERY "M", MK II

(3-ton, 4 x 4, 158 wb)

Manufacturer—Ford Motor Co.

Vehicle Code—F60L-MACH-M-I-Mk II.

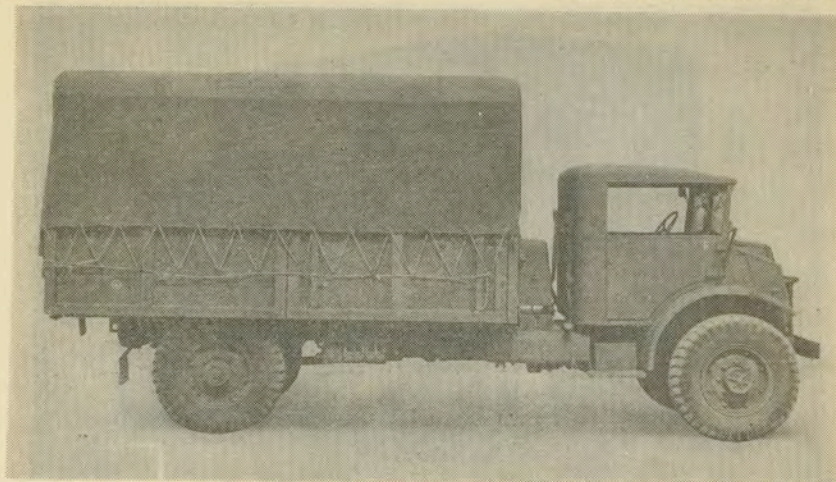


Photo shows spare tire removed from carrier between cab and body

Operational Role—Used by RCEME and by RCASC workshops for general MT service including the mechanical repair of automotive components, necessary metal turning, drilling and grinding, also battery charging and paint spraying.

Body Details—GS type, steel, length 12 ft, drop sides for work benches, superstructure, tarpaulin, 2 penthouses, rear entrance by step-ladder. Eqpt includes 7½-kw dc generator driven by pto, lathe, drill, grinder, valve refacer, valve grinder, paint-sprayer, spark-plug cleaner, resistance type battery-charger, vices, hand tools.

Performance

Bridge classification.....	(per MTP 74).....	8
Maximum gradability.....	(per cent).....	49
Turning circle (minimum).....	(ft).....	72
Angle of approach.....	(deg).....	65
Angle of departure.....	(deg).....	45
Fording depth.....	(ins).....	24
Fuel consumption (average).....	(mpg).....	7
Maximum speed.....	(mph).....	45

Engine Details

Manufacturer.....	Ford
Type.....	petrol, 4 cyc, 8 cyls, V-8
Size.....	bore (ins) 3 3/16, stroke (ins) 3 3/4
Power.....	95 bhp at (rpm) 3600
Ignition.....	battery (volts) 6
Capacity.....	fuel (gals) 24, water (qts) 20, oil (qts) 4

Tire Details

Treads.....	front (ins) 70½, rear (ins) 69
Size.....	(ins) 10.50 x 20
Pressure.....	(see current instructions)

Weight and Dimensions

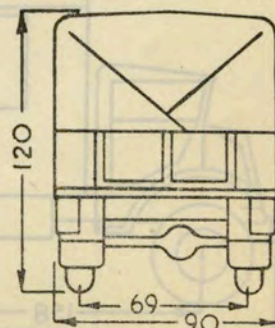
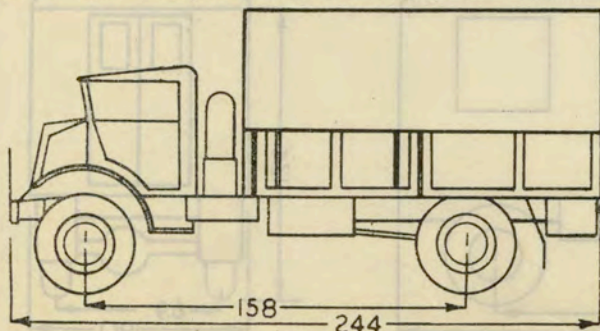
Curb weight (front axle).....	(lbs).....	6400
Curb weight (rear axle).....	(lbs).....	9100
Laden weight (front axle).....	(lbs).....	6600
Laden weight (rear axle).....	(lbs).....	9400
Ground clearance (minimum).....	(ins).....	11
Wheelbase (front to rear).....	(ins).....	158
Shipping space (deck area).....	(sq ft).....	160
Shipping space (standing).....	(cu ft).....	1600
Dimensions overall.....	(see drawing below)	

Publications Applying

Maintenance manual.....	WM-4060, MB-F1
Parts list.....	F60L-01
Waterproofing instrs (chassis).....	No. 44

Additional Data

(Above vehicle is latest design having greater manoeuvrability and less conspicuous silhouette than 4-ton 6-wh type.)



LORRY, 3-TON, MACHINERY "Z", MK II

(3-ton, 4 x 4, 158 wb)

Manufacturer—Ford Motor Co.

Vehicle Code—F60L-MACH-Z-I-Mk II.

