

# LORRY, 3-TON, TEV CORPS

(Terminal equipment vehicle, 3-ton, 4 x 4, 158 wb)

Manufacturer—General Motors.

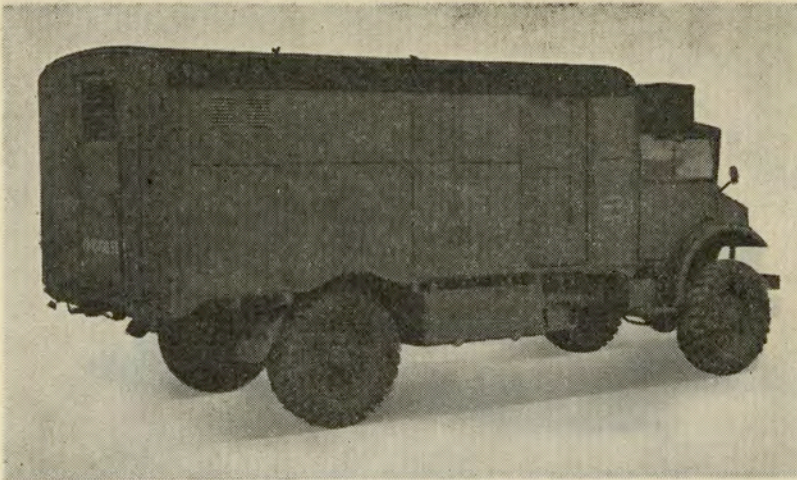


Photo shows penthouse poles on roof, cable reel rack at rear

**Operational Role**—Used by RC Sigs at Corps HQ under CSO for carrying telephone switchboards and teleprinters thus serving as Corps switchboard vehicle, working forward to Division and back to Army.

**Body Details**—House type, Brit built, steel, length 13 ft, side and rear doors. Equipment includes 2 teleprinters, test bench, two 30 line switchboards, carrier and repeater equipment. Divided into 2 compartments, forward one for switchboards, rear one for teleprinters, carrier and test equipment.

## 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) 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

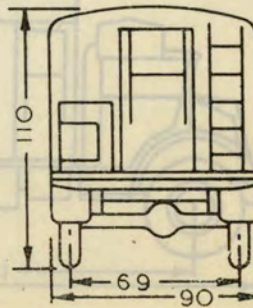
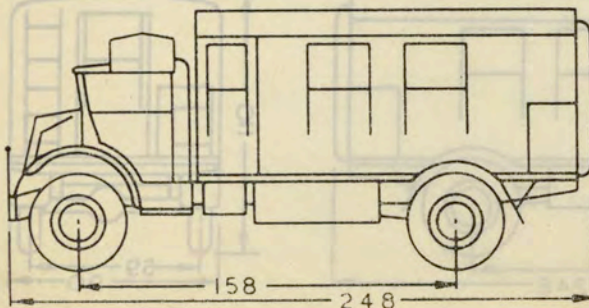
Curb weight (front axle).....	(lbs).....	5500
Curb weight (rear axle).....	(lbs).....	5600
Laden weight (front axle).....	(lbs).....	6200
Laden weight (rear axle).....	(lbs).....	6100
Ground clearance (minimum).....	(ins).....	11
Wheelbase (front to rear).....	(ins).....	158
Shipping space (deck area).....	(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 (chassis).....	No. 21

## Additional Data

(Above vehicle will be replaced by 3-ton, 6-wh, TEV, which has 16 ft body.)



# LORRY, 3-TON, TEV DIV

(Terminal equipment vehicle, 3-ton, 4 x 4, 158 wb)

Manufacturer—General Motors.

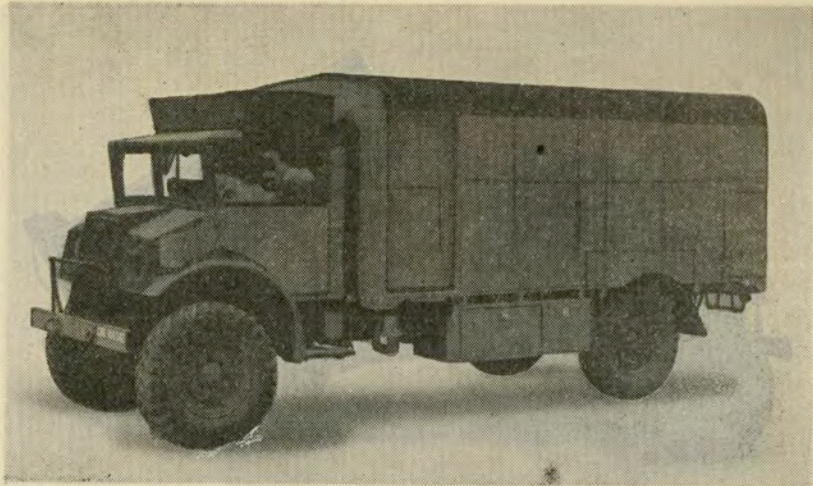


Photo shows battery and chorehorse lockers under body, cable reel rack at rear

**Operational Role**—Used by RC Sigs at Div HQ under OC Sigs as vehicle for carrying divisional telephone switchboard working forward to Brigade and back to Corps and Army.

**Body Details**—House type, Brit built, steel, length 13 ft, side and rear doors. Combinations of equipment can be used. Two 20 line switchboards and 4 Fullerphones is typical. Equipment includes two cable reels, batteries, chorehorse.

## 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

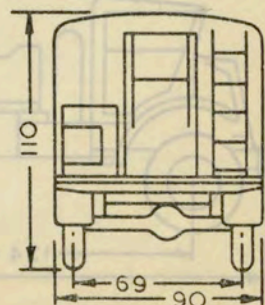
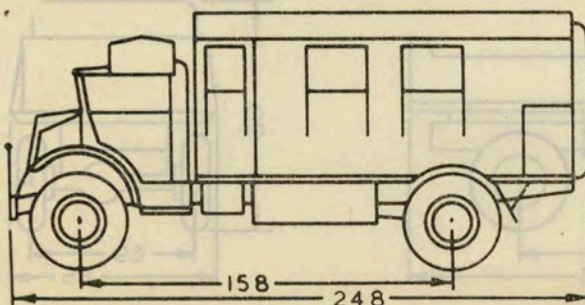
Curb weight (front axle).....(lbs).....	5500
Curb weight (rear axle).....(lbs).....	5600
Laden weight (front axle).....(lbs).....	6200
Laden weight (rear axle).....(lbs).....	6100
Ground clearance (minimum).....(ins).....	11
Wheelbase (front to rear).....(ins).....	158
Shipping space (deck area).....(sq 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

(Penthouses can be erected alongside vehicle for use by clerks and other personnel.)



# LORRY, 3-TON, TIPPING

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

Manufacturer—General Motors.

Vehicle Code—C60S-DUMP.

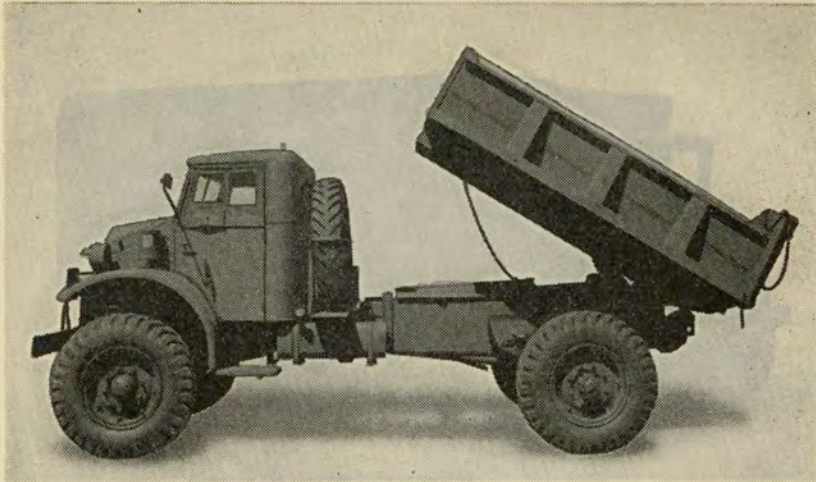


Photo shows body partially tipped, tail-gate in locked position

**Operational Role**—Used by RCE for road, air field construction and similar jobs involving haulage of rock, sand, gravel, etc.

**Body Details**—All steel, special body, hinged tail-gate. Equipped with hydraulic hoist for tipping body driven from power take-off, giving 60 degree angle lift.

### 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)	8
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)	

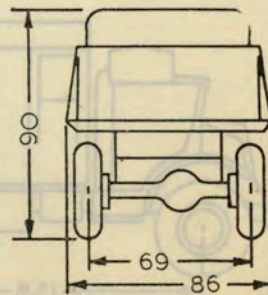
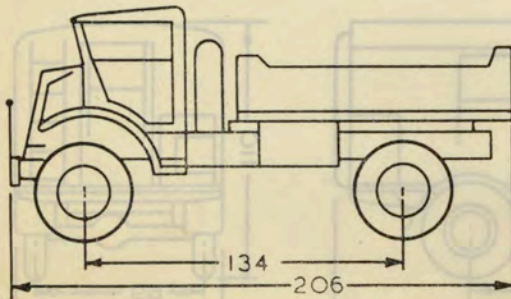
### Weight and Dimensions

Curb weight (front axle).....	(lbs)	4840
Curb weight (rear axle).....	(lbs)	5220
Laden weight (front axle).....	(lbs)	5110
Laden weight (rear axle).....	(lbs)	11670
Ground clearance (minimum).....	(ins)	11
Wheelbase (front to rear).....	(ins)	134
Shipping space (deck area).....	(sq ft)	130
Shipping space (standing).....	(cu ft)	950
Dimensions overall.....	(see drawing below)	

### Publications Applying

Maintenance manual.....	MB-C2
Parts list.....	C60S-02
Waterproofing instrs (chassis).....	No. 21

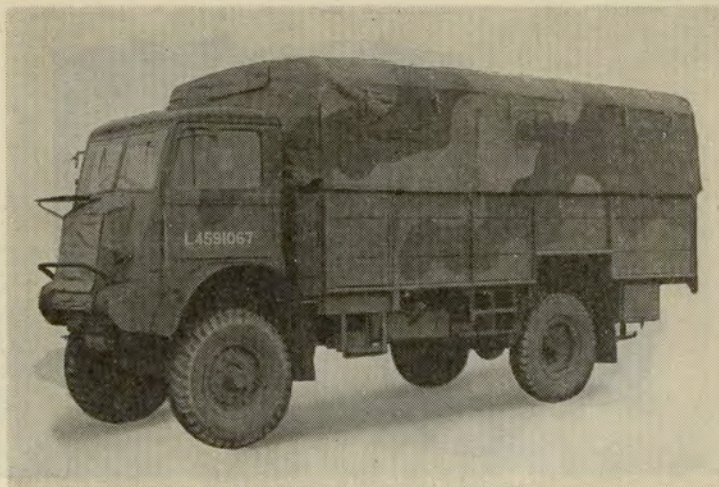
### Additional Data



# LORRY, 3-TON, TROOP CARRYING VEHICLE

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

Manufacturer—Vauxhall Motors Ltd.



**Operational Role**—Used by RCASC Armd Div Transport Coy for carriage of marching personnel of 3 infantry battalions of inf bde of armd div and by Motor Ambulance Convoy for collection and evacuation of sick and wounded. Limited cross country performance.

**Body Details**—Composite, length 16 ft, superstructure, tarpaulin, side and rear doors, spare tire underneath at rear. Carries 29 men with full equipment on folding seats along centre and sides. AA hatch on forward end of body. Normal tools, POW carriers, etc. Rated for 2-ton cargo only because of excessive rear extension.

## Performance

Bridge classification.....	(per MTP 74).....	7
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) 32, 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)

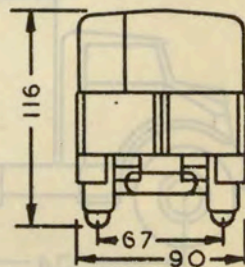
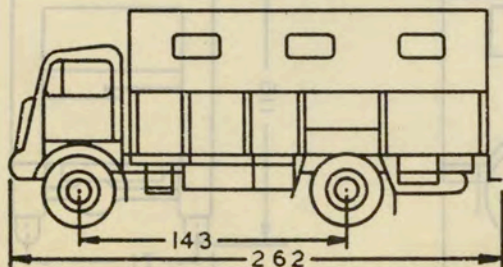
## Weight and Dimensions

Curb weight (front axle).....	(lbs).....	2570
Curb weight (rear axle).....	(lbs).....	4350
Laden weight (front axle).....	(lbs).....	5150
Laden weight (rear axle).....	(lbs).....	9500
Ground clearance (minimum).....	(ins).....	12
Wheelbase (front to rear).....	(ins).....	143
Shipping space (deck area).....	(sq ft).....	170
Shipping space (standing).....	(cu ft).....	1600
Dimensions overall.....	(see drawing below)	

## Publications Applying

Maintenance manual.....	WD3/TS 138
Parts list.....	PS-121
Waterproofing instrs (chassis).....	AC-61

## Additional Data



# VEHICLE LORRY, 3-TON, WIRELESS (C33)

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

Manufacturer—General Motors.

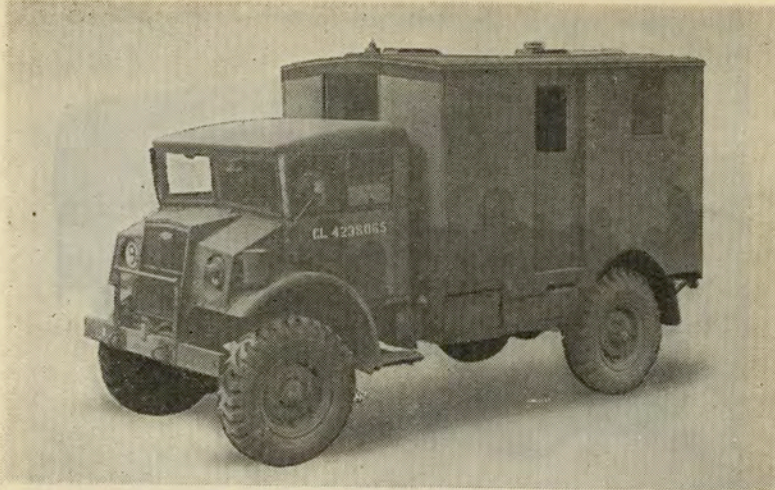


Photo shows recent type with No. 13 cab

**Operational Role**—Used by RC Sigs heavy wireless sections as high power transmitter and receiver normally for communications from Army to Corps and L of C but can work long distances when required during operations.

**Body Details**—House type, Brit, length 10 ft, entrance by side door, seats one NCO, two operators. Equipment includes one C33 set, and local and remote control units. Power supply from 2-kw generator on trailer which accompanies vehicle and has chorehorse for emergency charging.

### Performance

Bridge classification.....	(per MTP 74)	8
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)	8
Maximum speed.....	(mph)	40

### Engine Details

Manufacturer.....	General Motors	
Type.....	petrol, 4 cyc, 6 cys 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 20
Pressure.....	(see current instructions)

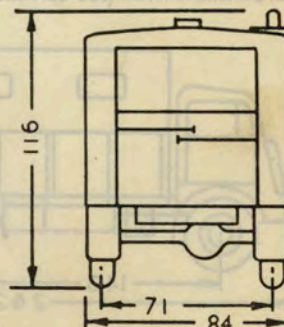
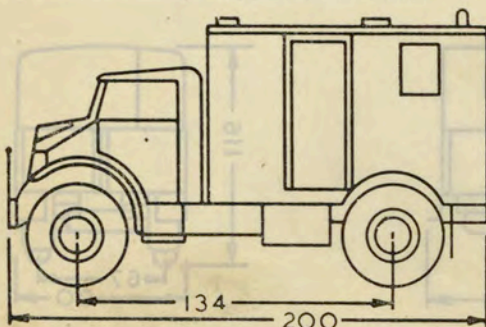
### Weight and Dimensions

Curb weight (front axle).....	(lbs)	4070
Curb weight (rear axle).....	(lbs)	5680
Laden weight (front axle).....	(lbs)	4500
Laden weight (rear axle).....	(lbs)	6270
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-C2
Parts list.....	C60S-02
Waterproofing instrs (chassis).....	No. 21

### Additional Data



# LORRY, 3-TON, WIRELESS "I"

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

Manufacturer—General Motors.

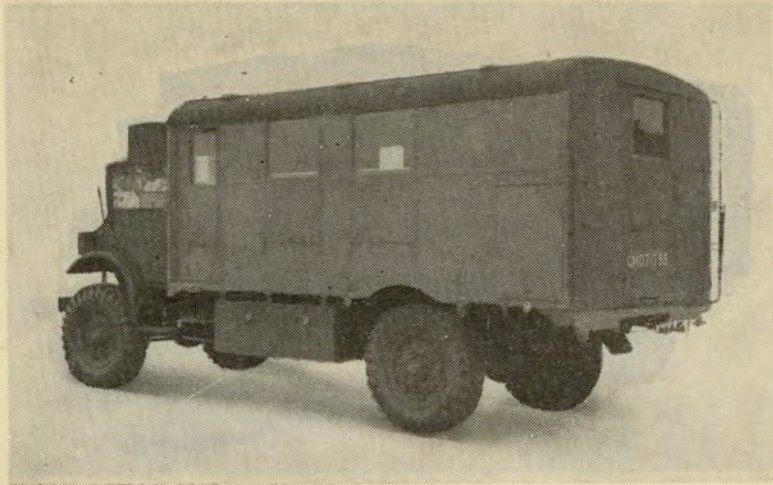


Photo shows battery and chorehorse compartments under body, aerial bases on roof

**Operational Role**—Used by RC Sigs special wireless sections at Corps HQ under CSO to listen in for G Staff on forward nets as required thus by-passing delay of ordinary channels but can be used alternatively with "R" vehicle or as signals office.

**Body Details**—House type, Brit built, steel, length 13 ft, side and rear doors. Equipment includes 4 No. R107 receivers, frequency meter, tables for 4 operators, seats for 2 clerks.

## 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) 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)

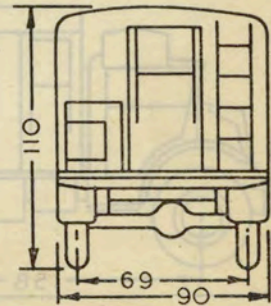
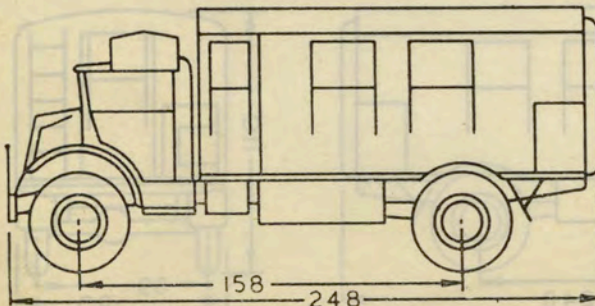
## Weight and Dimensions

Curb weight (front axle).....(lbs).....	5500
Curb weight (rear axle).....(lbs).....	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.....	C6OL-02
Waterproofing instrs (chassis).....	No. 21

## Additional Data



# LORRY, 3-TON, WIRELESS "R"

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

Manufacturer—General Motors.

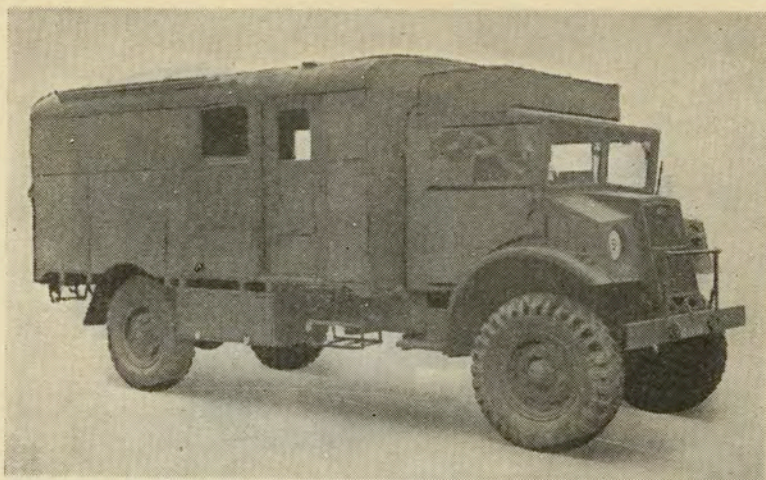


Photo shows cable reel rack at rear of body and penthouse poles on roof

**Operational Role**—Used by RC Sigs special wireless sections at Corps HQ under CSO to carry wireless receivers for monitor service such as checking security on certain networks, checking frequency, etc.

**Body Details**—House type, Brit built, steel, length 13 ft, side and rear doors. Equipment includes 6 No. R107 receivers or equal, frequency meter, tables and seats for 6 operators. Normally 2 such vehicles adjacent with facilities for relaying AF output of any receiver to central control point.

## 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

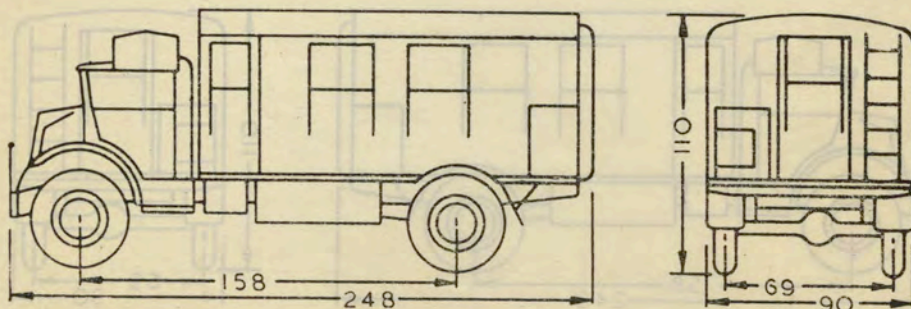
Curb weight (front axle).....(lbs).....	5500
Curb weight (rear axle).....(lbs).....	5600
Laden weight (front axle).....(lbs).....	6200
Laden weight (rear axle).....(lbs).....	6100
Ground clearance (minimum).....(ins).....	11
Wheelbase (front to rear).....(ins).....	158
Shipping space (deck area).....(sq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

## Publications Applying

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

## Additional Data

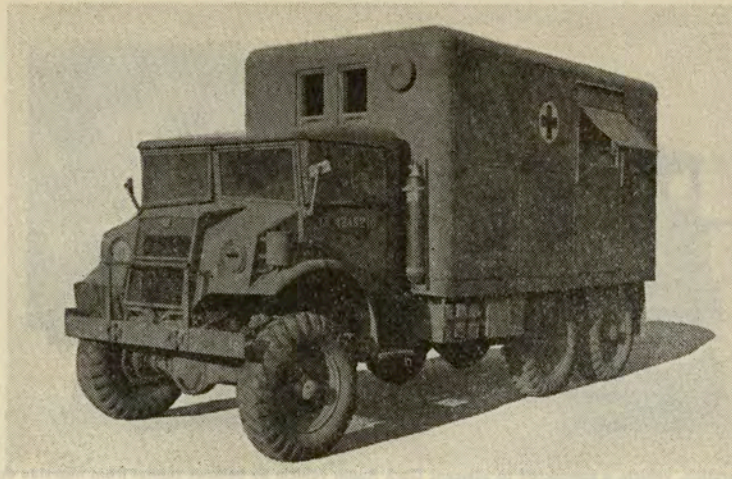
(Furniture and fittings can be removed for use in penthouse stowed on cab roof if desired.)



# LORRY, 3-TON, 6-WH, BACTERIOLOGICAL LABORATORY

(3-ton, 6 x 6, 160 wb)

Manufacturer—General Motors.



**Operational Role**—Used by RCAMC as mobile bacteriological laboratory for general bacteriological examinations also similar vehicle is used as hygiene laboratory for testing water, food, suspected poisons, etc.

**Body Details**—House type, steel, length 14 ft. Equipment includes chemicals, glassware, balances, microscope, auto-clave, centrifuge, refrigerator, fume cupboard, water system, motor-generator set, work benches, sinks and lockers.

## Performance

Bridge classification.....	(per MTP 74).....	9
Maximum gradability.....	(per cent).....	53
Turning circle (minimum).....	(ft).....	72
Angle of approach.....	(deg).....	60
Angle of departure.....	(deg).....	51
Fording depth.....	(ins).....	24
Fuel consumption (average).....	(mpg).....	7
Maximum speed.....	(mph).....	44

## Engine Details

Manufacturer.....	General Motors
Type.....	petrol, 4 cyc, 6 cyls in line
Size.....	bore (ins) 3 25/32, stroke (ins) 4
Power.....	100 bhp at (rpm) 3000
Ignition.....	battery (volts) 6
Capacity.....	fuel (gals) 42, water (qts) 16, oil (qts) 8

## Tire Details

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

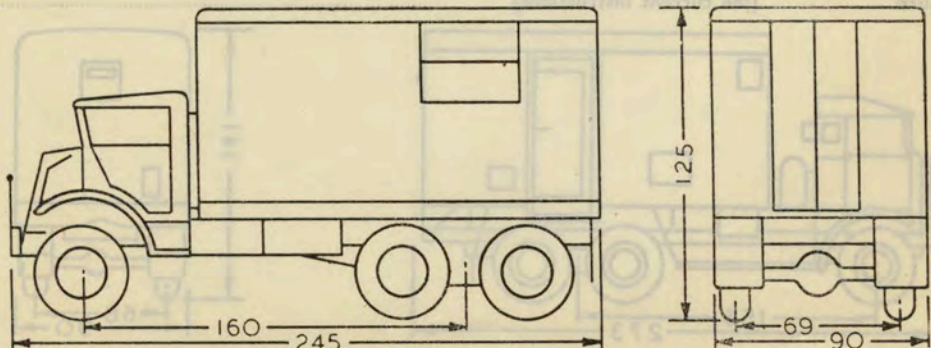
## Weight and Dimensions

Curb weight (front axle).....	(lbs).....	6600
Curb weight (rear axle).....	(lbs).....	13300
Laden weight (front axle).....	(lbs).....	7000
Laden weight (rear axle).....	(lbs).....	14000
Ground clearance (minimum).....	(ins).....	11
Wheelbase (front to rear).....	(ins).....	160
Shipping space (deck area).....	(sq ft).....	160
Shipping space (standing).....	(cu ft).....	1600
Dimensions overall.....	(see drawing below)	

## Publications Applying

Maintenance manual.....	M660-C1
Parts list.....	C60X-02
Waterproofing instrs (chassis).....	No. 65

## Additional Data

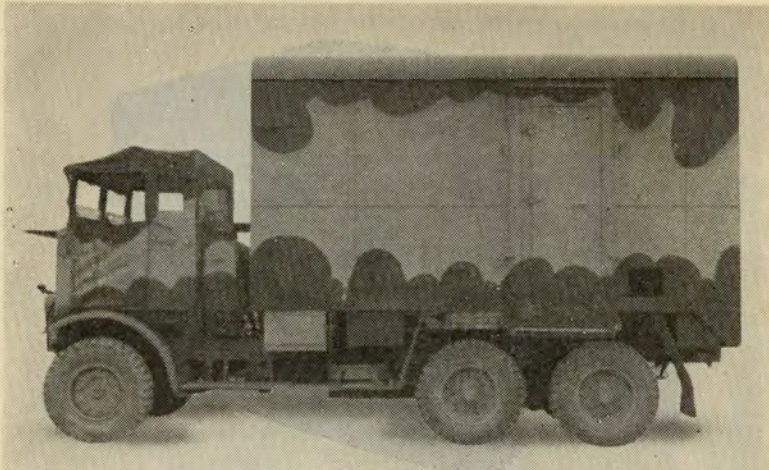




# LORRY, 3-TON, 6-WH, CAMERA

(3-ton, 6 x 4, 156 wb)

Manufacturer—Leyland Motors Ltd.



In operation, vehicle is connected to adjacent Dark Room vehicle by bellows tunnel from nearside door

**Operational Role**—Used by RCE in Photographic Section, Field Survey Company, for making photographic negatives and positives, both plates and films as required, of map drawings received from Drawing Section. Negatives are developed in Dark Room vehicle, then sent to Photo Mechanical vehicle for reproduction as zinc plates.

**Body Details**—House type, steel, length 15 ft, near and offside doors, soft top cab. Light proof bellows extend from side door to link with Camera vehicle. Equipment includes 24 x 20 process camera with 25 in lens and accessories, water tanks capacity 106 gals, also half tone screen equipment, and lockers for necessary supplies.

### Performance

Bridge classification.....	(per MTP 74).....	9
Maximum gradability.....	(per cent).....	50
Turning circle (minimum).....	(ft).....	55
Angle of approach.....	(deg).....	60
Angle of departure.....	(deg).....	36
Fording depth.....	(ins).....	24
Fuel consumption (average).....	(mpg).....	7
Maximum speed.....	(mph).....	33

### Engine Details

Manufacturer.....	Leyland
Type.....	petrol, 4 cys, 4 cyls in line
Size.....	bore (ins) 4 9/16, stroke (ins) 5 1/2
Power.....	73 bhp at (rpm) 2120
Ignition.....	magneto
Capacity...fuel (gals) 31, water (qts) 22, oil (qts) 11	

### Tire Details

Treads.....	front (ins) 71 1/2, rear (ins) 67 3/4
Size.....	(ins) 9.00 x 20
Pressure.....	(see current instructions)

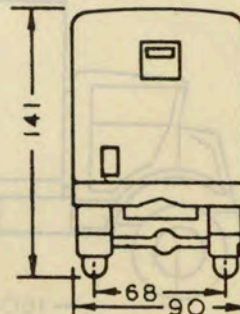
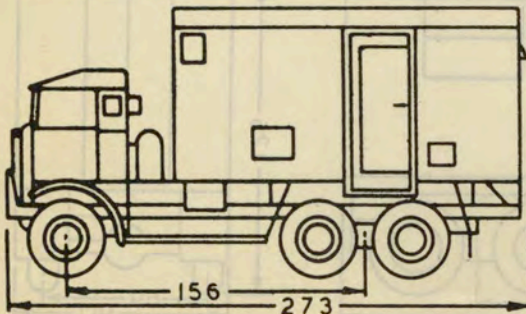
### Weight and Dimensions

Curb weight (front axle).....	(lbs).....	5470
Curb weight (rear axle).....	(lbs).....	12000
Laden weight (front axle).....	(lbs).....	5770
Laden weight (rear axle).....	(lbs).....	12550
Ground clearance (minimum).....	(ins).....	11
Wheelbase (front to rear).....	(ins).....	156
Shipping space (deck area).....	(sq ft).....	170
Shipping space (standing).....	(cu ft).....	2020
Dimensions overall.....	(see drawing below)	

### Publications Applying

Maintenance manual.....	(not available)
Parts list.....	VAOS LV7/LD
Waterproofing instrs (chassis).....	AC-96

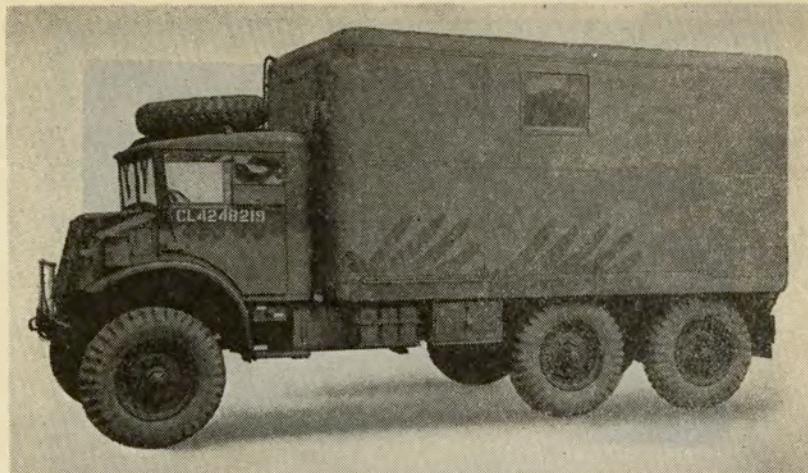
### Additional Data



# LORRY, 3-TON, 6-WH, CHEMICAL WARFARE LABORATORY

(3-ton, 6 x 6, 160 wb)

Manufacturer—General Motors.



**Operational Role**—Used in set of 3 vehicles, two being chemical laboratories for qualitative and quantitative analysis of war gases, one known as medical laboratory (for study of pathological chemistry of war gas casualties) having certain extra equipment. Used on Army level.

**Body Details**—House type, steel, length 14 ft. Equipment includes full outfit of chemical apparatus and chemicals adapted for Engelder semi-micro system of analysis, refrigerator, vacuum pump, muffle furnace, fume cupboards, butane piping, etc. Power supply from 2-kw Onan generator.

## Performance

Bridge classification.....(per MTP 74).....	9
Maximum gradability.....(per cent).....	53
Turning circle (minimum).....(ft).....	72
Angle of approach.....(deg).....	60
Angle of departure.....(deg).....	51
Fording depth.....(ins).....	24
Fuel consumption (average).....(mpg).....	4
Maximum speed.....(mph).....	44

## Engine Details

Manufacturer.....	General Motors
Type.....	petrol, 4 cyc, 6 cyls in line
Size.....bore (ins) 3 25/32, stroke (ins) 4	
Power.....	100 bhp at (rpm) 3000
Ignition.....	battery (volts) 6
Capacity.....fuel (gals) 42, water (qts) 16, oil (qts) 8	

## Tire Details

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

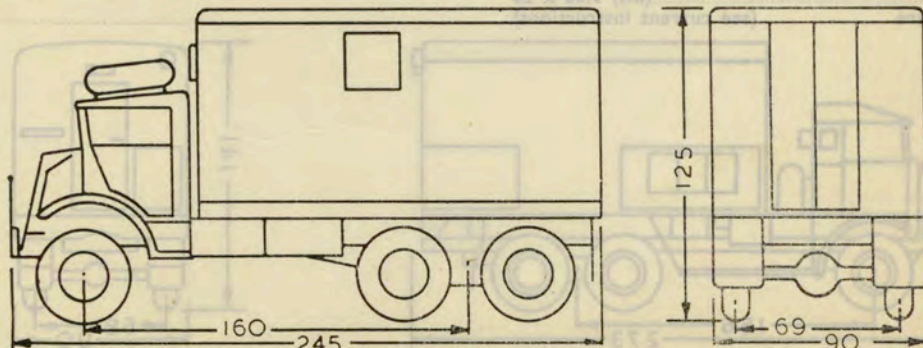
## Weight and Dimensions

Curb weight (front axle).....(lbs).....	6600
Curb weight (rear axle).....(lbs).....	13300
Laden weight (front axle).....(lbs).....	7000
Laden weight (rear axle).....(lbs).....	14000
Ground clearance (minimum).....(ins).....	11
Wheelbase (front to rear).....(ins).....	160
Shipping space (deck area).....(sq ft).....	160
Shipping space (standing).....(cu ft).....	1600
Dimensions overall.....(see drawing below)	

## Publications Applying

Maintenance manual.....	M660-C1
Parts list.....	C60X-02
Waterproofing instrs (chassis).....	No. 65

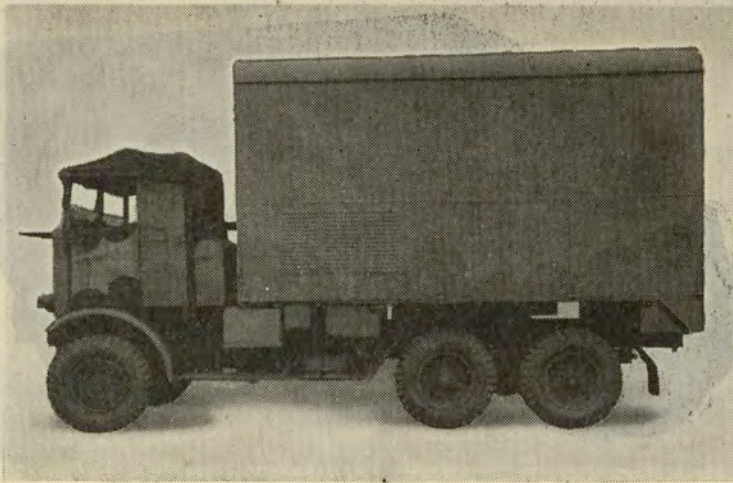
## Additional Data



# LORRY, 3-TON, 6-WH, DARK ROOM

(3-ton, 6 x 4, 156 wb)

Manufacturer—Leyland Motors Ltd.



In operation, vehicle is connected to adjacent Camera vehicle by bellows tunnel from offside door

**Operational Role**—Used by RCE in Photographic Section, Field Survey Company, as dark room for developing photographic negatives and positives of map drawings previously photographed in Camera vehicle.

**Body Details**—House type, steel, length 15 ft, partitioned into 2 compartments, entrance by rear door, offside door for linkage to Camera vehicle by bellows. Equipment includes sinks, water tanks of total capacity 116 gals, refrigerating plant, photographic supplies.

## Performance

Bridge classification.....	(per MTP 74).....	9
Maximum gradability.....	(per cent).....	50
Turning circle (minimum).....	(ft).....	55
Angle of approach.....	(deg).....	60
Angle of departure.....	(deg).....	36
Fording depth.....	(ins).....	24
Fuel consumption (average).....	(mpg).....	7
Maximum speed.....	(mph).....	33

## Engine Details

Manufacturer.....	Leyland	
Type.....	petrol, 4 cyc, 4 cyls in line	
Size.....	bore (ins) 4 9/16, stroke (ins) 5 1/2	
Power.....	73 bhp at (rpm) 2120	
Ignition.....	magneto	
Capacity....fuel (gals) 31, water (qts) 22, oil (qts) 11		

## Tire Details

Treads.....	front (ins) 7 1/2, rear (ins) 6 3/4
Size.....	(ins) 9.00 x 20
Pressure.....	(see current instructions)

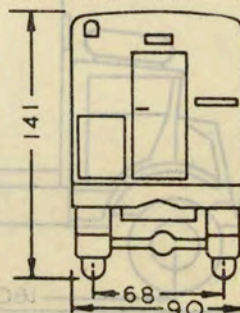
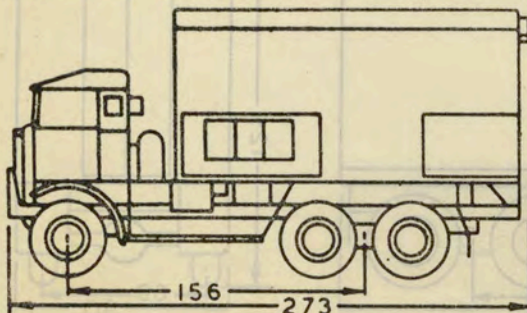
## Weight and Dimensions

Curb weight (front axle).....	(lbs).....	6400
Curb weight (rear axle).....	(lbs).....	13800
Laden weight (front axle).....	(lbs).....	6670
Laden weight (rear axle).....	(lbs).....	14400
Ground clearance (minimum).....	(ins).....	11
Wheelbase (front to rear).....	(ins).....	156
Shipping space (deck area).....	(sq ft).....	170
Shipping space (standing).....	(cu ft).....	2020
Dimensions overall.....	(see drawing below)	

## Publications Applying

Maintenance manual.....	(not available)
Parts list.....	VAOS LV7/LD
Waterproofing instrs (chassis).....	AC-96

## Additional Data



# LORRY, 3-TON, 6-WH, MACHINERY "A"

(3-ton, 6 x 6, 160 wb)

Manufacturer—General Motors.

Vehicle Code—C60X-MACH-A.

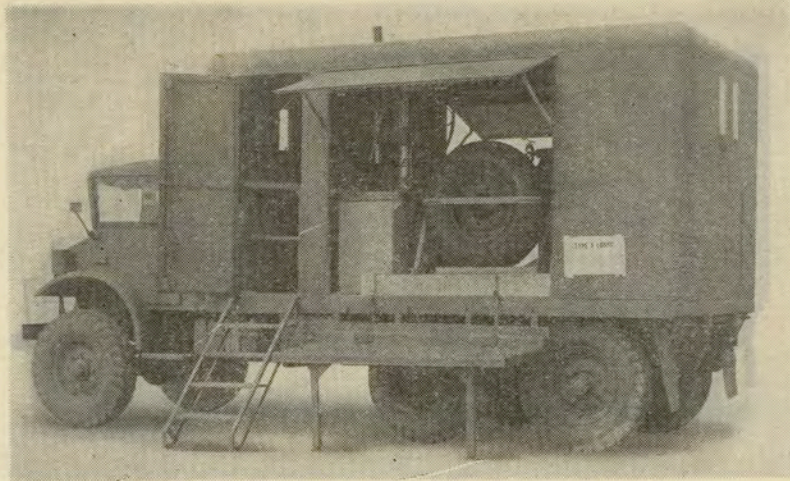


Photo shows lorry set up for operation with work benches lowered

**Operational Role**—Used by RCEME workshops in the field for metal turning and drilling and also has battery charger which will handle 10 batteries simultaneously.

**Body Details**—House type, steel, length 14 ft, entrance door left front side, drop sides for work benches. Equipment includes lathe with hollow spindle and taper attachment, bench and portable drills, bench grinder, battery charging panel, generator. Power supply by interconnection with generator trailer.

## Performance

Bridge classification.....(per MTP 74).....	9
Maximum gradability.....(per cent).....	53
Turning circle (minimum).....(ft).....	72
Angle of approach.....(deg).....	60
Angle of departure.....(deg).....	51
Fording depth.....(ins).....	24
Fuel consumption (average).....(mpg).....	4
Maximum speed.....(mph).....	44

## Engine Details

Manufacturer.....	General Motors
Type.....	petrol, 4 cyc, 6 cyls in line
Size.....bore (ins) 3 25/32, stroke (ins) 4	
Power.....	100 bhp at (rpm) 3000
Ignition.....	battery (volts) 6
Capacity.....fuel (gals) 42, water (qts) 16, oil (qts) 8	

## Tire Details

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

## Weight and Dimensions

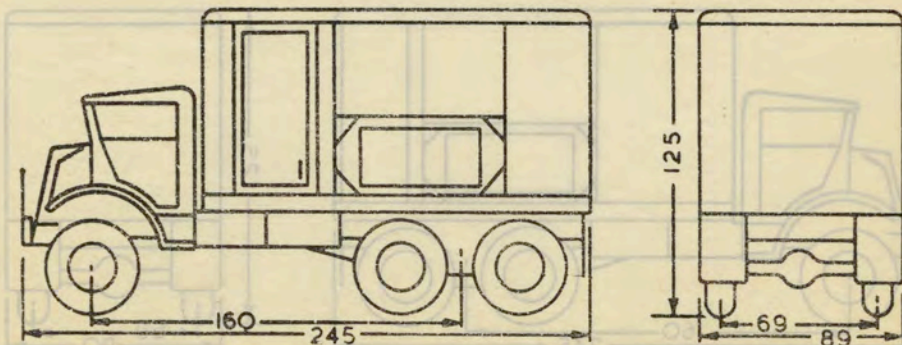
Curb weight (front axle).....(lbs).....	5720
Curb weight (rear axle).....(lbs).....	14400
Laden weight (front axle).....(lbs).....	6310
Laden weight (rear axle).....(lbs).....	14660
Ground clearance (minimum).....(ins).....	11
Wheelbase (front to rear).....(ins).....	160
Shipping space (deck area).....(sq ft).....	160
Shipping space (standing).....(cu ft).....	1600
Dimensions overall.....	(see drawing below)

## Publications Applying

Maintenance manual.....	WM-3830, M660-C1
Parts list.....	C60X-02
Waterproofing instrs (chassis).....	No. 65

## Additional Data

(New type, Mk II, 3-ton, 4 x 4, 158 wb, tubular superstructure and tarpaulin, is being developed as standard design.)

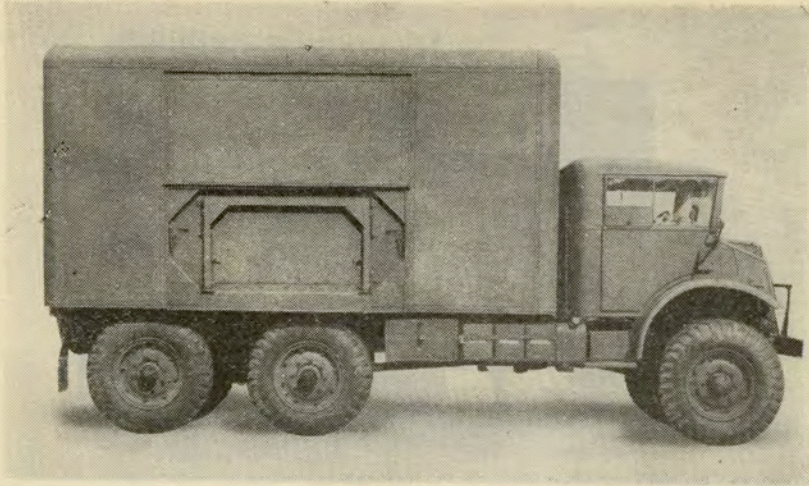


# LORRY, 3-TON, 6-WH, MACHINERY "B"

(3-ton, 6 x 6, 160 wb)

Manufacturer—General Motors.

Vehicle Code—C60X-MACH-B.



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

**Body Details**—House type, steel, length 14 ft, entrance by side door, drop sides. Equipment includes universal horizontal milling machine, pedestal drill with power feed, bench grinder, small tools, hand tools and distribution panel. Power supply by interconnection with power trailer.

## Performance

Bridge classification.....(per MTP 74).....	9
Maximum gradability.....(per cent).....	53
Turning circle (minimum).....(ft).....	72
Angle of approach.....(deg).....	60
Angle of departure.....(deg).....	51
Fording depth.....(ins).....	24
Fuel consumption (average).....(mpg).....	4
Maximum speed.....(mph).....	44

## Engine Details

Manufacturer.....	General Motors
Type.....	petrol, 4 cyc, 6 cyls in line
Size.....bore (ins) 3 25/32, stroke (ins) 4	
Power.....	100 bhp at (rpm) 3000
Ignition.....	battery (volts) 6
Capacity...fuel (gals) 42, water (qts) 16, oil (qts) 8	

## Tire Details

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

## Weight and Dimensions

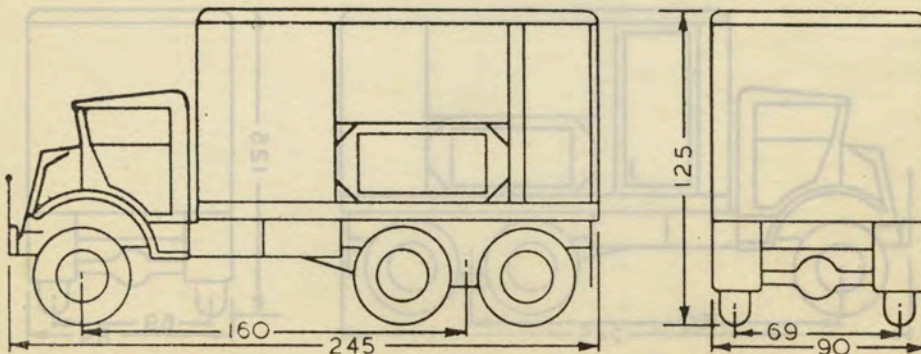
Curb weight (front axle).....(lbs).....	6200
Curb weight (rear axle).....(lbs).....	12900
Laden weight (front axle).....(lbs).....	6800
Laden weight (rear axle).....(lbs).....	13190
Ground clearance (minimum).....(ins).....	11
Wheelbase (front to rear).....(ins).....	160
Shipping space (deck area).....(sq ft).....	160
Shipping space (standing).....(cu ft).....	1600
Dimensions overall.....(see drawing below)	

## Publication Applying

Maintenance manual.....	WM-3852, M660-C1
Parts list.....	C60X-02
Waterproofing instrs (chassis).....	No. 65

## Additional Data

(New type, Mk II, 3-ton, 4 x 4, 158 wb, is being developed as standard design.)

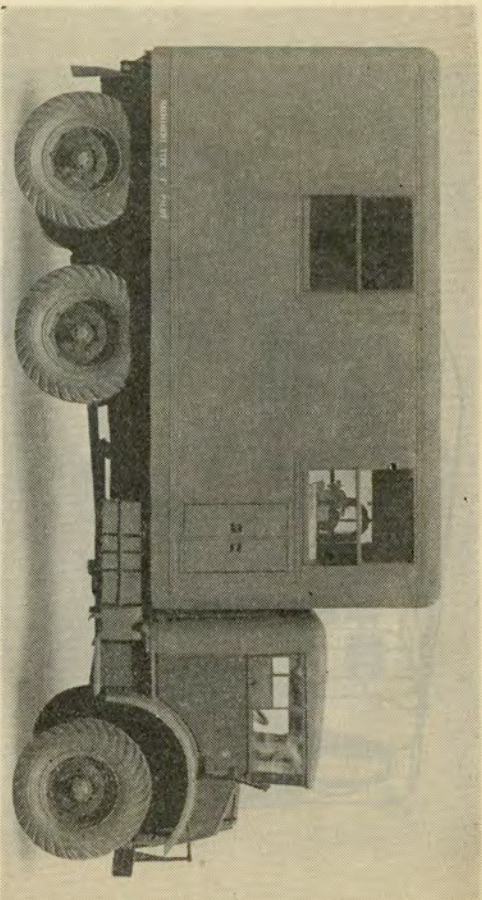


# LORRY, 3-TON, 6-WH, MACHINERY "F"

(3-ton, 6 x 6, 160 wh)

Manufacturer—General Motors.

Vehicle Code—C60X-MACH-F.



Small doors right front side cover ventilator for generator engine

**Operational Role**—Used by RCME workshops in the field for the testing and repair of automotive electrical equipment (starters, generators, etc.) and components thereof.

**Body Details**—House type, steel, length 14 ft, entrance by rear doors, ventilating windows in sides. Equipment includes dc generator driven by petrol engine, control panel, ammeters, voltmeters, special test equipment, armature baking oven, etc.

## Performance

Bridge classification.....	(per MTP 74)	8
Maximum gradability.....	(per cent)	53
Turning circle (minimum).....	(ft)	72
Angle of approach.....	(deg)	60
Angle of departure.....	(deg)	51
Forcing depth.....	(ins)	24
Fuel consumption (average).....	(mpg)	4
Maximum speed.....	(mph)	44

## Engine Details

Manufacturer.....	General Motors
Type.....	petrol, 4 cyc, 6 cyls in line
Size.....	bore (ins) 3.25/32, stroke (ins) 4
Power.....	100 bhp at (rpm) 3000
Ignition.....	battery (volts) 6
Capacity.....	fuel (gals) 42, water (qts) 16, oil (qts) 8

## 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

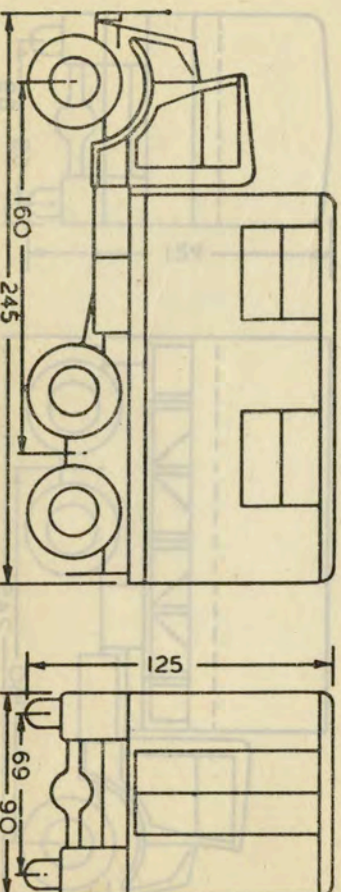
Curb weight (front axle).....	(lbs)	5610
Curb weight (rear axle).....	(lbs)	10350
Laden weight (front axle).....	(lbs)	5640
Laden weight (rear axle).....	(lbs)	12140
Ground clearance (minimum).....	(ins)	11
Wheelbase (front to rear).....	(ins)	160
Shipping space (deck area).....	(sq ft)	160
Shipping space (standing).....	(cu ft)	1600
Dimensions overall.....	(see drawing below)	

## Publications Applying

Maintenance manual.....	WM-3856,	M660-C1
Parts list.....		C60X-02
Waterproofing instrs (chassis).....		No. 65

## Additional Data

(New type, Mk II, 3-ton, 4 x 4, 158 w.b., is being developed as standard design.)



# LORRY, 3-TON, 6-WH, MACHINERY "L"

(3-ton, 6 x 6, 160 wb)

Manufacturer—General Motors.

Vehicle Code—C60X-MACH-L.

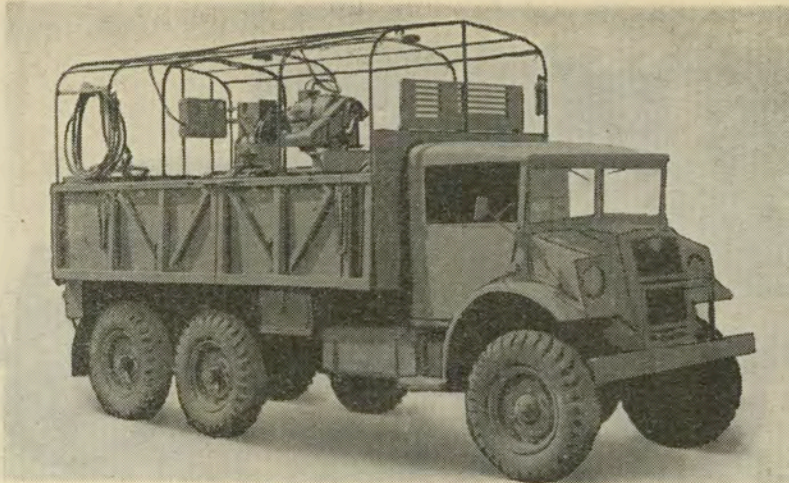


Photo shows tarpaulin removed and drop sides closed up

**Operational Role**—Used by 3rd echelon and advanced base RCME workshops for woodworking operations such as planing, thicknessing, ripping, cross-cutting, moulding, mitring, turning, boring etc., also saw-setting and planer knife grinding as required in the field.

**Body Details**—Steel, length 14 ft, superstructure, tarpaulin, drop sides forming working platform, access by step ladder. Two penthouses. Equipment includes universal type woodworker with all accessories, work-bench, saw-setter, vices, hand tools. Power supply by interconnection with power trailer.

## Performance

Bridge classification.....	(per MTP 74).....	9
Maximum gradability.....	(per cent).....	50
Turning circle (minimum).....	(ft).....	72
Angle of approach.....	(deg).....	60
Angle of departure.....	(deg).....	51
Fording depth.....	(ins).....	24
Fuel consumption (average).....	(mpg).....	4
Maximum speed.....	(mph).....	40

## Engine Details

Manufacturer.....	General Motors
Type.....	petrol, 4 cyc, 6 cyls in line
Size.....	bore (ins) 3 25/32, stroke (ins) 4
Power.....	100 bhp at (rpm) 3000
Ignition.....	battery (volts) 6
Capacity.....	fuel (gals) 42, water (qts) 16, oil (qts) 8

## Tire Details

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

## Weight and Dimensions

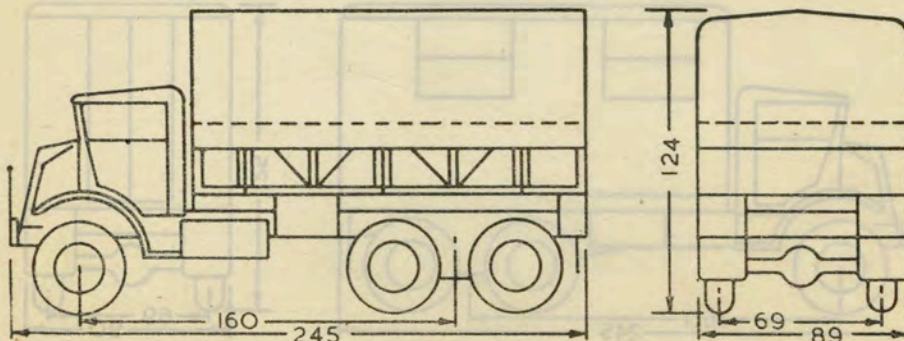
Curb weight (front axle).....	(lbs).....	6060
Curb weight (rear axle).....	(lbs).....	13700
Laden weight (front axle).....	(lbs).....	6540
Laden weight (rear axle).....	(lbs).....	13940
Ground clearance (minimum).....	(ins).....	11
Wheelbase (front to rear).....	(ins).....	160
Shipping space (deck area).....	(sq ft).....	160
Shipping space (standing).....	(cu ft).....	1600
Dimensions overall.....	(see drawing below)	

## Publications Applying

Maintenance manual.....	WM-3858, M 660-C1
Parts list.....	C 60X-02
Waterproofing instrs (chassis).....	No. 65

## Additional Data

(New type, Mk II, 3-ton, 4 x 4, 158 wb, tubular superstructure and tarpaulin, is being developed as future standard design.)



# LORRY, 3-TON, 6-WH, MACHINERY "RE 7 $\frac{1}{2}$ -KW"

(3-ton, 6 x 6, 160 wb)

Manufacturer—General Motors.

Vehicle Code—C60X-MACH-7 $\frac{1}{2}$ .

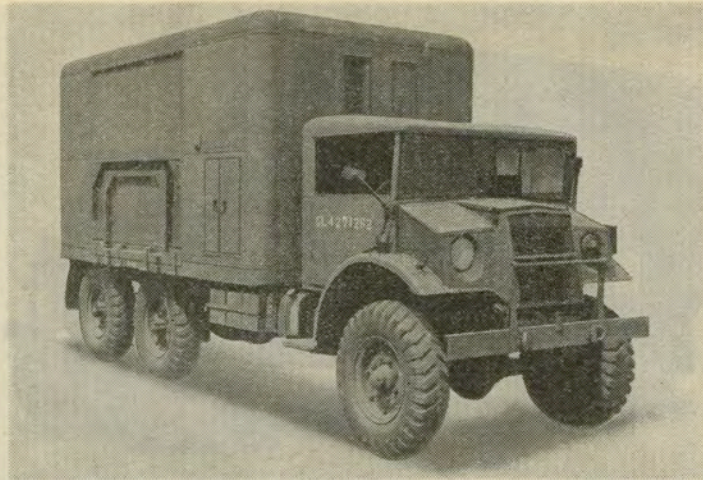


Photo shows ventilating doors for generating unit in bottom of right front body panel

**Operational Role**—Used by RCE for metal turning, drilling, cutting off as required during the repair of equipment held by engineer units in the field.

**Body Details**—House type, steel, length 14 ft, entrance door left front side, drop sides for work benches. Equipment includes hollow spindle lathe, portable drill, power hacksaw, bench grinder. Power for machine tools from dc generator driven by petrol engine.

## Performance

Bridge classification.....	(per MTP 74).....	9
Maximum gradability.....	(per cent).....	53
Turning circle (minimum).....	(ft).....	72
Angle of approach.....	(deg).....	60
Angle of departure.....	(deg).....	51
Fording depth.....	(ins).....	24
Fuel consumption (average).....	(mpg).....	4
Maximum speed.....	(mph).....	44

## Engine Details

Manufacturer.....	General Motors
Type.....	petrol, 4 cyc, 6 cyls in line
Size.....	bore (ins) 3 25/32, stroke (ins) 4
Power.....	100 bhp at (rpm) 3000
Ignition.....	battery (volts) 6
Capacity.....	fuel (gals) 42, water (qts) 16, oil (qts) 8

## Tire Details

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

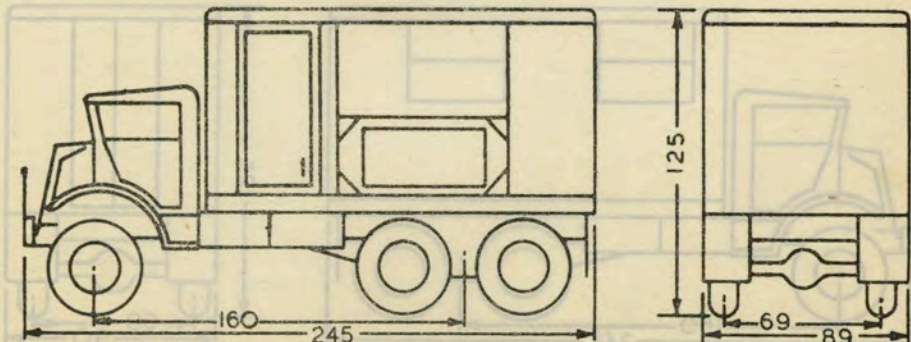
## Weight and Dimensions

Curb weight (front axle).....	(lbs).....	6125
Curb weight (rear axle).....	(lbs).....	13260
Laden weight (front axle).....	(lbs).....	6230
Laden weight (rear axle).....	(lbs).....	13890
Ground clearance (minimum).....	(ins).....	11
Wheelbase (front to rear).....	(ins).....	160
Shipping space (deck area).....	(sq ft).....	160
Shipping space (standing).....	(cu ft).....	1600
Dimensions overall.....	(see drawing below)	

## Publications Applying

Maintenance manual.....	WM-3851, M660-C1
Parts list.....	C60X-02
Waterproofing instrs (chassis).....	No. 65

## Additional Data





# LORRY, 3-TON, 6-WH, MACHINERY "Z"

(3-ton, 6 x 6, 160 wb)

Manufacturer—General Motors.

Vehicle Code—C60X-MACH-Z.

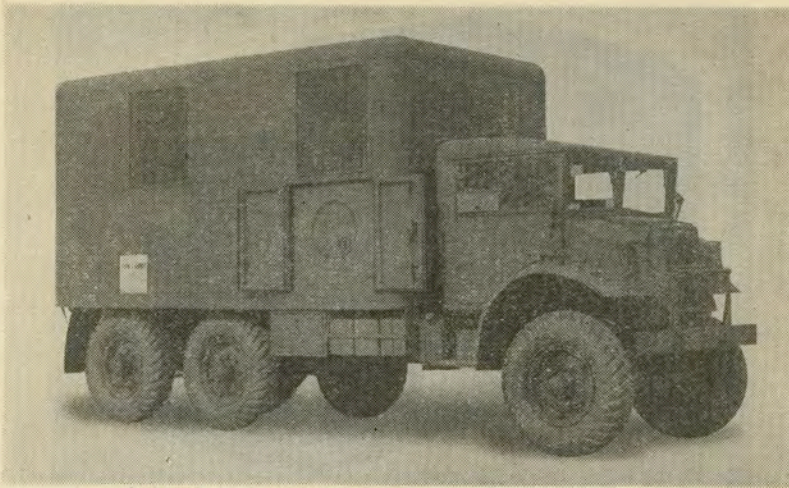


Photo shows generator engine ventilating doors in open position

**Operational Role**—Used by RCME for testing, maintaining and repairing wireless equipment for which purpose generator, test panels, etc. are installed. Used by RC Sigs (less test eqpt) for maintenance.

**Body Details**—House type, steel, length 14 ft, entrance by rear doors, ventilating windows. Equipment includes interference screening, 60 cyc generator driven by petrol engine, selenium charger, transformer, test panels, wavemeter, oscillograph, signal generators, etc.

## Performance

Bridge classification.....	(per MTP 74).....	9
Maximum gradability.....	(per cent).....	53
Turning circle (minimum).....	(ft).....	72
Angle of approach.....	(deg).....	60
Angle of departure.....	(deg).....	51
Fording depth.....	(ins).....	24
Fuel consumption (average).....	(mpg).....	4
Maximum speed.....	(mph).....	44

## Engine Details

Manufacturer.....	General Motors	
Type.....	petrol, 4 cyc, 6 cyls in line	
Size.....	bore (ins) 3 25/32, stroke (ins) 4	
Power.....	100 bhp at (rpm) 3000	
Ignition.....	battery (volts) 6	
Capacity.....	fuel (gals) 42, water (qts) 16, oil (qts) 8	

## Tire Details

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

## Weight and Dimensions

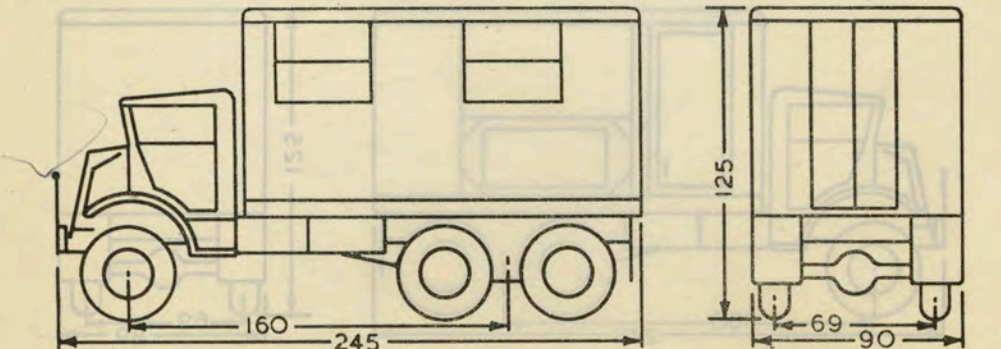
Curb weight (front axle).....	(lbs).....	5400
Curb weight (rear axle).....	(lbs).....	10100
Laden weight (front axle).....	(lbs).....	5530
Laden weight (rear axle).....	(lbs).....	10410
Ground clearance (minimum).....	(ins).....	11
Wheelbase (front to rear).....	(ins).....	160
Shipping space (deck area).....	(sq ft).....	160
Shipping space (standing).....	(cu ft).....	1600
Dimensions overall.....	(see drawing below)	

## Publications Applying

Maintenance manual.....	WM-3860, M660-C1
Parts list.....	C60X-02
Waterproofing instrs (chassis).....	No. 65

## Additional Data

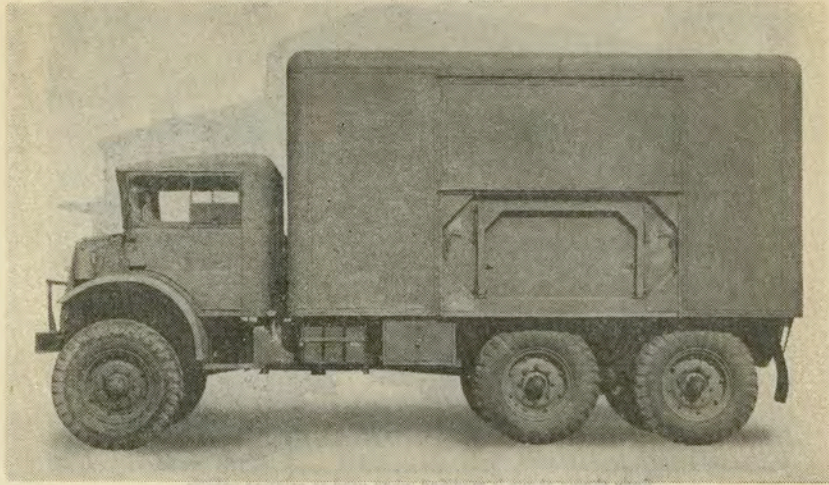
(New type, Mk II, 3-ton, 4x4, 158 wb, with 12 ft house type body, now in production.)



# LORRY, 3-TON, 6-WH, MOBILE PETROLEUM LABORATORY

(3-ton, 6 x 6, 160 wb)

Manufacturer—General Motors.



**Operational Role**—Used as a mobile POL chemical laboratory to check products of lost identity, to test captured enemy material, to check whether materials are up to specification and to follow up POL failures. Used by RCASC.

**Body Details**—House type, steel, length 14 ft. Equipment includes chemicals and glassware, balances, centrifuge, viscosimeter, muffle furnace, drying oven, refrigerator, water system, work benches and lockers. Power supply by interconnection with power trailer.

## Performance

Bridge classification.....	(per MTP 74)	9
Maximum gradability.....	(per cent)	53
Turning circle (minimum).....	(ft)	72
Angle of approach.....	(deg)	60
Angle of departure.....	(deg)	51
Fording depth.....	(ins)	24
Fuel consumption (average).....	(mpg)	4
Maximum speed.....	(mph)	44

## Engine Details

Manufacturer.....	General Motors	
Type.....	petrol, 4 cyc, 6 cyls in line	
Size.....	bore (ins) 3 25/32, stroke (ins) 4	
Power.....	100 bhp at (rpm) 3000	
Ignition.....	battery (volts) 6	
Capacity...fuel (gals) 42, water (qts) 16, oil (qts) 8		

## Tire Details

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

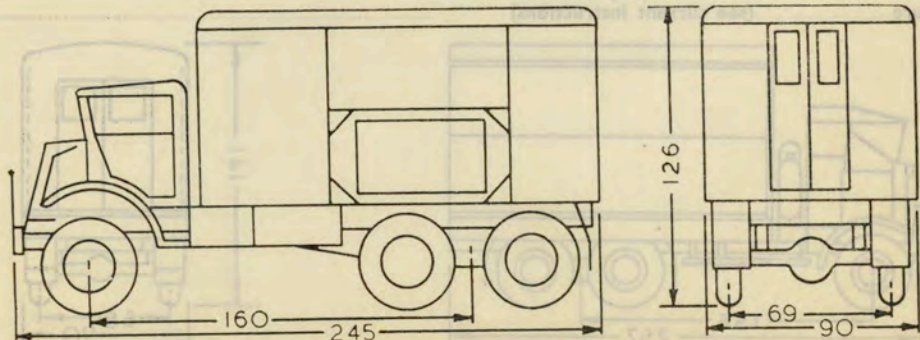
## Weight and Dimensions

Curb weight (front axle).....	(lbs)	6600
Curb weight (rear axle).....	(lbs)	13300
Laden weight (front axle).....	(lbs)	7000
Laden weight (rear axle).....	(lbs)	14000
Ground clearance (minimum).....	(ins)	11
Wheelbase (front to rear).....	(ins)	160
Shipping space (deck area).....	(sq ft)	160
Shipping space (standing).....	(cu ft)	1600
Dimensions overall.....	(see drawing below)	

## Publications Applying

Maintenance manual.....	M660-C1
Parts list.....	C60X-02
Waterproofing instrs (chassis).....	No. 65

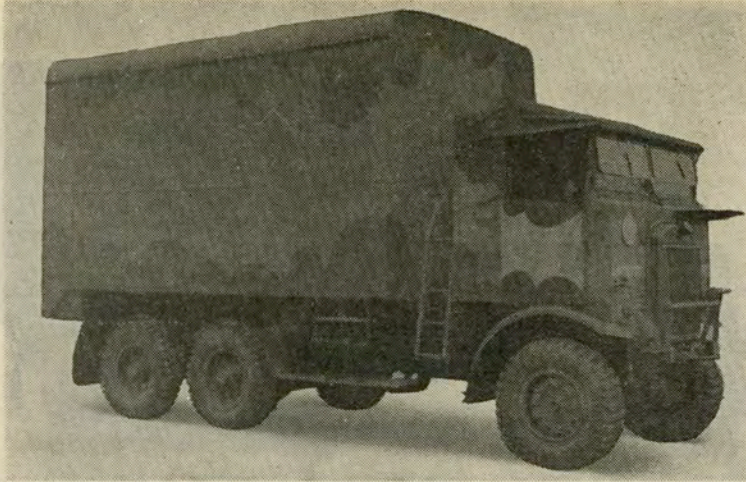
## Additional Data



# LORRY, 3-TON, 6-WH, PRINTING

(3-ton, 6 x 4, 156 wb)

Manufacturer—Leyland Motors Ltd



Body shown above is modified when used as printing vehicle

**Operational Role**—Used for transporting printing and typesetting machinery and equipment to provide mobile establishment for production of printed matter in the field. (Mobile Printing Section, RCASC, has 4 such lorries, operating at Army Group level.)

**Body Details**—House type, steel, length 15 ft, special sides open out to give increased floor space. No. 1 lorry has 2 Meihle presses. No. 2 lorry has monotype, composition and super casters. No. 3 lorry (compositor veh) has imposing stone, type cases, proof press. No. 4 lorry has paper folder, stitcher, guillotine. Power supply from 22-kw generator trailer.

## Performance

Bridge classification.....	(per MTP 74).....	9
Maximum gradability.....	(per cent).....	50
Turning circle (minimum).....	(ft).....	55
Angle of approach.....	(deg).....	60
Angle of departure.....	(deg).....	36
Fording depth.....	(ins).....	24
Fuel consumption (average).....	(mpg).....	7
Maximum speed.....	(mph).....	33

## Engine Details

Manufacturer.....	Leyland	
Type.....	petrol, 4 cyc, 4 cyls in line	
Size.....	bore (ins) 4 9/16, stroke (ins) 5 1/2	
Power.....	.73 bhp at (rpm) 2120	
Ignition.....	magneto	
Capacity... fuel (gals) 31, water (qts) 22, oil (qts) 11		

## Tire Details

Treads.....	front (ins) 71 1/2, rear (ins) 67 3/4
Size.....	(ins) 9.00 x 20
Pressure.....	(see current instructions)

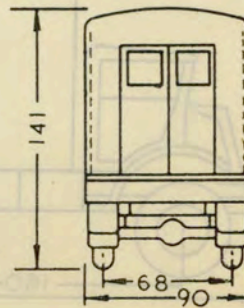
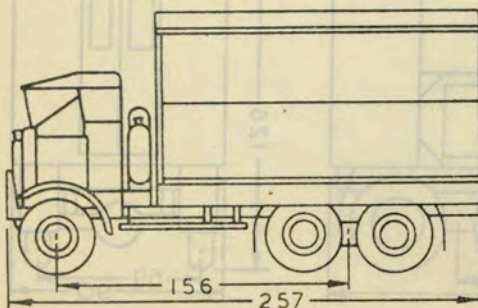
## Weight and Dimensions

Curb weight (front axle).....	(lbs).....	6400
Curb weight (rear axle).....	(lbs).....	13800
Laden weight (front axle).....	(lbs).....	6670
Laden weight (rear axle).....	(lbs).....	14400
Ground clearance (minimum).....	(ins).....	11
Wheelbase (front to rear).....	(ins).....	156
Shipping space (deck area).....	(sq ft).....	170
Shipping space (standing).....	(cu ft).....	2020
Dimensions overall.....	(see drawing below)	

## Publications Applying

Maintenance manual.....	(not available)
Parts list.....	VAOS LV7/LD
Waterproofing instrs (chassis).....	AC-96

## Additional Data

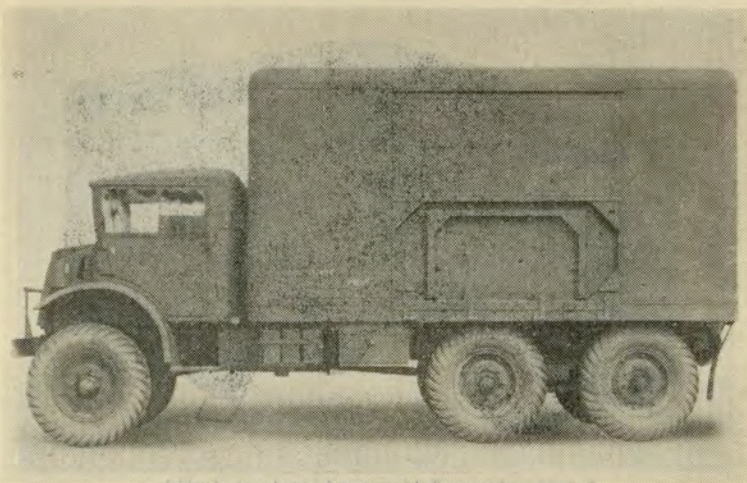


# TRUCK LORRY, 3-TON, 6-WH, STORES

(3-ton, 6 x 6, 160 wb)

Manufacturer—General Motors.

Vehicle Code—C60X M-STOR.



**Operational Role**—Used by RCASC workshop platoons, Ordnance field parks and 3rd echelon RCME for carriage of MT spare parts and similar stores that can be stowed on shelves and to carry records in regard to same. Better adapted for use in rear than forward areas.

**Body Details**—House type, steel, length 14 ft, rear doors, drop sides that when lowered can be used as tables for counting parts, etc. Overhead lighting either 110 or 6 volt battery emergency. Equipment includes 2 bins type X and 2 bins type Y for cartoned stores, 2 bins type Z for uncartoned stores, 2 overhead shelves, folding table, and record files.

## Performance

Bridge classification.....	(per MTP 74).....	9
Maximum gradability.....	(per cent).....	53
Turning circle (minimum).....	(ft).....	72
Angle of approach.....	(deg).....	60
Angle of departure.....	(deg).....	51
Fording depth.....	(ins).....	24
Fuel consumption (average).....	(mpg).....	4
Maximum speed.....	(mph).....	44

## Engine Details

Manufacturer.....	General Motors
Type.....	petrol, 4 cyc, 6 cyls in line
Size.....	bore (ins) 3 25/32, stroke (ins) 4
Power.....	100 bhp at (rpm) 3000
Ignition.....	battery (volts) 6
Capacity... fuel (gals) 42, water (qts) 16, oil (qts) 8	

## Tire Details

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

## Weight and Dimensions

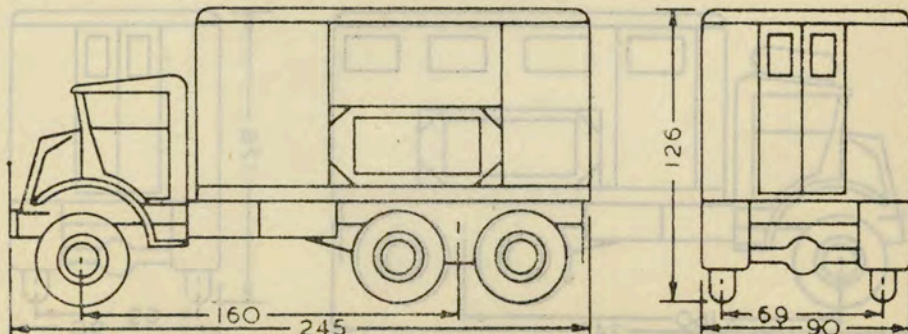
Curb weight (front axle).....	(lbs).....	5610
Curb weight (rear axle).....	(lbs).....	10350
Laden weight (front axle).....	(lbs).....	6500
Laden weight (rear axle).....	(lbs).....	14200
Ground clearance (minimum).....	(ins).....	11
Wheelbase (front to rear).....	(ins).....	160
Shipping space (deck area).....	(sq ft).....	160
Shipping space (standing).....	(cu ft).....	1600
Dimensions overall.....	(see drawing below)	

## Publications Applying

Maintenance manual.....	M660-C1
Parts list.....	C60X-02
Waterproofing instrs (chassis).....	No. 65

## Additional Data

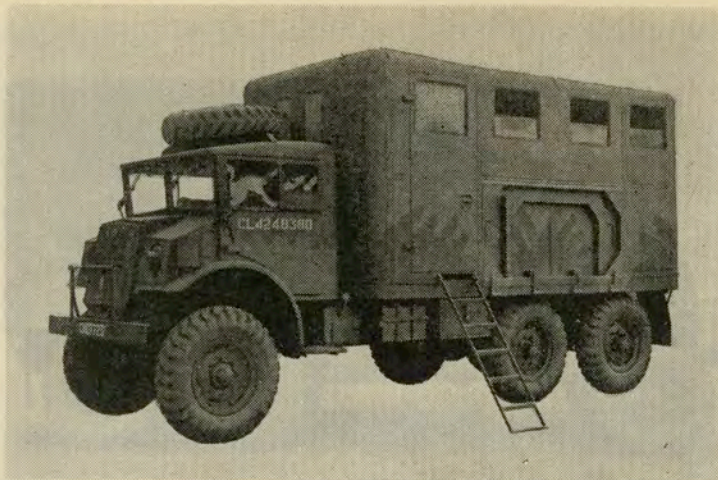
(New type, Mk II, 3-ton, 4 x 4, 158 wb, is being developed as standard design.)



# LORRY, 3-TON, 6-WH, SWITCHBOARD

(3-ton, 6 x 6, 160 wb)

Manufacturer—General Motors.



Switchboard is installed in centre forward part of vehicle

**Operational Role**—Used by RC Sigs at Army Headquarters as vehicle to carry switchboard for local lines thus relieving main switchboard of local calls. Used in conjunction with terminal equipment vehicle.

**Body Details**—Steel, house type, length 14 ft, entrance by side door, has windows. One drop side gives access to connections. Equipment includes 200 line switchboard with test frame. Calls can be connected through to main switchboard. Crew of 5 operators, 1 supervisor, 1 wireless and line mechanic.

## Performance

Bridge classification.....	(per MTP 74).....	9
Maximum gradability.....	(per cent).....	53
Turning circle (minimum).....	(ft).....	72
Angle of approach.....	(deg).....	60
Angle of departure.....	(deg).....	51
Fording depth.....	(ins).....	24
Fuel consumption (average).....	(mpg).....	4
Maximum speed.....	(mph).....	44

## Engine Details

Manufacturer.....	General Motors	
Type.....	petrol, 4 cyc, 6 cyls in line	
Size.....	bore (ins) 3 25/32,	stroke (ins) 4
Power.....	100 bhp at (rpm) 3000	
Ignition.....	battery (volts) 6	
Capacity...fuel (gals) 42,	water (qts) 16,	oil (qts) 8

## Tire Details

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

## Weight and Dimensions

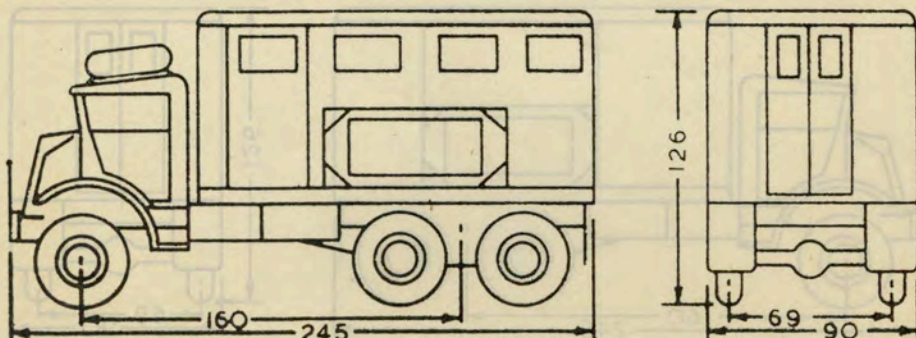
Curb weight (front axle).....	(lbs).....	6600
Curb weight (rear axle).....	(lbs).....	13300
Laden weight (front axle).....	(lbs).....	7000
Laden weight (rear axle).....	(lbs).....	14000
Ground clearance (minimum).....	(ins).....	11
Wheelbase (front to rear).....	(ins).....	160
Shipping space (deck area).....	(sq ft).....	160
Shipping space (standing).....	(cu ft).....	1600
Dimensions overall.....	(see drawing below)	

## Publications Applying

Maintenance manual.....	M660-C1
Parts list.....	C60X-02
Waterproofing instrs (chassis).....	No. 65

## Additional Data

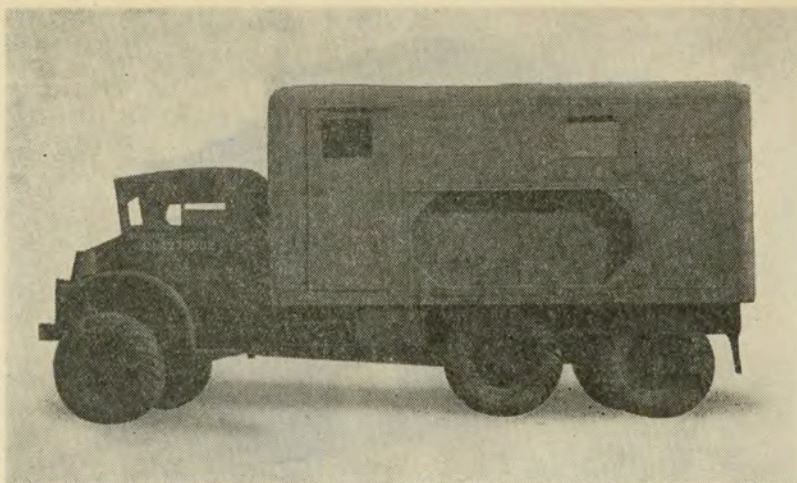
(Later production has 16 ft body, giving overall length of 269 ins.)



# LORRY, 3-TON, 6-WH, TEV ARMY

(Terminal equipment vehicle, 3-ton, 6 x 6, 160 wb)

**Manufacturer**—General Motors.



**Operational Role**—Used by RC Sigs at Army HQ under CSO Army as army telephone switchboard working forward to corps and back to L of C in conjunction with similar vehicle having local switchboard.

**Body Details**—Steel, house type, length 14 ft, entrance by side door, has windows. Equipment includes two 40 line switchboards, 1 teleprinter, carrier equipment, repeater equipment.

## Performance

Bridge classification.....	(per MTP 74).....	9
Maximum gradability.....	(per cent).....	53
Turning circle (minimum).....	(ft).....	72
Angle of approach.....	(deg).....	60
Angle of departure.....	(deg).....	51
Fording depth.....	(ins).....	24
Fuel consumption (average).....	(mpg).....	4
Maximum speed.....	(mph).....	44

## Engine Details

Manufacturer.....	General Motors	
Type.....	petrol, 4 cyc, 6 cyls in line	
Size.....	bore (ins) 3 25/32, stroke (ins) 4	
Power.....	100 bhp at (rpm) 3000	
Ignition.....	battery (volts) 6	
Capacity...fuel (gals) 42, water (qts) 16, oil (qts) 8		

## Tire Details

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

## Weight and Dimensions

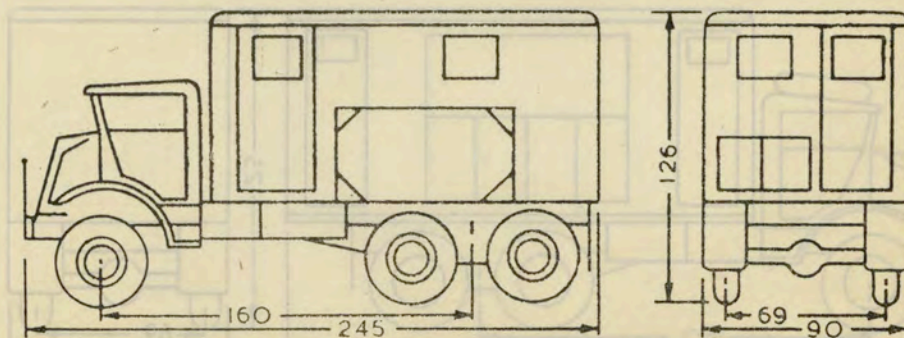
Curb weight (front axle).....	(lbs).....	6600
Curb weight (rear axle).....	(lbs).....	13300
Laden weight (front axle).....	(lbs).....	7000
Laden weight (rear axle).....	(lbs).....	14000
Ground clearance (minimum).....	(ins).....	11
Wheelbase (front to rear).....	(ins).....	160
Shipping space (deck area).....	(sq ft).....	160
Shipping space (standing).....	(cu ft).....	1600
Dimensions overall.....	(see drawing below)	

## Publications Applying

Maintenance manual.....	M660-C1
Parts list.....	C60X-02
Waterproofing instrs (chassis).....	No. 65

## Additional Data

(This vehicle being replaced by 3-ton, 6-wh, TEV, which has 16 ft body.)



# LORRY, 3-TON, 6-WH, TEV

(3-ton, 6 x 6, 160 wb)

Manufacturer—General Motors.

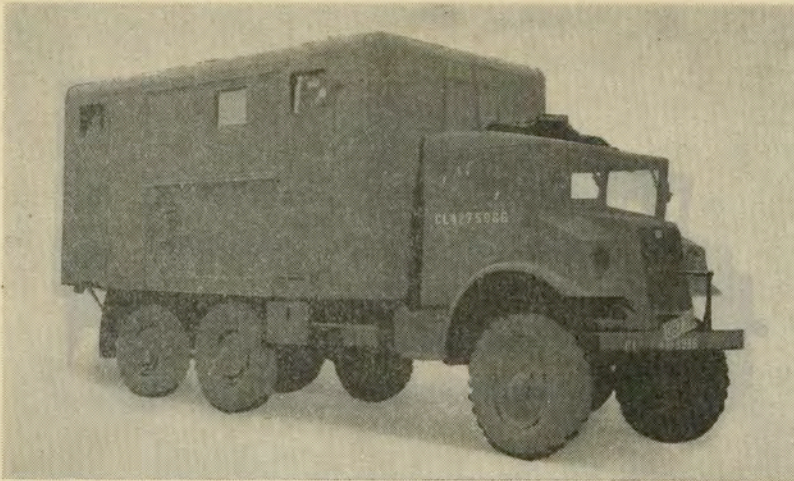


Photo shows feed-in and distribution outlets on offside of body and tire carrier on cab roof

**Operational Role**—Used by RC Sigs at Army and Corps HQ to carry tele swbd and accessory carrier, repeater and test eqpt. Veh constitutes trunk line swbd being largely relieved of local calls by an adjacent Lorry, 3-ton, Switchboard. (Army and Corps vehs identical except for line eqpt.)

**Body Details**—Steel, house type, length 16 ft. Eqpt that can be carried includes three 40 line swbds, 120-pair test frame, test teleprinter, line eqpt. Can carry crew of 3 swbd ops, 1 line mech, 1 teleprinter op, 1 supervisor. Power from 9-kva, 230 volt ac generator-trailer.

## Performance

Bridge classification.....	(per MTP 74).....	9
Maximum gradability.....	(per cent).....	53
Turning circle (minimum).....	(ft).....	72
Angle of approach.....	(deg).....	60
Angle of departure.....	(deg).....	25
Fording depth.....	(ins).....	24
Fuel consumption (average).....	(mpg).....	4
Maximum speed.....	(mph).....	44

## Engine Details

Manufacturer.....	General Motors	
Type.....	petrol, 4 cyc, 6 cyls in line	
Size.....	bore (ins) 3 25/32, stroke (ins) 4	
Power.....	100 bhp at (rpm) 3000	
Ignition.....	battery (volts) 6	
Capacity.....	fuel (gals) 42, water (qts) 16, oil (qts) 8	

## Tire Details

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

## Weight and Dimensions

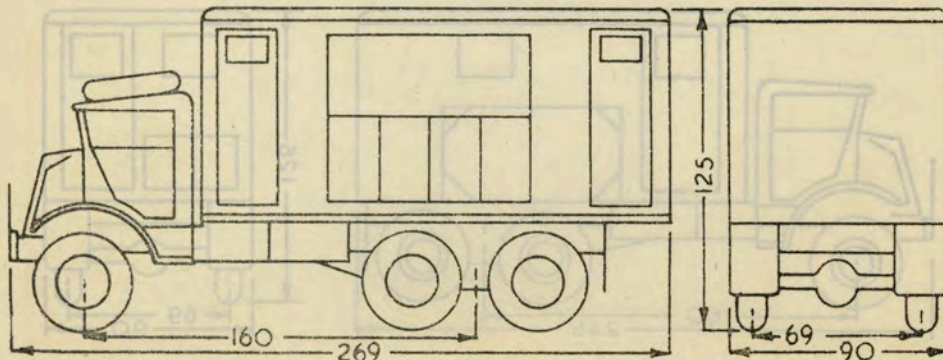
Curb weight (front axle).....	(lbs).....	6600
Curb weight (rear axle).....	(lbs).....	13300
Laden weight (front axle).....	(lbs).....	7000
Laden weight (rear axle).....	(lbs).....	14000
Ground clearance (minimum).....	(ins).....	11
Wheelbase (front to rear).....	(ins).....	160
Shipping space (deck area).....	(sq ft).....	170
Shipping space (standing).....	(cu ft).....	1750
Dimensions overall.....	(see drawing below)	

## Publications Applying

Maintenance manual.....	M660-C1
Parts list.....	C60X-02
Waterproofing instrs (chassis).....	No. 65

## Additional Data

(Body is a modified 14-ft Lindsay. Brit eqpt installed. This veh replacing similar TEV Corps and TEV Army vehs now in use.)



# LORRY, 3-TON, 6-WH, X-RAY

(3-ton, 6 x 4; 160 wb) (Color)

Manufacturer—Ford Motor Co.



Photo shows roller skid for running out generator on offside behind cab

**Operational Role**—Used by RCAMC for X-ray examination of personnel as necessitated by wounds, fractures, etc., and in that capacity can go forward with CCS although normally in Corps or Army area.

**Body Details**—House type, Brit built, wood, length 14 ft, side and rear doors, windows, ventilators. Equipment includes normal X-ray apparatus with film developing equipment and petrol driven generator for electricity supply. Generator can be operated outside body when run out on special roller skid.