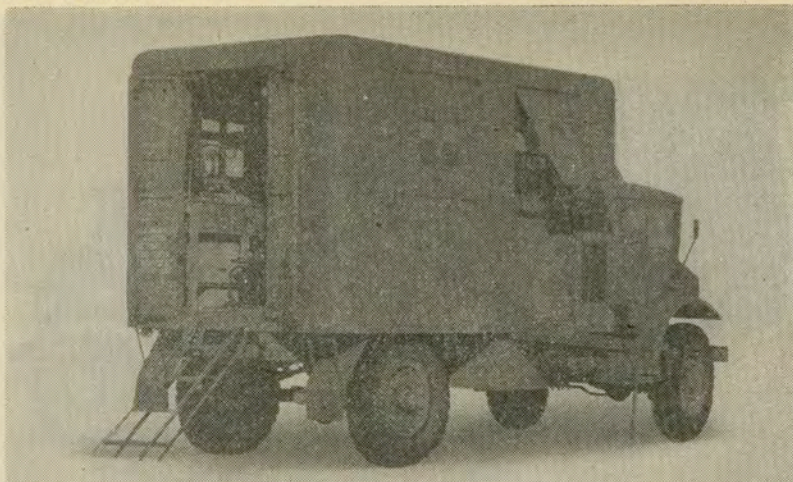


Photo shows vehicle set up for operation with work-bench lowered, doors and windows open

Operational Role—Used by RCME for testing, maintaining and repairing wireless eqpt. Also issued without test eqpt to RC Sigs for maintenance work. Contains generator, instruments, "D" list tools.

Body Details—House type, steel, length 12 ft, entrance by rear door, one drop side for work bench. Eqpt includes interference screening, 2000 watt 60 cyc Onan generator, ventilating fan, secondary batteries, transformer, wavemeter, bridge, signal generator, valve test set, oscilloscope, control panel, test panels, hand tools, etc.

Performance

Bridge classification.....	(per MTP 74).....	7
Maximum gradability.....	(per cent).....	49
Turning circle (minimum).....	(ft).....	72
Angle of approach.....	(deg).....	65
Angle of departure.....	(deg).....	45
Fording depth.....	(ins).....	24
Fuel consumption (average).....	(mpg).....	7
Maximum speed.....	(mph).....	45

Engine Details

Manufacturer.....	Ford
Type.....	petrol, 4 cyc, 8 cyls, V-8
Size.....	bore (ins) 3 3/16, stroke (ins) 3 3/4
Power.....	95 bhp at (rpm) 3600
Ignition.....	battery (volts) 6
Capacity.....	fuel (gals) 24, water (qts) 20, oil (qts) 4

Tire Details

Treads.....	front (ins) 70 1/2, rear (ins) 69
Size.....	(ins) 10.50 x 20
Pressure.....	(see current instructions)

Weight and Dimensions

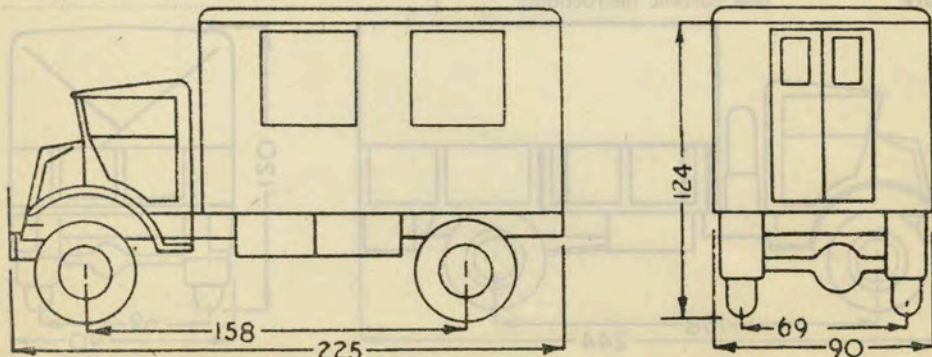
Curb weight (front axle).....	(lbs).....	5900
Curb weight (rear axle).....	(lbs).....	6500
Laden weight (front axle).....	(lbs).....	6120
Laden weight (rear axle).....	(lbs).....	6800
Ground clearance (minimum).....	(ins).....	11
Wheelbase (front to rear).....	(ins).....	158
Shipping space (deck area).....	(sq ft).....	150
Shipping space (standing).....	(cu ft).....	1500
Dimensions overall.....	(see drawing below)	

Publications Applying

Maintenance manual.....	WM-3860, MB-FI
Parts list.....	F60L-01
Waterproofing instrs (chassis).....	No. 44

Additional Data

(Above vehicle is latest design having greater manoeuvrability than 3-ton, 6-wh type.)



MOBILE KITCHEN LORRY, 3-TON, MOBILE KITCHEN

(3-ton, 4 x 4, 158 wb)

Manufacturer—General Motors, Ford Motor Co.

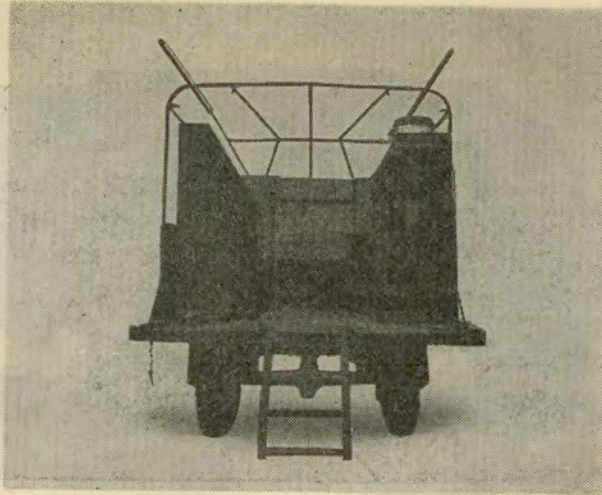


Photo shows telescopic extensions of superstructure ribs to support tarpaulin as tail-gate roof

Operational Role—Used by CAC units and motor battalions as mobile kitchen for cooking meals while the unit is on the move thereby providing hot rations when vehicles come into harbour.