## Performance

Bridge classification.....	(per MTP 74)	8
Maximum gradability.....	(per cent)	53
Turning circle (minimum).....	(ft)	74
Angle of approach.....	(deg)	60
Angle of departure.....	(deg)	51
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) 24, water (qts) 23, oil (qts) 4

## Tire Details

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

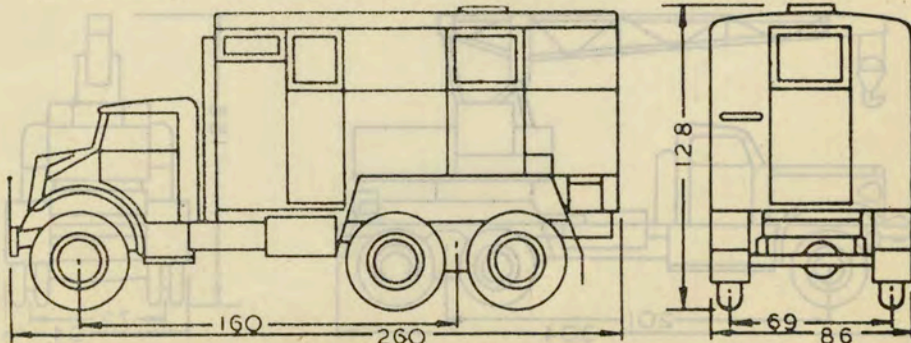
## Weight and Dimensions

Curb weight (front axle).....	(lbs)	5830
Curb weight (rear axle).....	(lbs)	11260
Laden weight (front axle).....	(lbs)	6360
Laden weight (rear axle).....	(lbs)	11870
Ground clearance (minimum).....	(ins)	9
Wheelbase (front to rear).....	(ins)	160
Shipping space (deck area).....	(sq ft)	160
Shipping space (standing).....	(cu ft)	1660
Dimensions overall.....	(see drawing below)	

## Publications Applying

Maintenance manual.....	MB-F1
Parts list.....	SE-39-42
Waterproofing instrs (chassis).....	No. 44

## Additional Data



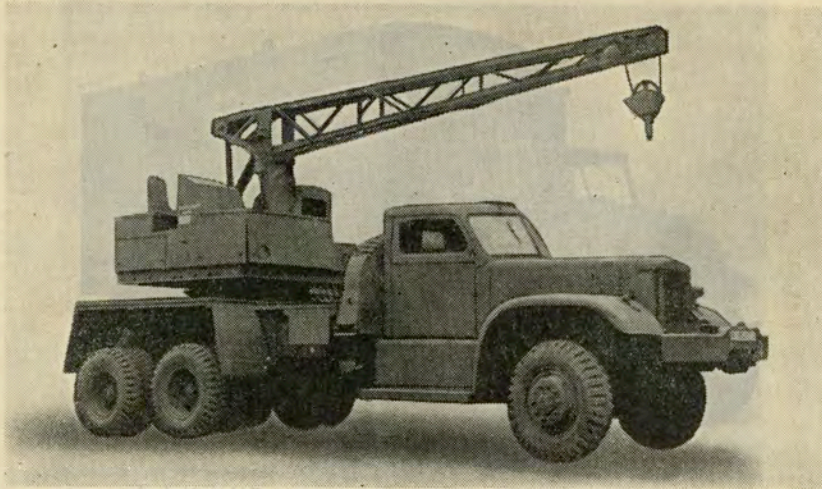


# LORRY, 4-TON, 6-WH, CRANE, MARK VI

(Coles Crane, 4-ton, 6 x 6, 201 wb)

Manufacturer—Diamond T Motor Car Co.

Vehicle Code—80661-C-CRANE-I.



**Operational Role**—Used by RCE for general lifting work required during bridging and other construction operations also in engineer stores depots, field parks, mechanical equipment parks and railway operating groups.

**Body Details**—Steel, special design, mounted on turntable at rear of chassis. Coles crane has 3 tons maximum capacity, 17 ft maximum radius, 16½ ft maximum lift. Powered by electric motors supplied from engine-driven generator.

## Performance

Bridge classification.....(per MTP 74).....	9
Maximum gradability.....(per cent).....	65
Turning circle (minimum).....(ft).....	77
Angle of approach.....(deg).....	37
Angle of departure.....(deg).....	39
Fording depth.....(ins).....	24
Fuel consumption (average).....(mpg).....	3
Maximum speed.....(mph).....	40

## Engine Details

Manufacturer.....	Hercules
Type.....	petrol, 4 cyc, 6 cyls in line
Size.....	bore (ins) 4⅝, stroke (ins) 5½
Power.....	131 bhp at (rpm) 2300
Ignition.....	battery (volts) 6
Capacity... fuel (gals) 48, water (qts) 37, oil (qts) 12	

## Tire Details

Treads.....	front (ins) 73½, rear (ins) 72
Size.....	(ins) 9.00 x 20
Pressure.....	(see current instructions)

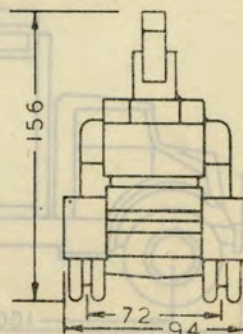
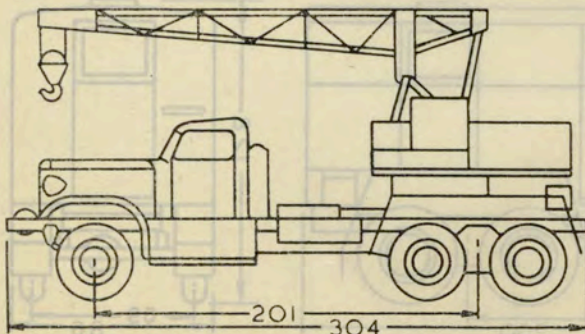
## Weight and Dimensions

Curb weight (front axle).....(lbs).....	7650
Curb weight (rear axle).....(lbs).....	7200
Laden weight (front axle).....(lbs).....	8200
Laden weight (rear axle).....(lbs).....	7700
Ground clearance (minimum).....(ins).....	11
Wheelbase (front to rear).....(ins).....	201
Shipping space (deck area).....(sq ft).....	210
Shipping space (standing).....(cu ft).....	2300
Dimensions overall.....(see drawing below)	

## Publications Applying

Maintenance manual.....	C661-DT1
Parts list.....	969B-01
Waterproofing instrs (chassis).....	AC-104

## Additional Data

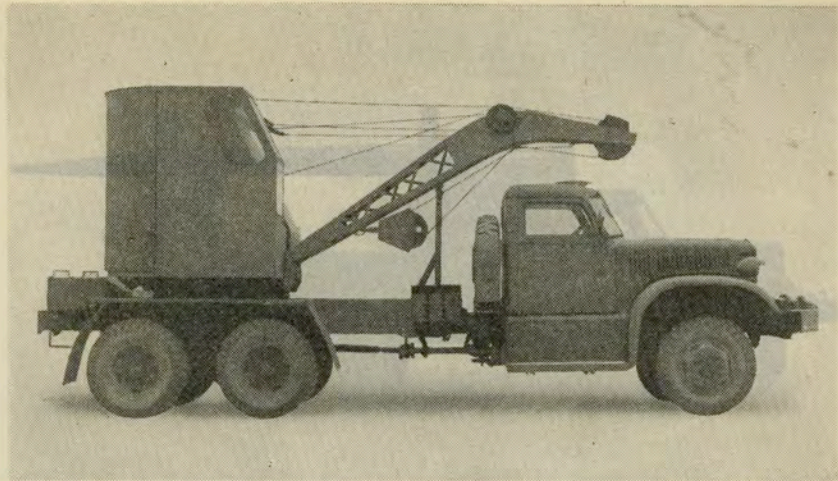


# LORRY, 4-TON, 6-WH, CRANE, MARK VII

(Bay City Crane, 4-ton, 6 x 6, 201 wb)

Manufacturer—Diamond T Motor Car Co.

Vehicle Code—80661-C-CRANE-2.



**Operational Role**—Used by RCE for general lifting work required during bridging and other construction operations also in engineer stores depots, field parks, mechanical equipment parks and railway operating groups.

**Body Details**—Steel, special design, mounted on turntable at rear of chassis. Bay City crane has 4½ tons maximum capacity, 13 ft maximum radius. Equipped with front winch. Powered by watercooled petrol engine which is geared to winding drums.

## Performance

Bridge classification.....	(per MTP 74).....	12
Maximum gradability.....	(per cent).....	65
Turning circle (minimum).....	(ft).....	77
Angle of approach.....	(deg).....	37
Angle of departure.....	(deg).....	39
Fording depth.....	(ins).....	24
Fuel consumption (average).....	(mpg).....	3
Maximum speed.....	(mph).....	40

## Engine Details

Manufacturer.....	Hercules
Type.....	petrol, 4 cyc, 6 cyls in line
Size.....	bore (ins) 4⅝, stroke (ins) 5½
Power.....	131 bhp at (rpm) 2300
Ignition.....	battery (volts) 6
Capacity...fuel (gals) 48, water (qts) 37, oil (qts) 12	

## Tire Details

Treads.....	front (ins) 73¾, rear (ins) 72
Size.....	(ins) 9.00 x 20
Pressure.....	(see current instructions)

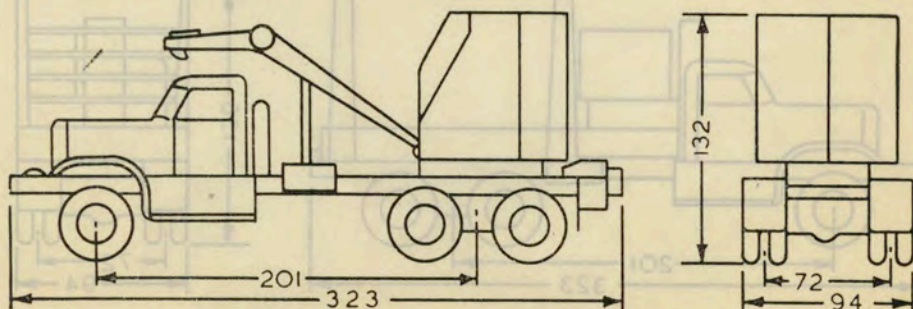
## Weight and Dimensions

Curb weight (front axle).....	(lbs).....	8400
Curb weight (rear axle).....	(lbs).....	8100
Laden weight (front axle).....	(lbs).....	9000
Laden weight (rear axle).....	(lbs).....	8600
Ground clearance (minimum).....	(ins).....	11
Wheelbase (front to rear).....	(ins).....	201
Shipping space (deck area).....	(sq ft).....	210
Shipping space (standing).....	(cu ft).....	2300
Dimensions overall.....	(see drawing below)	

## Publications Applying

Maintenance manual.....	WM-3919, C661-DTI
Parts list.....	969B-01
Waterproofing instrs (chassis).....	AC-104

## Additional Data

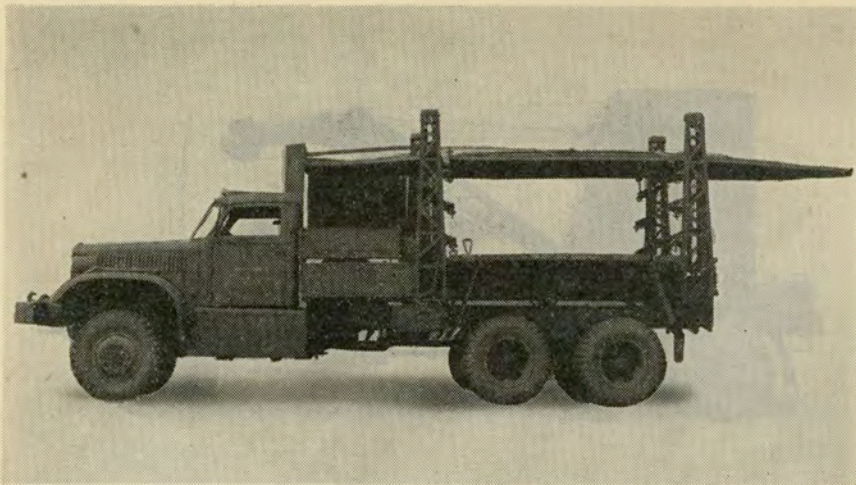


# LORRY, 4-TON, 6-WH, FBE

(4-ton, 6 x 6, 201 wb)

Manufacturer—Diamond T Motor Car Co.

Vehicle Code—80661-C-FBE.



**Operational Role**—Used in folding boat equipment platoon of RCASC bridging company to carry 3 folding boats. Same vehicle also carries landing stage equipment.

**Body Details**—All steel, special design, lockers for tools and spare parts. Loading is done by raising and lowering the boats by hand winches in the 4 corner stanchions.

**Performance**

Bridge classification.....(per MTP 74).....	12
Maximum gradability.....(per cent).....	65
Turning circle (minimum).....(ft).....	77
Angle of approach.....(deg).....	37
Angle of departure.....(deg).....	46
Fording depth.....(ins).....	24
Fuel consumption (average).....(mpg).....	3
Maximum speed.....(mph).....	40

**Engine Details**

Manufacturer.....	Hercules
Type.....	petrol, 4 cyc, 6 cyls, in line
Size.....	bore (ins) $4\frac{5}{8}$ , stroke (ins) $5\frac{1}{2}$
Power.....	131 bhp at (rpm) 2300
Ignition.....	battery (volts) 6
Capacity...fuel (gals) 48, water (qts) 37, oil (qts) 12	

**Tire Details**

Treads.....	front (ins) $73\frac{3}{4}$ , rear (ins) 72
Size.....	(ins) 9.00 x 20
Pressure.....	(see current instructions)

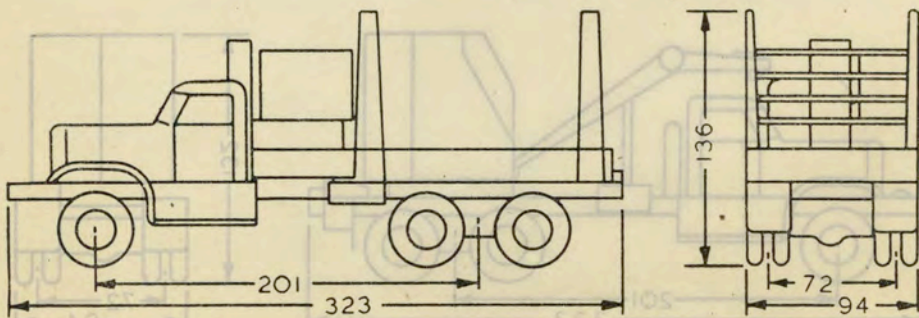
**Weight and Dimensions**

Curb weight (front axle).....(lbs).....	7600
Curb weight (rear axle).....(lbs).....	9300
Laden weight (front axle).....(lbs).....	8200
Laden weight (rear axle).....(lbs).....	18000
Ground clearance (minimum).....(ins).....	11
Wheelbase (front to rear).....(ins).....	201
Shipping space (deck area).....(sq ft).....	210
Shipping space (standing).....(cu ft).....	2400
Dimensions overall.....(see drawing below)	

**Publications Applying**

Maintenance manual.....	C661-DTI
Parts list.....	969B-01
Waterproofing instrs (chassis).....	AC-104

**Additional Data**



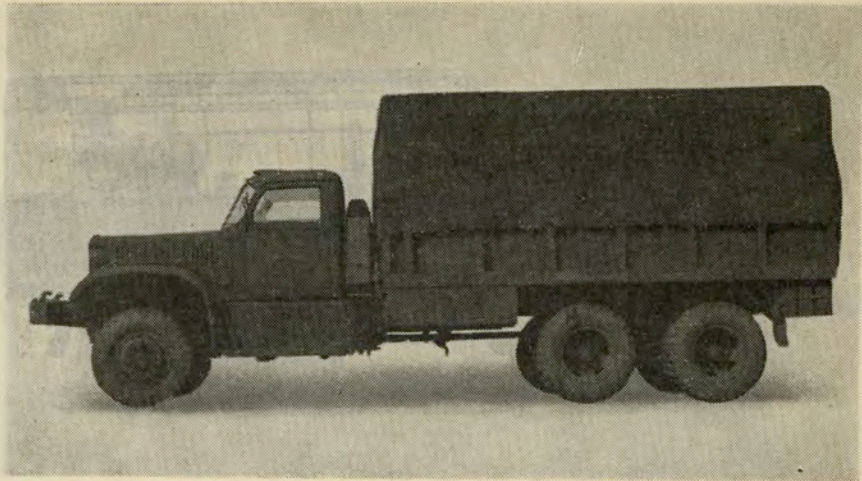


# LORRY, 4-TON, 6-WH, GS

(4-ton, 6 x 6, 201 wb)

Manufacturer—Diamond T Motor Car Co.

Vehicle Code—80661-C-GS.



**Operational Role**—Used by RCASC bridge companies to transport girders and bridging, including raft equipment and Bailey bridge equipment also by RC Sigs railway sags units in line maintenance sections, being well adapted to above roles because of long body.

**Body Details**—All steel, welded, length 15 ft, flat platform, hinged tail-gate, superstructure, tarpaulin, air brakes. Body fittings include rifle racks in cab, pick-axe and shovel holders, POW carriers, 2 spare wheels, tool boxes, tow rope, pintle hook, log book. Some have soft top cab.

### Performance

Bridge classification.....	(per MTP 74).....	11
Maximum gradability.....	(per cent).....	65
Turning circle (minimum).....	(ft).....	77
Angle of approach.....	(deg).....	37
Angle of departure.....	(deg).....	39
Fording depth.....	(ins).....	24
Fuel consumption (average).....	(mpg).....	3
Maximum speed.....	(mph).....	40

### Engine Details

Manufacturer.....	Hercules
Type.....	petrol, 4 cyc, 6 cyls in line
Size.....	bore (ins) 4 $\frac{3}{8}$ , stroke (ins) 5 $\frac{1}{2}$
Power.....	131 bhp at (rpm) 2300
Ignition.....	battery (volts) 6
Capacity...fuel (gals) 48, water (qts) 37, oil (qts) 12	

### Tire Details

Treads.....	front (ins) 73 $\frac{3}{4}$ , rear dual (ins) 72
Size.....	(ins) 9.00 x 20
Pressure.....	(see current instructions)

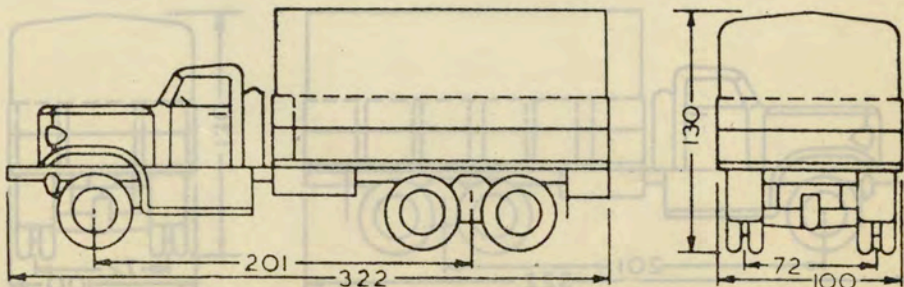
### Weight and Dimensions

Curb weight (front axle).....	(lbs).....	7470
Curb weight (rear axle).....	(lbs).....	10300
Laden weight (front axle).....	(lbs).....	9300
Laden weight (rear axle).....	(lbs).....	14500
Ground clearance (minimum).....	(ins).....	11
Wheelbase (front to rear).....	(ins).....	201
Shipping space (deck area).....	(sq ft).....	220
Shipping space (standing).....	(cu ft).....	2150
Dimensions overall.....	(see drawing below)	

### Publications Applying

Maintenance manual.....	C666-DT1
Parts list.....	969B-01
Waterproofing instrs (chassis).....	AC-104

### Additional Data



# LORRY, 4-TON, 6-WH, MACHINERY "H"

(4-ton, 6 x 6, 201 wb)

Manufacturer—Diamond T Motor Car Co.

Vehicle Code—80661-C-MACH-H.

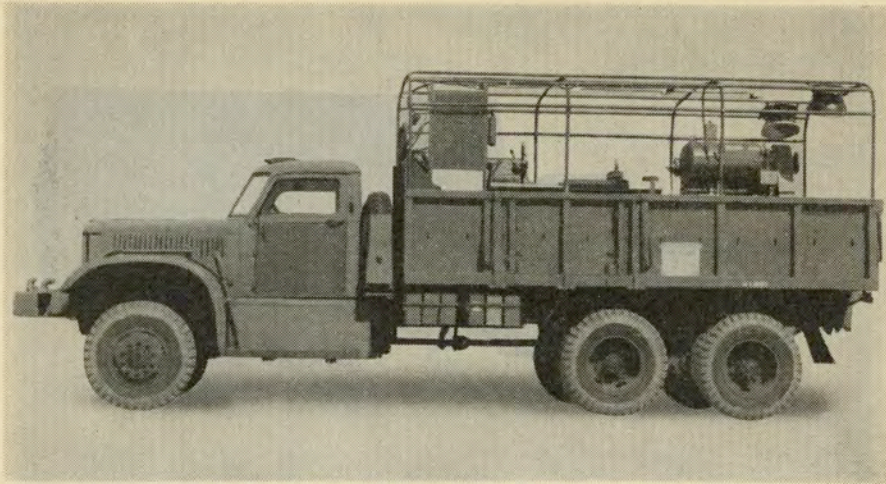


Photo shows tarpaulin removed from tubular superstructure

**Operational Role**—Used by RCEME workshops in rear echelons for metal turning, screw cutting and allied operations done on heavy duty lathe.

**Body Details**—Has 15 ft GS body, tubular superstructure, tarpaulin, drop sides forming work benches. Equipment includes heavy duty gap bed hollow spindle lathe and accessories, bench grinder, vices, hand tools. Power supply by cable connection to power trailer.

## Performance

Bridge classification.....(per MTP 74).....	12
Maximum gradability.....(per cent).....	65
Turning circle (minimum).....(ft).....	77
Angle of approach.....(deg).....	37
Angle of departure.....(deg).....	39
Fording depth.....(ins).....	24
Fuel consumption (average).....(mpg).....	3
Maximum speed.....(mph).....	40

## Engine Details

Manufacturer.....	Hercules
Type.....	petrol, 4 cyc, 6 cyls in line
Size.....	bore (ins) $4\frac{3}{8}$ , stroke (ins) $5\frac{1}{2}$
Power.....	131 bhp at (rpm) 2300
Ignition.....	battery (volts) 6
Capacity... fuel (gals) 48, water (qts) 37, oil (qts) 12	

## Tire Details

Treads.....	front (ins) $73\frac{3}{4}$ , rear (ins) 72
Size.....	(ins) 9.00 x 20
Pressure.....	(see current instructions)

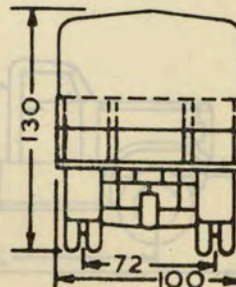
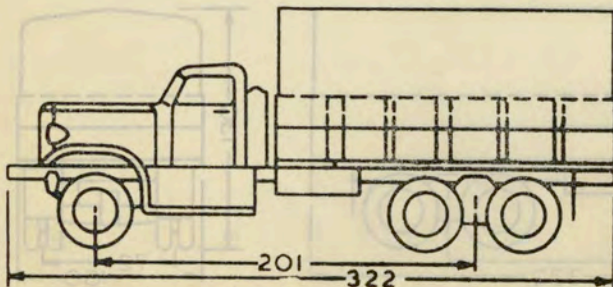
## Weight and Dimensions

Curb weight (front axle).....(lbs).....	7800
Curb weight (rear axle).....(lbs).....	17600
Laden weight (front axle).....(lbs).....	8700
Laden weight (rear axle).....(lbs).....	18300
Ground clearance (minimum).....(ins).....	11
Wheelbase (front to rear).....(ins).....	201
Shipping space (deck area).....(sq ft).....	220
Shipping space (standing).....(cu ft).....	2200
Dimensions overall.....(see drawing below)	

## Publications Applying

Maintenance manual.....	WM-3857, C661-DT1
Parts list.....	969B-01
Waterproofing instrs (chassis).....	AC-104

## Additional Data



# LORRY, 4-TON, 6-WH, MACHINERY "M"

(4-ton, 6 x 6, 201 wb)

Manufacturer—Diamond T Motor Car Co.

Vehicle Code—80661-C-MACH-M.

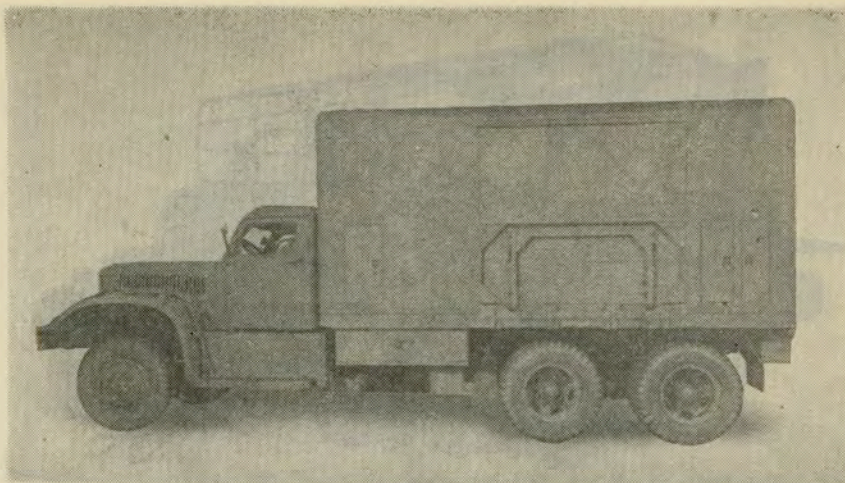


Photo shows ventilating door charger set left front and ventilating doors main generator left rear panel

**Operational Role**—Used by RCEME and by RCASC workshops for mechanical repairs of automotive components and parts thereof including battery charging and paint spraying.

**Body Details**—House type, steel, length 15 ft, rear entrance door, drop sides for work benches. Equipment includes bench lathe, paint sprayer, valve grinder and refacer, pinhole grinder, bench grinder and brake re-liner, battery charger with petrol engine. Power for lorry tools from engine-driven generator.

## Performance

Bridge classification.....(per MTP 74).....	12
Maximum gradability.....(per cent).....	65
Turning circle (minimum).....(ft).....	77
Angle of approach.....(deg).....	37
Angle of departure.....(deg).....	39
Fording depth.....(ins).....	24
Fuel consumption (average).....(mpg).....	3
Maximum speed.....(mph).....	40

## Engine Details

Manufacturer.....	Hercules
Type.....	petrol, 4 cyc, 6 cyls in line
Size.....	bore (ins) $4\frac{5}{8}$ , stroke (ins) $5\frac{1}{2}$
Power.....	131 bhp at (rpm) 2300
Ignition.....	battery (volts) 6
Capacity.....	fuel (gals) 48, water (qts) 37, oil (qts) 12

## Tire Details

Treads.....	front (ins) $73\frac{3}{4}$ , rear (ins) 72
Size.....	(ins) 9.00 x 20
Pressure.....	(see current instructions)

## Weight and Dimensions

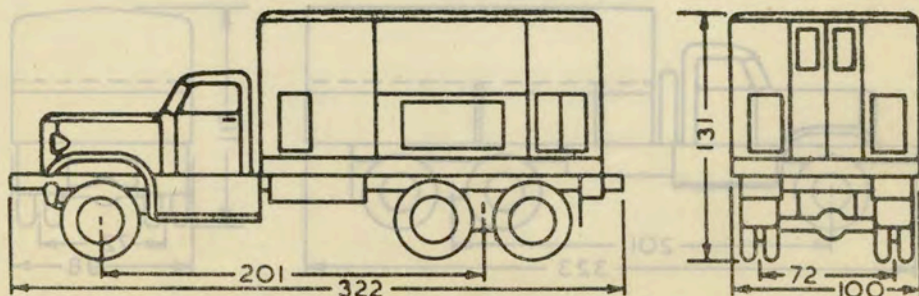
Curb weight (front axle).....(lbs).....	8200
Curb weight (rear axle).....(lbs).....	17600
Laden weight (front axle).....(lbs).....	8700
Laden weight (rear axle).....(lbs).....	18300
Ground clearance (minimum).....(ins).....	11
Wheelbase (front to rear).....(ins).....	201
Shipping space (deck area).....(sq ft).....	230
Shipping space (standing).....(cu ft).....	2250
Dimensions overall.....	(see drawing below)

## Publications Applying

Maintenance manual.....	WM-3862, C661-DT1
Parts list.....	969B-01
Waterproofing instrs (chassis).....	AC-104

## Additional Data

(New type, Mk II, 3-ton, 4 x 4, 158 wb, tubular superstructure and tarpaulin, now in production.)



# LORRY, 4-TON, 6-WH, MACHINERY "RE 25-KW"

(4-ton, 6 x 6, 201 wb)

Manufacturer—Diamond T Motor Car Co.

Vehicle Code—80661-C-MACH-E25.

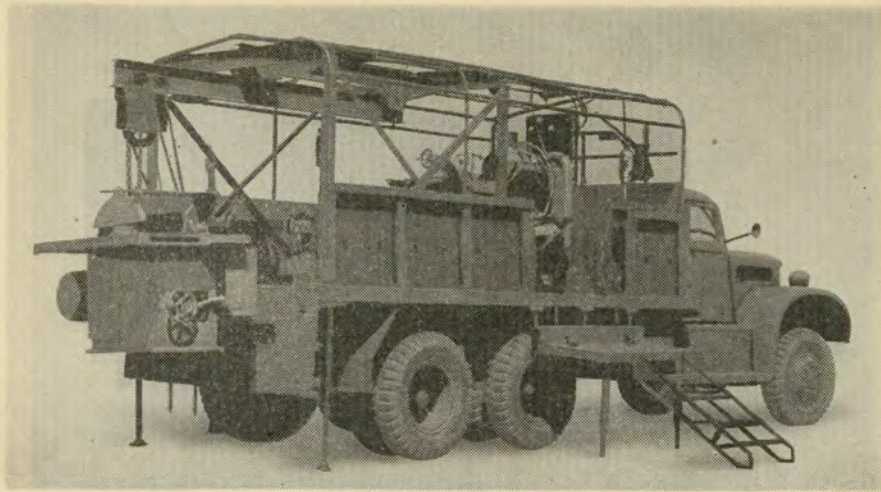


Photo shows circular saw being lowered for ground operation

**Operational Role**—Used by RCE for the repair of equipment held by engineer units. Metal working, wood sawing and pipe tools are installed. Power supply and welder on separate trailer. (See page 162.)

**Body Details**—Has 15 ft GS body, tubular superstructure, tarpaulin, monorail and chain block. Machinery includes lathe, drill, grinder and circular saw which is lowered by chain block for ground operation.

## Performance

Bridge classification.....	(per MTP 74).....	12
Maximum gradability.....	(per cent).....	65
Turning circle (minimum).....	(ft).....	77
Angle of approach.....	(deg).....	37
Angle of departure.....	(deg).....	39
Fording depth.....	(ins).....	24
Fuel consumption (average).....	(mpg).....	3
Maximum speed.....	(mph).....	40

## Engine Details

Manufacturer.....	Hercules
Type.....	petrol, 4 cyc, 6 cyls in line
Size.....	bore (ins) $4\frac{3}{8}$ , stroke (ins) $5\frac{1}{2}$
Power.....	131 bhp at (rpm) 2300
Ignition.....	battery (volts) 6
Capacity... fuel (gals) 48, water (qts) 37, oil (qts) 12	

## Tire Details

Treads.....	front (ins) $73\frac{3}{4}$ , rear (ins) 72
Size.....	(ins) 9.00 x 20
Pressure.....	(see current instructions)

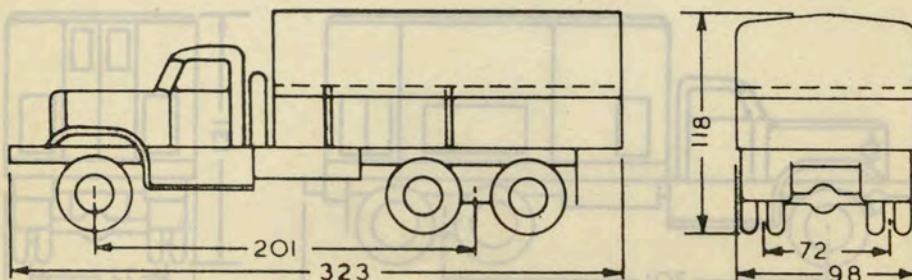
## Weight and Dimensions

Curb weight (front axle).....	(lbs).....	7800
Curb weight (rear axle).....	(lbs).....	17600
Laden weight (front axle).....	(lbs).....	8000
Laden weight (rear axle).....	(lbs).....	18200
Ground clearance (minimum).....	(ins).....	11
Wheelbase (front to rear).....	(ins).....	201
Shipping space (deck area).....	(sq ft).....	220
Shipping space (standing).....	(cu ft).....	2200
Dimensions overall.....	(see drawing below)	

## Publications Applying

Maintenance manual.....	WM-3846, C661-DT1
Parts list.....	969B-01
Waterproofing instrs (chassis).....	AC-104

## Additional Data



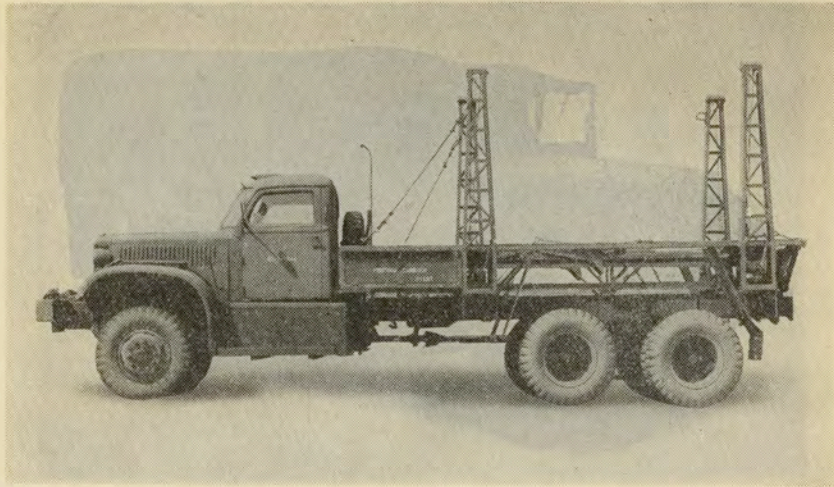


# LORRY, 4-TON, 6-WH, PONTOON

(4-ton, 6 x 6, 201 wb)

Manufacturer—Diamond T Motor Car Co.

Vehicle Code—80661-C-PONT.



**Operational Role**—Used in pontoon platoon of RCASC bridging company to carry either 2 bow pontoons or 2 centre pontoons of Bailey bridge or Bailey rafts.

**Body Details**—All steel, special design, lockers for tools and spare parts. Loading is done by raising and lowering the pontoons by hand winches in the 4 corner stanchions.

## Performance

Bridge classification.....(per MTP 74).....	11
Maximum gradability.....(per cent).....	65
Turning circle (minimum).....(ft).....	77
Angle of approach.....(deg).....	37
Angle of departure.....(deg).....	46
Fording depth.....(ins).....	24
Fuel consumption (average).....(mpg).....	3
Maximum speed.....(mph).....	40

## Engine Details

Manufacturer.....	Hercules
Type.....	petrol, 4 cyc, 6 cyls in line
Size.....	bore (ins) $4\frac{3}{8}$ , stroke (ins) $5\frac{1}{2}$
Power.....	131 bhp at (rpm) 2300
Ignition.....	battery (volts) 6
Capacity...fuel (gals) 48, water (qts) 37, oil (qts) 12	

## Tire Details

Treads.....	front (ins) $73\frac{3}{4}$ , rear (ins) 72
Size.....	(ins) $9.00 \times 20$
Pressure.....	(see current instructions)

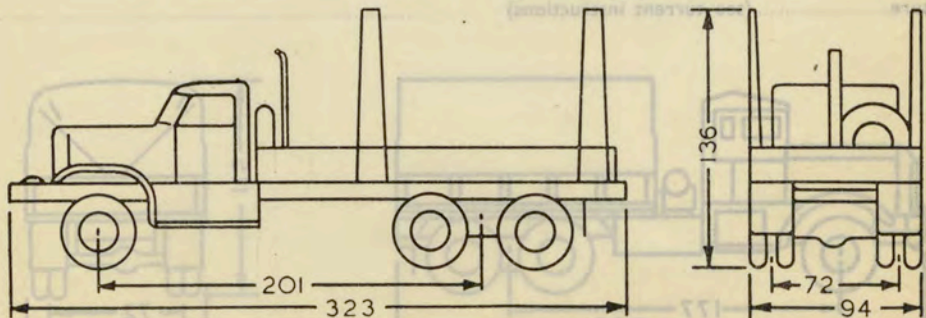
## Weight and Dimensions

Curb weight (front axle).....(lbs).....	8280
Curb weight (rear axle).....(lbs).....	9800
Laden weight (front axle).....(lbs).....	8300
Laden weight (rear axle).....(lbs).....	15500
Ground clearance (minimum).....(ins).....	11
Wheelbase (front to rear).....(ins).....	201
Shipping space (deck area).....(sq ft).....	210
Shipping space (standing).....(cu ft).....	2400
Dimensions overall.....(see drawing below)	

## Publications Applying

Maintenance manual.....	C661-DT1
Parts list.....	969B-01
Waterproofing instrs (chassis).....	AC-104

## Additional Data

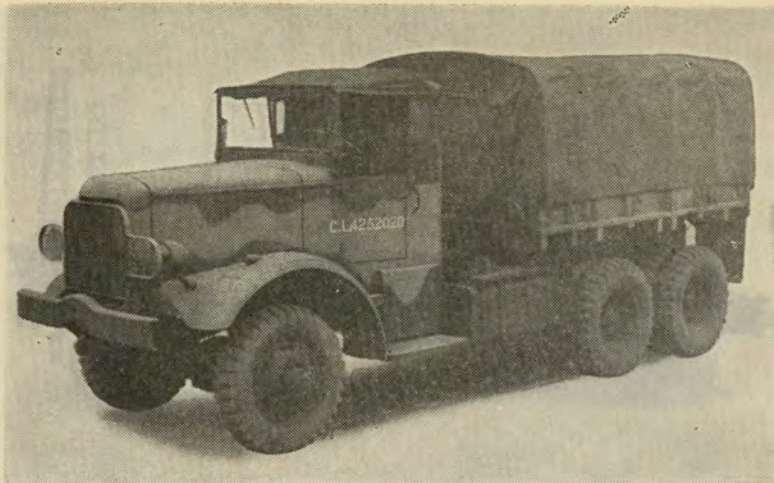


# LORRY, 6-TON, GS

(6-ton, 6 x 6, 177 wb)

Manufacturer—Mack Manufacturing Corpn.

Vehicle Code—120665-C-GS.



**Operational Role**—Used in lieu of FWD tractor as medium artillery tower, as tower for Radar trailers in HAA Regts, and as tower for laundry trailers. Issued in lieu of 10-tonner to RCASC in armoured formations.

**Body Details**—Wood, length 11 ft, flat platform, hinged tail-gate, superstructure, tarpaulin, air brakes, 10-ton winch driven by power take-off. Body fitments include rifle racks in cab, pick-axe and shovel holders, POW carriers, 2 spare wheels, tool boxes, pintle hook, log book. Soft top cab gives low silhouette and shipping height when removed.

### Performance

Bridge classification.....	(per MTP 74)	17
Maximum gradability.....	(per cent)	65
Turning circle (minimum).....	(ft)	75
Angle of approach.....	(deg)	35
Angle of departure.....	(deg)	45
Fording depth.....	(ins)	24
Fuel consumption (average).....	(mpg)	3
Maximum speed.....	(mph)	35

### Engine Details

Manufacturer.....	Mack
Type.....	petrol, 4 cyc, 6 cyls in line
Size.....	bore (ins) 5, stroke (ins) 6
Power.....	156 bhp at (rpm) 2100
Ignition.....	battery (volts) 6
Capacity...fuel (gals) 64, water (qts) 43, oil (qts) 16	

### Tire Details

Treads.....	front (ins) 73½, rear dual (ins) 72½
Size.....	(ins) 10.00 x 22
Pressure.....	(see current instructions)

### Weight and Dimensions

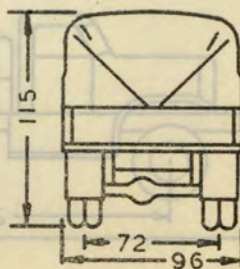
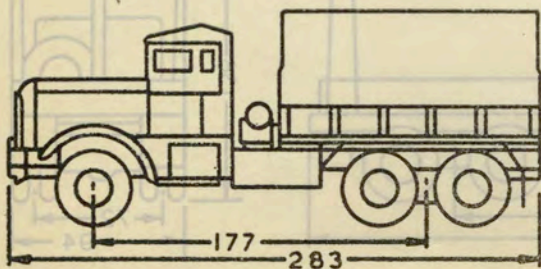
Curb weight (front axle).....	(lbs)	9604
Curb weight (rear axle).....	(lbs)	12264
Laden weight (front axle).....	(lbs)	10857
Laden weight (rear axle).....	(lbs)	25536
Ground clearance (minimum).....	(ins)	10
Wheelbase (front to rear).....	(ins)	177
Shipping space (deck area).....	(sq ft)	190
Shipping space (standing).....	(cu ft)	1810
Dimensions overall.....	(see drawing below)	

### Publications Applying

Maintenance manual.....	TM 10-1477
Parts list.....	SNL G-532
Waterproofing instrs (chassis).....	No. 69

### Additional Data

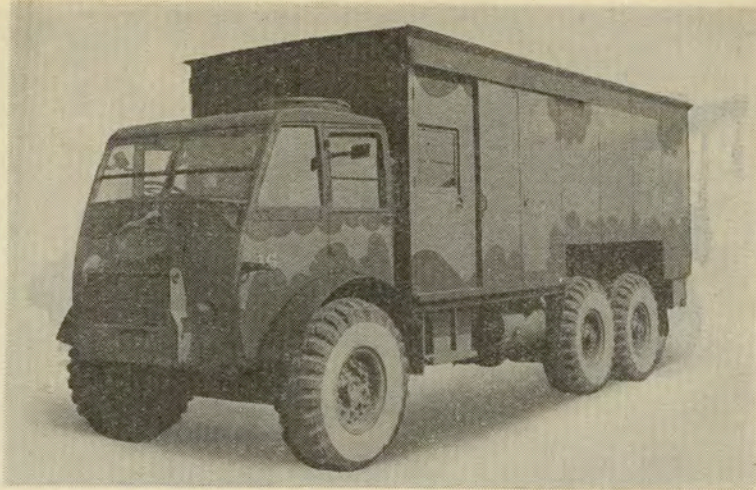
(Above vehicle modified to 10-tonner by removing winch, lengthening frame and body.)



# LORRY, 10-TON, AUTO PROCESSING

(10-ton, 6 x 4, 188 wb)

Manufacturer—Foden's Ltd.



Standard body shown above is modified when used as auto processing vehicle

**Operational Role**—Used by RCE in Reproduction Section, Field Survey Coy, for developing, fixing and drying aeroplane film (200 ft rolls) as required for map reproduction. After development film is sent to Enlarging and Rectifying vehicle.

**Body Details**—House type, steel, length 21 ft, side and rear doors. Equipment includes Graver power-driven auto processing machine with developer, washing and hypo tanks and drying drum. Also safe-lighting, shelves, bins, accessories. Power from 24-kw generator trailer.

## Performance

Bridge classification.....	(per MTP 74).....	18
Maximum gradability.....	(per cent).....	40
Turning circle (minimum).....	(ft).....	65
Angle of approach.....	(deg).....	46
Angle of departure.....	(deg).....	22
Fording depth.....	(ins).....	24
Fuel consumption (average).....	(mpg).....	8
Maximum speed.....	(mph).....	30

## Engine Details

Manufacturer.....	Gardner
Type.....	diesel, 4 cyc, 6 cyls in line
Size.....	bore (ins) $4\frac{1}{4}$ , stroke (ins) 6
Power.....	102 bhp at (rpm) 1700
Ignition.....	(compression ignition)
Capacity.....	fuel (gals) 50, water (qts) 32, oil (qts) 8

## Tire Details

Treads.....	front (ins) 82, rear (ins) 75
Size.....	(ins) 13.50 x 20
Pressure.....	(see current instructions)

## Weight and Dimensions

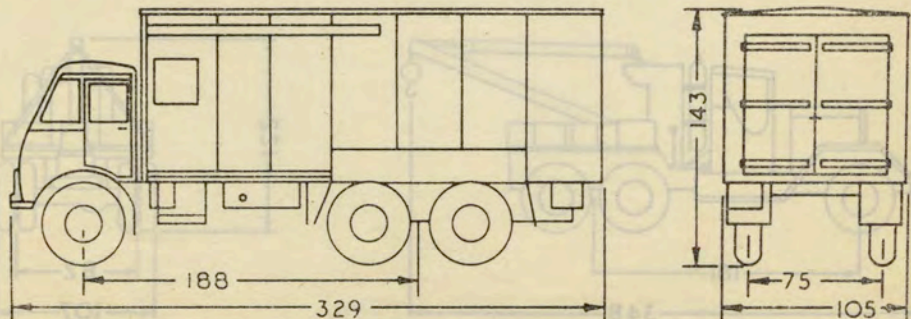
Curb weight (front axle).....	(lbs).....	9800
Curb weight (rear axle).....	(lbs).....	21200
Laden weight (front axle).....	(lbs).....	10800
Laden weight (rear axle).....	(lbs).....	23300
Ground clearance (minimum).....	(ins).....	11
Wheelbase (front to rear).....	(ins).....	188
Shipping space (deck area).....	(sq ft).....	235
Shipping space (standing).....	(cu ft).....	2750
Dimensions overall.....	(see drawing below)	

## Publications Applying

Maintenance manual.....	(not available)
Parts list.....	VAOS LV7/FN
Waterproofing instrs (chassis).....	AC-99

## Additional Data

(Earlier models were built on 3-ton chassis which was not heavy enough.)

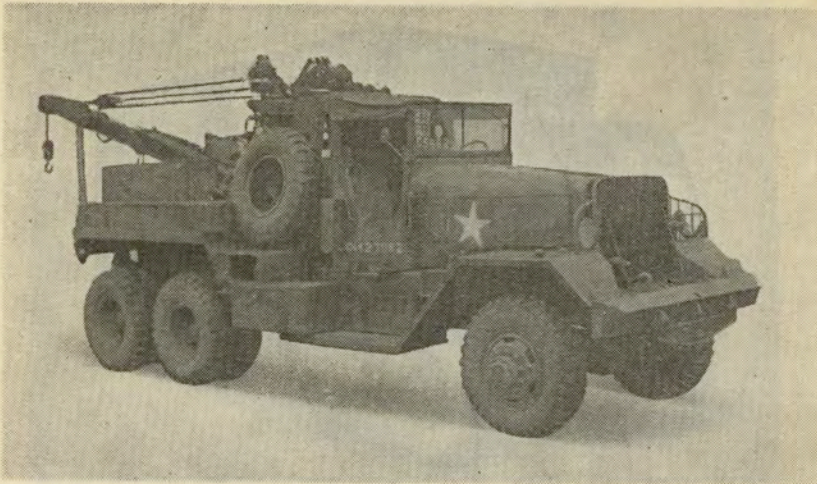


# LORRY, 10-TON, BREAKDOWN

(10-ton, 6 x 6, 181 wb)

Manufacturer—Ward La France Truck Corpn.

Vehicle Code—200661-C-BRKD.



**Operational Role**—Used by RCE in Canadian Railway Operating Group for heavy lifting and recovery jobs as required, including replacing derailed cars, loading flat cars, etc.

**Body Details**—Equipment includes front winch of 10-ton direct pull capacity, rear winch of 20-ton direct pull capacity, power-driven swinging boom capable of 10-ton lift with boom jacks and body ground jacks, and oxy-acetylene welder. Accessories include tow-bars, cables and chains; ground anchors, spades, snatch blocks, shovels, crow-bars, sledge hammers, axes and saws.

## Performance

Bridge classification.....(per MTP 74).....	14
Maximum gradability.....(per cent).....	60
Turning circle (minimum).....(ft).....	88
Angle of approach.....(deg).....	55
Angle of departure.....(deg).....	45
Fording depth.....(ins).....	40
Fuel consumption (average).....(mpg).....	2
Maximum speed.....(mph).....	45

## Engine Details

Manufacturer.....	Continental
Type.....	petrol, 4 cyc, 6 cyls in line
Size.....	bore (ins) 4½, stroke (ins) 5½
Power.....	145 bhp at (rpm) 2400
Ignition.....	battery (volts) 12
Capacity...fuel (gals) 84, water (qts) 33, oil (qts) 10	

## Tire Details

Treads.....	front (ins) 73½, rear duals (ins) 82
Size.....	(ins) 11.00 x 20
Pressure.....	(see current instructions)

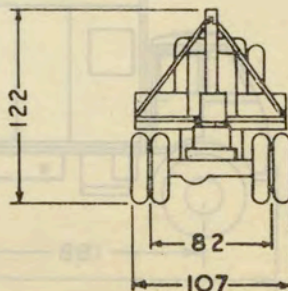
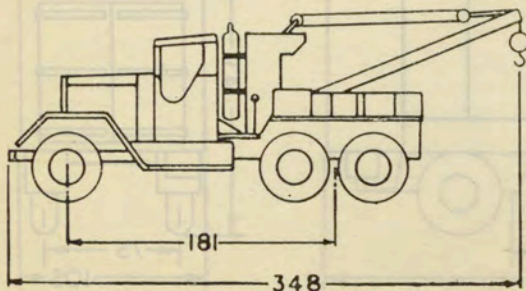
## Weight and Dimensions

Curb weight (front axle).....(not available)	
Curb weight (total).....(lbs).....	27330
Laden weight (front axle).....(not available)	
Laden weight (total).....(lbs).....	35330
Ground clearance (minimum).....(ins).....	12
Wheelbase (front to rear).....(ins).....	181
Shipping space (deck area).....(sq ft).....	240
Shipping space (standing).....(cu ft).....	2450
Dimensions overall.....(see drawing below)	

## Publications Applying

Maintenance manual.....	TM9-1795A, B, C, D
Parts list.....	SNL G-116
Waterproofing instrs (chassis).....	No. 16

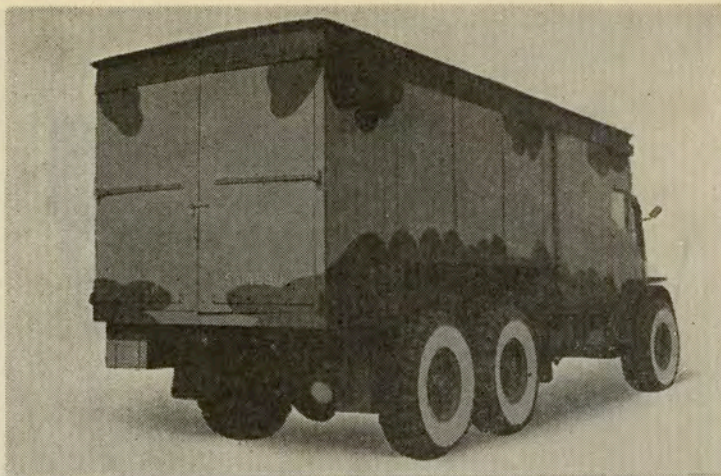
## Additional Data



# LORRY, 10-TON, ENLARGING & RECTIFYING

(10-ton, 6 x 4, 188 wb)

Manufacturer—Foden's Ltd.



Standard body shown above is modified when used as enlarging and rectifying vehicle

**Operational Role**—Used by RCE in Reproduction Section, Field Survey Coy, for enlarging aeroplane film (200 ft rolls) as required for map reproduction. Also for rectifying film if distorted by tilting of aeroplane camera and for duplication of film negatives.

**Body Details**—House type, steel, length 21 ft. Equipment includes special enlarging and rectifying apparatus which exposes original film on to new film at the same time enlarging it and rectifying distortion. Has necessary accessories. Power from 24-kw generator trailer.

## Performance

Bridge classification.....	(per MTP 74).....	18
Maximum gradability.....	(per cent).....	40
Turning circle (minimum).....	(ft).....	65
Angle of approach.....	(deg).....	46
Angle of departure.....	(deg).....	22
Fording depth.....	(ins).....	24
Fuel consumption (average).....	(mpg).....	8
Maximum speed.....	(mph).....	30

## Engine Details

Manufacturer.....	Gardner
Type.....	diesel, 4 cyc, 6 cyls in line
Size.....	bore (ins) 4½, stroke (ins) 6
Power.....	102 bhp at (rpm) 1700
Ignition.....	(compression ignition)
Capacity...fuel (gals) 50, water (qts) 32, oil (qts) 8	

## Tire Details

Treads.....	front (ins) 82, rear (ins) 75
Size.....	(ins) 13.50 x 20
Pressure.....	(see current instructions)

## Weight and Dimensions

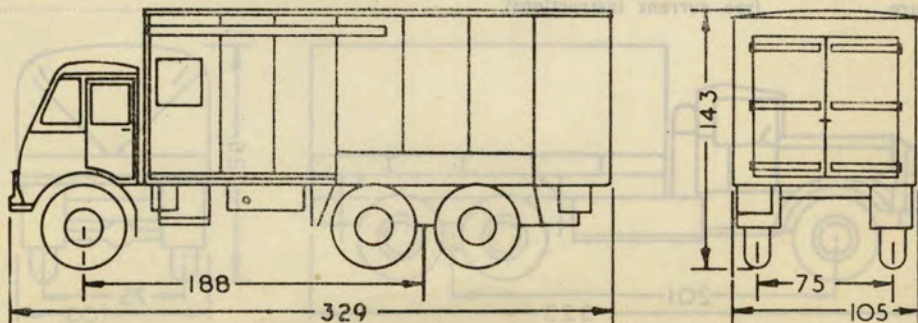
Curb weight (front axle).....	(lbs).....	9800
Curb weight (rear axle).....	(lbs).....	21200
Laden weight (front axle).....	(lbs).....	10800
Laden weight (rear axle).....	(lbs).....	23300
Ground clearance (minimum).....	(ins).....	11
Wheelbase (front to rear).....	(ins).....	188
Shipping space (deck area).....	(sq ft).....	235
Shipping space (standing).....	(cu ft).....	2750
Dimensions overall.....	(see drawing below)	

## Publications Applying

Maintenance manual.....	(not available)
Parts list.....	VAOS LV7/FN
Waterproofing instrs (chassis).....	AC-99

## Additional Data

(Earlier models were built on 3-ton chassis which was not heavy enough.)



# LORRY, 10-TON, 6x4, GS

(10-ton, 6 x 4, 201 wb)

Manufacturer—Mack Manufacturing Corpn.

Vehicle Code—200640-C-GS.

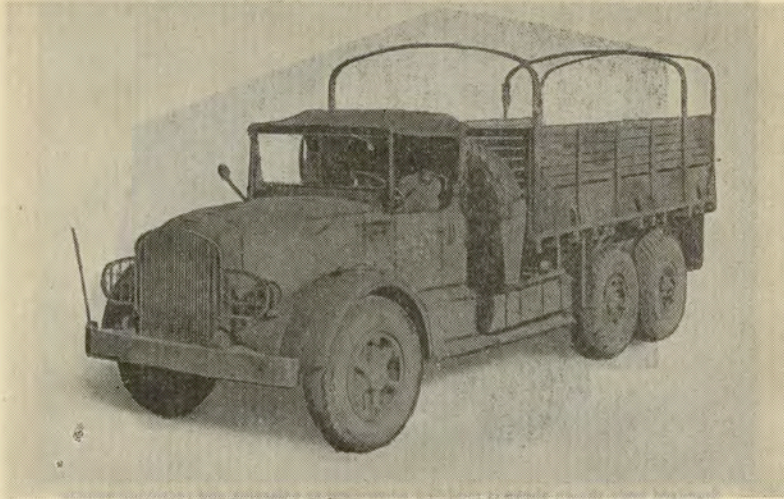


Photo shows tarpaulin removed from superstructure

**Operational Role**—Used by RCASC medium artillery regiment platoons (also HAA) for transportation on double echelon of 2nd line scales of ammunition, petrol and supplies also on pool basis corps transport coy for MT stores including heavy assemblies for RCEME.

**Body Details**—Wood, length 15 ft, flat platform, hinged tail-gate, superstructure, tarpaulin, air brakes. Body fittings include rifle racks in cab, pick-axe and shovel holders, POW carriers, 2 spare wheels, tool boxes, pintle hook, log book. Soft top cab. Top parts of slatted body sides fold down to form troop carrier seats.

### Performance

Bridge classification.....	(per MTP 74).....	21
Maximum gradability.....	(per cent).....	32
Turning circle (minimum).....	(ft).....	79
Angle of approach.....	(deg).....	36
Angle of departure.....	(deg).....	38
Fording depth.....	(ins).....	24
Fuel consumption (average).....	(mpg).....	3
Maximum speed.....	(mph).....	35

### Engine Details

Manufacturer.....	Mack
Type.....	diesel, 4 cyc, 6 cyls in line
Size.....	bore (ins) $4\frac{3}{8}$ , stroke (ins) $5\frac{3}{4}$
Power.....	140 bhp at (rpm) 2200
Ignition.....	(compression ignition)
Capacity... fuel (gals) 120, water (qts) 16, oil (qts) 12	

### Tire Details

Treads.....	front (ins) $79\frac{1}{2}$ , rear (ins) $75\frac{1}{2}$
Size.....	front (ins) 11.00 x 24, rear (ins) 14.00 x 20
Pressure.....	(see current instructions)

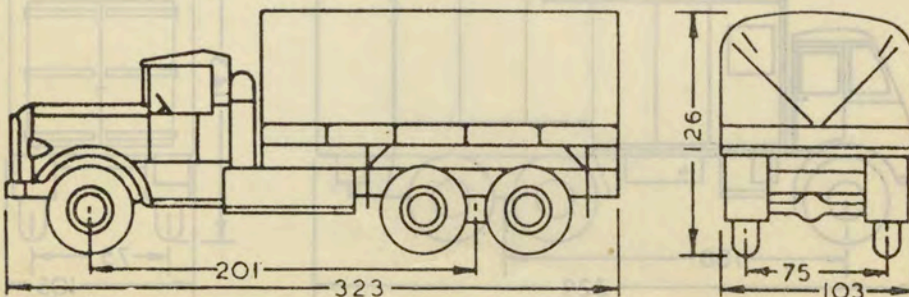
### Weight and Dimensions

Curb weight (front axle).....	(not available)
Curb weight (total).....	(lbs) 20950
Laden weight (front axle).....	(not available)
Laden weight (total).....	(lbs) 42950
Ground clearance (minimum).....	(ins) 13
Wheelbase (front to rear).....	(ins) 201
Shipping space (deck area).....	(sq ft) 230
Shipping space (standing).....	(cu ft) 2400
Dimensions overall.....	(see drawing below)

### Publications Applying

Maintenance manual.....	TM 10-1545
Parts list.....	SNL G-528
Waterproofing instrs (chassis).....	No. 70

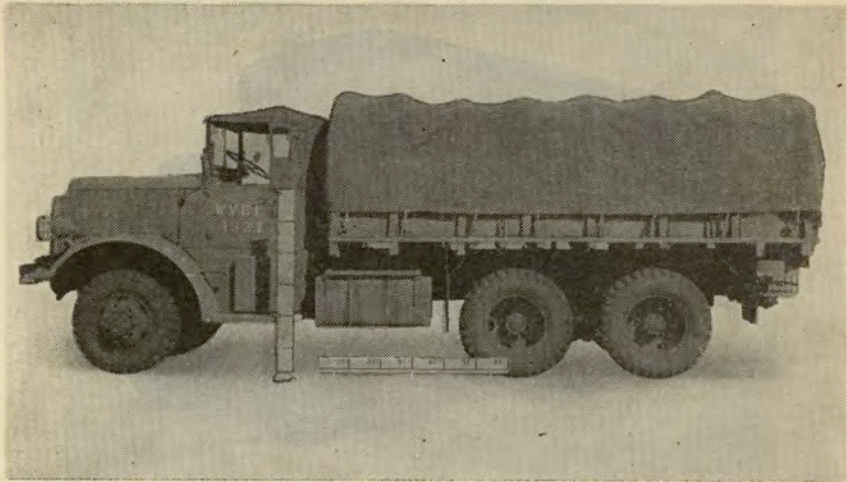
### Additional Data



# LORRY, 10-TON, 6 x 6, GS

(10-ton, 6 x 6, 177 wb)

Manufacturer—Mack Manufacturing Corpn.



Winch of 6-tonner was removed and body lengthened to provide 10-tonner shown above

**Operational Role**—Used by RCASC Armd Bde Transport Coy and Armd Div Transport Coy for transport single echelon on unit basis of 2nd line scales of ammunition, petrol and supplies for units of an arm'd brigade and in pool of transport for an arm'd div.

**Body Details**—Wood, length 15 ft as modified, flat platform, hinged tail-gate, superstructure, tarpaulin, air brakes. Body fittings include rifle racks in cab, pick-axe and shovel holders, POW carriers, 2 spare wheels, tool boxes, pintle hook, log book. Soft top cab gives low silhouette and shipping height when superstructure and top of cab removed.

## Performance

Bridge classification.....	(per MTP 74)	21
Maximum gradability.....	(per cent)	32
Turning circle (minimum).....	(ft)	75
Angle of approach.....	(deg)	35
Angle of departure.....	(deg)	38
Fording depth.....	(ins)	24
Fuel consumption (average).....	(mpg)	3
Maximum speed.....	(mph)	3

## Engine Details

Manufacturer.....	Mack
Type.....	petrol, 4 cyc, 6 cyls in line
Size.....	bore (ins) 5, stroke (ins) 6
Power.....	156 bhp at (rpm) 2100
Ignition.....	battery (volts) 6
Capacity.....	fuel (gals) 64, water (qts) 43, oil (qts) 16

## Tire Details

Treads.....	front (ins) 73½, rear dual (ins) 72½
Size.....	(ins) 10.00 x 22
Pressure.....	(see current instructions)

## Weight and Dimensions

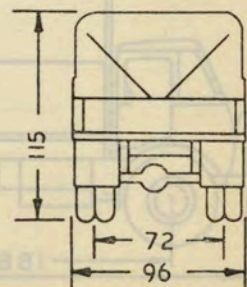
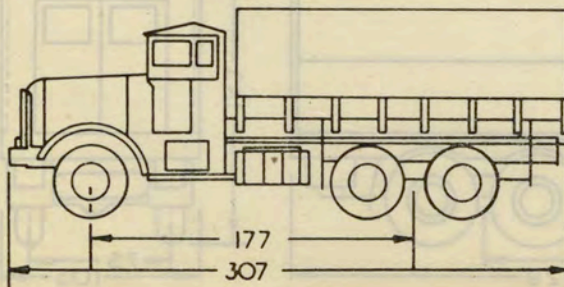
Curb weight (front axle).....	(lbs)	9200
Curb weight (rear axle).....	(lbs)	12870
Laden weight (front axle).....	(lbs)	11040
Laden weight (rear axle).....	(lbs)	33070
Ground clearance (minimum).....	(ins)	10
Wheelbase (front to rear).....	(ins)	177
Shipping space (deck area).....	(sq ft)	210
Shipping space (standing).....	(cu ft)	1960
Dimensions overall.....	(see drawing below)	

## Publications Applying

Maintenance manual.....	TM 10-1477
Parts list.....	SNL G-532
Waterproofing instrs (chassis).....	(not available)

## Additional Data

(Above vehicle was provided from 6-ton, 6 x 6, by lengthening frame and body and removing winch.)



# LORRY, 10-TON, PHOTO MECHANICAL

(10-ton, 6 x 4, 188 wb)

Manufacturer—Foden's Ltd.

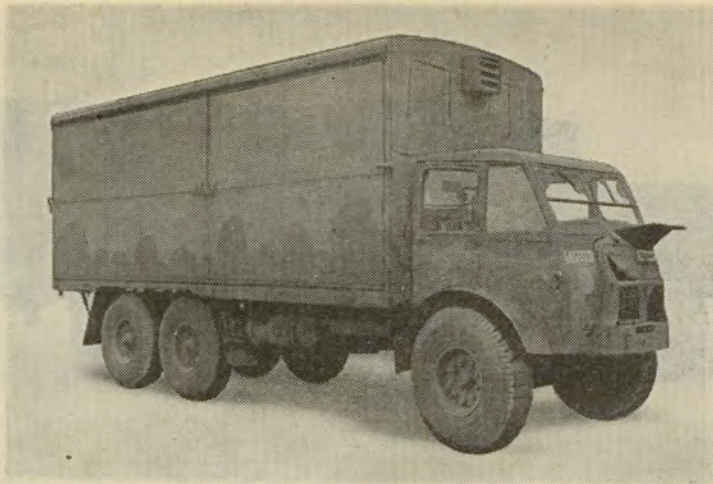


Photo shows sides closed giving overall width of 8½ ft as against 15 ft when open

**Operational Role**—Used by RCE in Reproduction Section, Field Survey Company, for preparing zinc map printing plates from the negatives received from Camera and Dark Room vehicles, up to size 24½ by 19½ ins and for taking proofs of same. Plates are sent to Printing vehicle for reproduction.

**Body Details**—House type, steel, length 21 ft, sides open out to give extra covered floor space, single rear door. Equipment includes arc lamps, whirler for washing and drying plates, plate proof press, demy printing down frames, water supply, sinks, developing tables, lockers for supplies. Power by interconnection with 24-kw trailer.

## Performance

Bridge classification.....	(per MTP 74).....	18
Maximum gradability.....	(per cent).....	40
Turning circle (minimum).....	(ft).....	65
Angle of approach.....	(deg).....	46
Angle of departure.....	(deg).....	22
Fording depth.....	(ins).....	24
Fuel consumption (average).....	(mpg).....	8
Maximum speed.....	(mph).....	30

## Engine Details

Manufacturer.....	Gardner
Type.....	diesel, 4 cyc, 6 cyps in line
Size.....	bore (ins) 4½, stroke (ins) 6
Power.....	102 bhp at (rpm) 1700
Ignition.....	(compression ignition)
Capacity...fuel (gals) 50, water (qts) 32, oil (qts) 8	

## Tire Details

Treads.....	front (ins) 82, rear (ins) 75
Size.....	(ins) 13.50 x 20
Pressure.....	(see current instructions)

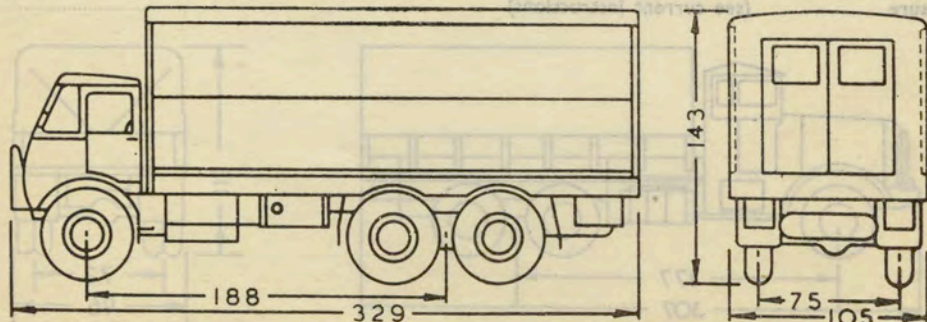
## Weight and Dimensions

Curb weight (front axle).....	(lbs).....	9800
Curb weight (rear axle).....	(lbs).....	21170
Laden weight (front axle).....	(lbs).....	10760
Laden weight (rear axle).....	(lbs).....	23300
Ground clearance (minimum).....	(ins).....	11
Wheelbase (front to rear).....	(ins).....	188
Shipping space (deck area).....	(sq ft).....	240
Shipping space (standing).....	(cu ft).....	2750
Dimensions overall.....	(see drawing below)	

## Publications Applying

Maintenance manual.....	(not available)
Parts list.....	VAOS LV7/FN
Waterproofing instrs (chassis).....	AC-99

## Additional Data





# LORRY, 10-TON, PRINTING

(10-ton, 6 x 4, 188 wb)

Manufacturer—Foden's Ltd.

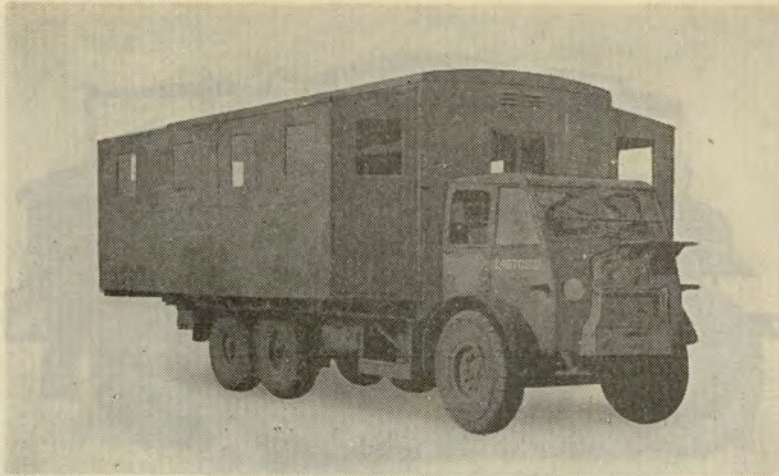


Photo shows sides open giving overall width of 15 ft as against 8½ ft closed

**Operational Role**—Used by RCE in Reproduction Section, Field Survey Company, for map printing up to size 24¾ by 19½ ins (demy size) using rag litho paper and self-feeding offset printing press giving up to 4000 impressions per hour single run, extra colours requiring additional runs.

**Body Details**—House type, steel, length 21 ft, sides open out to give extra covered floor space, double rear doors, levelling jacks. Equipment includes Crabtree rotary offset printing machine and accessories, work tables, printing plate racks, lockers for supplies, etc. Power by interconnection with 24-kw power trailer.

## Performance

Bridge classification.....	(per MTP 74).....	18
Maximum gradability.....	(per cent).....	40
Turning circle (minimum).....	(ft).....	65
Angle of approach.....	(deg).....	46
Angle of departure.....	(deg).....	22
Fording depth.....	(ins).....	24
Fuel consumption (average).....	(mpg).....	8
Maximum speed.....	(mph).....	30

## Engine Details

Manufacturer.....	Gardner
Type.....	diesel, 4 cys, 6 cys in line
Size.....	bore (ins) 4¼, stroke (ins) 6
Power.....	102 bhp at (rpm) 1700
Ignition.....	(compression ignition)
Capacity...fuel (gals) 50, water (qts) 32, oil (qts) 8	

## Tire Details

Treads.....	front (ins) 82, rear (ins) 75
Size.....	(ins) 13.50 x 20
Pressure.....	(see current instructions)

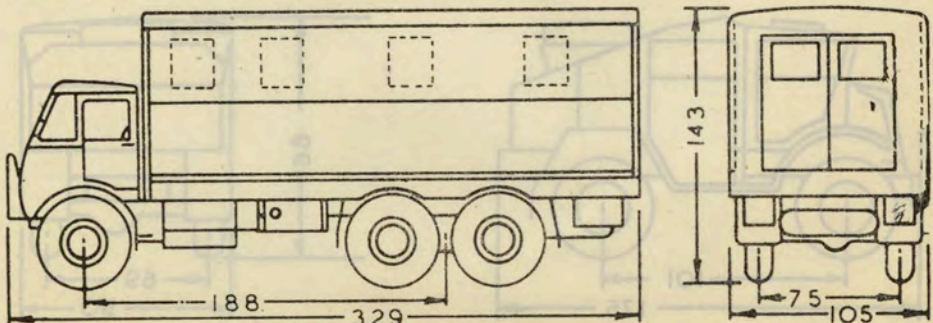
## Weight and Dimensions

Curb weight (front axle).....	(lbs).....	10190
Curb weight (rear axle).....	(lbs).....	22000
Laden weight (front axle).....	(lbs).....	11320
Laden weight (rear axle).....	(lbs).....	23130
Ground clearance (minimum).....	(ins).....	11
Wheelbase (front to rear).....	(ins).....	188
Shipping space (deck area).....	(sq ft).....	240
Shipping space (standing).....	(cu ft).....	2650
Dimensions overall.....	(see drawing below)	

## Publications Applying

Maintenance manual.....	P/8/84
Parts list.....	VAOS LV7/FN
Waterproofing instrs (chassis).....	AC-99

## Additional Data



# TRACTOR, FIELD ARTILLERY

(FAT, 3-ton, 4 x 4, 101 wb)

Manufacturer—Ford Motor Co., General Motors.

Vehicle Code—FGT-FAT.

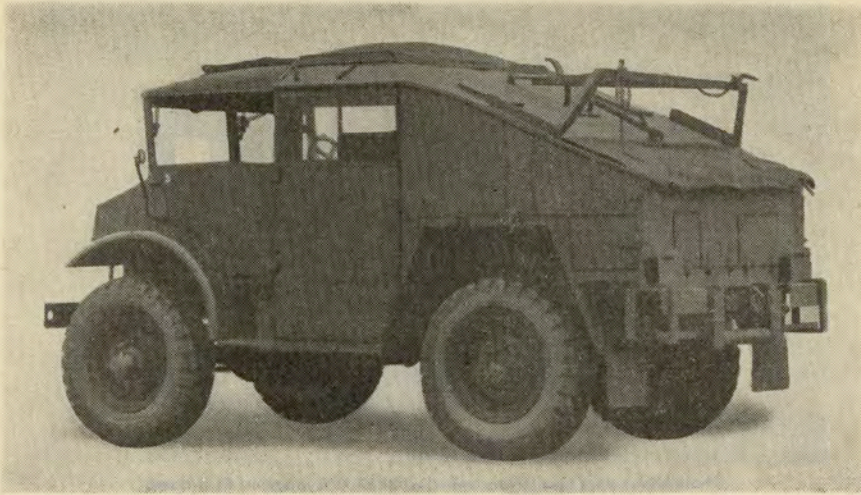


Photo shows rear cable fairleads and on rear deck the spare tire fitment

**Operational Role**—Used by RCA field artillery regiments to tow field artillery pieces over varying types of terrain and transport gun crews.

**Body Details**—All steel body carrying 4 man crew in addition to driver and spare driver. Roof hatch for observation. Rear of body has compartments for tools and equipment. Spare tire, wire, camouflage carried on rear deck. Power winch with 125 ft of  $\frac{3}{8}$  diameter cable.

## Performance

Bridge classification.....	(per MTP 74).....	6
Maximum gradability.....	(per cent).....	64
Turning circle (minimum).....	(ft).....	45
Angle of approach.....	(deg).....	62
Angle of departure.....	(deg).....	36
Fording depth.....	(ins).....	24
Fuel consumption (average).....	(mpg).....	7
Maximum speed.....	(mph).....	46

## 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) 42, 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

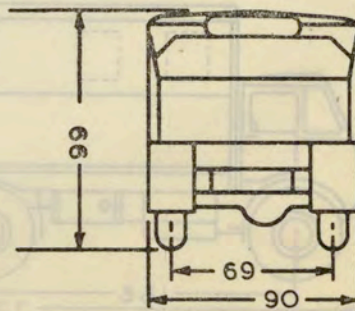
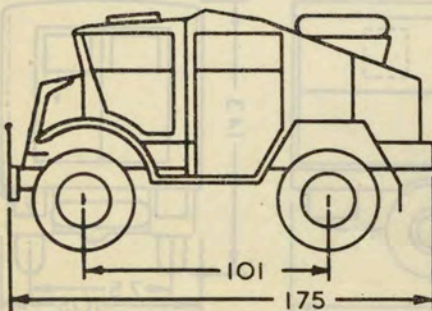
Curb weight (front axle).....	(lbs).....	4000
Curb weight (rear axle).....	(lbs).....	6800
Laden weight (front axle).....	(lbs).....	4560
Laden weight (rear axle).....	(lbs).....	7900
Ground clearance (minimum).....	(ins).....	11
Wheelbase (front to rear).....	(ins).....	101
Shipping space (deck area).....	(sq ft).....	110
Shipping space (standing).....	(cu ft).....	920
Dimensions overall.....	(see drawing below)	

## Publications Applying

Maintenance manual.....	MB-F1
Parts list.....	SE-39-42
Waterproofing instrs (chassis).....	No. 44

## Additional Data

(Above covers Ford. For GM engine see page 137. For bridge classification when towing gun, see current instructions. GM Waterproofing instrs No. 60.)

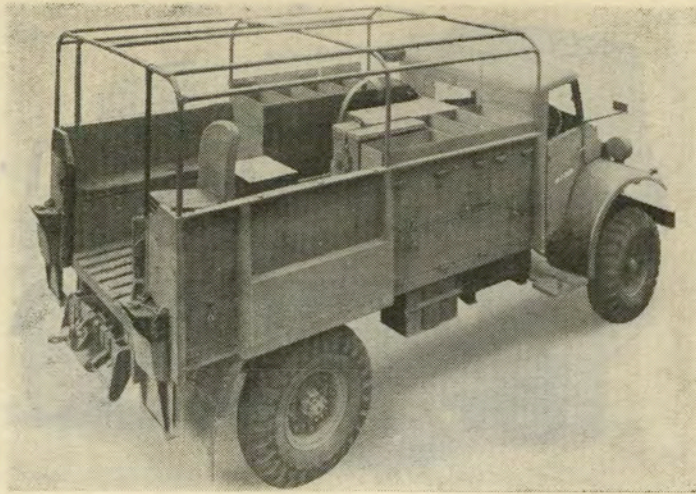


# MEDIUM TRACTOR, LIGHT AA

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

Manufacturer—Ford Motor Co., General Motors.

Vehicle Code—F60S-LAAT.



**Operational Role**—Used by RCA in light AA regiments to tow the 40-mm gun and crew thus providing mobile AA (or secondarily, Atk defence).

**Body Details**—All steel, special design, length 10 ft, superstructure, tarpaulin, rear entrance, seats for 7 men, ammunition compartments. Includes winch driven from power take-off, tow hook and stowage for spare gun barrel.

## Performance

Bridge classification.....	(per MTP 74).....	6
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 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, rear (ins) 70 1/2
Size.....	(ins) 10.50 x 16
Pressure.....	(see current instructions)

## Weight and Dimensions

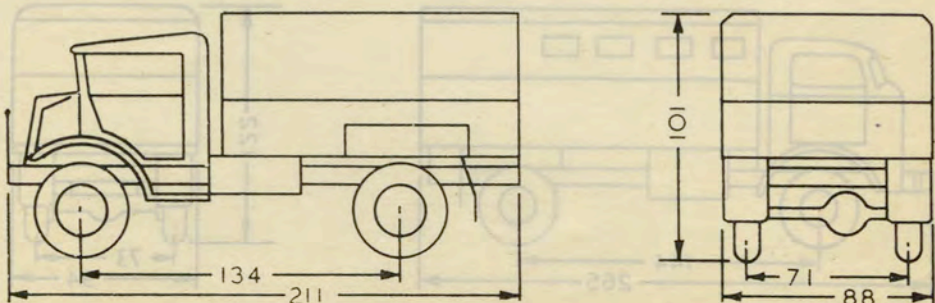
Curb weight (front axle).....	(lbs).....	4600
Curb weight (rear axle).....	(lbs).....	5650
Laden weight (front axle).....	(lbs).....	5200
Laden weight (rear axle).....	(lbs).....	8400
Ground clearance (minimum).....	(ins).....	9
Wheelbase (front to rear).....	(ins).....	134
Shipping space (deck area).....	(sq ft).....	130
Shipping space (standing).....	(cu ft).....	1200
Dimensions overall.....	(see drawing below)	

## Publications Applying

Maintenance manual.....	MB-F1
Parts list.....	F60S-01
Waterproofing instrs (chassis).....	No. 66

## Additional Data

(Above covers Ford. For details of GM engine see page 137. GM Waterproofing instrs No. 21.)

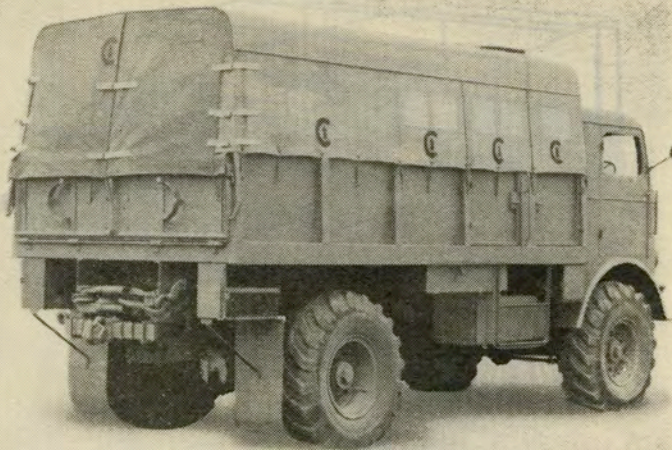


# TRACTOR, ARTILLERY, MEDIUM

(4-ton, 4 x 4, 144 wb)

Manufacturer—Four Wheel Drive Auto Co.

Vehicle Code—100444-C-MAT.



**Operational Role**—Used by RCA medium regiments to tow 5.5 in gun-how over varying types of terrain. Gun crew and a small amount of ammunition are carried in tractor body.

**Body Details**—Steel, tubular superstructure, tarpaulin, side doors, roof hatch, hinged tail-gate, equipment racks, seating for 10 men. Equipped with 15-ton winch driven from power take-off and 250 ft of 7/8 in cable.

## Performance

Bridge classification.....(per MTP 74).....	12
Maximum gradability (unladen) (per cent).....	40
Turning circle (minimum).....(ft).....	76
Angle of approach.....(deg).....	35
Angle of departure.....(deg).....	30
Fording depth.....(ins).....	24
Fuel consumption (average).....(mpg).....	3
Maximum speed.....(mph).....	35

## Engine Details

Manufacturer.....	Waukesha
Type.....	petrol, 4 cyc, 6 cyls in line
Size.....	bore (ins) 4 $\frac{3}{8}$ , stroke (ins) 5 $\frac{1}{2}$
Power.....	126 bhp at (rpm) 2250
Ignition.....	battery (volts) 12
Capacity...fuel (gals) 70, water (qts) 18, oil (qts) 10	

## Tire Details

Treads.....	front (ins) 75, rear (ins) 73
Size.....	(ins) 13.50 x 20
Pressure.....	(see current instructions)

## Weight and Dimensions

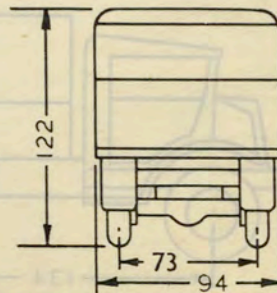
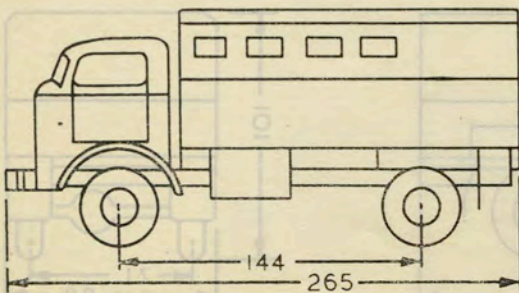
Curb weight (front axle).....(lbs).....	8500
Curb weight (rear axle).....(lbs).....	8100
Laden weight (front axle).....(lbs).....	10900
Laden weight (rear axle).....(lbs).....	18200
Ground clearance (minimum).....(ins).....	13
Wheelbase (front to rear).....(ins).....	144
Shipping space (deck area).....(sq ft).....	180
Shipping space (standing).....(cu ft).....	1800
Dimensions overall.....(see drawing below)	

## Publications Applying

Maintenance manual.....	C444-FWD2
Parts list.....	FWD-SU-02
Waterproofing instrs (chassis).....	AC-93

## Additional Data

(For bridge classification and gradability when towing gun, see current instructions.)

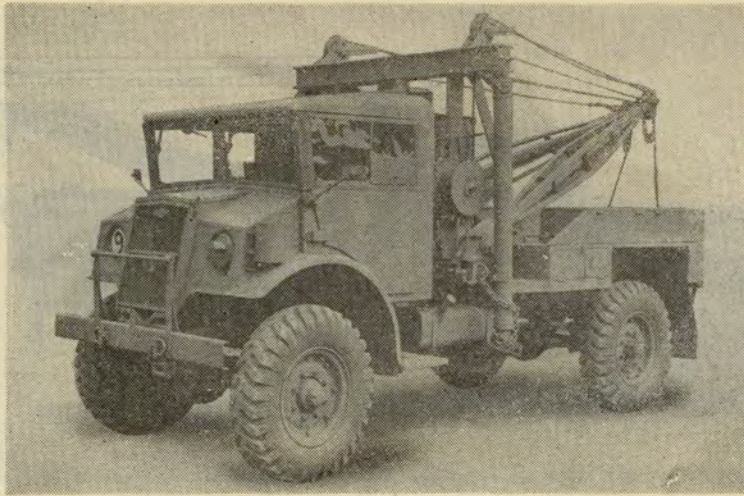


# TRACTOR, BREAKDOWN, LIGHT

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

Manufacturer—General Motors.

Vehicle Code—C60S-BRKD.



**Operational Role**—Used by RCME workshops and LADs for the recovery and towing to repair areas of the lighter types of vehicles and guns.

**Body Details**—Two swinging booms, each with separate winch driven from power take-off. Telescoping brace legs on each side to relieve frame when doing side pull with boom. Each winch has capacity of 5000 lbs. Working capacity each boom 3 short tons.

## Performance

Bridge classification.....(per MTP 74).....	7
Maximum gradability.....(per cent).....	53
Turning circle (minimum).....(ft).....	56
Angle of approach.....(deg).....	65
Angle of departure.....(deg).....	36
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) 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) 70½, rear (ins) 69
Size.....	(ins) 10.50 x 20
Pressure.....	(see current instructions)

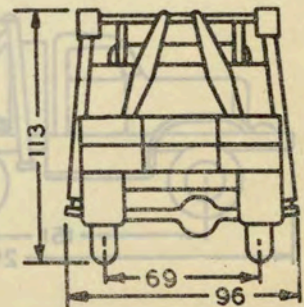
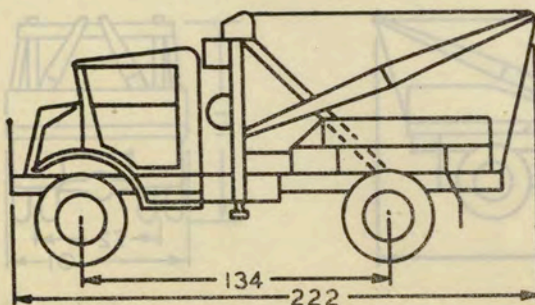
## Weight and Dimensions

Curb weight (front axle).....(lbs).....	6000
Curb weight (rear axle).....(lbs).....	8150
Laden weight (front axle).....(lbs).....	6400
Laden weight (rear axle).....(lbs).....	8200
Ground clearance (minimum).....(ins).....	11
Wheelbase (front to rear).....(ins).....	134
Shipping space (deck area).....(sq ft).....	150
Shipping space (standing).....(cu ft).....	1400
Dimensions overall.....	(see drawing below)

## Publications Applying

Maintenance manual.....	MB-C2
Parts list.....	C60S-02
Waterproofing instrs (chassis).....	No. 21

## Additional Data

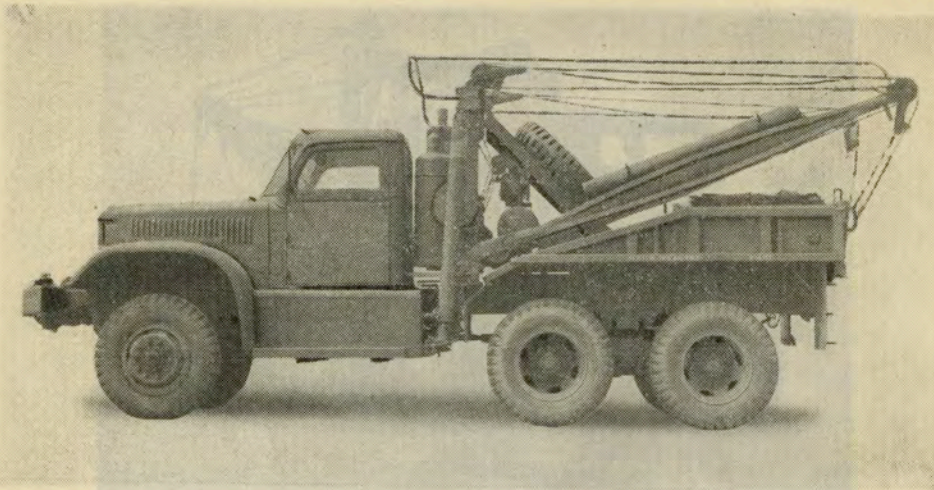


# TRACTOR, BREAKDOWN, MEDIUM

(4-ton, 6 x 6, 151 wb)

Manufacturer—Diamond T Motor Car Co.

Vehicle Code—80661-C-BRKD.



**Operational Role**—Used for the recovery and towing to repair areas of vehicles and equipments within capacity of booms and winches, mainly by RCEME and RCASC units.

**Body Details**—Equipment includes two telescoping brace legs, two swivel booms, two power winches each with 200 ft of cable, snatch blocks, anchors and oxy-acetylene welding equipment. Capacity 5 tons single line, 10 tons with double line and snatch block. Some have soft top cab.

### Performance

Bridge classification.....	(per MTP 74).....	11
Maximum gradability.....	(per cent).....	98
Turning circle (minimum).....	(ft).....	73
Angle of approach.....	(deg).....	37
Angle of departure.....	(deg).....	46
Fording depth.....	(ins).....	24
Fuel consumption (average).....	(mpg).....	3
Maximum speed.....	(mph).....	40

### Engine Details

Manufacturer.....	Hercules
Type.....	petrol, 4 cyc, 6 cyls in line
Size.....	bore (ins) $4\frac{3}{8}$ , stroke (ins) $5\frac{1}{2}$
Power.....	131 bhp at (rpm) 2300
Ignition.....	battery (volts) 6
Capacity... fuel (gals) 48, water (qts) 37, oil (qts) 12	

### Tire Details

Treads.....	front (ins) $73\frac{3}{4}$ , rear (ins) 72
Size.....	(ins) 9.00 x 20
Pressure.....	(see current instructions)

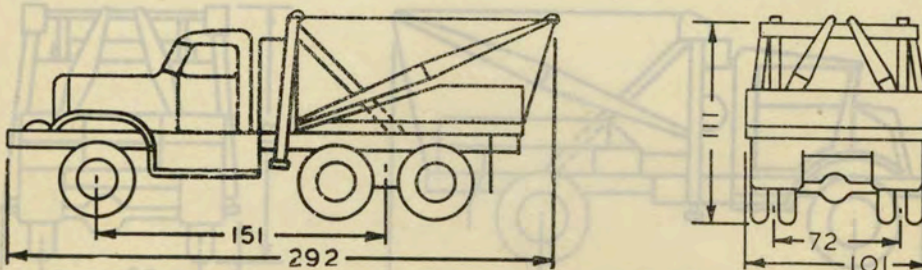
### Weight and Dimensions

Curb weight (front axle).....	(lbs).....	7050
Curb weight (rear axle).....	(lbs).....	16500
Laden weight (front axle).....	(lbs).....	7840
Laden weight (rear axle).....	(lbs).....	18480
Ground clearance (minimum).....	(ins).....	11
Wheelbase (front to rear).....	(ins).....	151
Shipping space (deck area).....	(sq ft).....	210
Shipping space (standing).....	(cu ft).....	2100
Dimensions overall.....	(see drawing below)	

### Publications Applying

Maintenance manual.....	TM-10-1297
Parts list.....	TM-10-1296
Waterproofing instrs (chassis).....	AC-104

### Additional Data



# TRACTOR, BREAKDOWN, HEAVY

(5-ton, 6 x 4, 166 wb)

Manufacturer—Mack Mfg. Corpn.

Vehicle Code—200646-C-BRKD.

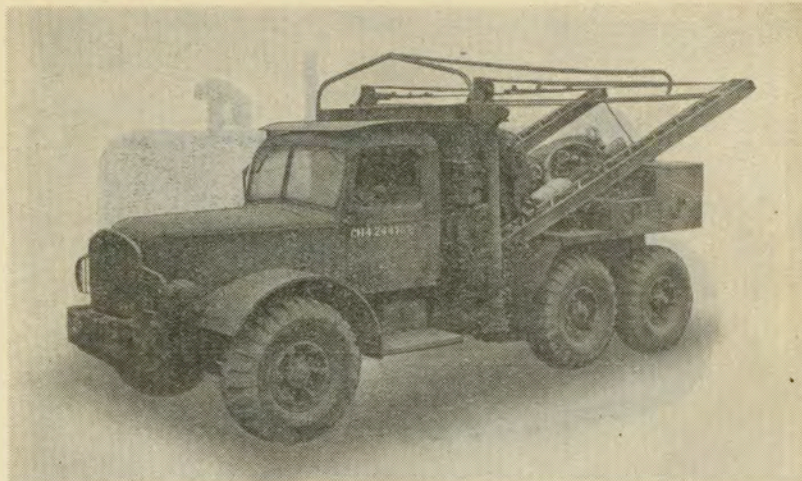


Photo shows tarpaulin removed from superstructure which is normal operating condition

**Operational Role**—Used for the recovery and towing to repair areas of heavy wheeled vehicles and certain classes of armoured fighting vehicles. Issued to RCME and RCASC.

**Body Details**—All steel, length 92 ins, tubular superstructure, tarpaulin, tool boxes for ancillary equipment. Equipment includes oxy-acetylene welding and cutting outfit. Double booms, capacity 8 tons one boom double line or 16 tons booms locked. Side brace legs, main winch capacity 40,000 lbs.