Body Details—Standard GS body with interior modifications consisting of cabinet with lockers and drawers, rack for insulated food containers, meat and vegetable stowage, 25 gal water tank, sink, work table. Tail-gate used as working platform. Field cooker installed at rear of body will heat 5 containers.

Performance

Bridge classification.....(per MTP 74).....	6
Maximum gradability.....(per cent).....	53
Turning circle (minimum).....(ft).....	57
Angle of approach.....(deg).....	65
Angle of departure.....(deg).....	45
Fording depth.....(ins).....	24
Fuel consumption (average).....(mpg).....	8
Maximum speed.....(mph).....	44

Engine Details

Manufacturer.....	General Motors
Type.....	petrol, 4 cyc, 6 cyls in line
Size.....	bore (ins) 3½, stroke (ins) 3¾
Power.....	85 bhp at (rpm) 3400
Ignition.....	battery (volts) 6
Capacity...fuel (gals) 25, water (qts) 13, oil (qts) 5	

Tire Details

Treads.....	front (ins) 68½, rear (ins) 69
Size.....	(ins) 10.50 x 20
Pressure.....	(see current instructions)

Weight and Dimensions

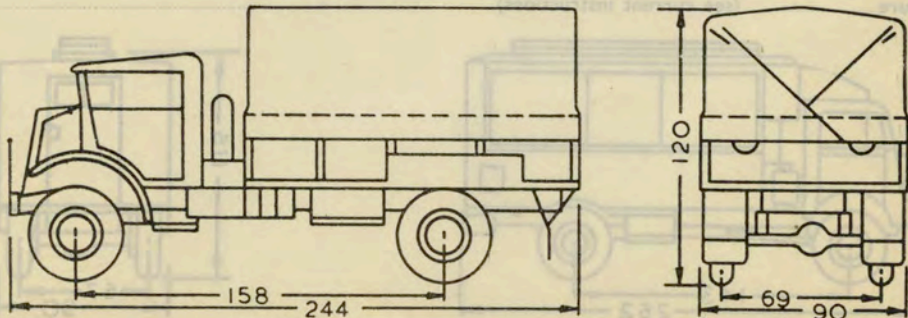
Curb weight (front axle).....(lbs).....	4900
Curb weight (rear axle).....(lbs).....	4600
Laden weight (front axle).....(lbs).....	6400
Laden weight (rear axle).....(lbs).....	9800
Ground clearance (minimum).....(ins).....	11
Wheelbase (front to rear).....(ins).....	158
Shipping space (deck area).....(sq ft).....	160
Shipping space (standing).....(cu ft).....	1500
Dimensions overall.....(see drawing below)	

Publications Applying

Maintenance manual.....	MB-C2
Parts list.....	C60L-02
Waterproofing instrs (chassis).....	No. 21

Additional Data

(Above covers General Motors. For Ford engine details see page 73. Ford Waterproofing instrs No. 44.)



LORRY, 3-TON, MOBILE OPERATIONS ROOM

(3-ton, 4 x 4, 143 wb)

Manufacturer—Vauxhall Motors Ltd.

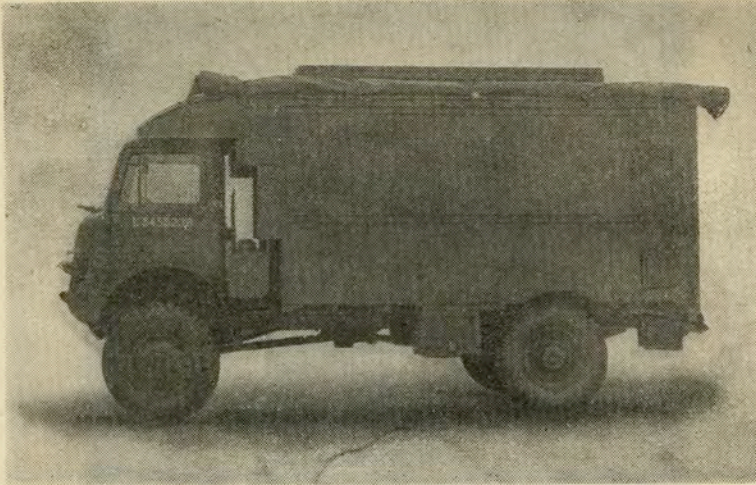


Photo shows body flap closed, penthouses and duckboards on roof

Operational Role—Used by RCA HAA regiment of Army troops as mobile control room for all guns in Gun Defence Area. Data re enemy aircraft received from gun control centre, RAF, flanking LW (V)'s, etc., is co-ordinated and passed out to gun sites primarily by WT, secondarily, by multiphone.

Body Details—House type, steel, length 13 ft, rear and offside doors. Adjacent penthouse, accessible from rear side body flap, houses all operational boards. Equipment includes R109 radio receiver, No. 36 set, two 10 line UC switchboards, two 40 line multiphones 2 way to gun sites, two plotting tables, two 2.5-kva Onan generators, amplifying case, coil and condenser, Sigs batteries, type F phones, etc.