## Performance

Bridge classification.....	(per MTP 74).....	12
Maximum gradability.....	(per cent).....	53
Turning circle (minimum).....	(ft).....	73
Angle of approach.....	(deg).....	55
Angle of departure.....	(deg).....	55
Fording depth.....	(ins).....	24
Fuel consumption (average).....	(mpg).....	3
Maximum speed.....	(mph).....	35

## Engine Details

Manufacturer.....	Mack
Type.....	petrol, 4 cyc, 6 cys in line
Size.....	bore (ins) 4 $\frac{3}{4}$ , stroke (ins) 5 $\frac{3}{8}$
Power.....	160 bhp at (rpm) 2100
Ignition.....	battery (volts) 12
Capacity.....	fuel (gals) 75, water (qts) 44, oil (qts) 12

## Tire Details

Treads.....	front (ins) 83, rear (ins) 75 $\frac{1}{2}$
Size.....	(ins) 14.00 x 20
Pressure.....	(see current instructions)

## Weight and Dimensions

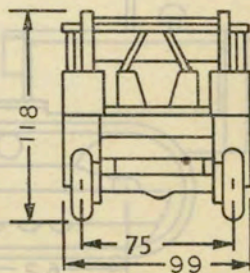
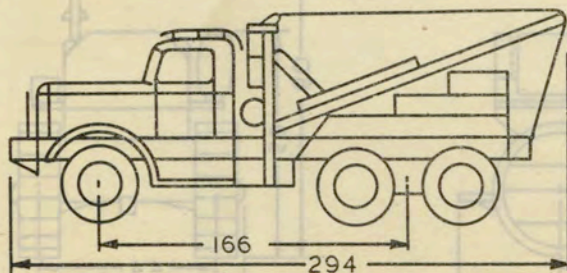
Curb weight (front axle).....	(lbs).....	10140
Curb weight (rear axle).....	(lbs).....	14500
Laden weight (front axle).....	(lbs).....	10470
Laden weight (rear axle).....	(lbs).....	17530
Ground clearance (minimum).....	(ins).....	14
Wheelbase (front to rear).....	(ins).....	166
Shipping space (deck area).....	(sq ft).....	210
Shipping space (standing).....	(cu ft).....	2100
Dimensions overall.....	(see drawing below)	

## Publications Applying

Maintenance manual.....	WM-3850, C646-MACI
Parts list.....	MAC-LMSW-01
Waterproofing instrs (chassis).....	AC-137

## Additional Data

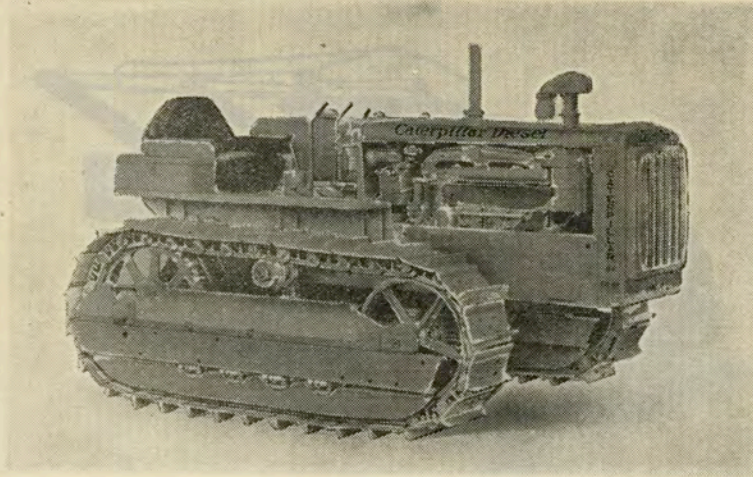
(Some vehicles have soft top cab.)



# TRACTOR, D-4

(Caterpillar)

Manufacturer—Caterpillar Tractor Co.



**Operational Role**—Used by RCE units for earth moving, obstacle clearing, vehicle recovery, demolitions, etc. Also by RCEME in Light Recovery Section for vehicle recovery purposes. (Used in forward areas as comparatively small size and weight enable it to be readily transported.)

**Body Details**—All steel, U.S. manufacture. Standard auxiliary equipment includes dozer blades, power control units and Hyster winches. Equipment includes hour meter, petrol driven starting engine with magneto ignition. Steering done by hand levers which operate hydraulic clutches on transmission.

### Performance

Bridge classification.....	(per MTP 74).....	9
Maximum gradability.....	(per cent).....	58
Turning circle (minimum).....	(ft).....	15
Angle of approach.....	(deg).....	45
Angle of departure.....	(deg).....	14
Fording depth.....	(ins).....	31
Fuel consumption (hourly).....	(gals).....	2
Maximum speed.....	(mph).....	5

### Engine Details

Manufacturer.....	Caterpillar
Type.....	diesel, 4 cyc, 4 cyls in line
Size.....	bore (ins) 4½, stroke (ins) 5½
Power.....	41 bhp at (rpm) 1400
Ignition.....	(compression ignition)
Capacity...fuel (gals) 20, water (qts) 36, oil (qts) 13	

### Tire Details

Treads.....	front (ins) 44, rear (ins) 44
Size.....	(not applicable)
Pressure.....	(not applicable)

### Weight and Dimensions

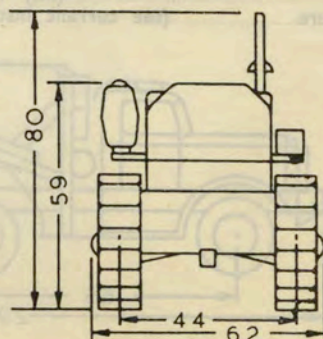
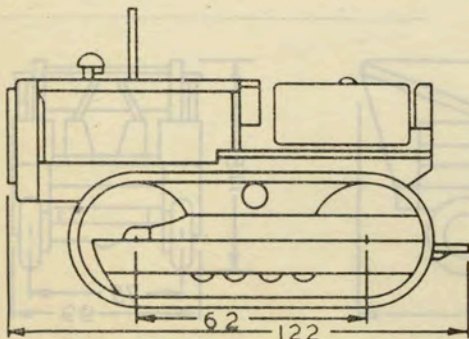
Curb weight (front axle).....	(not applicable)
Curb weight (rear axle).....	(not applicable)
Laden weight (front axle).....	(not applicable)
Laden weight (total).....	(lbs) 10080
Ground clearance (minimum).....	(ins) 11
Wheelbase (front to rear).....	(not applicable)
Shipping space (deck area).....	(sq ft) 60
Shipping space (standing).....	(cu ft) 350
Dimensions overall.....	(see drawing below)

### Publications Applying

Maintenance manual.....	TM5-3112
Parts list.....	TM5-3112
Waterproofing instrs (chassis).....	(not available)

### Additional Data

(For weights and dimensions when fitted with winch, pcu or dozer blades see RE Training Memorandum No. 8.)





# TRACTOR, D-7

(Caterpillar)

Manufacturer—Caterpillar Tractor Co.

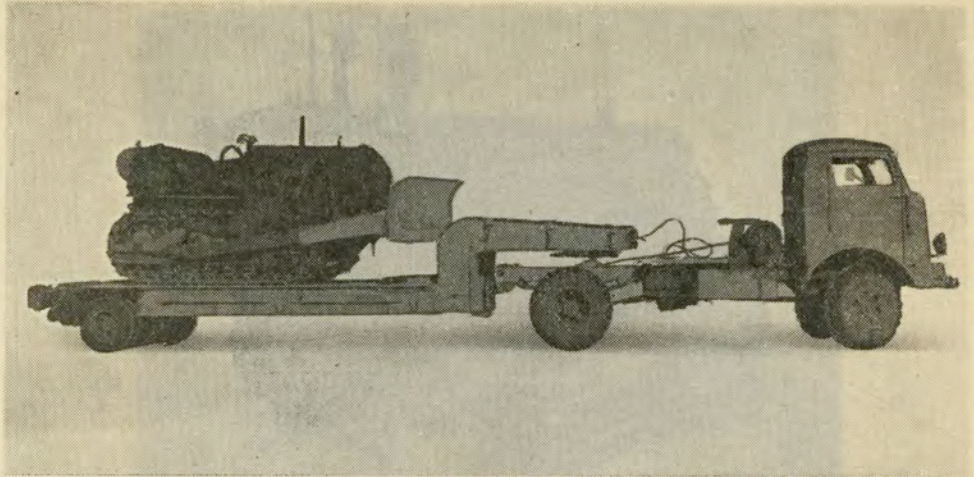


Photo shows D-7 tractor with bulldozer being transported on 16-ton trailer

**Operational Role**—Used by RCE units with dozers, graders, or scrapers attached for earth moving on roads and airports or clearing stumps, boulders, etc. Also as straight hauling unit for demolitions, vehicle recovery, hauling logs, etc. (D-7 used in forward areas by Field Park Coy and Div Park Coy.)

**Body Details**—All steel, U.S. manufacture. Standard auxiliary equipment includes dozer blades, power control units and Hyster winches. Equipment includes hour meter, petrol driven starting engine with magneto ignition. Steering done by hand levers which operate hydraulic clutches on transmission.

## Performance

Bridge classification.....(per MTP 74).....	18
Maximum gradability.....(per cent).....	62
Turning circle (minimum).....(ft).....	23
Angle of approach.....(deg).....	24
Angle of departure.....(deg).....	30
Fording depth.....(ins).....	35
Fuel consumption (hourly).....(gals).....	3
Maximum speed.....(mph).....	6

## Engine Details

Manufacturer.....	Caterpillar
Type.....	diesel, 4 cyc, 4 cyls in line
Size.....	bore (ins) $5\frac{3}{4}$ , stroke (ins) 8
Power.....	92 bhp at (rpm) 1000
Ignition.....	(compression ignition)
Capacity...fuel (gals) 54, water (qts) 60, oil (qts) 18	

## Tire Details

Treads.....	front (ins) 74, rear (ins) 74
Size.....	(not applicable)
Pressure.....	(not applicable)

## Weight and Dimensions

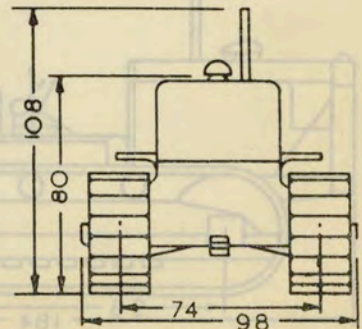
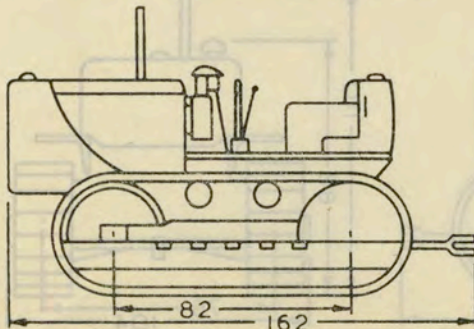
Curb weight (front axle).....	(not applicable)
Curb weight (rear axle).....	(not applicable)
Laden weight (front axle).....	(not applicable)
Laden weight (total).....	(lbs) 24420
Ground clearance (minimum).....	(ins) 15
Wheelbase (front to rear).....	(not applicable)
Shipping space (deck area).....	(sq ft) 110
Shipping space (standing).....	(cu ft) 1000
Dimensions overall.....	(see drawing below)

## Publications Applying

Maintenance manual.....	TM5-3070
Parts list.....	TM5-3070
Waterproofing instrs (chassis).....	(not available)

## Additional Data

(For weights and dimensions when fitted with winch, pcu or dozer blades see RE Training Memorandum No. 8.)

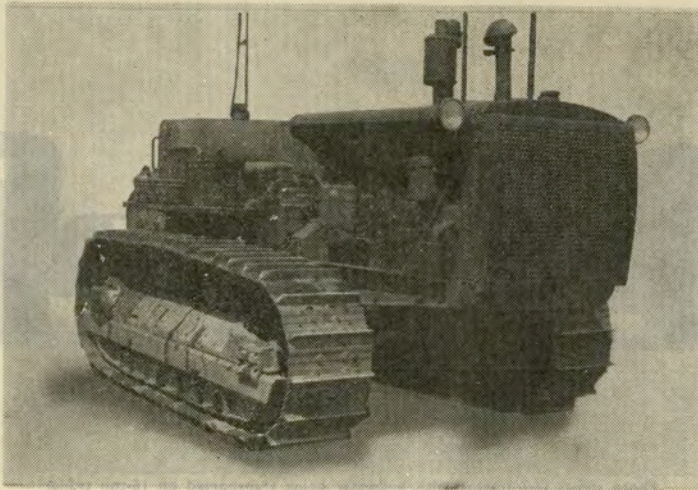


# TRACTOR, D-8

(Caterpillar)

Manufacturer—Caterpillar Tractor Co.

Vehicle Code—TRAC-D8.



**Operational Role**—Used by RCE for short haul excavation, grading, levelling and clearing with dozer blades and other attachments and by RCEME for heavy recovery work. RCEME has winch attachments only.

**Body Details**—All steel, U.S. manufacture. Standard auxiliary equipment includes square (bulldozer) blades, angle dozer blades, power control units (front mounting) for Le Tourneau cranes and Hyster winches for heavy line pulls.

### Performance

Bridge classification.....	(per MTP 74)	24
Maximum gradability.....	(per cent)	65
Turning circle (minimum).....	(ft)	24
Angle of approach.....	(deg)	24
Angle of departure.....	(deg)	30
Fording depth.....	(ins)	35
Fuel consumption (hourly).....	(gals)	4½
Maximum speed.....	(mph)	5

### Engine Details

Manufacturer.....	Caterpillar
Type.....	diesel, 4 cyc, 6 cyls in line
Size.....	bore (ins) 5½, stroke (ins) 8
Power.....	113 bhp at (rpm) 950
Ignition.....	(compression ignition)
Capacity...fuel (gals) 55, water (qts) 90, oil (qts) 24	

### Tire Details

Treads.....	front (ins) 76, rear (ins) 76
Size.....	(not applicable)
Pressure.....	(not applicable)

### Weight and Dimensions

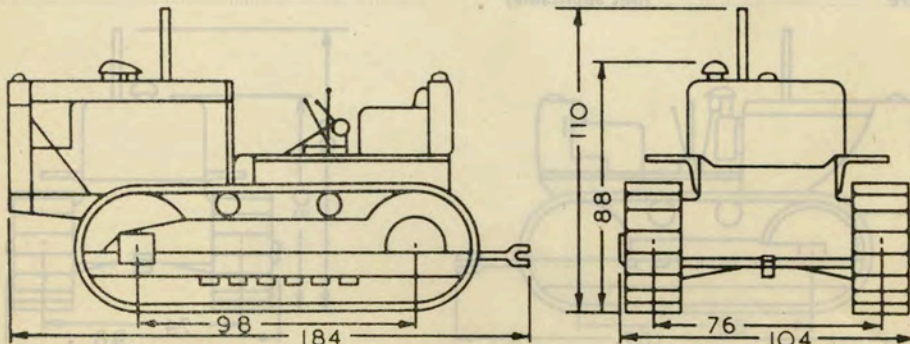
Curb weight (front axle).....	(not applicable)
Curb weight (rear axle).....	(not applicable)
Laden weight (front axle).....	(not applicable)
Laden weight (total).....	(lbs) 32000
Ground clearance (minimum).....	(ins) 10
Wheelbase (front to rear).....	(not applicable)
Shipping space (deck area).....	(sq ft) 135
Shipping space (standing).....	(cu ft) 1220
Dimensions overall.....	(see drawing below)

### Publications Applying

Maintenance manual.....	TM 5-3048
Parts list.....	TM 5-3048
Waterproofing instrs (chassis).....	(not available)

### Additional Data

(For dimensions when equipped with winch, pcu and dozer see Supplement No. 1, Military Engineering, Vol. V.)

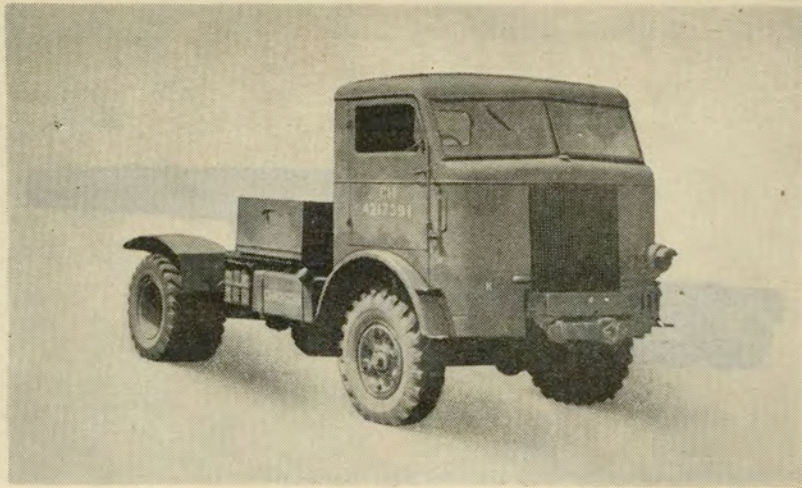


# TRANSPORTER, 16-TON, (TRACTOR)\*

(4-ton, 4 x 4, 144 wb)

Manufacturer—Four Wheel Drive Auto Co.

Vehicle Code—80444-C-TRAC.



**Operational Role**—Used by RCE mechanical equipment companies and recovery companies for towing 16-ton semi-trailer loaded with D-7 tractor and bulldozer or other construction equipment.

**Body Details**—Steel, cab seats two, body is special design with fittings for trailer 5th wheel, and has 15 ton capacity winch with 250 ft of 7/8 in cable.

## Performance

Bridge classification.....(per MTP 74).....	12
Maximum gradability (unladen).....(per cent).....	40
Turning circle (minimum).....(ft).....	76
Angle of approach.....(deg).....	35
Angle of departure.....(deg).....	30
Fording depth.....(ins).....	24
Fuel consumption (average).....(mpg).....	3
Maximum speed.....(mph).....	35

## Engine Details

Manufacturer.....	Waukesha
Type.....	petrol, 4 cyc, 6 cyls in line
Size.....	bore (ins) 4 $\frac{3}{8}$ , stroke (ins) 5 $\frac{1}{2}$
Power.....	126 bhp at (rpm) 2250
Ignition.....	battery (volts) 12
Capacity.....fuel (gals) 70, water (qts) 18, oil (qts) 10	

## Tire Details

Treads.....	front (ins) 70 $\frac{3}{8}$ , rear (ins) 72
Size.....	(ins) 11.00 x 20
Pressure.....	(see current instructions)

## Weight and Dimensions

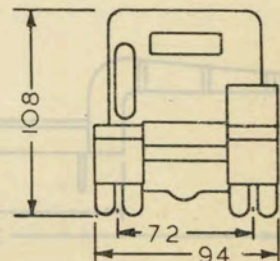
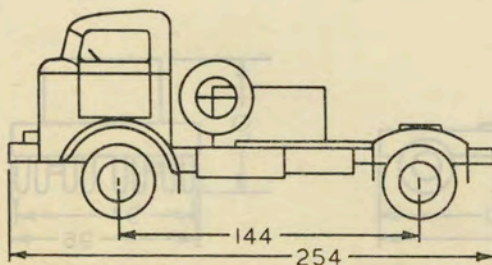
Curb weight (front axle).....(lbs).....	8910
Curb weight (rear axle).....(lbs).....	10890
Laden weight (front axle).....(lbs).....	10080
Laden weight (rear axle).....(lbs).....	22960
Ground clearance (minimum).....(ins).....	13
Wheelbase (front to rear).....(ins).....	144
Shipping space (deck area).....(sq ft).....	170
Shipping space (standing).....(cu ft).....	1500
Dimensions overall.....(see drawing below)	

## Publications Applying

Maintenance manual.....	C444-FWD2
Parts list.....	FWD-SU-02
Waterproofing instrs (chassis).....	AC-93

## Additional Data

(For bridge classification and gradability when towing trailer, see current instructions. Above weight when towing laden and unladen semi-trailer. \*Obsolescent. Used in lieu 20-ton tractor.)

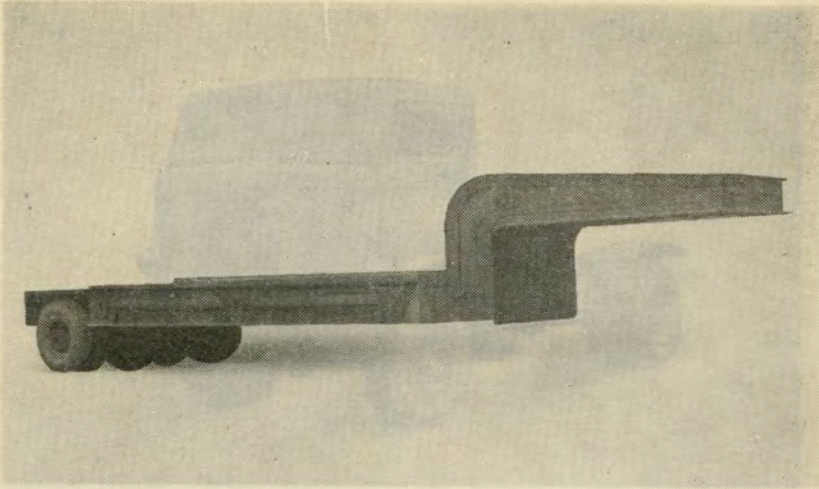


# TRANSPORTER, 16-TON, (TRAILER)\*

(Semi-trailer, 16-ton)

Manufacturer—Gardner.

Vehicle Code—32M-S-LLOW.



**Operational Role**—Used by RCE and other services as semi-trailer to transport bulldozers and similar equipment up to 16 tons weight, the train being towed by FWD medium tractor.

**Body Details**—Steel, length 25 ft, oak platform, gooseneck for fifth wheel attachment. Chassis has oak loading ramps, air brakes operated from tractor. Eight running tires, one spare.

### Performance

Bridge classification.....(per MTP 74).....	7
Maximum gradability.....(not applicable)	
Turning circle (minimum).....(ft).....	76
Angle of approach.....(deg).....	17
Angle of departure.....(deg).....	13
Fording depth.....(ins).....	24
Fuel consumption (average).....(not applicable)	
Maximum speed.....(not applicable)	

### Engine Details

Manufacturer.....(not applicable)	
Type.....(not applicable)	
Size.....(not applicable)	
Power.....(not applicable)	
Ignition.....(not applicable)	
Capacity.....(not applicable)	

### Tire Details

Treads.....(not applicable)	
Size.....(ins) 7.50 x 15	
Pressure.....(see current instructions)	

### Weight and Dimensions

Curb weight (fifth wheel).....(lbs).....	4125
Curb weight (rear axle).....(lbs).....	6235
Laden weight (fifth wheel).....(lbs).....	12500
Laden weight (rear axle).....(lbs).....	19500
Ground clearance (minimum).....(ins).....	12
Wheelbase (front to rear).....(not applicable)	
Shipping space (deck area).....(sq ft).....	200
Shipping space (standing).....(cu ft).....	1200
Dimensions overall.....(see drawing below)	

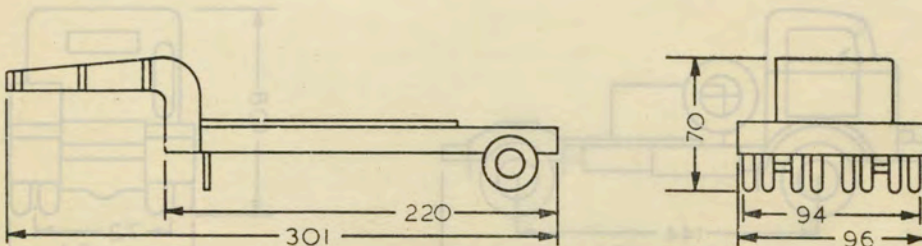
### Publications Applying

Maintenance manual.....	SB-21
Parts list.....	SB-21
Waterproofing instrs (chassis).....(not available)	

### Additional Data

(Small angles of approach and departure necessitate suitable bridging limits. For bridging classification when laden, see current instructions.

\*Obsolescent. Used in lieu 20-ton trailer.)

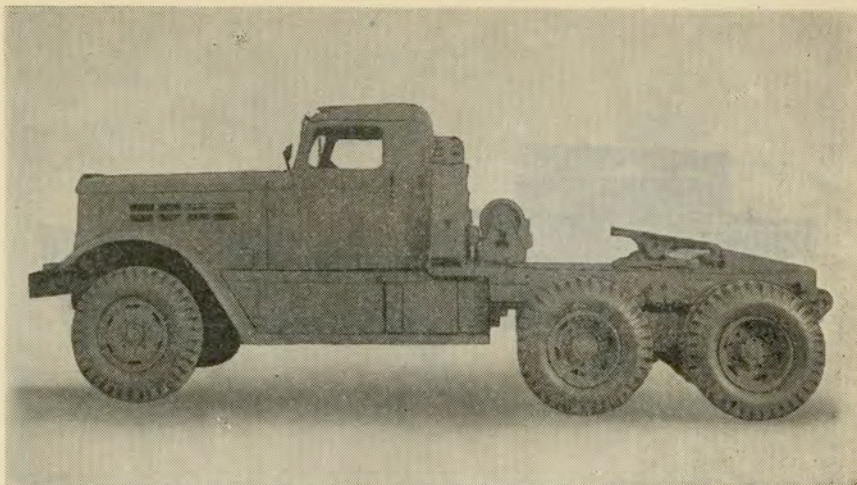


# TRANSPORTER, 20-TON, (TRACTOR)

(6-ton, 6 x 4, 168 wb)

Manufacturer—Federal Motor Truck Co., Reo.

Vehicle Code—80444-C-TRAC.



**Operational Role**—Used by RCE mechanical equipment companies and other units for towing 20-ton semi-trailer loaded with D-8 tractor or equivalent load.

**Body Details**—Steel, cab seats two, body is special design with fittings for trailer 5th wheel, and has 12½ ton capacity winch with 250 ft of  $\frac{3}{4}$  in cable.

## Performance

Bridge classification.....	(per MTP 74).....	13
Maximum gradability (unladen).....	(per cent).....	40
Turning circle (minimum).....	(ft).....	65
Angle of approach.....	(deg).....	45
Angle of departure.....	(deg).....	45
Fording depth.....	(ins).....	24
Fuel consumption (average).....	(mpg).....	4
Maximum speed.....	(mph).....	35

## Engine Details

Manufacturer.....	Cummins
Type.....	diesel, 4 cyc, 6 cyls in line
Size.....	bore (ins) $4\frac{7}{8}$ , stroke (ins) 6
Power.....	150 bhp at (rpm) 1800
Ignition.....	(compression ignition)
Capacity....fuel (gals) 64, water (qts) 33, oil (qts) 16	

## Tire Details

Treads.....	front (ins) $79\frac{1}{2}$ , rear (ins) 74
Size.....	(ins) 10.00 x 20
Pressure.....	(see current instructions)

## Weight and Dimensions

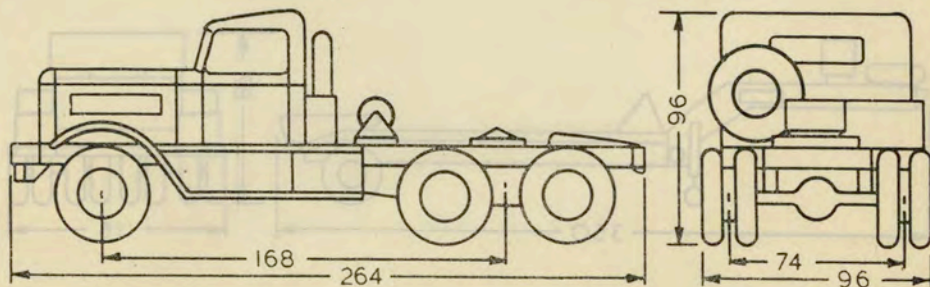
Curb weight (front axle).....	(lbs).....	8000
Curb weight (rear axle).....	(lbs).....	17750
Laden weight (front axle).....	(lbs).....	8400
Laden weight (rear axle).....	(lbs).....	30400
Ground clearance (minimum).....	(ins).....	10
Wheelbase (front to rear).....	(ins).....	168
Shipping space (deck area).....	(sq ft).....	180
Shipping space (standing).....	(cu ft).....	1500
Dimensions overall.....	(see drawing below)	

## Publications Applying

Maintenance manual.....	TM10-1457
Parts list.....	TM10-1456
Waterproofing instrs (chassis).....	(not available)

## Additional Data

(Above covers Federal, Reo is made to same design. For bridge class when towing trailer, see current instructions. Above weights are when towing laden and unladen semi-trailer.)

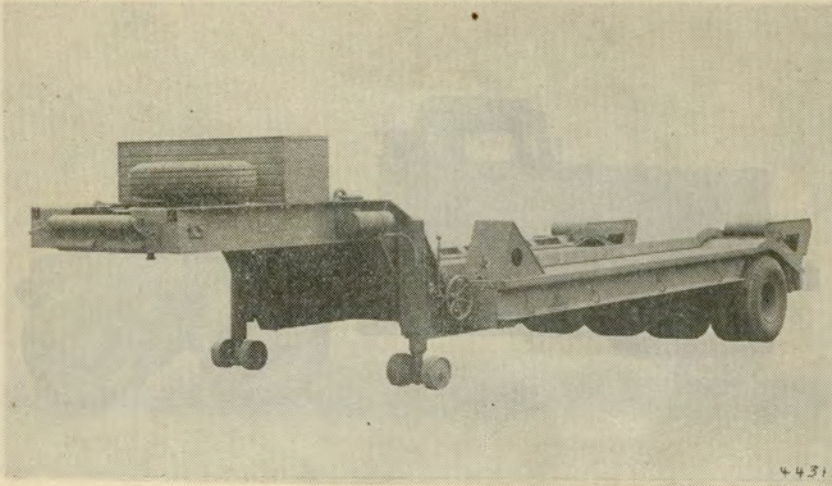


# TRANSPORTER, 20-TON, (TRAILER)

(Semi-trailer, 20-ton)

Manufacturer—Trailmobile Trailer Co.

Vehicle Code—45M-S-TRAN.



**Operational Role**—Used as semi-trailer to transport D-8 tractors and other heavy equipments up to 20 tons weight, the train being towed by Federal 20-ton tractor.

**Body Details**—Steel, length 27 ft, oak platform, gooseneck for fifth wheel attachment. Chassis has hinged steel loading ramps, air brakes operated from tractor. 8 running tires, 1 spare.

## Performance

Bridge classification.....	(per MTP 74).....	7
Maximum gradability.....	(not applicable)	
Turning circle (minimum).....	(ft).....	54
Angle of approach.....	(deg).....	45
Angle of departure.....	(deg).....	30
Fording depth.....	(ins).....	24
Fuel consumption (average).....	(not applicable)	
Maximum speed.....	(not applicable)	

## Engine Details

Manufacturer.....	(not applicable)	
Type.....	(not applicable)	
Size.....	(not applicable)	
Power.....	(not applicable)	
Ignition.....	(not applicable)	
Capacity.....	(not applicable)	

## Tire Details

Treads.....	(not applicable)	
Size.....	(ins) 10.00 x 15	
Pressure.....	(see current instructions)	

## Weight and Dimensions

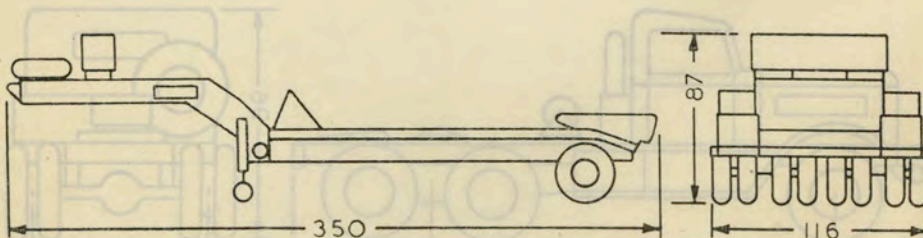
Curb weight (front axle).....	(not applicable)	
Curb weight (rear axle).....	(lbs).....	5830
Laden weight (front axle).....	(not applicable)	
Laden weight (rear axle).....	(lbs).....	37750
Ground clearance (minimum).....	(ins).....	9
Wheelbase (front to rear).....	(not applicable)	
Shipping space (deck area).....	(sq ft).....	290
Shipping space (standing).....	(cu ft).....	2030
Dimensions overall.....	(see drawing below)	

## Publications Applying

Maintenance manual.....	TM10-1121
Parts list.....	TM10-1121
Waterproofing instrs (chassis).....	(not available)

## Additional Data

(Latest models have longer ramps. For bridge classification when laden and towed, see current instructions.)



# TRANSPORTER, RECOVERY, 30-TON (TRACTOR)

(12-ton, 6 x 4, 179 wb)

Manufacturer—Diamond T Motor Car Co.

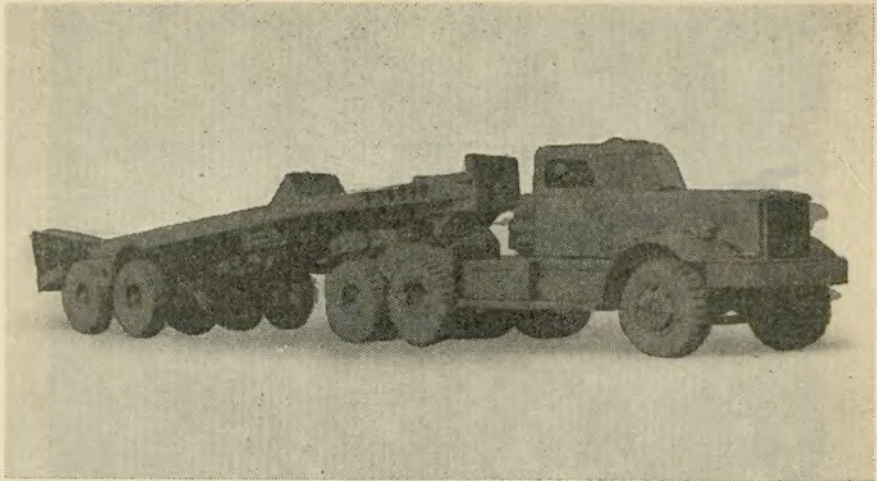


Photo shows tractor coupled to 30-ton recovery trailer

**Operational Role**—Used by RCASC tank transporter units and by recovery companies or towing 30-ton articulated semi-trailer loaded with tanks or other heavy equipment.

**Body Details**—All steel, cab seats two, equipment includes rifle racks in cab, POW carriers, tools, lashing tackle, etc. Has 20-ton winch driven from power take-off and 250 ft of  $\frac{3}{8}$  cable. Frame has turntable attachment on which trailer pivots.

## Performance

Bridge classification.....(per MTP 74).....	13
Maximum gradability.....(per cent).....	25
Turning circle (minimum).....(ft).....	77
Angle of approach.....(deg).....	40
Angle of departure.....(deg).....	51
Fording depth.....(ins).....	32
Fuel consumption (average).....(mpg).....	2
Maximum speed.....(mph).....	22

## Engine Details

Manufacturer.....	Hercules
Type.....	diesel, 4 cyc, 6 cyls in line
Size.....	bore (ins) $5\frac{3}{8}$ , stroke (ins) 6
Power.....	201 bhp at (rpm) 1600
Ignition.....	(compression ignition)
Capacity. fuel (gals) 100, water (qts) 48, oil (qts) 22	

## Tire Details

Treads.....	front (ins) $75\frac{7}{8}$ , rear (ins) 74
Size.....	(ins) 12.00 x 20
Pressure.....	(see current instructions)

## Weight and Dimensions

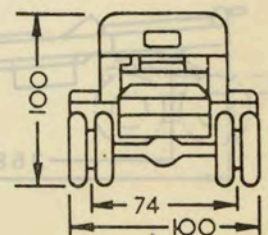
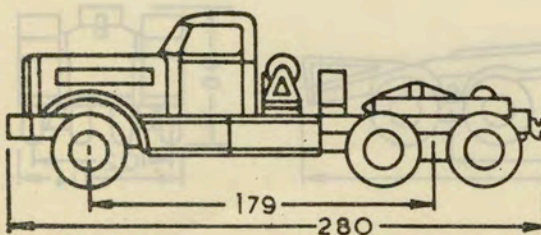
Curb weight (front axle).....(lbs).....	10250
Curb weight (rear axle).....(lbs).....	18420
Laden weight (front axle).....(lbs).....	11200
Laden weight (rear axle).....(lbs).....	40320
Ground clearance (minimum).....(ins).....	11
Wheelbase (front to rear).....(ins).....	179
Shipping space (deck area).....(sq ft).....	200
Shipping space (standing).....(cu ft).....	1620
Dimensions overall.....(see drawing below)	

## Publications Applying

Maintenance manual.....	C649-DT1
Parts list.....	DT980-01
Waterproofing instrs (chassis).....	AC-104

## Additional Data

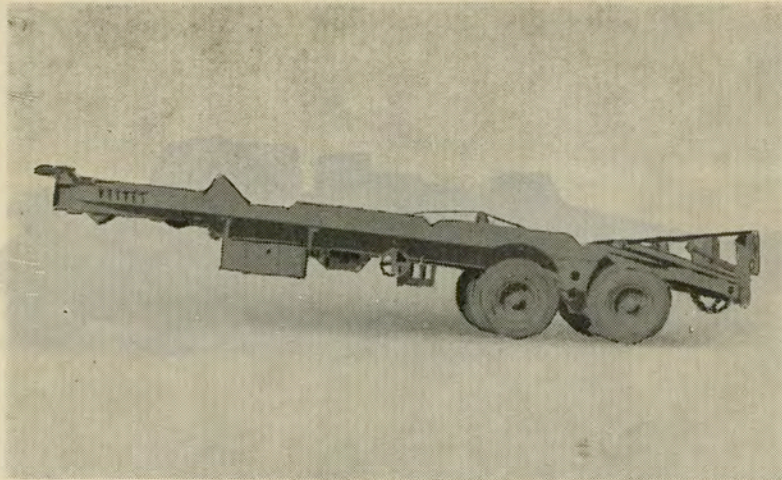
(Above identical tractor 40-ton transporter except no ballast box and turntable added. Above weights when coupled to trailer. Above bridge class for tractor alone.)



# TRANSPORTER, RECOVERY, 30-TON (TRAILER)

(Semi-trailer, 30-ton)

Manufacturer—Shelvoke and Drewry.



**Operational Role**—Used as articulated semi-trailer by RCASC tank transporter units and by RCEME rec coys to transport tanks, the train being towed by Diamond T tractor (modified to couple to trailer).

**Body Details**—All steel, welded construction, air brakes on all wheels, chock blocks, long ramps spring-balanced for easy manhandling. Will carry any tank up to 30 tons weight but in emergency can take the Churchill. Has total of 8 running tires.

## Performance

Bridge classification.....(per MTP 74).....	22
Maximum gradability.....(not applicable)	
Turning circle (minimum).....(ft).....	77
Angle of approach.....(not applicable)	
Angle of departure.....(not applicable)	
Fording depth.....(not applicable)	
Fuel consumption (average).....(not applicable)	
Maximum speed.....(not applicable)	

## Engine Details

Manufacturer.....(not applicable)	
Type.....(not applicable)	
Size.....(not applicable)	
Power.....(not applicable)	
Ignition.....(not applicable)	
Capacity.....(not applicable)	

## Tire Details

Treads.....front (not applicable), rear (ins) 101½	
Size.....(ins) 13.50 x 20	
Pressure.....(see current instructions)	

## Weight and Dimensions

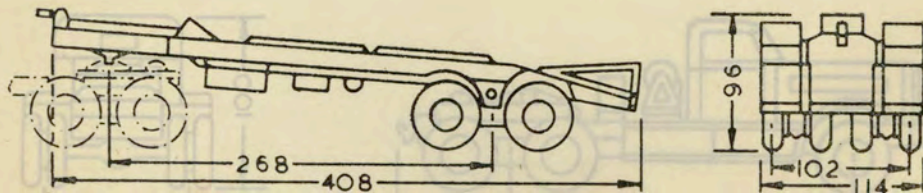
Curb weight (front axle).....(not applicable)	
Curb weight (rear axle).....(lbs).....	21620
Laden weight (front axle).....(not applicable)	
Laden weight (rear axle).....(lbs).....	67880
Ground clearance (minimum).....(ins).....	14
Wheelbase (front to rear).....(not applicable)	
Shipping space (deck area).....(sq ft).....	350
Shipping space (standing).....(cu ft).....	2740
Dimensions overall.....(see drawing below)	

## Publications Applying

Maintenance manual.....(not available)	
Parts list.....	VAOS LV7/TR
Waterproofing instrs (chassis).....(not available)	

## Additional Data

(For bridge classification when laden and towed, see current instructions. Above laden weight with Sherman tank.)



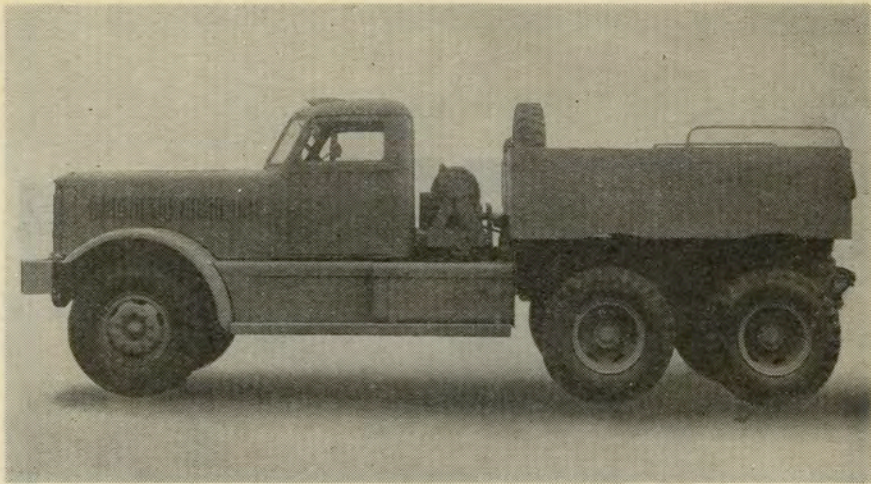


# TRANSPORTER, RECOVERY, 40-TON, (TRACTOR)

(12-ton, 6 x 4, 179 wb)

Manufacturer—Diamond T Motor Car Co.

Vehicle Code—80649-C.



**Operational Role**—Used by RCASC tank transporter companies and by RCEME recovery companies for towing 40-ton trailer loaded with tanks or other heavy equipment.

**Body Details**—Steel, cab seats two, body is special design with box for 7 tons ballast. Equipment includes 20-ton winch driven from power take-off and 250 ft of 7/8 cable.

## Performance

Bridge classification.....	(per MTP 74).....	18
Maximum gradability.....	(per cent).....	25
Turning circle (minimum).....	(ft).....	71
Angle of approach.....	(deg).....	40
Angle of departure.....	(deg).....	51
Fording depth.....	(ins).....	32
Fuel consumption (average).....	(mpg).....	2
Maximum speed.....	(mph).....	22

## Engine Details

Manufacturer.....	Hercules
Type.....	Diesel, 4 cyc, 6 cyls in line
Size.....	bore (ins) $5\frac{7}{8}$ , stroke (ins) 6
Power.....	201 bhp at (rpm) 1600
Ignition.....	(compression ignition)
Capacity.....	fuel (gals) 100, water (qts) 48, oil (qts) 22

## Tire Details

Treads.....	front (ins) $75\frac{7}{8}$ , rear (ins) 74
Size.....	(ins) 12.00 x 20
Pressure.....	(see current instructions)

## Weight and Dimensions

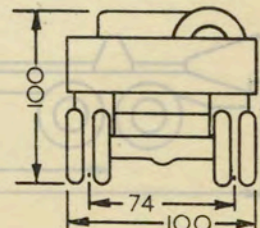
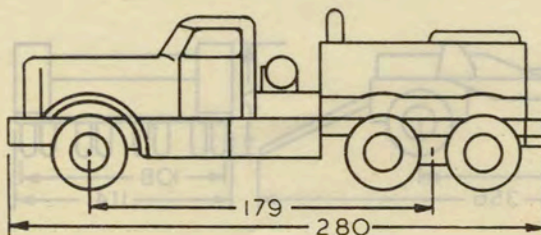
Curb weight (front axle).....	(lbs).....	10900
Curb weight (rear axle).....	(lbs).....	17700
Laden weight (front axle).....	(lbs).....	11000
Laden weight (rear axle).....	(lbs).....	38000
Ground clearance (minimum).....	(ins).....	11
Wheelbase (front to rear).....	(ins).....	179
Shipping space (deck area).....	(sq ft).....	200
Shipping space (standing).....	(cu ft).....	1620
Dimensions overall.....	(see drawing below)	

## Publications Applying

Maintenance manual.....	C649-DT1
Parts list.....	DT980-01
Waterproofing instrs (chassis).....	AC-104

## Additional Data

(For bridge classification when towing laden trailer, see current instructions. Above weight figures are when laden with 7 tons of ballast.)

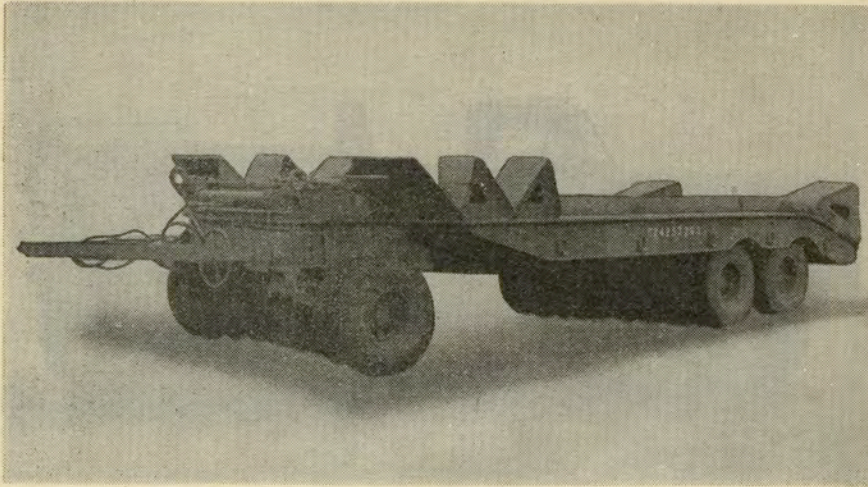


# TRANSPORTER, RECOVERY, 40-TON, (TRAILER)

(Full trailer, 40-ton)

Manufacturer—Rogers Brothers.

Vehicle Code—90M-F-TREC.



**Operational Role**—Used as full trailer by RCASC tank transporter units and by RCEME recovery companies to transport tanks, the train being towed by Diamond T 40-ton tractor.

**Body Details**—All-steel, welded construction, air brakes on all wheels, chock blocks, lashing eyes, snatch blocks, guide angles, hinged ramps. Total of 24 running tires, 2 spares.

## Performance

Bridge classification.....(per MTP 74).....	10
Maximum gradability.....(not applicable)	
Turning circle (minimum).....(ft).....	72
Angle of approach.....(deg).....	40
Angle of departure.....(deg).....	24
Fording depth.....(ins).....	24
Fuel consumption (average).....(not applicable)	
Maximum speed.....(not applicable)	

## Engine Details

Manufacturer.....(not applicable)	
Type.....(not applicable)	
Size.....(not applicable)	
Power.....(not applicable)	
Ignition.....(not applicable)	
Capacity.....(not applicable)	

## Tire Details

Treads.....(not applicable)	
Size.....(ins) 8.25 x 15	
Pressure.....(see current instructions)	

## Weight and Dimensions

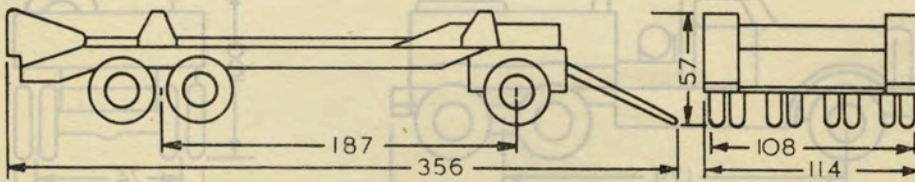
Curb weight (front axle).....(lbs).....	9800
Curb weight (rear bogie).....(lbs).....	13000
Laden weight (front axle).....(lbs).....	37600
Laden weight (rear bogie).....(lbs).....	76210
Ground clearance (minimum).....(ins).....	12
Wheelbase (front to rear).....(ins).....	187
Shipping space (deck area).....(sq ft).....	290
Shipping space (standing).....(cu ft).....	1400
Dimensions overall.....(see drawing below)	

## Publications Applying

Maintenance manual.....	TRAN-RBI
Parts list.....	TRAN-RBI
Waterproofing instrs (chassis).....	No. 34

## Additional Data

(For bridge classification when laden and towed, see current instructions.)