Performance

Bridge classification.....(per MTP 74).....	6
Maximum gradability.....(per cent).....	53
Turning circle (minimum).....(ft).....	55
Angle of approach.....(deg).....	65
Angle of departure.....(deg).....	45
Fording depth.....(ins).....	24
Fuel consumption (average).....(mpg).....	8
Maximum speed.....(mph).....	38

Engine Details

Manufacturer.....	Vauxhall
Type.....	petrol, 4 cyc, 6 cyls in line
Size.....	bore (ins) 3 $\frac{3}{8}$, stroke (ins) 4
Power.....	72 bhp at (rpm) 3000
Ignition.....	battery (volts) 12
Capacity.....	fuel (gals) 28, water (qts) 14, oil (qts) 5

Tire Details

Treads.....	front (ins) 68, rear (ins) 66 $\frac{1}{2}$
Size.....	(ins) 10.50 x 20
Pressure.....	(see current instructions)

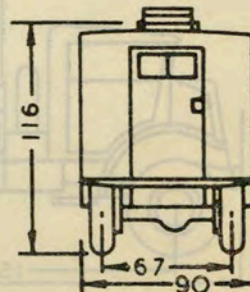
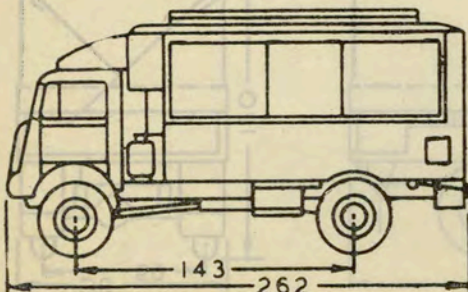
Weight and Dimensions

Curb weight (front axle).....(lbs).....	6500
Curb weight (rear axle).....(lbs).....	7000
Laden weight (front axle).....(lbs).....	6780
Laden weight (rear axle).....(lbs).....	7560
Ground clearance (minimum).....(ins).....	12
Wheelbase (front to rear).....(ins).....	143
Shipping space (deck area).....(sq ft).....	190
Shipping space (standing).....(cu ft).....	1800
Dimensions overall.....(see drawing below)	

Publications Applying

Maintenance manual.....	WD3/TS 138
Parts list.....	VAOS LV7/LD
Waterproofing instrs (chassis).....	AC-61

Additional Data

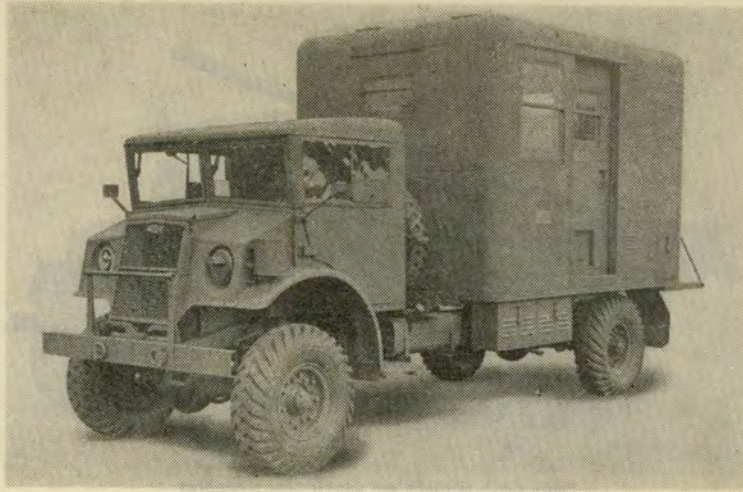


LORRY, 3-TON, OFFICE

(House type, 3-ton, 4 x 4, 158 wb)

Manufacturer—General Motors.

Vehicle Code—C60L-M-OFF.



Operational Role—Used as field office by certain units or formations and has space for clerks, typewriters, filing cabinets. House type shown is being replaced by GS type with tarpaulin and superstructure.

Body Details—Steel, house type, side door, electric fan, ventilators, communication bellows to driver. Equipment includes 4 seats for clerks, 2 typewriters, file cabinet, 2 tables, interior lighting, chorehorse to charge batteries.

Performance

Bridge classification.....	(per MTP 74).....	7
Maximum gradability.....	(per cent).....	53
Turning circle (minimum).....	(ft).....	67
Angle of approach.....	(deg).....	65
Angle of departure.....	(deg).....	45
Fording depth.....	(ins).....	24
Fuel consumption (average).....	(mpg).....	8
Maximum speed.....	(mph).....	40

Engine Details

Manufacturer.....	General Motors
Type.....	petrol, 4 cyc, 6 cyls in line
Size.....	bore (ins) $3\frac{1}{2}$, stroke (ins) $3\frac{3}{4}$
Power.....	85 bhp at (rpm) 3400
Ignition.....	battery (volts) 6
Capacity.....	fuel (gals) 25, water (qts) 13, oil (qts) 5

Tire Details

Treads.....	front (ins) $68\frac{1}{2}$, rear (ins) 69
Size.....	(ins) 10.50 x 20
Pressure.....	(see current instructions)

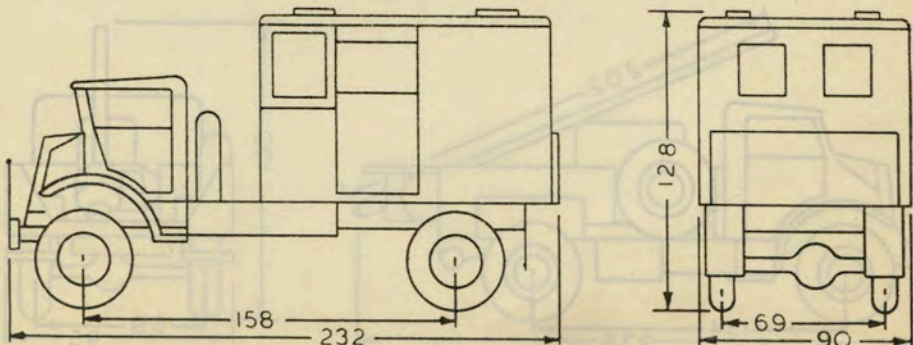
Weight and Dimensions

Curb weight (front axle).....	(lbs).....	5490
Curb weight (rear axle).....	(lbs).....	5850
Laden weight (front axle).....	(lbs).....	6270
Laden weight (rear axle).....	(lbs).....	7730
Ground clearance (minimum).....	(ins).....	11
Wheelbase (front to rear).....	(ins).....	158
Shipping space (deck area).....	(sq ft).....	150
Shipping space (standing).....	(cu ft).....	1500
Dimensions overall.....	(see drawing below)	