## THIRD SECTION

### *Trailers*

In the pages of the succeeding section of this book, trailers are listed in the following order :

Trailers, 10-cwt

Trailers, 15-cwt

Trailers, 20-cwt

Trailers, 1-ton

Trailers, 2-ton

Trailers, 3-ton

Trailers, 4-ton

Trailers, 5-ton

Trailers, 6-ton

Trailers, 7-ton

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# TRAILER, 10-CWT, GS

(10-cwt, 2-wh)

Manufacturer—Canadian manufacture per AEDB specifications.

Vehicle Code—10-P-GS.

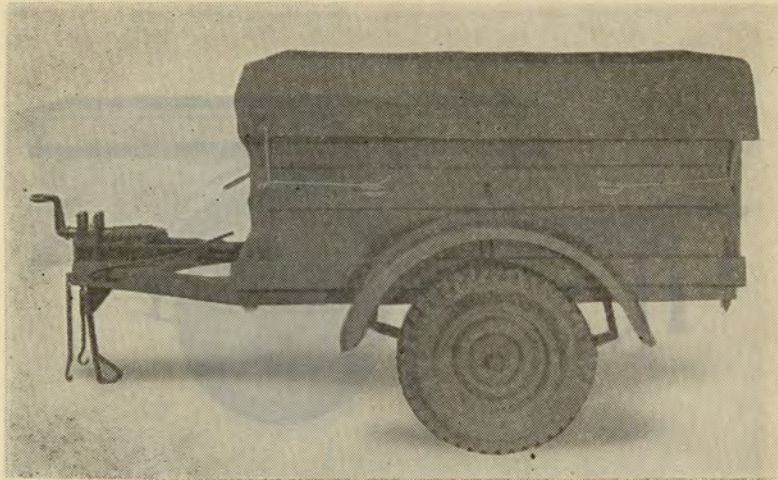


Photo shows parking jack down, safety chains ready for hookup to towing vehicle

**Operational Role**—Used as general purpose load carrier by all arms and services to transport supplies and stores of size and weight within its capacity. Can be towed by any Canadian Military Pattern vehicle, generally 5-cwt or 15-cwt.

**Body Details**—Steel frame, wood body, flat tarpaulin, impact brakes, parking jack in front, towing eye, rear tow hook to permit use in train, tail, stop and convoy lights operated by cable from towing vehicle.

## Performance

Bridge classification.....	(per MTP 74).....	1
Maximum gradability.....	(not applicable)	
Turning circle (minimum).....	(not applicable)	
Angle of approach.....	(not applicable)	
Angle of departure.....	(not applicable)	
Fording depth.....	(ins).....	24
Fuel consumption (average).....	(not applicable)	
Maximum speed.....	(not applicable)	

## Engine Details

Manufacturer.....	(not applicable)
Type.....	(not applicable)
Size.....	(not applicable)
Power.....	(not applicable)
Ignition.....	(not applicable)
Capacity.....	(not applicable)

## Tire Details

Treads.....	front (not applicable), rear (ins) 50
Size.....	(ins) 6.00 x 16
Pressure.....	(see current instructions)

## Weight and Dimensions

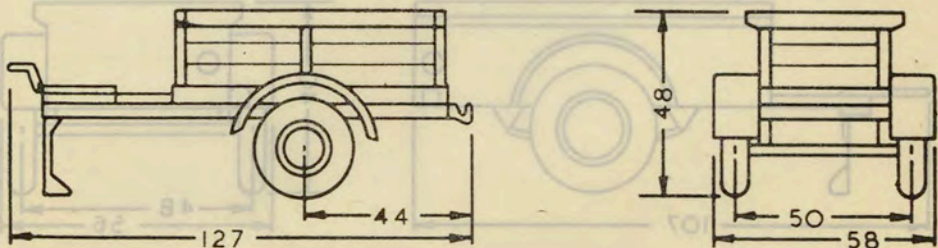
Curb weight (towing eye).....	(lbs).....	72
Curb weight (rear axle).....	(lbs).....	790
Laden weight (towing eye).....	(lbs).....	72
Laden weight (rear axle).....	(lbs).....	1910
Ground clearance (minimum).....	(ins).....	9
Wheelbase (front to rear).....	(not applicable)	
Shipping space (deck area).....	(sq ft).....	50
Shipping space (standing).....	(cu ft).....	200
Dimensions overall.....	(see drawing below)	

## Publications Applying

Maintenance manual.....	SB-8
Parts list.....	SB-8
Waterproofing instrs (chassis).....	No. 33

## Additional Data

(For bridge classification when towed, see current instructions.)

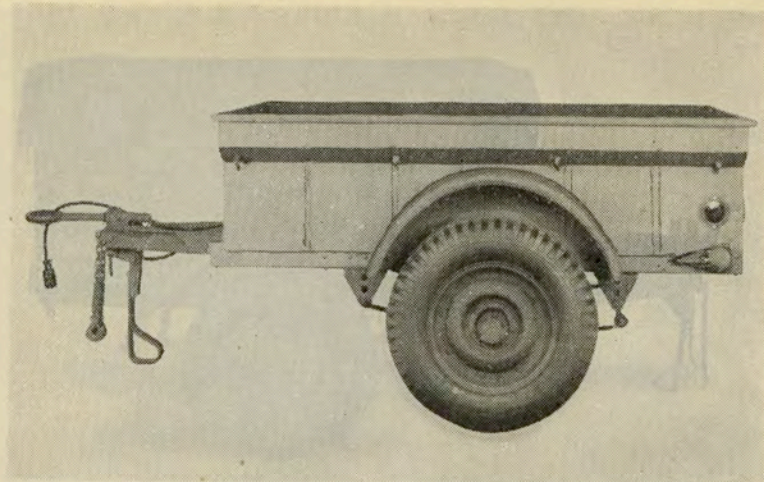


# TRAILER, 10-CWT, GS

(10-cwt, 2-wh)

Manufacturer—Willys Overland.

Vehicle Code—10-P-GS.



**Operational Role**—Used as a general purpose load carrier by all arms and services to transport supplies and stores of all kinds within its capacity. Has amphibian potentialities as trailer will float with 500 lb load with 6 ins freeboard. Can be towed by any Canadian Military Pattern vehicle, generally by 5-cwt or 15-cwt.

**Body Details**—All steel, flat tarpaulin cover, hand parking brake only, parking jack in front, towing eye, rear tow hook to permit use in train. Has tail light, stop light and convoy light operated by cable from towing vehicle.

## Performance

Bridge classification.....	(per MTP 74).....	I
Maximum gradability.....	(not applicable)	
Turning circle (minimum).....	(not applicable)	
Angle of approach.....	(not applicable)	
Angle of departure.....	(not applicable)	
Fording depth.....	(ins).....	24
Fuel consumption (average).....	(not applicable)	
Maximum speed.....	(not applicable)	

## Engine Details

Manufacturer.....	(not applicable)
Type.....	(not applicable)
Size.....	(not applicable)
Power.....	(not applicable)
Ignition.....	(not applicable)
Capacity.....	(not applicable)

## Tire Details

Treads.....	front (not applicable), rear (ins) 48
Size.....	(ins) 6.00 x 16
Pressure.....	(see current instructions)

## Weight and Dimensions

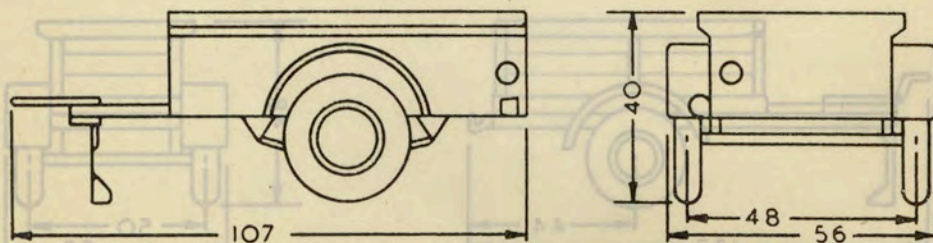
Curb weight (towing eye).....	(lbs).....	70
Curb weight (rear axle).....	(lbs).....	560
Laden weight (towing eye).....	(lbs).....	70
Laden weight (rear axle).....	(lbs).....	1680
Ground clearance (minimum).....	(ins).....	12
Wheelbase (front to rear).....	(not applicable)	
Shipping space (deck area).....	(sq ft).....	45
Shipping space (standing).....	(cu ft).....	150
Dimensions overall.....	(see drawing below)	

## Publications Applying

Maintenance manual.....	TM10-1230
Parts list.....	SNL G-605
Waterproofing instrs (chassis).....	No. 33

## Additional Data

(For bridge classification when towed, see current instructions.)

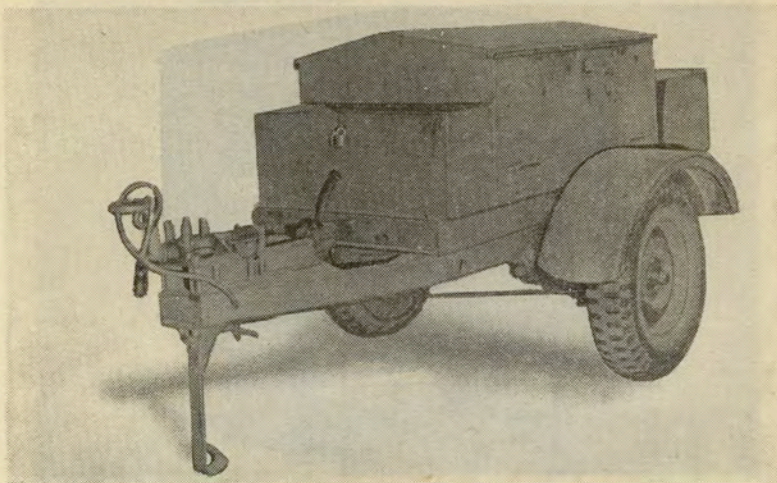


# TRAILER, CABLE SPlicing

(10-cwt, 2-wh)

Manufacturer—Dominion Truck Equipment Co.

Vehicle Code—10-P-CASP.



**Operational Role**—Used by RC Sigs line sections and line construction companies for splicing quad cable and multi air line cables generally in Army area and along L of C. Can be towed by any Canadian Military Pattern vehicle.

**Body Details**—All steel, impact brakes, front parking jack, towing eye, and has 3 main compartments. Tools carried include soldering coppers, blow torches, pliers, hand drills, hammers, files, clamps, bender and supplies such as solder, paraffin, shellac, oakum, tape, etc.

## Performance

Bridge classification.....	(per MTP 74).....	1
Maximum gradability.....	(not applicable)	
Turning circle (minimum).....	(not applicable)	
Angle of approach.....	(not applicable)	
Angle of departure.....	(not applicable)	
Fording depth.....	(ins).....	24
Fuel consumption (average).....	(not applicable)	
Maximum speed.....	(not applicable)	

## Engine Details

Manufacturer.....	(not applicable)
Type.....	(not applicable)
Size.....	(not applicable)
Power.....	(not applicable)
Ignition.....	(not applicable)
Capacity.....	(not applicable)

## Tire Details

Treads.....	front (not applicable), rear (ins) 50
Size.....	(ins) 6.00 x 16
Pressure.....	(see current instructions)

## Weight and Dimensions

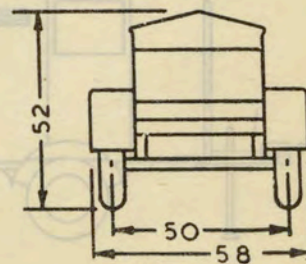
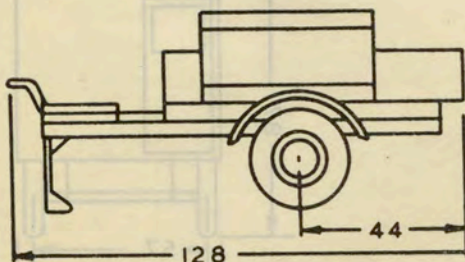
Curb weight (towing eye).....	(lbs).....	75
Curb weight (rear axle).....	(lbs).....	1275
Laden weight (towing eye).....	(lbs).....	75
Laden weight (rear axle).....	(lbs).....	1275
Ground clearance (minimum).....	(ins).....	12
Wheelbase (front to rear).....	(not applicable)	
Shipping space (deck area).....	(sq ft).....	60
Shipping space (standing).....	(cu ft).....	220
Dimensions overall.....	(see drawing below)	

## Publications Applying

Maintenance manual.....	SB-8
Parts list.....	SB-8
Waterproofing instrs (chassis).....	(not available)

## Additional Data

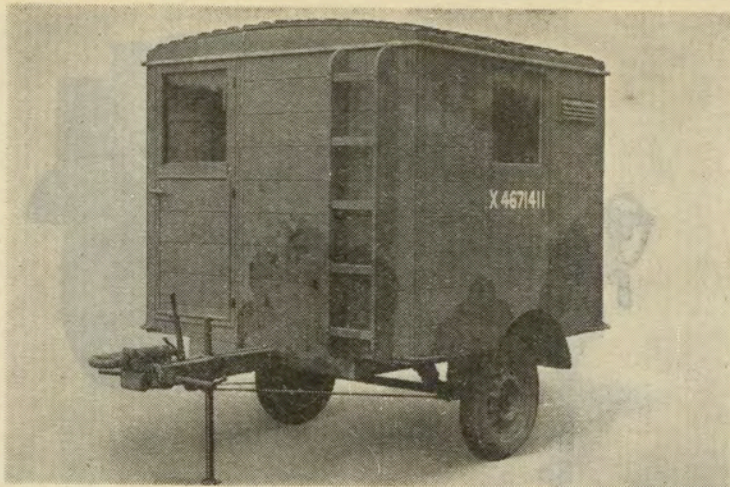
(For bridge classification when towed, see current instructions.)



# TRAILER, DIRECTION FINDING

(10-cwt, 2-wh)

Manufacturer—Transport Engineering Co.



**Operational Role**—Used by RC Sigs special wireless sections types A and B and by L of C Sigs for determining location of enemy wireless stations and for monitoring duty when required. Normally towed by 3-tonner.

**Body Details**—House type, light weight, rear door, windows, impact brakes, parking brake. Seats 2 operators with equipment including No. 106 reception set. Has loops which are mounted on roof for operation of No. 107 set for receiving instructions etc., and 2 sigs 85-amp hour, 6 volt batteries.

## Performance

Bridge classification.....	(per MTP 74).....	2
Maximum gradability.....	(not applicable)	
Turning circle (minimum).....	(not applicable)	
Angle of approach.....	(not applicable)	
Angle of departure.....	(not applicable)	
Fording depth.....	(ins).....	24
Fuel consumption (average).....	(not applicable)	
Maximum speed.....	(not applicable)	

## Engine Details

Manufacturer.....	(not applicable)
Type.....	(not applicable)
Size.....	(not applicable)
Power.....	(not applicable)
Ignition.....	(not applicable)
Capacity.....	(not applicable)

## Tire Details

Treads.....	front (not applicable), rear (ins)	57
Size.....	(ins)	5.25 x 16
Pressure.....	(see current instructions)	

## Weight and Dimensions

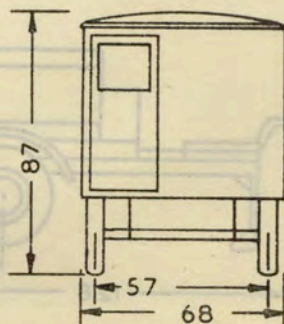
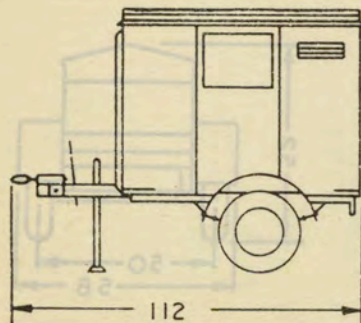
Curb weight (front axle).....	(lbs).....	1680
Curb weight (rear axle).....	(not applicable)	
Laden weight (front axle).....	(lbs).....	2030
Laden weight (rear axle).....	(not applicable)	
Ground clearance (minimum).....	(ins).....	12
Wheelbase (front to rear).....	(not applicable)	
Shipping space (deck area).....	(sq ft).....	60
Shipping space (standing).....	(cu ft).....	390
Dimensions overall.....	(see drawing below)	

## Publications Applying

Maintenance manual.....	(not available)
Parts list.....	VAOS LV7/TR
Waterproofing instrs (chassis).....	(not available)

## Additional Data

(For bridge classification when towed, see current instructions.)



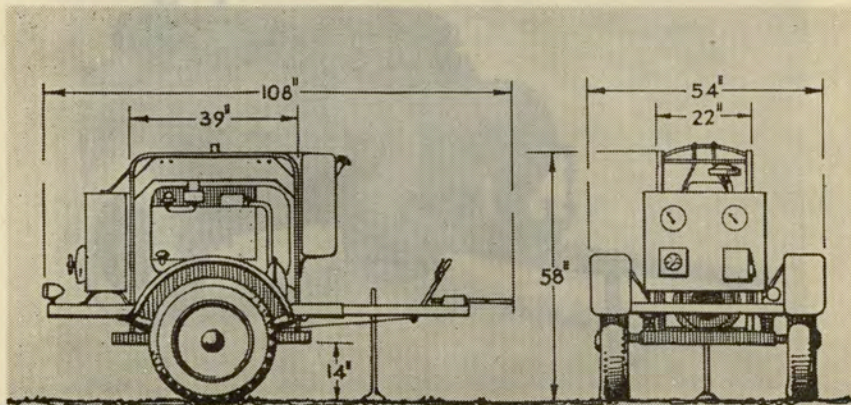
# TRAILER, GENERATOR, 6-KVA

and

# TRAILER, GENERATOR, 6-KW

(10-cwt, 2-wh)

**Manufacturer**—Several UK firms.



(Final details not settled, diagram based on available information)

**Operational Role**—Used by RC Sigs in medium Wireless Sections, ASSU, Armd Div Sigs and Inf Div Sigs. Two separate vehs. 6-kva alternator supplies alternating current 80 and 120 volts for group of command vehicles in a wireless camp. 6-kw generator supplies direct current for battery charging.

**Body Details**—British standard 10-cwt, two wheeled, lightweight GS trailer has been selected for prototype chassis to carry generators with switchboards and accessories. Impact brakes, parking jack, convoy lights, superstructure and tarpaulin.

### Performance

Bridge classification.....	(per MTP 74).....	1
Maximum gradability.....	(not applicable)	
Turning circle (minimum).....	(not applicable)	
Angle of approach.....	(not applicable)	
Angle of departure.....	(not applicable)	
Fording depth.....	(ins).....	24
Fuel consumption (average).....	(not applicable)	
Maximum speed.....	(not applicable)	

### Engine Details

Manufacturer.....	(not applicable)
Type.....	(not applicable)
Size.....	(not applicable)
Power.....	(not applicable)
Ignition.....	(not applicable)
Capacity.....	(not applicable)

### Tire Details

Treads.....	front (not applicable), rear (ins) 46
Size.....	(ins) 6.00 x 16
Pressure.....	(see current instructions)

### Weight and Dimensions

Curb weight (front axle).....	(not available)
Curb weight (rear axle).....	(not available)
Laden weight (front axle).....	(not available)
Laden weight (total).....	(lbs)..... 1680
Ground clearance (minimum).....	(ins)..... 14
Wheelbase (front to rear).....	(not applicable)
Shipping space (deck area).....	(sq ft)..... 40
Shipping space (standing).....	(cu ft)..... 200
Dimensions overall.....	(see drawing above)

### Publications Applying

Maintenance manual.....	(not available)
Parts list.....	VAOS LV7/TR
Waterproofing instrs (chassis).....	(not available)

### Additional Data

[Full details are not available at date of publication.  
For dimensions see engraving at top of this page.]



# TRAILER, COMPRESSOR

(15-cwt, 2-wh)

Manufacturer—Several firms per AEDB specifications.

Vehicle Code—15-P-COMP.

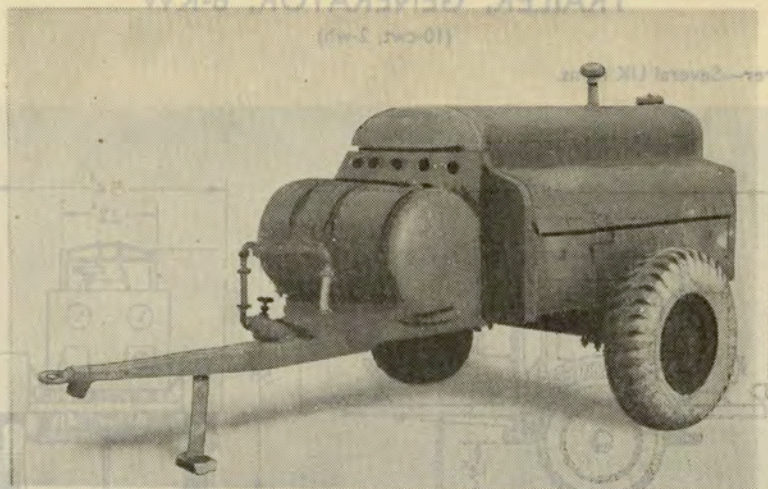


Photo shows single tongue, some have double tongue. (Recent issues are 20-cwts with 7.00 x 20 tires, and impact brakes.)

**Operational Role**—Used by RCE for supply of compressed air to hammer rock drills, concrete breakers, light picks, wood-boring machines, sump pumps, etc., which tools are carried in towing vehicle for use in construction or demolition work.

**Body Details**—All steel, impact brakes, parking jacks, towing eye. Compressor capacity, 105 cu ft per min at 100 lbs pressure, driven by petrol engine, has intercooler, receiver, tools, spare parts, air hoses.

### Performance

Bridge classification.....(per MTP 74).....	3
Maximum gradability.....(not applicable)	
Turning circle (minimum).....(not applicable)	
Angle of approach.....(not applicable)	
Angle of departure.....(not applicable)	
Fording depth.....(ins).....	24
Fuel consumption (average).....(not applicable)	
Maximum speed.....(not applicable)	

### Engine Details

Manufacturer.....	Waukesha
Type.....	petrol, 4 cyc, 4 cys in line
Size.....	bore (ins) 4½, stroke (ins) 5½
Power.....	(not available)
Ignition.....	magneto
Capacity...fuel (gals) 26, water (qts) 52, oil (qts) 8	

### Tire Details

Treads.....	front (not applicable), rear (ins) 70½
Size.....	(ins) 9.00 x 16
Pressure.....	(see current instructions)

### Weight and Dimensions

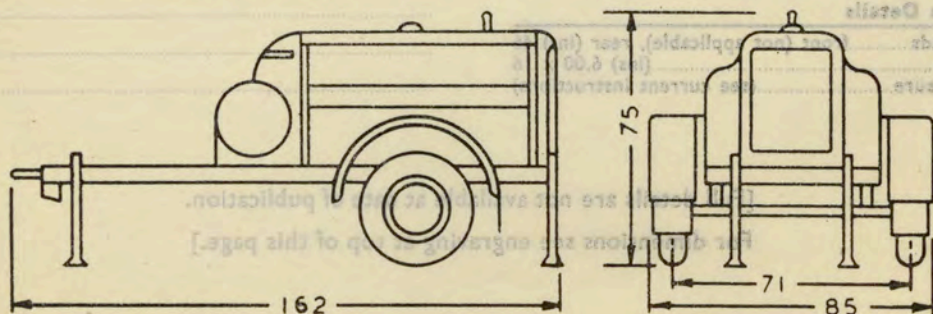
Curb weight (towing eye).....(lbs).....	180
Curb weight (rear axle).....(lbs).....	5625
Laden weight (towing eye).....(lbs).....	180
Laden weight (rear axle).....(lbs).....	5625
Ground clearance (minimum).....(ins).....	14
Wheelbase (front to rear).....(not applicable)	
Shipping space (deck area).....(sq ft).....	95
Shipping space (standing).....(cu ft).....	570
Dimensions overall.....(see drawing below)	

### Publications Applying

Maintenance manual.....	SB-5
Parts list.....	COMP-IR-1
Waterproofing instrs (chassis).....	No. 523

### Additional Data

(For bridge classification when towed, see current instructions. Unit often mounted on skids and carried on 3-tonner. Engine details apply to compressor.)

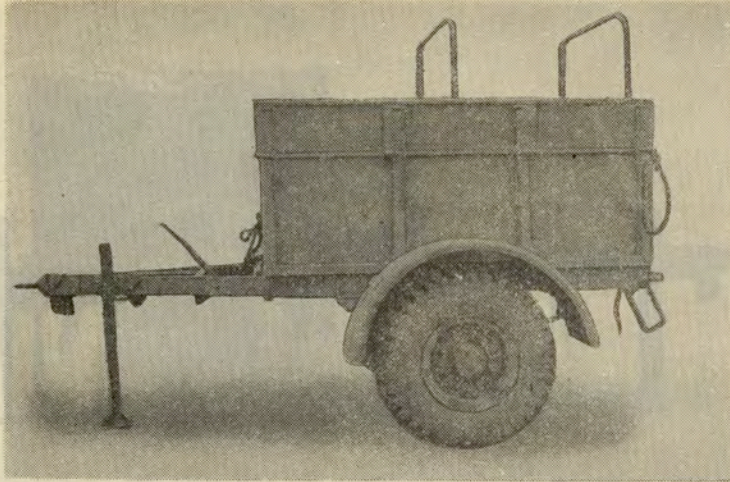


# TRAILER, GAS WELDING

(15-cwt, 2-wh)

Manufacturer—Several firms per AEDB specifications.

Vehicle Code—15-P-WELD.



Recent issues are 20-cwts with 7.00 x 20 tires

**Operational Role**—Used by RCE and RCME units as portable oxy-acetylene welding outfit and for blacksmith work in connection therewith. Used in conjunction with KL electric welding truck in certain RCME units.

**Body Details**—All steel, superstructure, tarpaulin, impact brakes, parking jacks. Equipment includes acetylene and oxygen cylinders, cutting and welding outfit with regulators, torches, etc., and blacksmith outfit including forge, anvil, vice, hand tools. All equipment carried on sub-structure which can be removed as a unit.

### Performance

Bridge classification.....	(per MTP 74).....	2
Maximum gradability.....	(not applicable)	
Turning circle (minimum).....	(not applicable)	
Angle of approach.....	(not applicable)	
Angle of departure.....	(not applicable)	
Fording depth.....	(ins).....	24
Fuel consumption (average).....	(not applicable)	
Maximum speed.....	(not applicable)	

### Engine Details

Manufacturer.....	(not applicable)
Type.....	(not applicable)
Size.....	(not applicable)
Power.....	(not applicable)
Ignition.....	(not applicable)
Capacity.....	(not applicable)

### Tire Details

Treads.....	front (not applicable), rear (ins) 70½
Size.....	(ins) 9.00 x 16
Pressure.....	(see current instructions)

### Weight and Dimensions

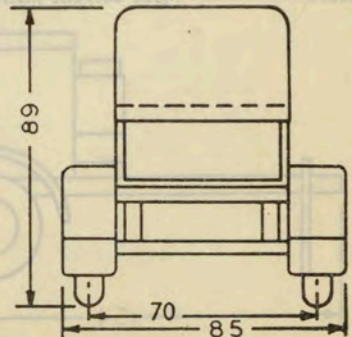
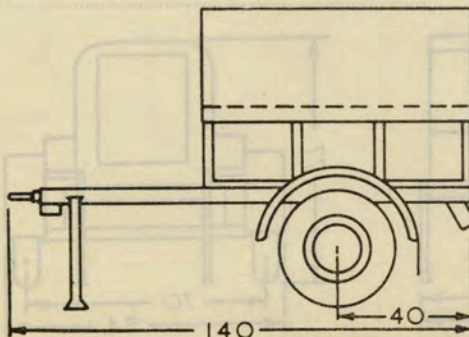
Curb weight (towing eye).....	(lbs).....	150
Curb weight (rear axle).....	(lbs).....	3750
Laden weight (towing eye).....	(lbs).....	150
Laden weight (rear axle).....	(lbs).....	3750
Ground clearance (minimum).....	(ins).....	15
Wheelbase (front to rear).....	(not applicable)	
Shipping space (deck area).....	(sq ft).....	85
Shipping space (standing).....	(cu ft).....	600
Dimensions overall.....	(see drawing below)	

### Publications Applying

Maintenance manual.....	SB-4A
Parts list.....	SB-4A
Waterproofing instrs (chassis).....	No. 527

### Additional Data

(For bridge classification when towed, see current instructions.)

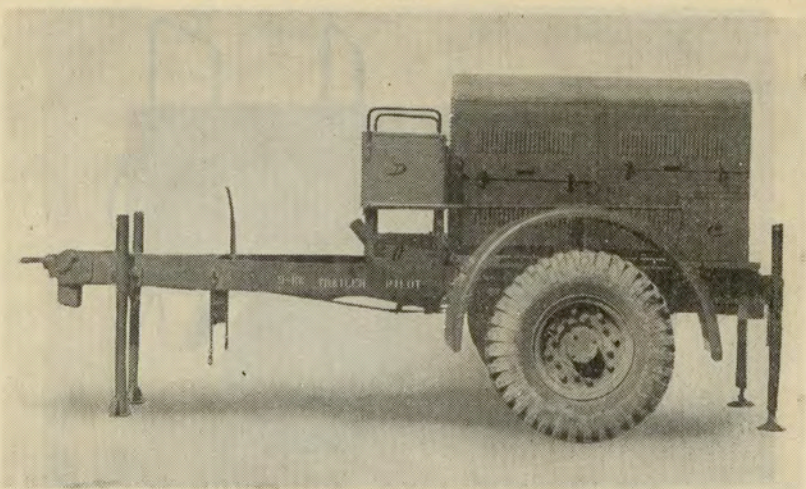


# TRAILER, GENERATOR, 9-KW

(15-cwt, 2-wh)

Manufacturer—Several firms per AEDB specifications.

Vehicle Code—15-P-GEN-9.



Recent issues are 20-cwts with 7.00 x 20 tires

**Operational Role**—Used by 2nd and 3rd echelon RCEME workshops for supplying 110 volt direct current power to machinery lorries, by RCE workshops and construction companies, and by Army and Corps formation headquarters for lighting supply.

**Body Details**—All steel, ventilated housing, impact brakes, tarpaulin, parking jacks. Generator unit is 9-kw capacity, 115 volts, driven by 4 cyl engine. Equipment includes power control panel with instruments, interconnecting cables and spare parts for running repairs.

## Performance

Bridge classification.....	(per MTP 74).....	2
Maximum gradability.....	(not applicable)	
Turning circle (minimum).....	(not applicable)	
Angle of approach.....	(not applicable)	
Angle of departure.....	(not applicable)	
Fording depth.....	(ins).....	24
Fuel consumption (average).....	(not applicable)	
Maximum speed.....	(not applicable)	

## Engine Details

Manufacturer.....	Willys
Type.....	petrol, 4 cyc, 4 cyps in line
Size.....	bore (ins) $3\frac{1}{8}$ , stroke (ins) $4\frac{3}{8}$
Power.....	60 bhp at (rpm) 3600
Ignition.....	battery (volts) 6
Capacity...fuel (gals) 12, water (qts) 14, oil (qts) 4	

## Tire Details

Treads.....	front (not applicable), rear (ins) $70\frac{1}{2}$
Size.....	(ins) 9.00 x 16
Pressure.....	(see current instructions)

## Weight and Dimensions

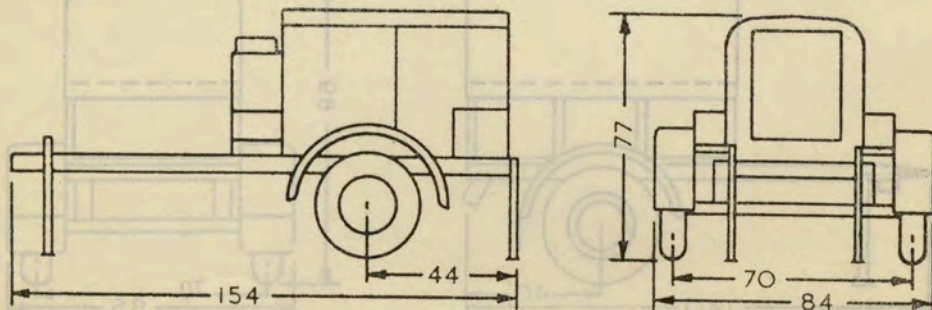
Curb weight (towing eye).....	(lbs).....	205
Curb weight (rear axle).....	(lbs).....	3655
Laden weight (towing eye).....	(lbs).....	205
Laden weight (rear axle).....	(lbs).....	3655
Ground clearance (minimum).....	(ins).....	13
Wheelbase (front to rear).....	(not applicable)	
Shipping space (deck area).....	(sq ft).....	90
Shipping space (standing).....	(cu ft).....	570
Dimensions overall.....	(see drawing below)	

## Publications Applying

Maintenance manual.....	WM-3848
Parts list.....	WM-3848
Waterproofing instrs (chassis).....	(not available)

## Additional Data

(For bridge classification when towed, see current instructions. Engine details above apply to engine driving generator.)



# TRAILER, GENERATOR, 22-KW

(15-cwt, 2-wh)

Manufacturer—Several firms per AEDB specifications. Vehicle Code—15-P-GEN-22.

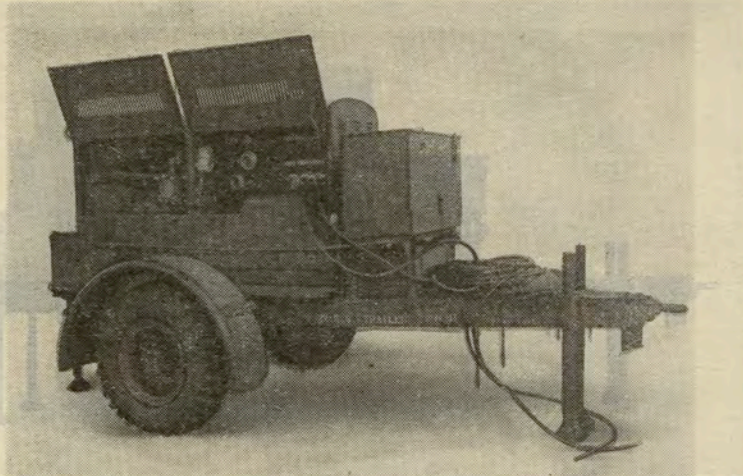


Photo shows panels raised, cables attached, parking jacks. (Recent issues are 20-cwts with 7.00 x 20 tires.)

**Operational Role**—Used by RCEME 3rd echelon workshops for supplying 110 volt direct current power to machinery lorries or trailers in the field by interconnection.

**Body Details**—All steel, ventilated housing, impact brakes, tarpaulin, parking jacks. Generator unit is 25-kw capacity at 115 volts dc, driven by V-8 engine. Equipment includes power control panel with necessary instruments, interconnecting cables, and spare parts for running repairs.

## Performance

Bridge classification	(per MTP 74)	2
Maximum gradability	(not applicable)	
Turning circle (minimum)	(not applicable)	
Angle of approach	(not applicable)	
Angle of departure	(not applicable)	
Fording depth	(ins)	24
Fuel consumption (average)	(not applicable)	
Maximum speed	(not applicable)	

## Engine Details

Manufacturer	Ford	
Type	petrol, 4 cyc, 8 cys, V-8	
Size	bore (ins)	3 3/16, stroke (ins)
Power	95 bhp at (rpm) 3600	
Ignition	battery (volts) 6	
Capacity	fuel (gals)	15, water (qts) 23, oil (qts) 4

## Tire Details

Treads	front (not applicable), rear (ins)	70 1/2
Size	(ins)	9.00 x 16
Pressure	(see current instructions)	

## Weight and Dimensions

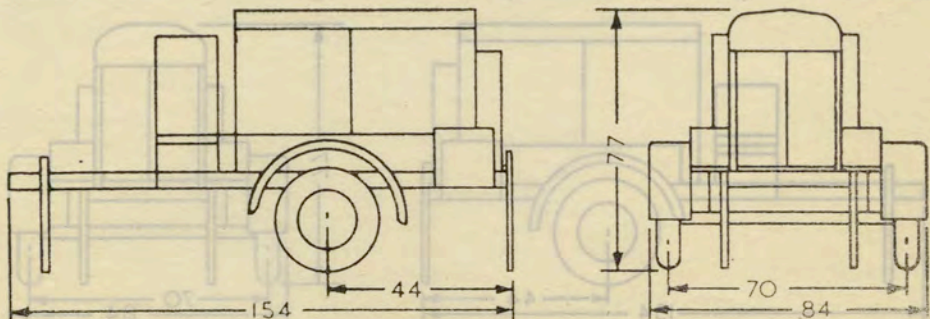
Curb weight (towing eye)	(lbs)	210
Curb weight (rear axle)	(lbs)	4765
Laden weight (towing eye)	(lbs)	210
Laden weight (rear axle)	(lbs)	4765
Ground clearance (minimum)	(ins)	13
Wheelbase (front to rear)	(not applicable)	
Shipping space (deck area)	(sq ft)	90
Shipping space (standing)	(cu ft)	570
Dimensions overall	(see drawing below)	

## Publications Applying

Maintenance manual	WM-3849
Parts list	WM-3849
Waterproofing instrs (chassis)	(not available)

## Additional Data

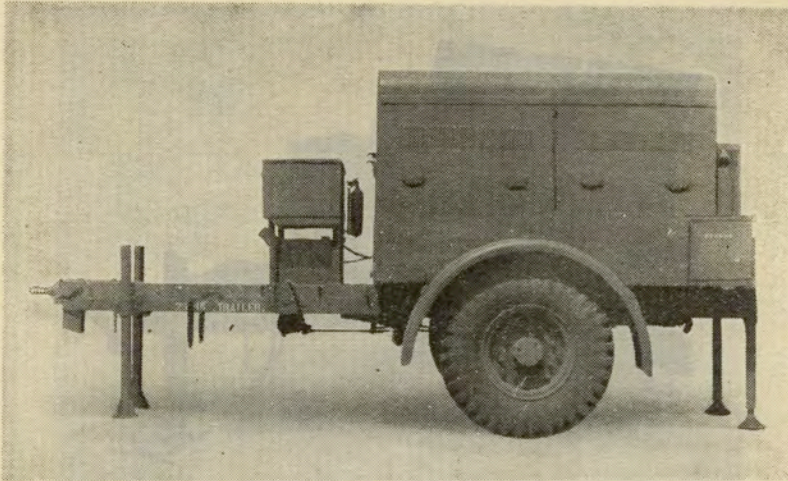
(For bridging classification when towed, see current instructions. Engine details above apply to engine driving generator.)



# TRAILER, GENERATOR, RE, 25-KW

(15-cwt, 2-wh)

Manufacturer—Several firms per AEDB specifications. Vehicle Code—15-P-GEN-25.



Recent issues are 20-cwts with 7.00 x 20 tires.

**Operational Role**—Used by RCE field park squadrons and companies and E and M sections for supplying 110 volt direct current power to RE machinery lorries and for light welding up to 200 amperes.

**Body Details**—All steel, ventilated housing, impact brakes, tarpaulin, parking jacks. Power generator is 25-kw capacity, 115 volts, driven by V-8 engine. Welding generator is 200 amps at 35 volts, driven by same engine. Equipment includes power control panel, welding generator controls, welder equipment and electrodes.

## Performance

Bridge classification.....	(per MTP 74).....	2
Maximum gradability.....	(not applicable)	
Turning circle (minimum).....	(not applicable)	
Angle of approach.....	(not applicable)	
Angle of departure.....	(not applicable)	
Fording depth.....	(ins).....	24
Fuel consumption (average).....	(not applicable)	
Maximum speed.....	(not applicable)	

## 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) 15, water (qts) 23, oil (qts) 4	

## Tire Details

Treads.....	front (not applicable), rear (ins) 70 1/2
Size.....	(ins) 9.00 x 16
Pressure.....	(see current instructions)

## Weight and Dimensions

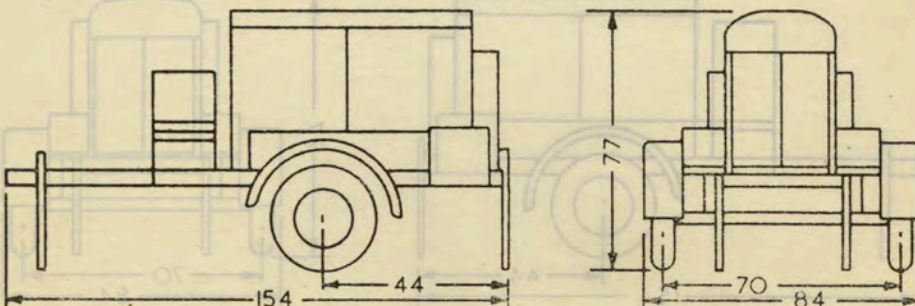
Curb weight (towing eye).....	(lbs).....	180
Curb weight (rear axle).....	(lbs).....	5080
Laden weight (towing eye).....	(lbs).....	180
Laden weight (rear axle).....	(lbs).....	5080
Ground clearance (minimum).....	(ins).....	13
Wheelbase (front to rear).....	(not applicable)	
Shipping space (deck area).....	(sq ft).....	90
Shipping space (standing).....	(cu ft).....	570
Dimensions overall.....	(see drawing below)	

## Publications Applying

Maintenance manual.....	WM-3872
Parts list.....	WM-3872
Waterproofing instrs (chassis).....	(not available)

## Additional Data

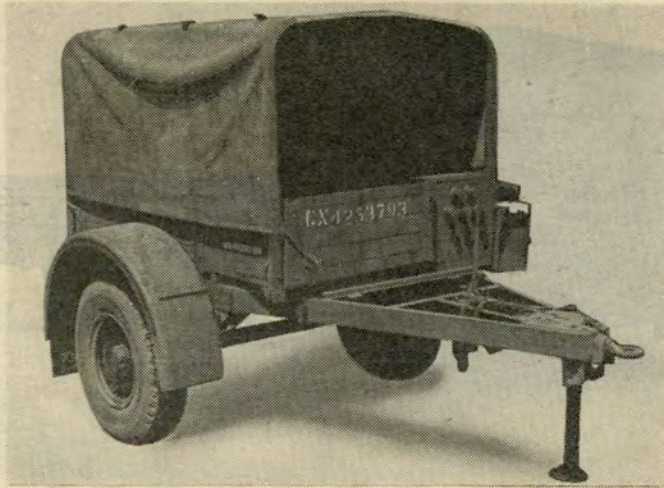
(For bridging classification when towed, see current instructions. Engine details above apply to engine driving generator.)



# TRAILER, GENERATOR, WIRELESS, 2-KW

(15-cwt, 2-wh)

**Manufacturer**—Several firms as per AEDB specifications.



Recent issues are 20-cwts with 7.00 x 20 tires

**Operational Role**—Used by RC Sigs medium wireless sections mainly in Army, Corps and L of C formations to supply electric current for C33 set in wireless vehicles and to do emergency charging of batteries in adjacent vehicles by interconnection.

**Body Details**—Composite, superstructure, tarpaulin, parking jack, tool box. Equipment includes Onan generator, chorehorse unit, transformer and rectifier, cable reel, 2 sigs batteries, PW containers. Connection to wireless vehicle by niphon plugs in front panel and quad interconnecting cables, carried in box on side panel.

## Performance

Bridge classification.....	(per MTP 74).....	2
Maximum gradability.....	(not applicable)	
Turning circle (minimum).....	(not applicable)	
Angle of approach.....	(not applicable)	
Angle of departure.....	(not applicable)	
Fording depth.....	(ins).....	24
Fuel consumption (average).....	(not applicable)	
Maximum speed.....	(not applicable)	

## Engine Details

Manufacturer.....	(not applicable)
Type.....	(not applicable)
Size.....	(not applicable)
Power.....	(not applicable)
Ignition.....	(not applicable)
Capacity.....	(not applicable)

## Tire Details

Treads.....	front (not applicable), rear (ins) 70½
Size.....	(ins) 9.00 x 16
Pressure.....	(see current instructions)

## Weight and Dimensions

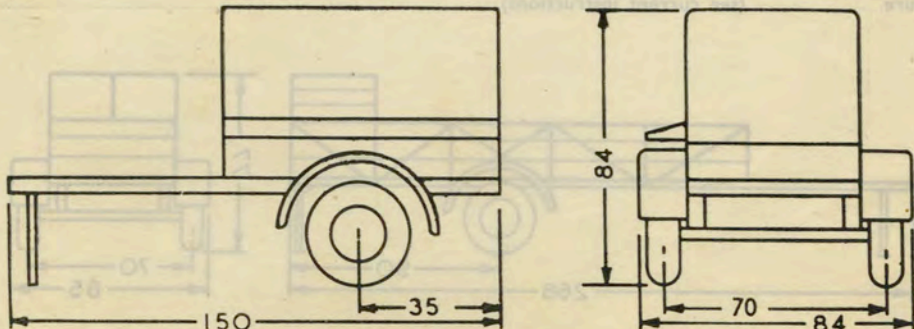
Curb weight (front axle).....	(lbs).....	3900
Curb weight (rear axle).....	(not applicable)	
Laden weight (front axle).....	(lbs).....	3900
Laden weight (rear axle).....	(not applicable)	
Ground clearance (minimum).....	(ins).....	13
Wheelbase (front to rear).....	(not applicable)	
Shipping space (deck area).....	(sq ft).....	90
Shipping space (standing).....	(cu ft).....	610
Dimensions overall.....	(see drawing below)	

## Publications Applying

Maintenance manual.....	SB-5
Parts list.....	SB-5
Waterproofing instrs (chassis).....	(not available)

## Additional Data

(For bridge classification when towed, see current instructions.)