Publications Applying

Maintenance manual.....	MB-C2
Parts list.....	C60L-O2
Waterproofing instrs (chassis).....	No. 21

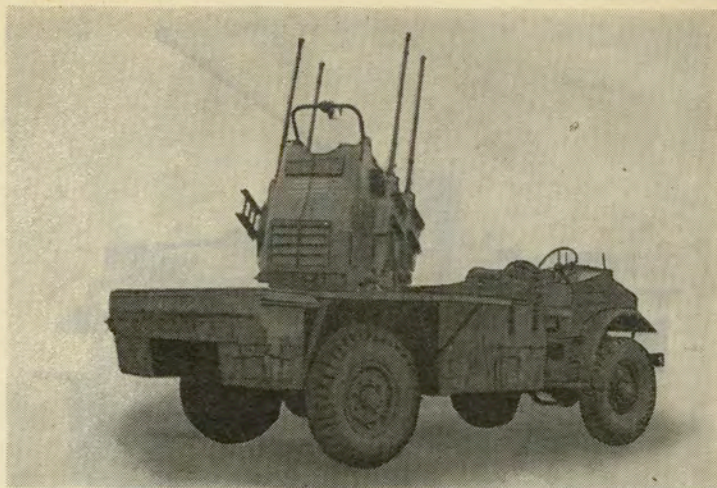
Additional Data



LORRY, 3-TON, 20-MM QUAD, SELF-PROPELLED

(3-ton, 4 x 4, 134 wb)

Manufacturer—Ford Motor Co.



Operational Role—Primarily designed as mobile AA defence weapon but can be quickly brought into action against ground targets. Being used in UK by RCA against pilotless aircraft and as ADGB.

Body Details—Special design to make good platform for gun mount. Gun mounting of bullet proof plate encloses operator and vulnerable parts. Traversed and guns elevated by hydraulic control powered by petrol engine. Body seats 5. Reinforced chassis has ammunition lockers. Carries 4 Polsten 20-mm guns.

Performance

Bridge classification.....(per MTP 74).....	8
Maximum gradability.....(per cent).....	57
Turning circle (minimum).....(ft).....	61
Angle of approach.....(deg).....	65
Angle of departure.....(deg).....	45
Fording depth.....(ins).....	24
Fuel consumption (average).....(mpg).....	7
Maximum speed.....(mph).....	44

Engine Details

Manufacturer.....	Ford
Type.....	petrol, 4 cyc, 8 cyls, V-8
Size.....bore (ins) 3 3/16 stroke, (ins) 3 3/4	
Power.....	95 bhp at (rpm) 3600
Ignition.....	battery (volts) 6
Capacity.....fuel (gals) 25, water (qts) 20, oil (qts) 4	

Tire Details

Treads.....front (ins) 70 1/2, rear (ins) 69	
Size.....(ins) 10.50 x 16	
Pressure.....(see current instructions)	

Weight and Dimensions

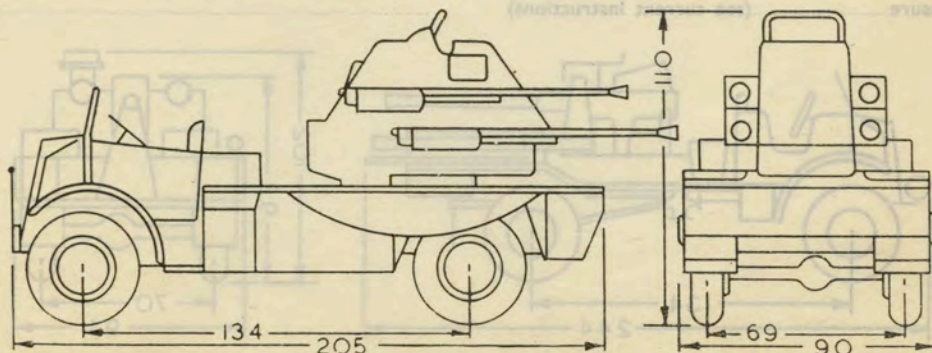
Curb weight (front axle).....(lbs).....	5900
Curb weight (rear axle).....(lbs).....	7500
Laden weight (front axle).....(lbs).....	6900
Laden weight (rear axle).....(lbs).....	8800
Ground clearance (minimum).....(ins).....	9
Wheelbase (front to rear).....(ins).....	134
Shipping space (deck area).....(sq ft).....	150
Shipping space (standing).....(cu ft).....	1300
Dimensions overall.....(see drawing below)	

Publications Applying

Maintenance manual.....	MB-FI
Parts list.....	F60S-01
Waterproofing instrs (chassis).....	No. 44

Additional Data

(Illustration shows four Inglis 20-mm MGs, mounted on prototype vehicle.)



ANTI-AIRCRAFT GUN MOUNT, 40-MM, SELF-PROPELLED

(3-ton, 4 x 4, 134 wb)

Manufacturer—Ford Motor Co.

Vehicle Code—F60S-BOFOR.

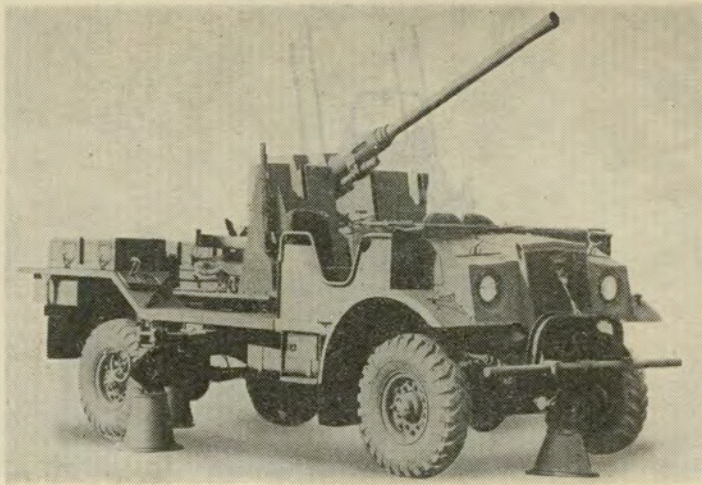


Photo shows levelling jacks turned down to firing position

Operational Role—Primarily AA role in area or convoy defence but can be effectively used against ground targets. Used by RCA in LAA regiments.

Body Details—Reinforced standard chassis with 4 levelling jacks. Extra wide cab seating crew of 4. Flat platform with non-skid floor for gun mounting. Power traverse and elevation with joy-stick control, driven by take-off from transfer case. Stowage for ammunition and spare barrel.

Performance

Bridge classification.....(per MTP 74).....	7
Maximum gradability.....(per cent).....	59
Turning circle (minimum).....(ft).....	61
Angle of approach.....(deg).....	65
Angle of departure.....(deg).....	45
Fording depth.....(ins).....	24
Fuel consumption (average).....(mpg).....	7
Maximum speed.....(mph).....	44

Engine Details

Manufacturer.....	Ford
Type.....	petrol, 4 cyc, 8 cyls, V-8
Size.....bore (ins) 3 3/16, stroke (ins) 3 1/2	
Power.....	95 bhp at (rpm) 3600
Ignition.....	battery (volts) 6
Capacity.....fuel (gals) 25, water (qts) 20, oil (qts) 4	

Tire Details

Treads.....	front (ins) 72, rear (ins) 70 1/2
Size.....	(ins) 10.50 x 16
Pressure.....	(see current instructions)

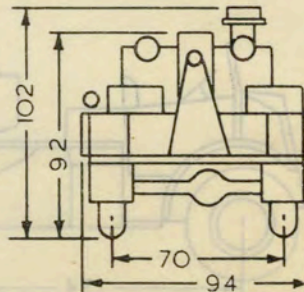
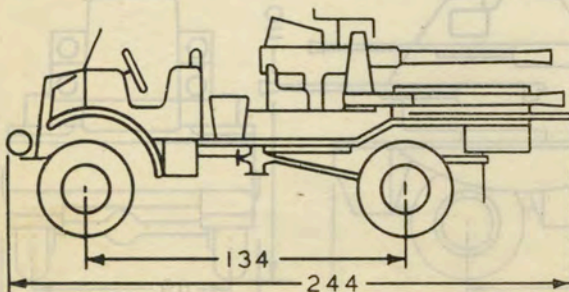
Weight and Dimensions

Curb weight (front axle).....(lbs).....	5900
Curb weight (rear axle).....(lbs).....	7500
Laden weight (front axle).....(lbs).....	6850
Laden weight (rear axle).....(lbs).....	8750
Ground clearance (minimum).....(ins).....	9
Wheelbase (front to rear).....(ins).....	134
Shipping space (deck area).....(sq ft).....	150
Shipping space (standing).....(cu ft).....	1350
Dimensions overall.....	(see drawing below)

Publications Applying

Maintenance manual.....	MB-F1
Parts list.....	F60S-01
Waterproofing instrs (chassis).....	No. 29

Additional Data



LORRY, 3-TON, SIGNALS (CABLE LAYER)

(3-ton, 4 x 4, 134 wb)

Manufacturer—Ford Motor Co., General Motors.

Vehicle Code—F60S-CABL.

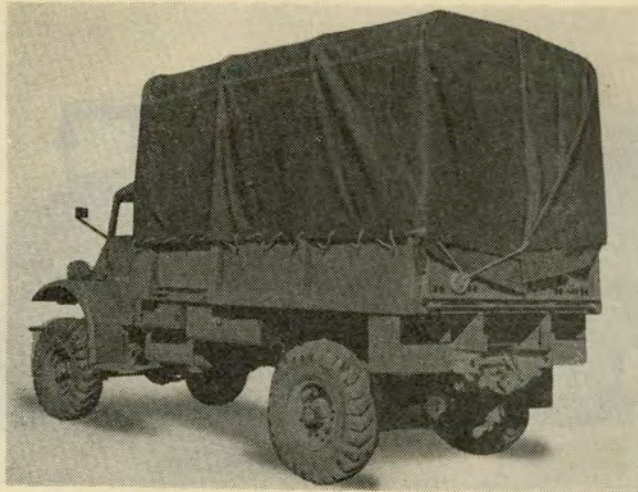


Photo shows longitudinal openings under tail-board for pole stowage

Operational Role—Used by RC Sigs line sections or line construction companies to transport cable reels and pay out cable as required for line construction by means of power driven cable layer carried on the vehicle.