# TRAILER, POLE

(15-cwt, 2-wh)

**Manufacturer**—Several firms as per AEDB specifications. **Vehicle Code**—15-P-POLE.

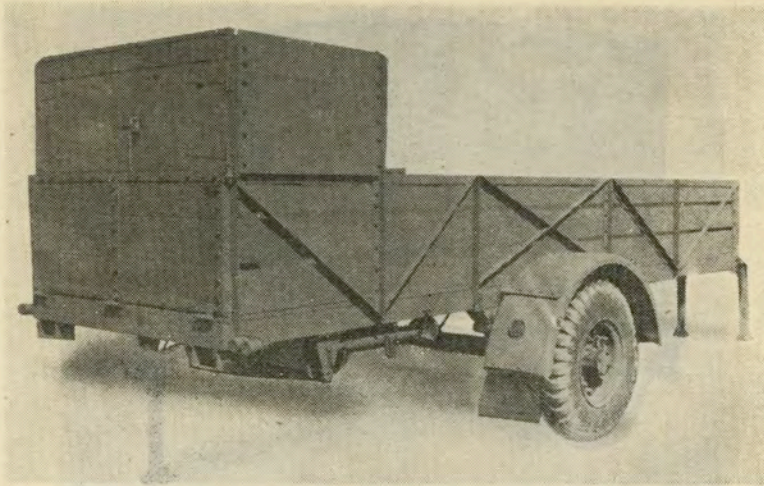


Photo shows rear view and stowage compartment on top of body. (Recent issues are 20-cwts with 7.00 x 20 tires.)

**Operational Role**—Used by RC Sigs line section and line construction companies for transport of wood poles used in multi air line construction in Army, Corps, Div and L of C areas and by Bde where poles are needed for road crossovers.

**Body Details**—Composite wood and steel, wood sides and floor, hinged tail-gate, parking jacks, impact brakes. Removable stowage compartment for cross-arms, insulators, camouflage nets. Will carry about 40 poles.

### Performance

Bridge classification.....	(per MTP 74)	2
Maximum gradability.....	(not applicable)	
Turning circle (minimum).....	(not applicable)	
Angle of approach.....	(not applicable)	
Angle of departure.....	(not applicable)	
Fording depth.....	(ins) 24	
Fuel consumption (average).....	(not applicable)	
Maximum speed.....	(not applicable)	

### Engine Details

Manufacturer.....	(not applicable)
Type.....	(not applicable)
Size.....	(not applicable)
Power.....	(not applicable)
Ignition.....	(not applicable)
Capacity.....	(not applicable)

### Tire Details

Treads.....	front (not applicable), rear (ins) 70½
Size.....	(ins) 9.00 x 16
Pressure.....	(see current instructions)

### Weight and Dimensions

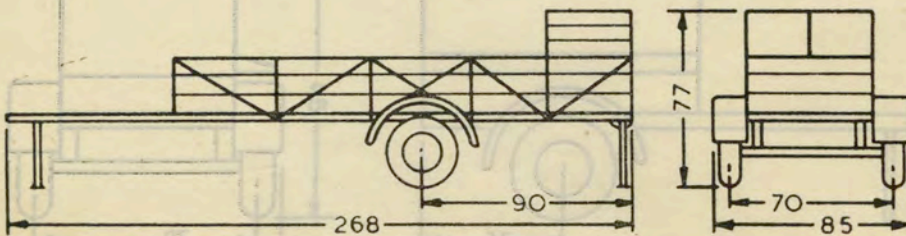
Curb weight (towing eye).....	(lbs)	165
Curb weight (rear axle).....	(lbs)	2820
Laden weight (towing eye).....	(lbs)	165
Laden weight (rear axle).....	(lbs)	4500
Ground clearance (minimum).....	(ins)	15
Wheelbase (front to rear).....	(not applicable)	
Shipping space (deck area).....	(sq ft)	160
Shipping space (standing).....	(cu ft)	1020
Dimensions overall.....	(see drawing below)	

### Publications Applying

Maintenance manual.....	SB-12
Parts list.....	SB-12
Waterproofing instrs (chassis).....	No. 42

### Additional Data

(For bridge classification when towed, see current instructions.)



# TRAILER, 20-CWT, GS

(20-cwt, 2-wh)

Manufacturer—Several firms per AEDB specifications.

Vehicle Code—20-P-GS.

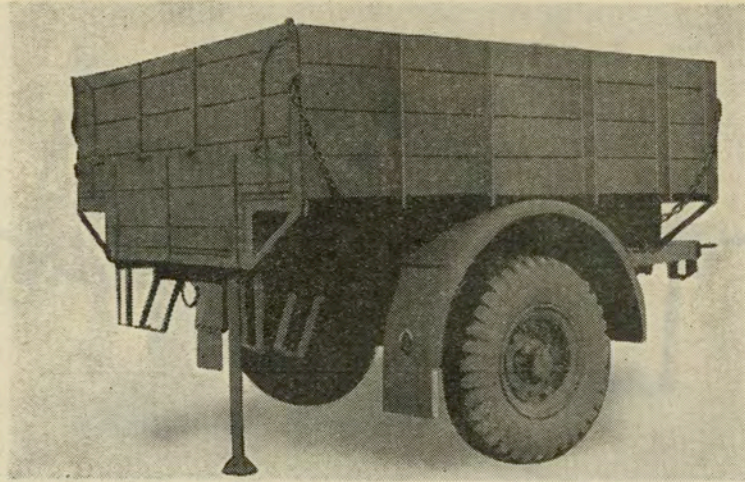


Photo shows rear view with tail-gate closed. Early production had 9.00 x 16 tires as above.

**Operational Role**—Used as general purpose load carrier by all arms and services to transport supplies and stores of size and weight within its capacity. Can be towed by any Canadian Military Pattern vehicle.

**Body Details**—Steel frame, wood body, flat tarpaulin, hinged tail-gate, parking jacks, impact brakes. Body has foldable false floor, permitting transport of petrol tins in two tiers.

## Performance

Bridge classification.....	(per MTP 74).....	2
Maximum gradability.....	(not applicable)	
Turning circle (minimum).....	(not applicable)	
Angle of approach.....	(not applicable)	
Angle of departure.....	(not applicable)	
Fording depth.....	(ins).....	24
Fuel consumption (average).....	(not applicable)	
Maximum speed.....	(not applicable)	

## Engine Details

Manufacturer.....	(not applicable)
Type.....	(not applicable)
Size.....	(not applicable)
Power.....	(not applicable)
Ignition.....	(not applicable)
Capacity.....	(not applicable)

## Tire Details

Treads.....	front (not applicable), rear (ins) 68½
Size.....	(ins) 7.00 x 20
Pressure.....	(see current instructions)

## Weight and Dimensions

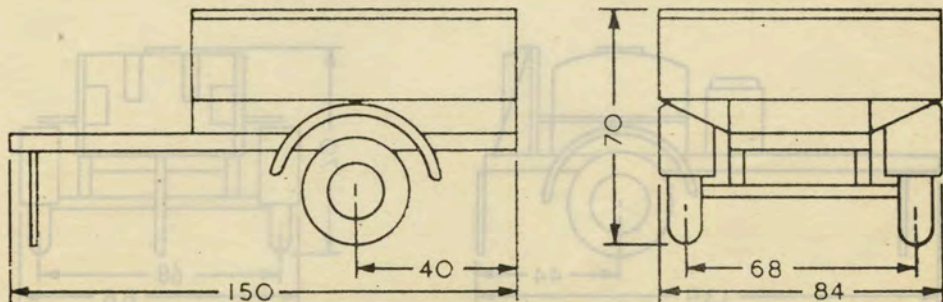
Curb weight (towing eye).....	(lbs).....	165
Curb weight (rear axle).....	(lbs).....	2587
Laden weight (towing eye).....	(lbs).....	165
Laden weight (rear axle).....	(lbs).....	4827
Ground clearance (minimum).....	(ins).....	13
Wheelbase (front to rear).....	(not applicable)	
Shipping space (deck area).....	(sq ft).....	90
Shipping space (standing).....	(cu ft).....	510
Dimensions overall.....	(see drawing below)	

## Publications Applying

Maintenance manual.....	SB-5
Parts list.....	SB-5
Waterproofing instrs (chassis).....	(not available)

## Additional Data

(Present production includes tail light, stop light and convoy light. For bridge classification when towed, see current instructions.)





# TRAILER, WATER

(180-gal, 20-cwt, 2-wh)

**Manufacturer**—Several firms per AEDB specifications.

**Vehicle Code**—20-P- WATR.

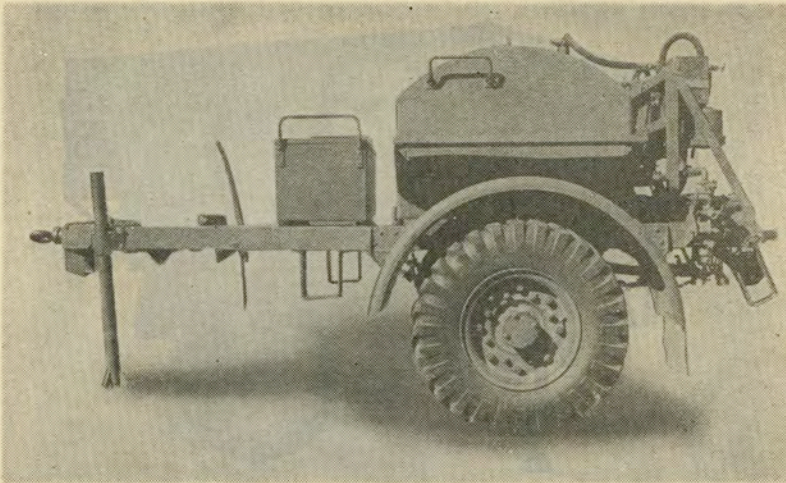


Photo shows 15-cwt former type with 9.00 x 16 tires

**Operational Role**—Used for pickup, filtration and transport of drinking water to units in the field. Normally filled from pressure supply. Can be towed by any Canadian Military Pattern vehicle.

**Body Details**—180 gallon capacity all steel tank, interior galvanized, impact brakes, levelling jacks, suction hose, filter and hand pump. Tool box contains pump spares, filter aid, washers, etc. Superstructure and tarpaulin on recent models.

## Performance

Bridge classification.....	2
Maximum gradability.....	(not applicable)
Turning circle (minimum).....	(not applicable)
Angle of approach.....	(not applicable)
Angle of departure.....	(not applicable)
Fording depth.....	(ins) 24
Fuel consumption (average).....	(not applicable)
Maximum speed.....	(not applicable)

## Engine Details

Manufacturer.....	(not applicable)
Type.....	(not applicable)
Size.....	(not applicable)
Power.....	(not applicable)
Ignition.....	(not applicable)
Capacity.....	(not applicable)

## Tire Details

Treads...front (ins) (not applicable), rear (ins) 68½
Size.....(ins) 7.00 x 20
Pressure.....(see current instructions)

## Weight and Dimensions

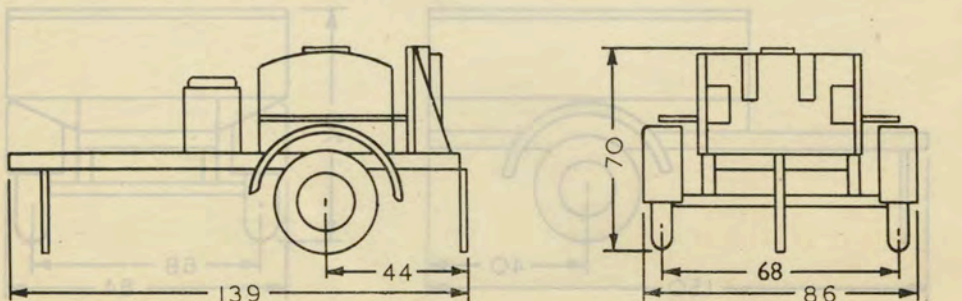
Curb weight (front axle).....	(not applicable)
Curb weight (total).....	(lbs) 2730
Laden weight (front axle).....	(not applicable)
Laden weight (total).....	(lbs) 4560
Ground clearance (minimum).....	(ins) 15
Wheelbase (front to rear).....	(not applicable)
Shipping space (deck area).....	(sq ft) 85
Shipping space (standing).....	(cu ft) 500
Dimensions overall.....	(see drawing below)

## Publications Applying

Maintenance manual.....	SB-2
Parts list.....	SB-2
Waterproofing instrs (chassis).....	No. 37

## Additional Data

(For bridge classification when towed by another vehicle, see current instructions.)



# TRAILER, WORKSHOP SERVICING

(20-cwt, 2-wh)

Manufacturer—Stewart-Warner Corpn.

Vehicle Code—20-P-LUB.

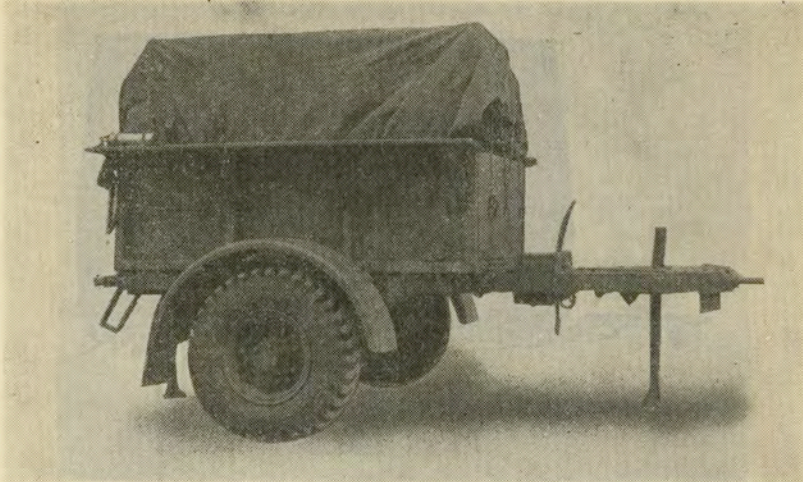


Photo shows vehicle with 9.00×16 tires (as formerly equipped when in 15-cwt class)

**Operational Role**—Used for pressure lubrication of vehicles including refilling transmissions, differentials, etc., also for tire inflation. Used by RCASC and RCEME.

**Body Details**—All steel, superstructure, tarpaulin, impact brakes, levelling jacks. Equipment includes compressor driven by 5 hp petrol engine, high and low pressure pumps, grease guns and hose, fire extinguisher, grease rail rack.

## Performance

Bridge classification.....	2
Maximum gradability.....	(not applicable)
Turning circle (minimum).....	(not applicable)
Angle of approach.....	(not applicable)
Angle of departure.....	(not applicable)
Fording depth.....	(ins) 24
Fuel consumption (average).....	(not applicable)
Maximum speed.....	(not applicable)

## Engine Details

Manufacturer.....	(not applicable)
Type.....	(not applicable)
Size.....	(not applicable)
Power.....	(not applicable)
Ignition.....	(not applicable)
Capacity.....	(not applicable)

## Tire Details

Treads...front (ins) (not applicable), rear (ins) 68½
Size.....(ins) 7.00 x 20
Pressure.....(see current instructions)

## Weight and Dimensions

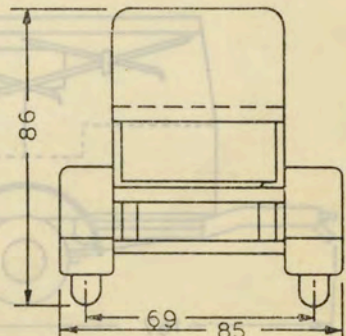
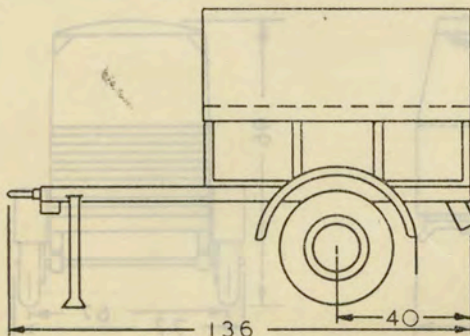
Curb weight (front axle).....	(not applicable)
Curb weight (total).....	(lbs) 3910
Laden weight (front axle).....	(not applicable)
Laden weight (total).....	(lbs) 3910
Ground clearance (minimum).....	(ins) 14
Wheelbase (front to rear).....	(not applicable)
Shipping space (deck area).....	(sq ft) 80
Shipping space (standing).....	(cu ft) 570
Dimensions overall.....	(see drawing below)

## Publications Applying

Maintenance manual.....	SB-1
Parts list.....	SB-1
Waterproofing instrs (chassis).....	No. 31

## Additional Data

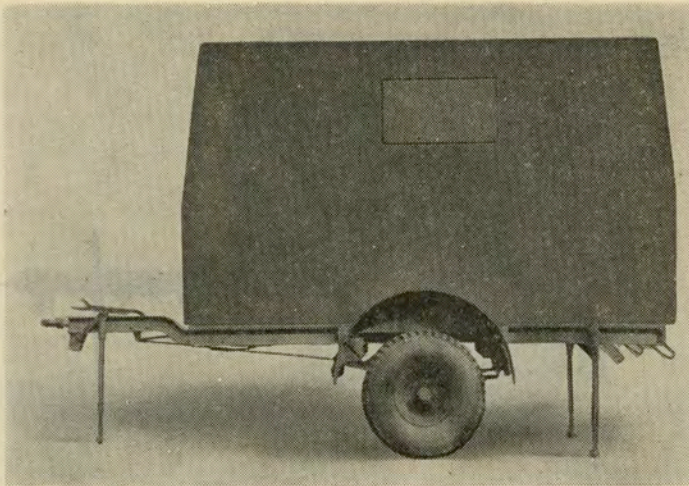
(For bridge classification when towed by another vehicle, see current instructions.)



# TRAILER, AA COMMAND POST

(1-ton, 2-wh)

Manufacturer—Glover, Webb and Liversidge.



Canopy poles are strapped to outside of tarpaulin as shown in drawing below

**Operational Role**—Used by RCA as command post, one with each HAA troop at gun site. Receives data by WT from AAOR also Adv Warning Centre, RAF. Information is plotted, range calculated, and GPOA passes fire orders to guns by loudspeaker or voice. (Formerly known as SA Plotter Trailer).

**Body Details**—All steel, welded, flat platform, impact brakes, levelling jacks, superstructure, tarpaulin with tubular poles. Equipment includes 208 set, 109 receiver, semi automatic plotter, plotting boards, indicators, calculators, charts, hand and breast phones, etc.

## Performance

Bridge classification.....	(per MTP 74).....	2
Maximum gradability.....	(not applicable)	
Turning circle (minimum).....	(not applicable)	
Angle of approach.....	(not applicable)	
Angle of departure.....	(not applicable)	
Fording depth.....	(ins).....	24
Fuel consumption (average).....	(not applicable)	
Maximum speed.....	(not applicable)	

## Engine Details

Manufacturer.....	(not applicable)
Type.....	(not applicable)
Size.....	(not applicable)
Power.....	(not applicable)
Ignition.....	(not applicable)
Capacity.....	(not applicable)

## Tire Details

Treads.....	front (not applicable), rear (ins)	67
Size.....	(ins)	9.00 x 13
Pressure.....	(see current instructions)	

## Weight and Dimensions

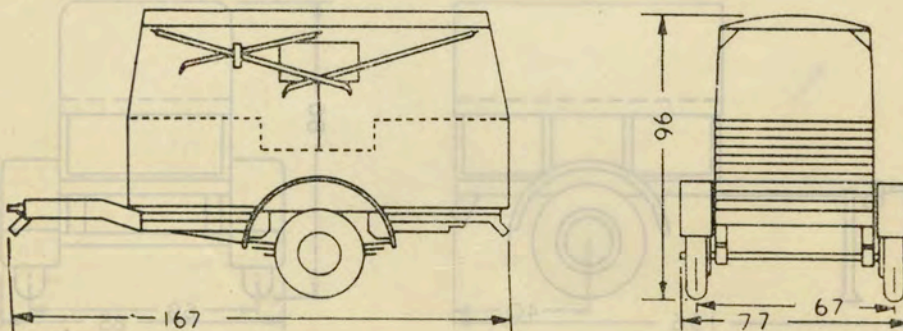
Curb weight (front axle).....	(lbs).....	2464
Curb weight (rear axle).....	(not applicable)	
Laden weight (front axle).....	(lbs).....	3416
Laden weight (rear axle).....	(not applicable)	
Ground clearance (minimum).....	(ins).....	12
Wheelbase (front to rear).....	(not applicable)	
Shipping sace (deck area).....	(sq ft).....	90
Shipping space (standing).....	(cu ft).....	700
Dimensions overall.....	(see drawing below)	

## Publications Applying

Maintenance manual.....	(not available)
Parts list.....	VAOS LV7/TR
Waterproofing instrs (chassis).....	(not available)

## Additional Data

(For bridge classification when towed, see current instructions.)



# TRAILER, GENERATOR, 9-KVA

(1-ton, 2-wh)

Manufacturer—Glover, Webb and Liversidge.

Manufacturer—Danwood

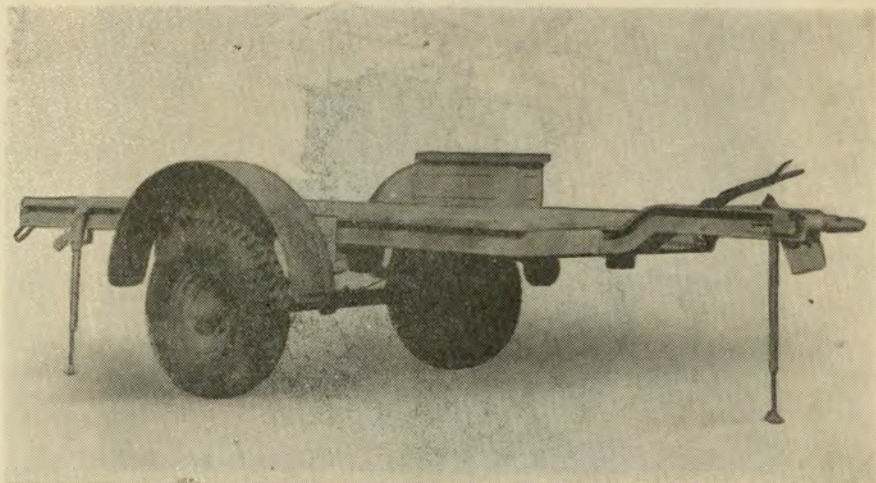


Photo shows trailer chassis, with tool box, less generator and superstructure

**Operational Role**—Used by RC Sigs to supply electric power for lighting and other purposes at Lines of Communication Terminal. Interconnection by cable to various points where lighting required.

**Body Details**—Steel, drop frame, impact brakes, levelling jacks front and rear. Generator carried is 9-kva, 230 volt, 50 cycle alternator driven by 13.5 bhp diesel engine, on same bedplate. Equipment includes switchboard, tools, spares, connecting cables, etc.

## Performance

Bridge classification	(per MTP 74)	2
Maximum gradability		(not applicable)
Turning circle (minimum)		(not applicable)
Angle of approach		(not applicable)
Angle of departure		(not applicable)
Fording depth		(not applicable)
Fuel consumption (average)		(not applicable)
Maximum speed		(not applicable)

## Engine Details

Manufacturer		(not applicable)
Type		(not applicable)
Size		(not applicable)
Power		(not applicable)
Ignition		(not applicable)
Capacity		(not applicable)

## Tire Details

Treads	front (not applicable), rear (ins)	67
Size		(ins) 9.00 x 13
Pressure		(see current instructions)

## Weight and Dimensions

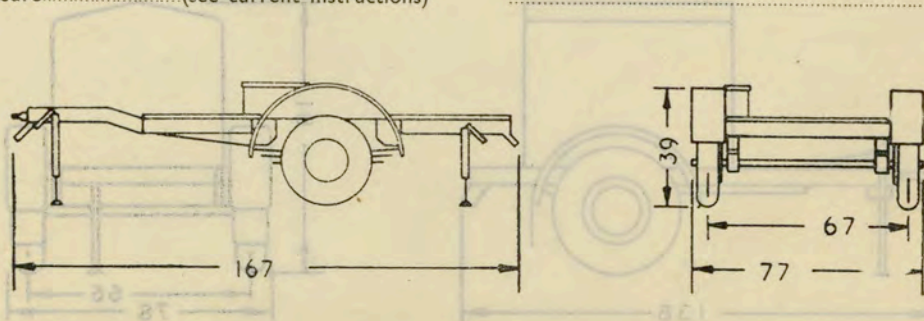
Curb weight (front axle)		(not applicable)
Curb weight (total)		(not available)
Laden weight (front axle)		(not applicable)
Laden weight (total)	(lbs)	4500
Ground clearance (minimum)	(ins)	12
Wheelbase (front to rear)		(not applicable)
Shipping space (deck area)	(sq ft)	90
Shipping space (standing)	(cu ft)	700
Dimensions overall		(see drawing below)

## Publications Applying

Maintenance manual		(not available)
Parts list		VAOS LV7/TR
Waterproofing instrs (chassis)		(not available)

## Additional Data

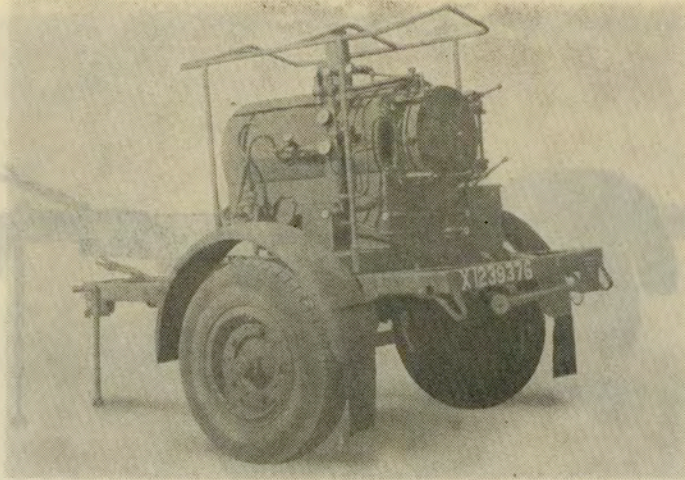
(For bridge classification when towed, see current instructions.)



# TRAILER, STERILIZER

(1-ton, 2-wh)

Manufacturer—Dashwood.



**Operational Role**—Used by RCAMC in casualty clearing stations for sterilizing surgical dressings in the field by steam which is generated in the trailer. Generally towed by 3-tonner.

**Body Details**—All steel, welded, tarpaulin, superstructure, impact brakes, hand brake, parking jacks, stop and convoy lights. Equipment includes petrol driven steam generator, steam chamber, water pump, spare parts, tool box.

### Performance

Bridge classification.....(per MTP 74).....	2
Maximum gradability.....	(not applicable)
Turning circle (minimum).....	(not applicable)
Angle of approach.....	(not applicable)
Angle of departure.....	(not applicable)
Fording depth.....	(ins).....24
Fuel consumption (average).....	(not applicable)
Maximum speed.....	(not applicable)

### Engine Details

Manufacturer.....	(not applicable)
Type.....	(not applicable)
Size.....	(not applicable)
Power.....	(not applicable)
Ignition.....	(not applicable)
Capacity.....	(not applicable)

### Tire Details

Treads.....	front (not applicable), rear (ins) 66
Size.....	(ins) 9.00 x 13
Pressure.....	(see current instructions)

### Weight and Dimensions

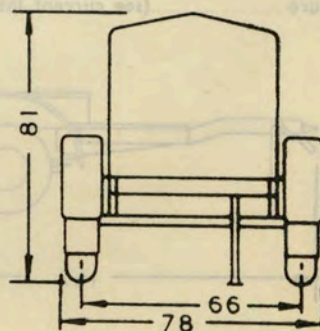
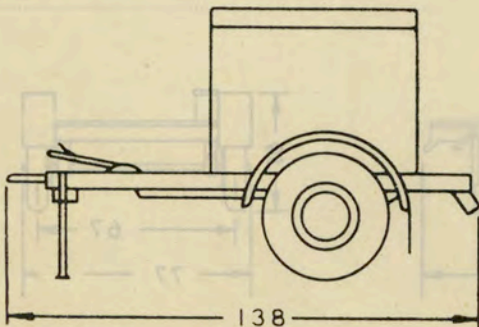
Curb weight (front axle).....	(lbs).....3024
Curb weight (rear axle).....	(not applicable)
Laden weight (front axle).....	(lbs).....3360
Laden weight (rear axle).....	(not applicable)
Ground clearance (minimum).....	(ins).....12
Wheelbase (front to rear).....	(not applicable)
Shipping space (deck area).....	(sq ft).....80
Shipping space (standing).....	(cu ft).....500
Dimensions overall.....	(see drawing below)

### Publications Applying

Maintenance manual.....	(not available)
Parts list.....	VAOS LV7/TR
Waterproofing instrs (chassis).....	(not available)

### Additional Data

(For bridge classification when towed, see current instructions.)

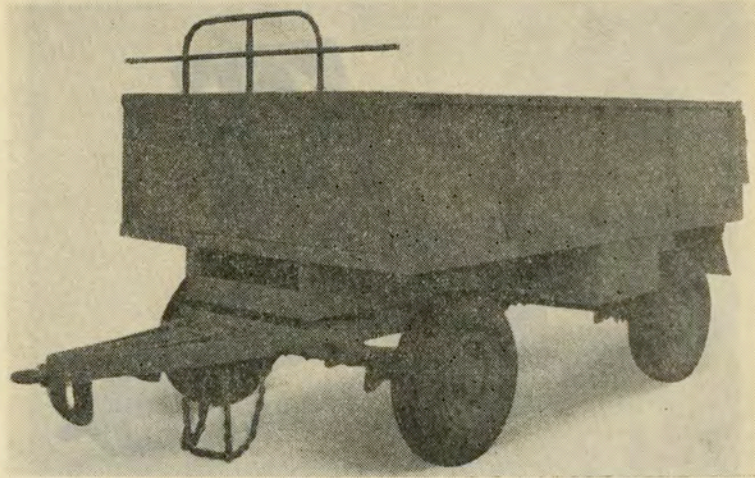


# TRAILER, 4-WH, 2-TON, GS

(2-ton, 4-wh, 93 wb)

Manufacturer—Dominion Trailer Co.

Vehicle Code—4M-F-GS.



Removable tubular grill on front keeps load back if quick stop occurs

**Operational Role**—Used by RCASC general transport companies on lines of communication to transport supplies and stores of all kinds within load capacity. Generally towed by 3-tonner but can be towed by any Canadian Military Pattern vehicle.

**Body Details**—All steel, welded, length 12 ft, fixed sides, hinged tail-gate, flat tarpaulin, flat floor, impact brakes, stop, parking and convoy lights, parking brake, tool box. Loading height 42 ins.

## Performance

Bridge classification.....	(per MTP 74).....	3
Maximum gradability.....	(not applicable)	
Turning circle (minimum).....	(not applicable)	
Angle of approach.....	(not applicable)	
Angle of departure.....	(not applicable)	
Fording depth.....	(ins).....	24
Fuel consumption (average).....	(not applicable)	
Maximum speed.....	(not applicable)	

## Engine Details

Manufacturer.....	(not applicable)
Type.....	(not applicable)
Size.....	(not applicable)
Power.....	(not applicable)
Ignition.....	(not applicable)
Capacity.....	(not applicable)

## Tire Details

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

## Weight and Dimensions

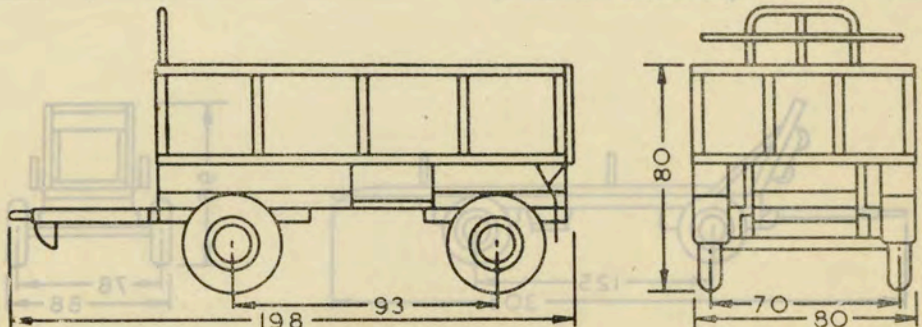
Curb weight (front axle).....	(lbs).....	2480
Curb weight (rear axle).....	(lbs).....	2280
Laden weight (front axle).....	(lbs).....	5480
Laden weight (rear axle).....	(lbs).....	5280
Ground clearance (minimum).....	(ins).....	16
Wheelbase (front to rear).....	(ins).....	93
Shipping space (deck area).....	(sq ft).....	110
Shipping space (standing).....	(cu ft).....	700
Dimensions overall.....	(see drawing below)	

## Publications Applying

Maintenance manual.....	SB-13
Parts list.....	SB-13
Waterproofing instrs (chassis).....	No. 32

## Additional Data

(For bridge classification when towed, see current instructions.)

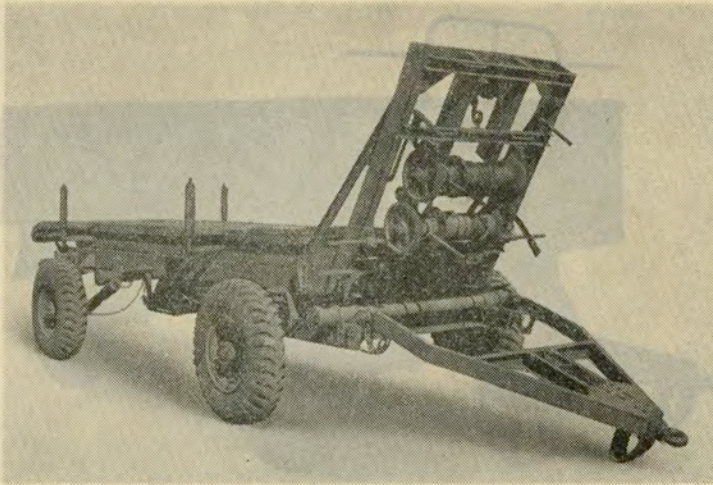


# TRAILER, 4-WH, MOTOR BOAT

(2-ton, 4-wh, 125 wb)

**Manufacturer**—Several firms per AEDB specifications.

**Vehicle Code**—3M-F-BOAT.



Upper winch shown in photo hauls boat on cradle, lower winch loads and unloads cradle

**Operational Role**—Used by RCASC bridge coys in pontoon equipment platoon to transport the motor tug which is used in operations when building floating bridges.

**Body Details**—All steel, welded, impact brakes, parking brake, stop and convoy lights. Features include removable rolling cradle for loading and unloading boat and two winches, one for operating cradle, one to haul boat on cradle. Scotch blocks to stop wheels when loading, are carried in bracket under frame.

## Performance

Bridge classification.....	(per MTP 74).....	4
Maximum gradability.....	(not applicable)	
Turning circle (minimum).....	(ft).....	53
Angle of approach.....	(not applicable)	
Angle of departure.....	(not applicable)	
Fording depth.....	(ins).....	24
Fuel consumption (average).....	(not applicable)	
Maximum speed.....	(not applicable)	

## Engine Details

Manufacturer.....	(not applicable)
Type.....	(not applicable)
Size.....	(not applicable)
Power.....	(not applicable)
Ignition.....	(not applicable)
Capacity.....	(not applicable)

## Tire Details

Treads.....	front (ins) 78½, rear (ins) 78½
Size.....	(ins) 9.00 x 16
Pressure.....	(see current instructions)

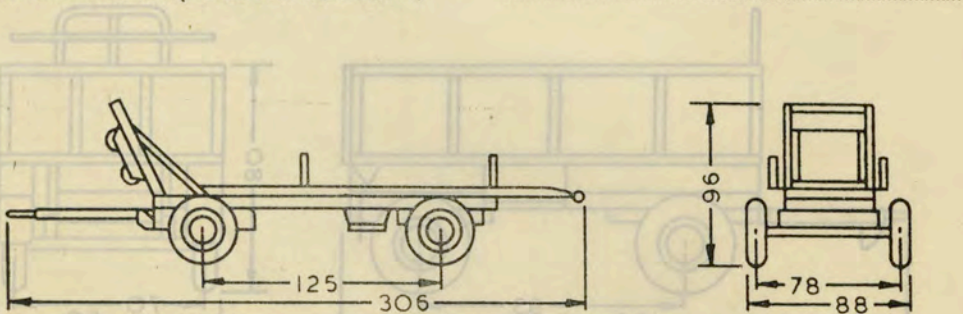
## Weight and Dimensions

Curb weight (front axle).....	(lbs).....	3530
Curb weight (rear axle).....	(lbs).....	2690
Laden weight (front axle).....	(lbs).....	5320
Laden weight (rear axle).....	(lbs).....	5380
Ground clearance (minimum).....	(ins).....	21
Wheelbase (front to rear).....	(ins).....	125
Shipping space (deck area).....	(sq ft).....	190
Shipping space (standing).....	(cu ft).....	1500
Dimensions overall.....	(see drawing below)	

## Publications Applying

Maintenance manual.....	SB-22
Parts list.....	SB-22
Waterproofing instrs (chassis).....	AC-117

## Additional Data



# TRAILER, CABLE

(Cable drum, 3-ton, 2-wh)

Manufacturer—Brockhouse.

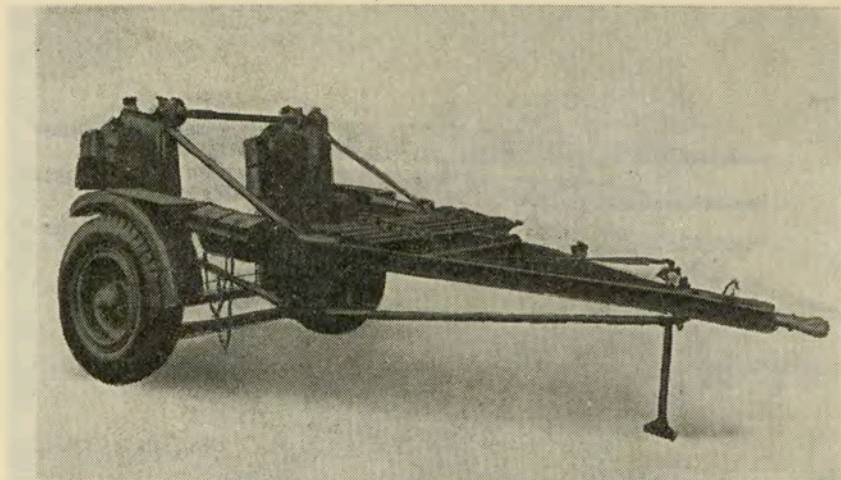


Photo shows extra spindles for drums stowed by clamps on trailer tongue

**Operational Role**—Used by RC Sigs in Army Sigs Park also HQ Army Troops Area Signal Section to carry drums of lead covered cable required in laying lines from Army to Corps and L of C. Towed by 3-tonner or 10-tonner.

**Body Details**—All steel, welded, impact brakes, parking brake, parking jack. Will carry various drum combinations; either one drum (880 or 1000 yds lead covered cable) on 2-in square spindle, or 4 drums of 2 ft 9 in diam (2 per spindle) on 1½-in diam spindles, or 9 drums of 2 ft diam (3 per spindle) on 1-in diam spindles, also odd combinations.

### Performance

Bridge classification.....	(per MTP 74).....	6
Maximum gradability.....	(not applicable)	
Turning circle (minimum).....	(not applicable)	
Angle of approach.....	(not applicable)	
Angle of departure.....	(not applicable)	
Fording depth.....	(ins).....	24
Fuel consumption (average).....	(not applicable)	
Maximum speed.....	(not applicable)	

### Engine Details

Manufacturer.....	(not applicable)
Type.....	(not applicable)
Size.....	(not applicable)
Power.....	(not applicable)
Ignition.....	(not applicable)
Capacity.....	(not applicable)

### Tire Details

Treads.....	front (not applicable), rear (ins) 77½
Size.....	(ins) 36 x 8
Pressure.....	(see current instructions)

### Weight and Dimensions

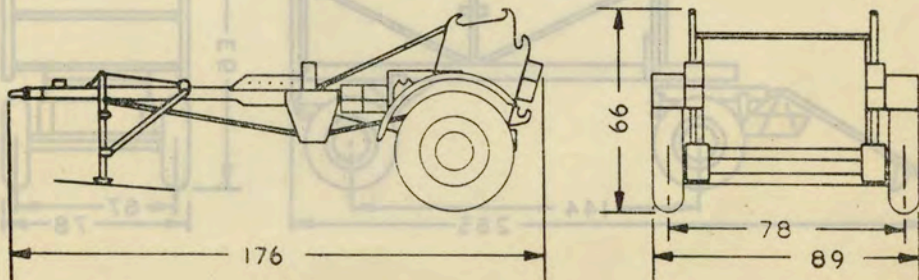
Curb weight (front axle).....	(lbs).....	2720
Curb weight (rear axle).....	(not applicable)	
Laden weight (front axle).....	(lbs).....	8320
Laden weight (rear axle).....	(not applicable)	
Ground clearance (minimum).....	(ins).....	17
Wheelbase (front to rear).....	(not applicable)	
Shipping space (deck area).....	(sq ft).....	130
Shipping space (standing).....	(cu ft).....	1120
Dimensions overall.....	(see drawing below)	

### Publications Applying

Maintenance manual.....	(not available)
Parts list.....	VAOS LV7/TR
Waterproofing instrs (chassis).....	(not available)

### Additional Data

(For bridge classification when towed, see current instructions. Above weight when laden with 1000 yds of cable.)

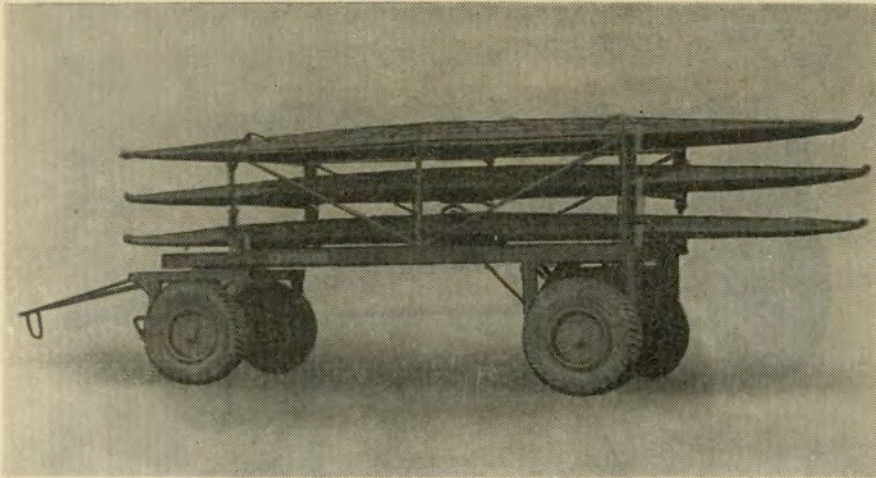




# TRAILER, 4-WH, FOLDING BOAT EQUIPMENT

(3-ton, 4-wh, 144 wb)

Manufacturer—Projectile and Engineering Co.



**Operational Role**—Used by RCASC in raft equipment platoon of bridge company to carry floating bay and landing stage of folding boat equipment, being towed by other vehicles of the platoon.

**Body Details**—All steel, welded, impact brakes, stop, convoy and parking lights, turntable steering, spare tire carried under body over rear wheels. Will carry 3 folding boats when fully loaded.

## Performance

Bridge classification.....	(per MTP 74).....	3
Maximum gradability.....	(not applicable)	
Turning circle (minimum).....	(not applicable)	
Angle of approach.....	(not applicable)	
Angle of departure.....	(not applicable)	
Fording depth.....	(ins).....	24
Fuel consumption (average).....	(not applicable)	
Maximum speed.....	(not applicable)	

## Engine Details

Manufacturer.....	(not applicable)
Type.....	(not applicable)
Size.....	(not applicable)
Power.....	(not applicable)
Ignition.....	(not applicable)
Capacity.....	(not applicable)

## Tire Details

Treads.....	front (ins) 67, rear (ins) 67
Size.....	(ins) 9.00 x 20
Pressure.....	(see current instructions)

## Weight and Dimensions

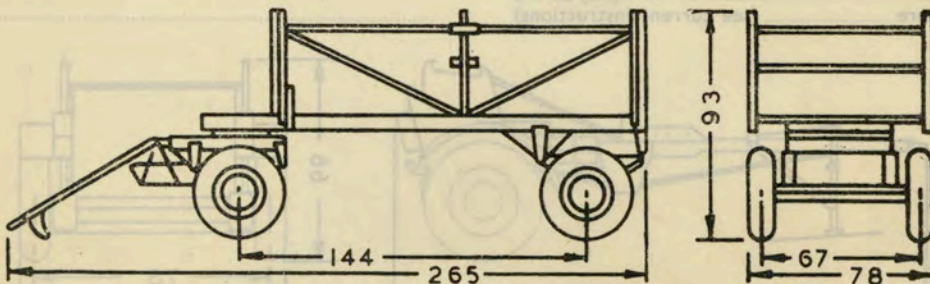
Curb weight (front axle).....	(lbs).....	1740
Curb weight (rear axle).....	(lbs).....	1230
Laden weight (front axle).....	(lbs).....	3250
Laden weight (rear axle).....	(lbs).....	3700
Ground clearance (minimum).....	(ins).....	10
Wheelbase (front to rear).....	(ins).....	144
Shipping space (deck area).....	(sq ft).....	150
Shipping space (standing).....	(cu ft).....	1090
Dimensions overall.....	(see drawing below)	

## Publications Applying

Maintenance manual.....	(not available)
Parts list.....	VAOS LV7/TR
Waterproofing instrs (chassis).....	No. 28

## Additional Data

(For bridge classification when towed, see current instructions.)



# TRAILER, GENERATOR, 15-KVA

(3-ton, 2-wh)

Manufacturer—Taskers Ltd.

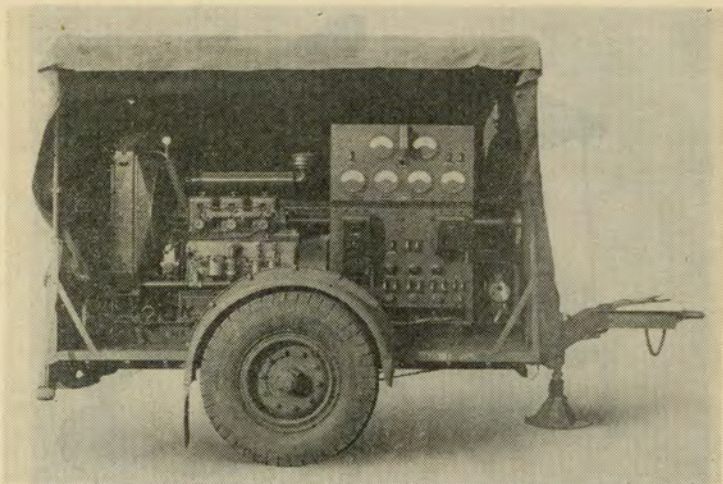


Photo shows earlier type with solid axle ; recent issues have spring suspension and 10.50 x 13 tires

**Operational Role**—Used by RCA in HAA batteries to supply power for Radar equipment such as LW(V) and the various Radar AA trailers. Generally towed by 3-tonner.