Body Details—Steel, flat floor, length 10 ft, tarpaulin, superstructure, front drop panel in side for loading cable reels, hinged tail-gate, rack for 10 cable reels. Equipment includes power cable layer driven by petrol engine, telegraph ladder, and poles for road cross-overs. Later production is 3-ton, 4 x 4, 158 wb.

Performance

Bridge classification	(per MTP 74)	8
Maximum gradability	(per cent)	53
Turning circle (minimum)	(ft)	61
Angle of approach	(deg)	65
Angle of departure	(deg)	45
Fording depth	(ins)	24
Fuel consumption (average)	(mpg)	7
Maximum speed	(mph)	44

Engine Details

Manufacturer	Ford	
Type	petrol, 4 cys, 8 cys, V-8	
Size	bore (ins)	3 3/16, stroke (ins) 3 3/8
Power	95 bhp at (rpm) 3600	
Ignition	battery (volts) 6	
Capacity	fuel (gals)	24, water (qts) 20, oil (qts) 4

Tire Details

Treads	front (ins)	69 3/8, rear (ins)	70 1/2
Size	(ins) 10.50 x 20		
Pressure	(see current instructions)		

Weight and Dimensions

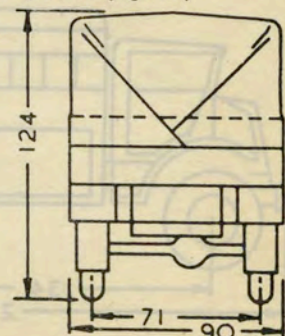
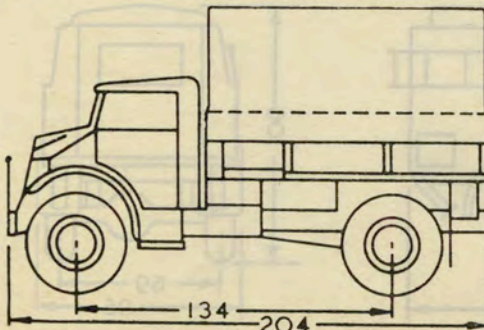
Curb weight (front axle)	(lbs)	4850
Curb weight (rear axle)	(lbs)	6100
Laden weight (front axle)	(lbs)	5100
Laden weight (rear axle)	(lbs)	7000
Ground clearance (minimum)	(ins)	11
Wheelbase (front to rear)	(ins)	134
Shipping space (deck area)	(sq ft)	130
Shipping space (standing)	(cu ft)	1400
Dimensions overall	(see drawing below)	

Publications Applying

Maintenance manual	MB-F1
Parts list	F60S-01
Waterproofing instrs (chassis)	No. 44

Additional Data

(Can be made Sigs office for Div or Corps by removing cable equipment and adding 20 line switchboard, penthouse, etc. Above covers Ford, for GM engine see page 92.)

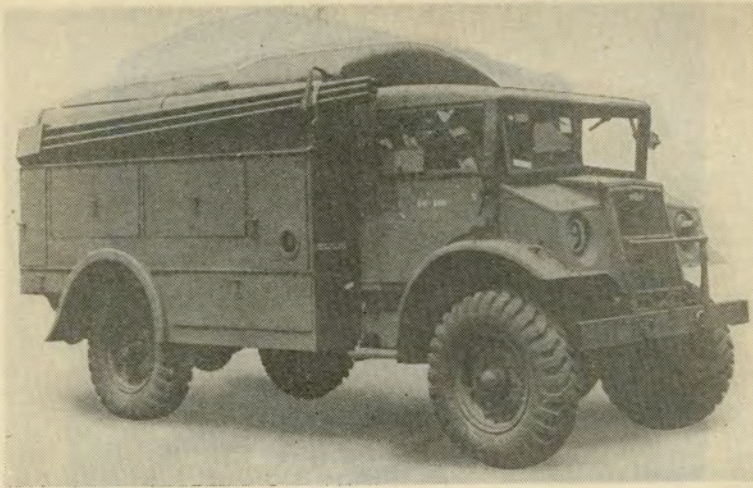


LORRY, 3-TON, SIGNAL CONSTRUCTION

(3-ton, 4 x 4, 134 wb)

Manufacturer—General Motors.

Vehicle Code—C60S-SLC.



Operational Role—Used by RC Sigs construction sections to erect cable on poles after it has been paid out along the proposed line by line construction companies, such as air lines being generally along L of C.

Body Details—All steel, special design similar to AT & T telephone line truck, outside racks for telescopic derrick poles and extension ladder, winch driven from power take-off, special outside lockers. Equipment includes cable reel driven from winch, chain hoist, digging spoons, spades, axes, crowbars, special line construction hand tools, and line spares.

Performance

Bridge classification.....	(per MTP 74)	8
Maximum gradability.....	(per cent)	53
Turning circle (minimum).....	(ft)	56
Angle of approach.....	(deg)	65
Angle of departure.....	(deg)	41
Fording depth.....	(ins)	24
Fuel consumption (average).....	(mpg)	11
Maximum speed.....	(mph)	40

Engine Details

Manufacturer.....	General Motors	
Type.....	petrol, 4 cyc, 6 cyls in line	
Size.....	bore (ins) 3½, stroke (ins) 3¾	
Power.....	85 bhp at (rpm) 3400	
Ignition.....	battery (volts) 6	
Capacity...fuel (gals) 25, water (qts) 13, oil (qts) 5		

Tire Details

Treads.....	front (ins) 68½, rear (ins) 69
Size.....	(ins) 10.50 x 20
Pressure.....	(see current instructions)

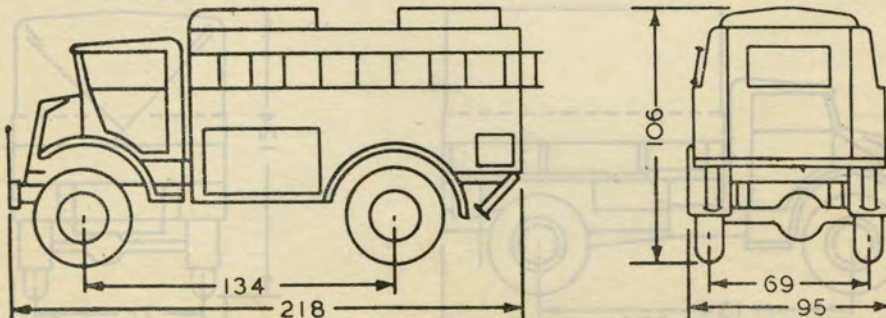
Weight and Dimensions

Curb weight (front axle).....	(lbs)	5420
Curb weight (rear axle).....	(lbs)	7900
Laden weight (front axle).....	(lbs)	6500
Laden weight (rear axle).....	(lbs)	10700
Ground clearance (minimum).....	(ins)	11
Wheelbase (front to rear).....	(ins)	134
Shipping space (deck area).....	(sq ft)	150
Shipping space (standing).....	(cu ft)	1260
Dimensions overall.....	(see drawing below)	

Publications Applying

Maintenance manual.....	MB-C2
Parts list.....	C60S-02
Waterproofing instrs (chassis).....	No. 21

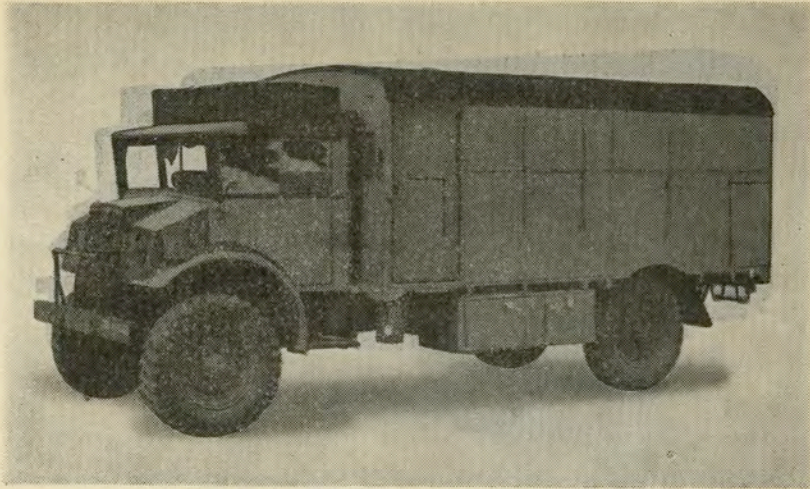
Additional Data



LORRY, 3-TON, TELEPRINTER

(3-ton, 4 x 4, 158 wb)

Manufacturer—General Motors.



Operational Role—Used by RC Sigs under CSO at Army Headquarters for receiving and transmitting teleprinter messages to Corps and Division and back to lines of communication headquarters.

Body Details—House type, Brit built, steel, length 13 ft, side and rear doors, 230 volt ac lighting from HQ power trailer. Equipment includes 6 teleprinter machines, 1 teleprinter switchboard, teleprinter terminal unit, power unit rectifier operating from 230 volt supply, emergency batteries, seats for 6 operators.

Performance

Bridge classification.....	(per MTP 74).....	8
Maximum gradability.....	(per cent).....	53
Turning circle (minimum).....	(ft).....	75
Angle of approach.....	(deg).....	65
Angle of departure.....	(deg).....	45
Fording depth.....	(ins).....	24
Fuel consumption (average).....	(mpg).....	8
Maximum speed.....	(mph).....	44

Engine Details

Manufacturer.....	General Motors	
Type.....	petrol, 4 cyc, 6 cyls in line	
Size.....	bore (ins) $3\frac{1}{2}$, stroke (ins) $3\frac{3}{4}$	
Power.....	85 bhp at (rpm) 3400	
Ignition.....	battery (volts) 6	
Capacity...fuel (gals) 25, water (qts) 13, oil (qts) 5		

Tire Details

Treads.....	front (ins) $68\frac{1}{2}$, rear (ins) 69
Size.....	(ins) 10.50 x 20
Pressure.....	(see current instructions)

Weight and Dimensions

Curb weight (front axle).....	(lbs).....	5500
Curb weight (rear axle).....	(lbs).....	5600
Laden weight (front axle).....	(lbs).....	6200
Laden weight (rear axle).....	(lbs).....	6100
Ground clearance (minimum).....	(ins).....	11
Wheelbase (front to rear).....	(ins).....	158
Shipping space (deck area).....	(sq ft).....	160
Shipping space (standing).....	(cu ft).....	1400
Dimensions overall.....	(see drawing below)	

Publications Applying

Maintenance manual.....	MB-C2
Parts list.....	C60L-02
Waterproofing instrs (chassis).....	No. 21

Additional Data

(Above vehicle will be replaced by 3-ton, 6-wh chassis with 16 ft body.)