**Body Details**—All steel, welded, spring suspension on later types, superstructure, tarpaulin, impact brakes, parking brake, levelling jacks, stop and tail lights, castor and manhandling bars for moving about when not on tow. Carries Lister 15-kva, 230 volt, 50 cycle generator and switchboard, with interconnecting cables, maintenance tools, etc.

## Performance

Bridge classification.....	(per MTP 74)	3
Maximum gradability.....	(not applicable)	
Turning circle (minimum).....	(not applicable)	
Angle of approach.....	(not applicable)	
Angle of departure.....	(not applicable)	
Fording depth.....	(ins)	24
Fuel consumption (average).....	(not applicable)	
Maximum speed.....	(not applicable)	

## Engine Details

Manufacturer.....	(not applicable)
Type.....	(not applicable)
Size.....	(not applicable)
Power.....	(not applicable)
Ignition.....	(not applicable)
Capacity.....	(not applicable)

## Tire Details

Treads.....	front (not applicable), rear (ins)	77
Size.....	(ins)	10.50 x 20
Pressure.....	(see current instructions)	

## Weight and Dimensions

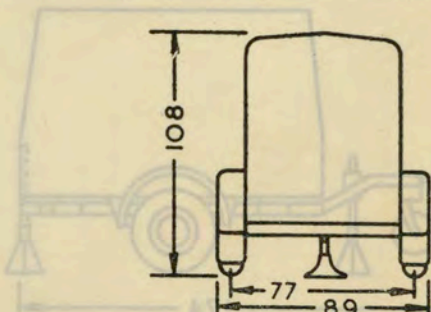
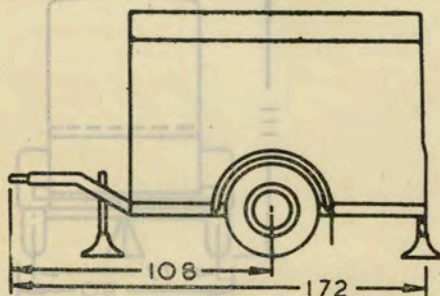
Curb weight (front axle).....	(not applicable)
Curb weight (rear axle).....	(lbs) 7530
Laden weight (front axle).....	(not applicable)
Laden weight (rear axle).....	(lbs) 7530
Ground clearance (minimum).....	(ins) 16
Wheelbase (front to rear).....	(not applicable)
Shipping space (deck area).....	(sq ft) 110
Shipping space (standing).....	(cu ft) 1000
Dimensions overall.....	(see drawing below)

## Publications Applying

Maintenance manual.....	(not available)
Parts list.....	VAOS LV7/TR
Waterproofing instrs (chassis).....	(not available)

## Additional Data

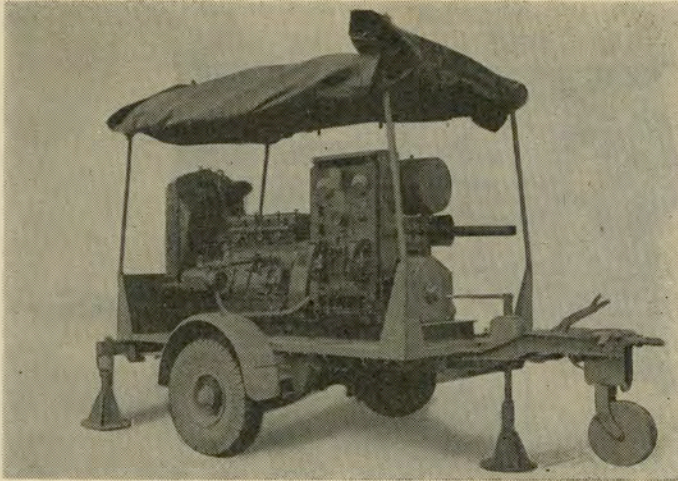
(For bridge classification when towed, see current instructions.)



# TRAILER, GENERATOR, LAUNDRY, 24-KW

(3-ton, 2-wh)

Manufacturer—Taskers Ltd.



**Operational Role**—Used by RCOC in Cdn Mobile Laundry and Bath Unit Type A to supply electric current required for operation of the various Trailers Laundry Mk II, carrying either boiler, washer or drier; all three making complete laundry unit. Generally towed by FWDs on unit establishment.

**Body Details**—All steel, welded, spring suspension, superstructure, tarpaulin, impact brakes, parking brake, levelling jacks, stop and tail light, castor wheel and manhandling bars for moving about when not on tow. Carries Tilling Stevens 24-kw, 110 volt dc generator, switchboard and diesel engine, interconnecting cables, maintenance tools, etc.

## Performance

Bridge classification.....	(per MTP 74).....	3
Maximum gradability.....	(not applicable)	
Turning circle (minimum).....	(not applicable)	
Angle of approach.....	(not applicable)	
Angle of departure.....	(not applicable)	
Fording depth.....	(ins).....	24
Fuel consumption (average).....	(not applicable)	
Maximum speed.....	(not applicable)	

## Engine Details

Manufacturer.....	(not applicable)
Type.....	(not applicable)
Size.....	(not applicable)
Power.....	(not applicable)
Ignition.....	(not applicable)
Capacity.....	(not applicable)

## Tire Details

Treads.....	front (not applicable), rear (ins) 77
Size.....	(ins) 10.50 x 13
Pressure.....	(see current instructions)

## Weight and Dimensions

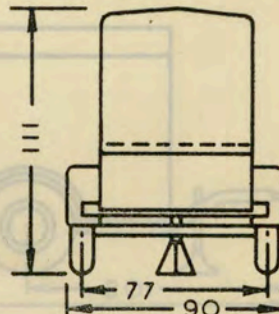
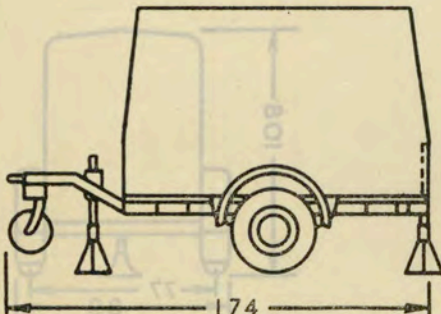
Curb weight (front axle).....	(lbs).....	5684
Curb weight (rear axle).....	(not applicable)	
Laden weight (front axle).....	(lbs).....	5684
Laden weight (rear axle).....	(not applicable)	
Ground clearance (minimum).....	(ins).....	16
Wheelbase (front to rear).....	(not applicable)	
Shipping space (deck area).....	(sq ft).....	110
Shipping space (standing).....	(cu ft).....	1000
Dimensions overall.....	(see drawing below)	

## Publications Applying

Maintenance manual.....	(not available)
Parts list.....	VAOS LV7/TR
Waterproofing instrs (chassis).....	(not available)

## Additional Data

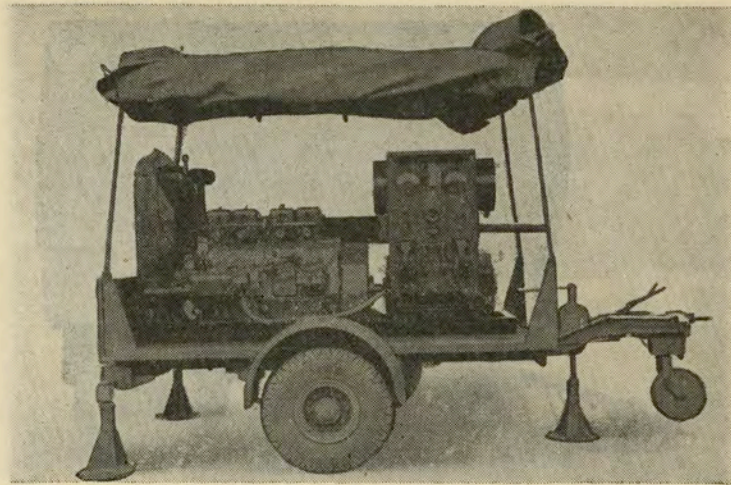
(For bridge classification when towed, see current instructions.)



# TRAILER, GENERATOR, SURVEY, 24-KW

(3-ton, 2-wh)

Manufacturer—Taskers Ltd.



**Operational Role**—Used by RCE Reproduction Section of Field Survey Company to supply electric current for operation of motors, driers, lighting circuits, etc, on map reproduction vehicles, also in Photographic Sections. Generally towed by 3-tonner.

**Body Details**—All steel, welded, spring suspension, superstructure, tarpaulin, impact brakes, parking brake, levelling jacks, stop and tail lights, castor wheel and manhandling bars for moving about when not on tow. Carries Tilling Stevens 24-kw, 110 volt dc generator, switchboard and diesel engine, interconnecting cables, maintenance tools, etc.

## Performance

Bridge classification.....	(per MTP 74).....	3
Maximum gradability.....	(not applicable)	
Turning circle (minimum).....	(not applicable)	
Angle of approach.....	(not applicable)	
Angle of departure.....	(not applicable)	
Fording depth.....	(ins).....	24
Fuel consumption (average).....	(not applicable)	
Maximum speed.....	(not applicable)	

## Engine Details

Manufacturer.....	(not applicable)
Type.....	(not applicable)
Size.....	(not applicable)
Power.....	(not applicable)
Ignition.....	(not applicable)
Capacity.....	(not applicable)

## Tire Details

Treads.....	front (not applicable), rear (ins) 77
Size.....	(ins) 10.50 x 13
Pressure.....	(see current instructions)

## Weight and Dimensions

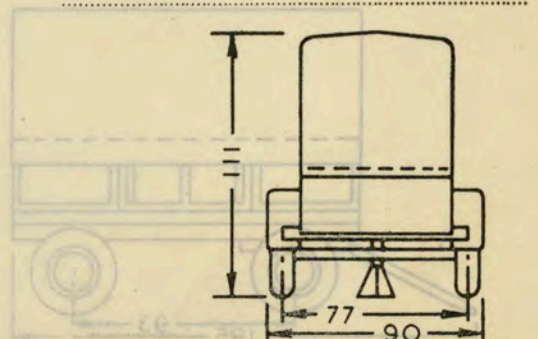
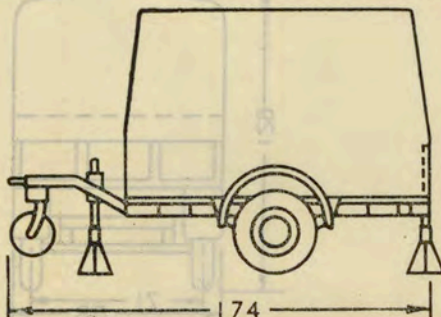
Curb weight (front axle).....	(not applicable)
Curb weight (rear axle).....	(lbs).....5684
Laden weight (front axle).....	(not applicable)
Laden weight (rear axle).....	(lbs).....5684
Ground clearance (minimum).....	(ins).....16
Wheelbase (front to rear).....	(not applicable)
Shipping space (deck area).....	(sq ft).....110
Shipping space (standing).....	(cu ft).....1000
Dimensions overall.....	(see drawing below)

## Publications Applying

Maintenance manual.....	(not available)
Parts list.....	VAOS LV7/TR
Waterproofing instrs (chassis).....	(not available)

## Additional Data

(For bridge classification when towed, see current instructions.)

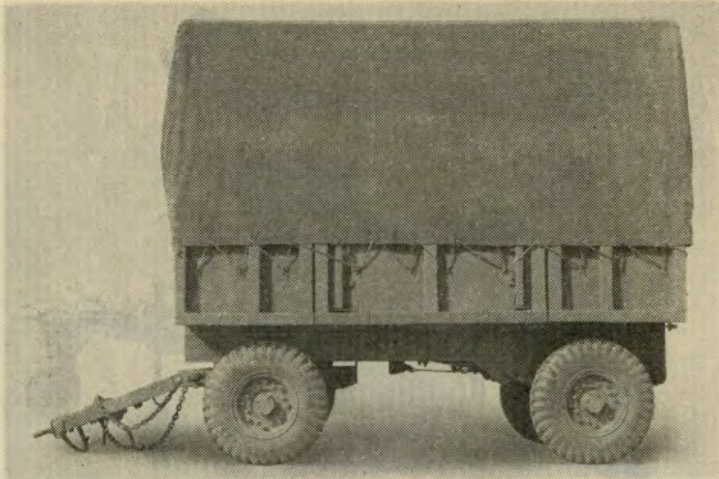


# TRAILER, 4-WH, MACHINERY, GRIND AND BRAKE

(3-ton, 4-wh, 93 wb)

Manufacturer—Chrysler Corpn.

Vehicle Code—6M-F-MACH-BDG.



For operation, tarpaulin is raised, drop sides lowered, steel ladders erected

**Operational Role**—Used by RCEME workshops for turning and grinding brakedrums, grinding brake linings and grinding cylinder heads.

**Body Details**—Steel, length 12 ft, superstructure, tarpaulin, drop sides. Equipment includes brake drum lathe, surface grinder, brake lining grinder, bench grinder, 7½-kw switchboard. Power obtained by interconnection with power trailer.

## Performance

Bridge classification.....	(per MTP 74).....	5
Maximum gradability.....	(not applicable)	
Turning circle (minimum).....	(not applicable)	
Angle of approach.....	(not applicable)	
Angle of departure.....	(not applicable)	
Fording depth.....	(ins).....	24
Fuel consumption (average).....	(not applicable)	
Maximum speed.....	(not applicable)	

## Engine Details

Manufacturer.....	(not applicable)
Type.....	(not applicable)
Size.....	(not applicable)
Power.....	(not applicable)
Ignition.....	(not applicable)
Capacity.....	(not applicable)

## Tire Details

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

## Weight and Dimensions

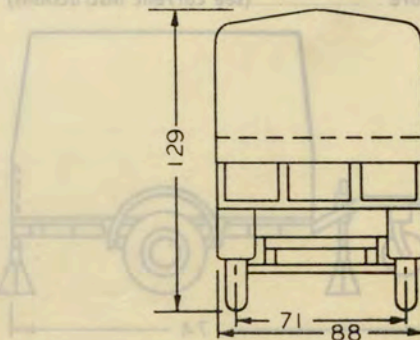
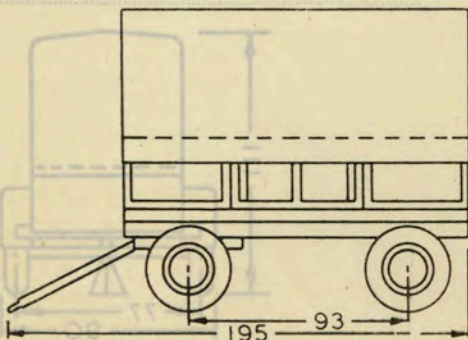
Curb weight (front axle).....	(lbs).....	4960
Curb weight (rear axle).....	(lbs).....	4680
Laden weight (front axle).....	(lbs).....	4960
Laden weight (rear axle).....	(lbs).....	4680
Ground clearance (minimum).....	(ins).....	15
Wheelbase (front to rear).....	(ins).....	93
Shipping space (deck area).....	(sq ft).....	120
Shipping space (standing).....	(cu ft).....	1300
Dimensions overall.....	(see drawing below)	

## Publications Applying

Maintenance manual.....	WM-3847
Parts list.....	WM-3847
Waterproofing instrs (chassis).....	(not available)

## Additional Data

(For bridge classification when towed by another vehicle, see current instructions.)



# TRAILER, 4-WH, MACHINERY, 60-TON PRESS

(3-ton, 4-wh, 93 wb)

Manufacturer—Chrysler Corpn.

Vehicle Code—6M-F-MACH-PR

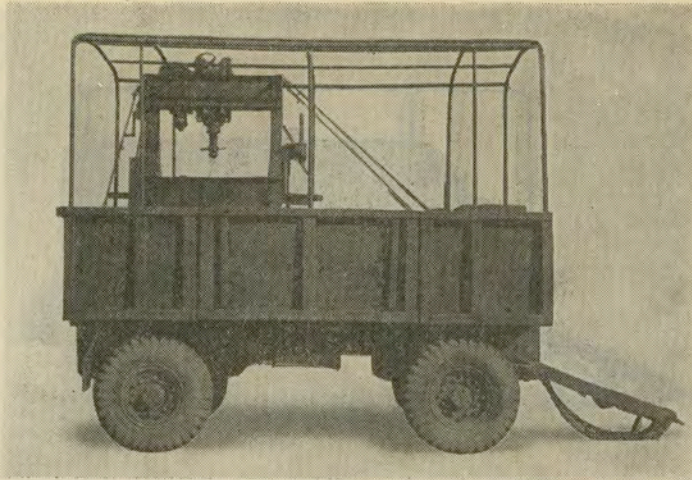


Photo shows tarpaulin removed from superstructure

**Operational Role**—Used by RCEME workshops for general press work such as straightening axles, shafts, and similar work within the capacity of 60-ton press, cold riveting differential ring gears, and pressing gears, etc., on shafts by means of arbor press.

**Body Details**—Steel, length 12 ft, trailer body with superstructure, tarpaulin, impact brakes, stop light, convoy light, and drop sides for work-benches. Equipment includes 60-ton hand-operated hydraulic press, 2-ton rack and pinion arbor press, test centre attachment, socket fixture and hand tools.

## Performance

Bridge classification.....	(per MTP 74).....	5
Maximum gradability.....	(not applicable)	
Turning circle (minimum).....	(not applicable)	
Angle of approach.....	(not applicable)	
Angle of departure.....	(not applicable)	
Fording depth.....	(ins).....	24
Fuel consumption (average).....	(not applicable)	
Maximum speed.....	(not applicable)	

## Engine Details

Manufacturer.....	(not applicable)
Type.....	(not applicable)
Size.....	(not applicable)
Power.....	(not applicable)
Ignition.....	(not applicable)
Capacity.....	(not applicable)

## Tire Details

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

## Weight and Dimensions

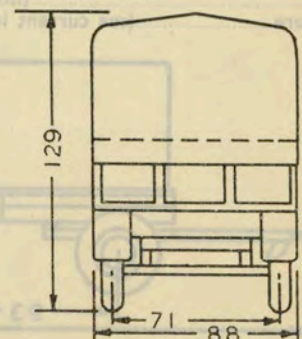
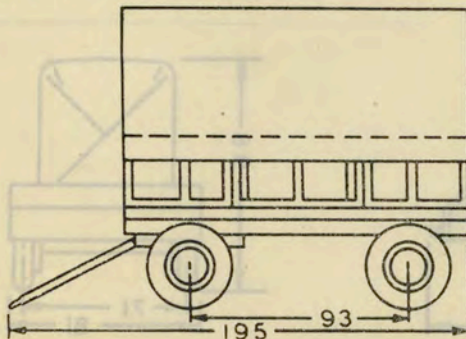
Curb weight (front axle).....	(lbs).....	4080
Curb weight (rear axle).....	(lbs).....	3895
Laden weight (front axle).....	(lbs).....	4080
Laden weight (rear axle).....	(lbs).....	3895
Ground clearance (minimum).....	(ins).....	15
Wheelbase (front to rear).....	(ins).....	93
Shipping space (deck area).....	(sq ft).....	120
Shipping space (standing).....	(cu ft).....	1300
Dimensions overall.....	(see drawing below)	

## Publications Applying

Maintenance manual.....	WM-3824
Parts list.....	WM-3824
Waterproofing instrs (chassis).....	No. 528

## Additional Data

(For bridge classification when towed, see current instructions.)



# TRAILER, 4-WH, HEAVY COMPRESSOR

(4-ton, 4-wh, 93 wb)

**Manufacturer**—Several firms per AEDB specifications.

**Vehicle Code**—8M-F-COMP.

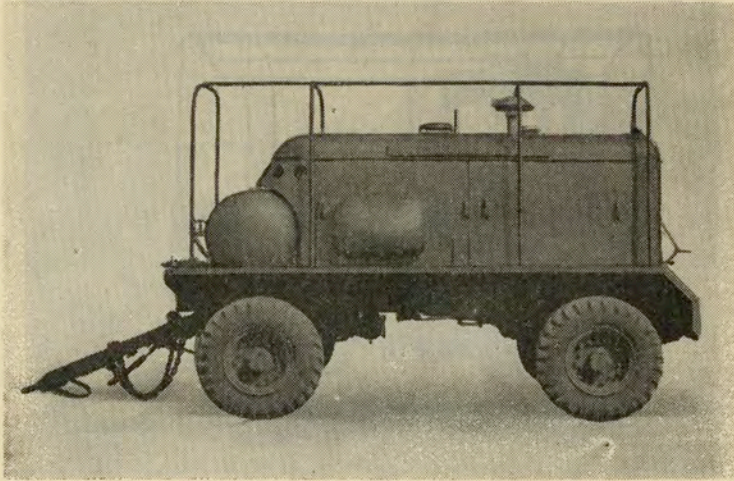


Photo shows tarpaulin removed from superstructure

**Operational Role**—Used by RCE in drilling companies to supply compressed air for pneumatic tools such as hammer drills, concrete breakers, clay diggers, woodborers, sump pumps, chain saws, hoists, etc. Generally towed by 10-tonner.

**Body Details**—All steel, welded, tarpaulin, superstructure, convoy lights, stop lights, impact brakes, parking brake. Equipment includes petrol engine driven compressor with receiver, water tank, etc, capacity 210 cfm at 100 psi, also spare parts, hand tools, hoses and pneumatic tools as listed above.

## Performance

Bridge classification.....	(per MTP 74).....	4
Maximum gradability.....	(not applicable)	
Turning circle (minimum).....	(not applicable)	
Angle of approach.....	(not applicable)	
Angle of departure.....	(not applicable)	
Fording depth.....	(ins).....	24
Fuel consumption (average).....	(not applicable)	
Maximum speed.....	(not applicable)	

## Engine Details

Manufacturer.....	Waukesha
Type.....	petrol, 4 cyc, 6 cyls in line
Size.....	bore (ins) 4½, stroke (ins) 5½
Power.....	(not available)
Ignition.....	magneto
Capacity... fuel (gals) 26, water (qts) 52, oil (qts) 8	

## Tire Details

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

## Weight and Dimensions

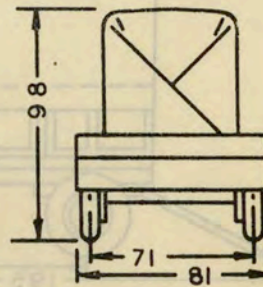
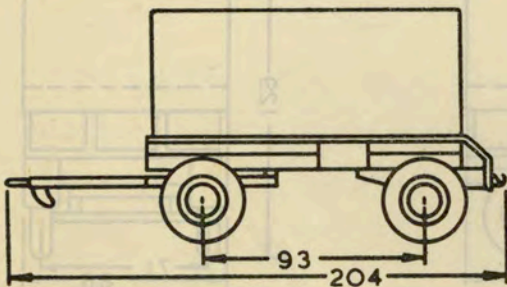
Curb weight (front axle).....	(lbs).....	4825
Curb weight (rear axle).....	(lbs).....	4975
Laden weight (front axle).....	(lbs).....	4825
Laden weight (rear axle).....	(lbs).....	4975
Ground clearance (minimum).....	(ins).....	15
Wheelbase (front to rear).....	(ins).....	93
Shipping space (deck area).....	(sq ft).....	120
Shipping space (standing).....	(cu ft).....	950
Dimensions overall.....	(see drawing below)	

## Publications Applying

Maintenance manual.....	SB-5
Parts list.....	COMP-1R-2
Waterproofing instrs (chassis).....	AC-117

## Additional Data

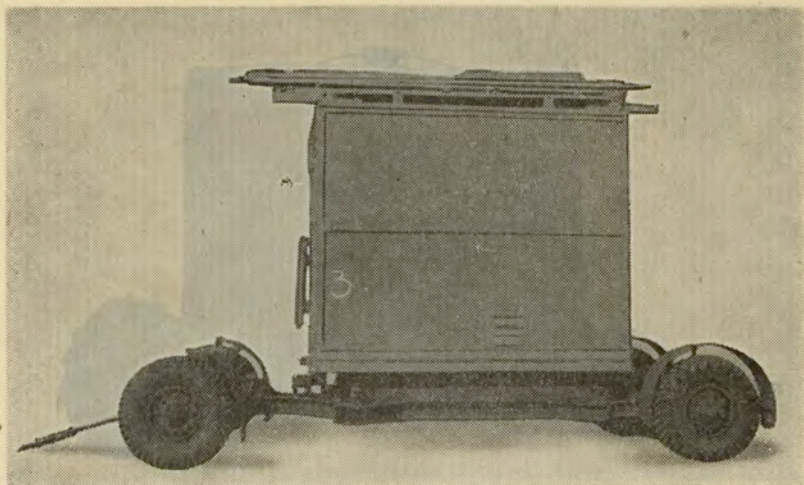
(For bridge classification when towed see current instructions. Above engine details refer to compressor engine.)



# TRAILER, 4-WH, AA, No. 1, MK II (R)

(Receiver, 5-ton, 4-wh, 161 wb)

Manufacturer—R.A. Dyson and Co.



**Operational Role**—Used by RCA in HAA regiment of Army formation in conjunction with transmitter trailer to provide accurate range, bearing and elevation of enemy aircraft by means of Radar equipment. Can also be used as 'putter-on' for GL III because of long range.

**Body Details**—House type, impact brakes, levelling jacks, offside door, steering by pivoted front axle. Equipment includes AA, No. 1, Mk II receiver. Carries 4 operators. Power supply from 15-kva trailer. Generally towed by FWD medium tractor.

## Performance

Bridge classification.....(per MTP 74).....	5
Maximum gradability.....(not applicable)	
Turning circle (minimum).....(not applicable)	
Angle of approach.....(not applicable)	
Angle of departure.....(not applicable)	
Fording depth.....(ins).....	24
Fuel consumption (average).....(not applicable)	
Maximum speed.....(not applicable)	

## Engine Details

Manufacturer.....(not applicable)	
Type.....(not applicable)	
Size.....(not applicable)	
Power.....(not applicable)	
Ignition.....(not applicable)	
Capacity.....(not applicable)	

## Tire Details

Treads.....front (ins) 64, rear (ins) 81	
Size.....(ins) 9.00 x 16	
Pressure.....(see current instructions)	

## Weight and Dimensions

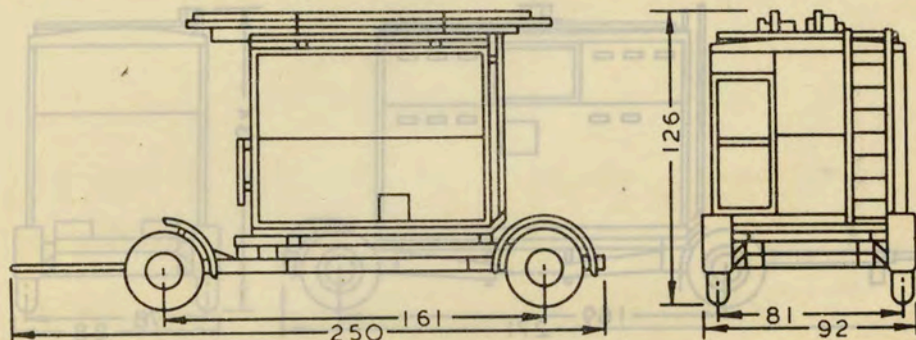
Curb weight (front axle).....(lbs).....	5570
Curb weight (rear axle).....(lbs).....	6860
Laden weight (front axle).....(lbs).....	5570
Laden weight (rear axle).....(lbs).....	6860
Ground clearance (minimum).....(ins).....	11
Wheelbase (front to rear).....(ins).....	161
Shipping space (deck area).....(sq ft).....	160
Shipping space (standing).....(cu ft).....	1670
Dimensions overall.....(see drawing below)	

## Publications Applying

Maintenance manual.....(not available)	
Parts list.....VAOS LV7/TR	
Waterproofing instrs (chassis).....(not available)	

## Additional Data

(For bridge classification when towed, see current instructions.)

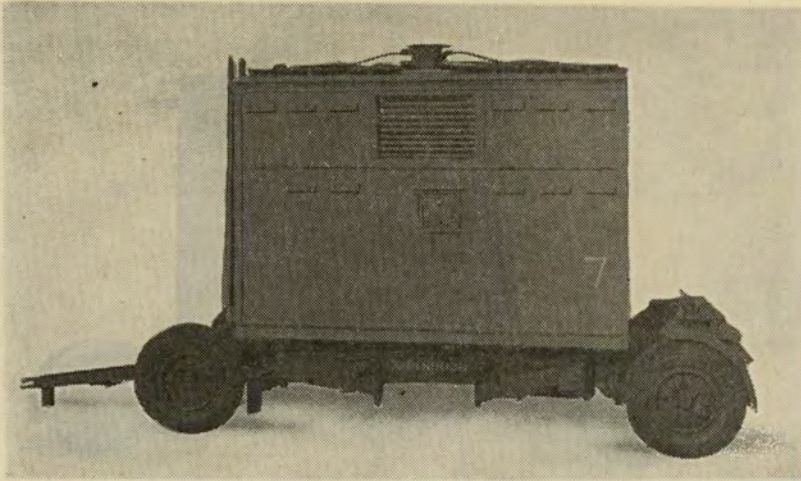




# TRAILER, 4-WH, AA, No. 1, MK II (T)

(Transmitter, 5-ton, 4-wh, 169 wb)

Manufacturer—Hands Ltd.



**Operational Role**—Used by RCA in HAA regiment of Army formation in conjunction with receiver trailer to provide accurate range, bearing and elevation of enemy aircraft by means of Radar equipment. Can also be used as 'putter-on' for GL III because of long range.

**Body Details**—House type, impact brakes on front axle, offside door, levelling jacks, steering by pivoted front axle. Equipment includes AA, No. 1, Mk II transmitter. Carries one operator. Power supply from 15-kva trailer. Towed by FWD medium tractor.

## Performance

Bridge classification.....(per MTP 74).....	6
Maximum gradability.....	(not applicable)
Turning circle (minimum).....	(not applicable)
Angle of approach.....	(not applicable)
Angle of departure.....	(not applicable)
Fording depth.....	(ins).....24
Fuel consumption (average).....	(not applicable)
Maximum speed.....	(not applicable)

## Engine Details

Manufacturer.....	(not applicable)
Type.....	(not applicable)
Size.....	(not applicable)
Power.....	(not applicable)
Ignition.....	(not applicable)
Capacity.....	(not applicable)

## Tire Details

Treads.....	front (ins) 78, rear (ins) 78
Size.....	(ins) 9.00 x 20
Pressure.....	(see current instructions)

## Weight and Dimensions

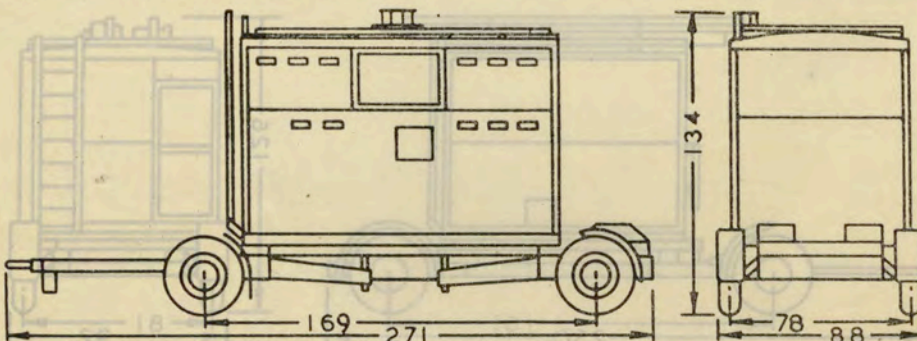
Curb weight (front axle).....(lbs).....	7390
Curb weight (rear axle).....(lbs).....	7620
Laden weight (front axle).....(lbs).....	7390
Laden weight (rear axle).....(lbs).....	7620
Ground clearance (minimum).....	(ins).....15
Wheelbase (front to rear).....	(ins).....169
Shipping space (deck area).....	(sq ft).....170
Shipping space (standing).....	(cu ft).....1890
Dimensions overall.....	(see drawing below)

## Publications Applying

Maintenance manual.....	(not available)
Parts list.....	VAOS LV7/TR
Waterproofing instrs (chassis).....	(not available)

## Additional Data

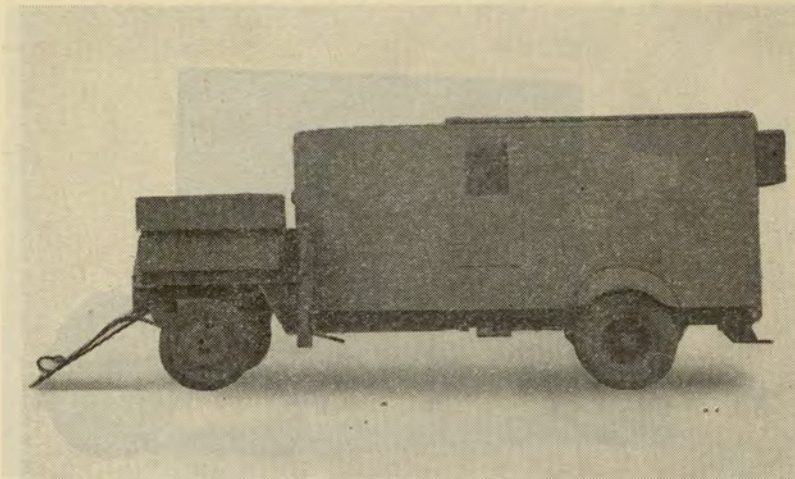
(For bridge classification when towed, see current instructions. Same body also mounted on Scammell design chassis with tires 10.50 x 16.)



# TRAILER, 4-WH, AA, No. 3, MK II

(Receiver and transmitter, 5-ton, 4-wh, 170 wb)

Manufacturer—Taskers Ltd (and others to Tasker design).



Special equipment lockers on front of trailer, levelling jack on front of body, ventilator at rear

**Operational Role**—Used by RCA in HAA regiment of Army formation as mobile standard fire control instrument. Primary function is to provide accurate range, bearing and elevation of enemy aircraft by means of radar AA, No. 3, Mk II equipment and transmit same to gun site by phone (15 core cable).

**Body Details**—House type, drop frame, turntable steering, single line air brakes, side and rear doors, levelling jacks. Fittings include radar equipment, plotting table, special alternator driven by petrol engine, head and breast phones, maintenance tools, etc. Towed by FWD medium tractor.

## Performance

Bridge classification.....	(per MTP 74).....	8
Maximum gradability.....	(not applicable)	
Turning circle (minimum).....	(ft).....	46
Angle of approach.....	(not applicable)	
Angle of departure.....	(not applicable)	
Fording depth.....	(ins).....	24
Fuel consumption (average).....	(not applicable)	
Maximum speed.....	(not applicable)	

## Engine Details

Manufacturer.....	(not applicable)
Type.....	(not applicable)
Size.....	(not applicable)
Power.....	(not applicable)
Ignition.....	(not applicable)
Capacity.....	(not applicable)

## Tire Details

Treads.....	front (ins) 60½, rear dual (ins) 89¾
Size.....	(ins) 36 x 8
Pressure.....	(see current instructions)

## Weight and Dimensions

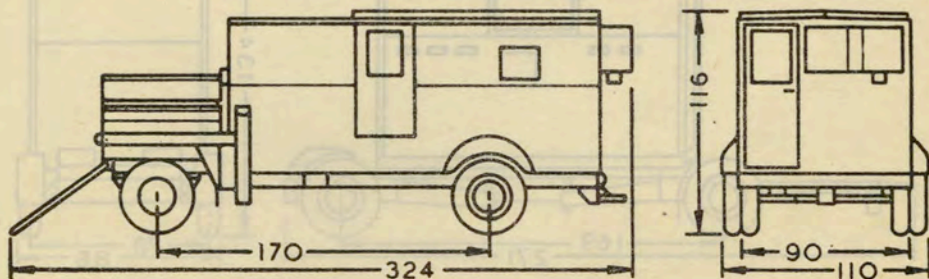
Curb weight (front axle).....	(lbs).....	6950
Curb weight (rear axle).....	(lbs).....	13800
Laden weight (front axle).....	(lbs).....	6950
Laden weight (rear axle).....	(lbs).....	13800
Ground clearance (minimum).....	(ins).....	15
Wheelbase (front to rear).....	(ins).....	170
Shipping space (deck area).....	(sq ft).....	250
Shipping space (standing).....	(cu ft).....	2400
Dimensions overall.....	(see drawing below)	

## Publications Applying

Maintenance manual.....	(not available)
Parts list.....	VAOS LV7/TR
Waterproofing instrs (chassis).....	(not available)

## Additional Data

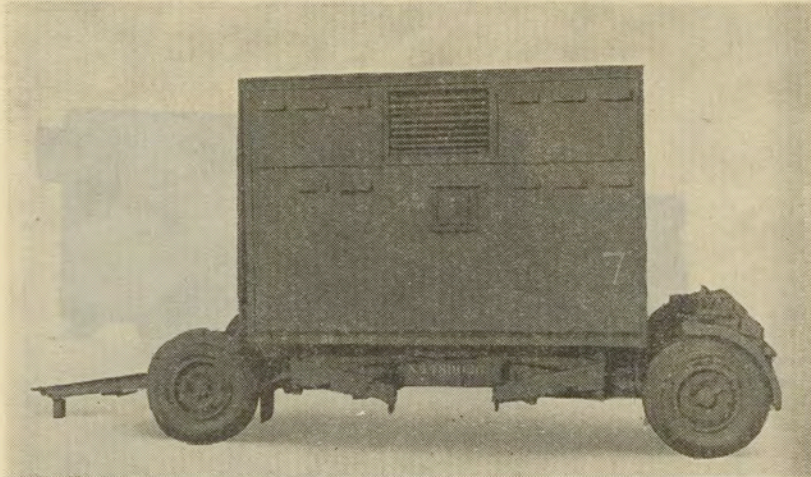
(For bridge classification when towed, see current instructions.)



# TRAILER, AA, No. 4, MK V

(5-ton, 4-wh, 169 wb)

Manufacturer—Hands Ltd.



**Operational Role**—Used by RCA in HAA regiment (in 21 Army Group only) on scale of 2 per AAOR functioning as a 'putting on' set. Consists of HT 277 assemblies in AA, No. 1, Mk II transmitter cabin.

**Body Details**—House type, impact brakes on front axle, offside door, levelling jacks, steering by pivoted front axle. Equipment includes "centimetric" putting on set. Carries 2 operators. Power supply from 15-kva trailer. Towed by FWD medium tractor.

### Performance

Bridge classification.....(per MTP 74).....	7
Maximum gradability.....	(not applicable)
Turning circle (minimum).....	(not applicable)
Angle of approach.....	(not applicable)
Angle of departure.....	(not applicable)
Fording depth.....	(not applicable)
Fuel consumption (average).....	(not applicable)
Maximum speed.....	(not applicable)

### Engine Details

Manufacturer.....	(not applicable)
Type.....	(not applicable)
Size.....	(not applicable)
Power.....	(not applicable)
Ignition.....	(not applicable)
Capacity.....	(not applicable)

### Tire Details

Treads.....	front (ins) 78, rear (ins) 78
Size.....	(ins) 9.00 x 20
Pressure.....	(see current instructions)

### Weight and Dimensions

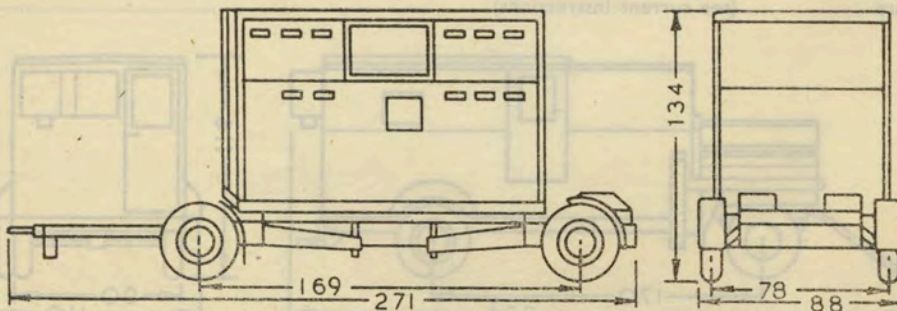
Curb weight (front axle).....(lbs).....	7390
Curb weight (rear axle).....(lbs).....	7620
Laden weight (front axle).....(lbs).....	7390
Laden weight (rear axle).....(lbs).....	7620
Ground clearance (minimum).....(ins).....	15
Wheelbase (front to rear).....(ins).....	169
Shipping space (deck area).....(sq ft).....	170
Shipping space (standing).....(cu ft).....	1890
Dimensions overall.....	(see drawing below)

### Publications Applying

Maintenance manual.....	(not available)
Parts list.....	VAOS LV7/TR
Waterproofing instrs (chassis).....	(not available)

### Additional Data

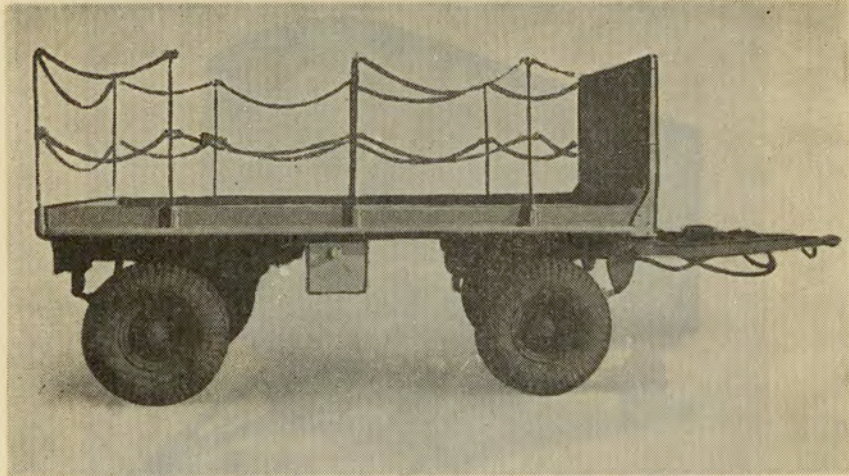
(For bridge classification when towed, see current instructions.)



# TRAILER, 4-WH, 5-TON, GS

(5-ton, 4-wh, 102 wb)

Manufacturer—Eagle Engineering Co.



Stanchions and chains shown in photo can be removed and stowed in box under body

**Operational Role**—Used by RCASC in general transport company along lines of communication as a general utility medium weight trailer to transport stores and supplies. Towed by 6-ton or 10-ton GS load carriers.

**Body Details**—Composite, length 12 ft, flat platform, single line vacuum or single line air pressure brakes on rear wheels, parking brake, turntable steering. Body has fixed front panel, side stanchions and chains both removable for bulky indivisible loads. Chock rail at sides and rear. Tool bin and stowage for chains and stanchions.

## Performance

Bridge classification.....(per MTP 74).....	8
Maximum gradability.....(not applicable)	
Turning circle (minimum).....(not applicable)	
Angle of approach.....(not applicable)	
Angle of departure.....(not applicable)	
Fording depth.....(ins).....	24
Fuel consumption (average).....(not applicable)	
Maximum speed.....(not applicable)	

## Engine Details

Manufacturer.....(not applicable)	
Type.....(not applicable)	
Size.....(not applicable)	
Power.....(not applicable)	
Ignition.....(not applicable)	
Capacity.....(not applicable)	

## Tire Details

Treads.....front (ins) 77, rear (ins) 77	
Size.....(ins) 10.50 x 13	
Pressure.....(see current instructions)	

## Weight and Dimensions

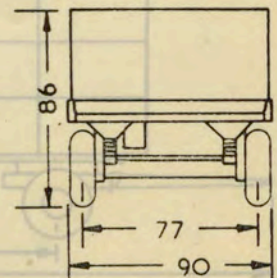
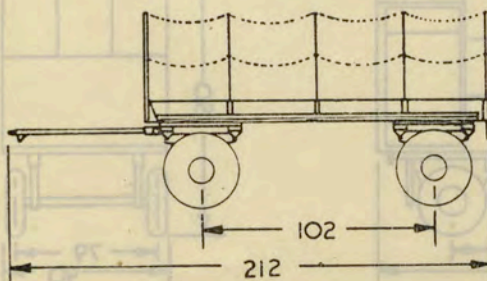
Curb weight (front axle).....(lbs).....	2830
Curb weight (rear axle).....(lbs).....	2190
Laden weight (front axle).....(lbs).....	8064
Laden weight (rear axle).....(lbs).....	8176
Ground clearance (minimum).....(ins).....	11
Wheelbase (front to rear).....(ins).....	102
Shipping space (deck area).....(sq ft).....	130
Shipping space (standing).....(cu ft).....	930
Dimensions overall.....(see drawing below)	

## Publications Applying

Maintenance manual.....(not available)	
Parts list.....	VAOS LV7/TR
Waterproofing instrs (chassis).....	AC-120

## Additional Data

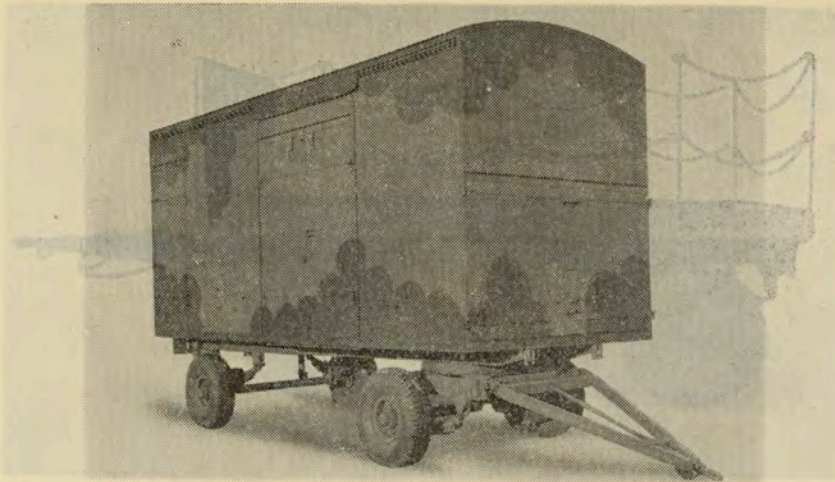
(For bridge class when towed, see current instructions. Similar trailer but Hobbs make, with fixed sides, and electric brakes may be issued in lieu.)



# TRAILER, 4-WH, LAUNDRY, CCS

(Laundry, Casualty Clearing Station, 5-ton, 4-wh, 137 wb)

Manufacturer—Brockhouse (chassis).



**Operational Role**—Used by RCO mobile laundry units (type B) in sets of 4, for washing personal underclothing; also by Casualty Clearing Stations for washing arisings of a CCS. This type is complete laundry in one vehicle. Used for both armoured and infantry divisions.

**Body Details**—House type, steel, length 19 ft, impact brakes. Equipment includes boiler unit with hot and cold water system, washing machine, hydro extractor, tumbler, drier, petrol driven generator. Bulkhead isolates steam and power plant from process machinery. Towed by FWD medium tractors.

## Performance

Bridge classification.....	(per MTP 74).....	9
Maximum gradability.....	(not applicable)	
Turning circle (minimum).....	(ft).....	45
Angle of approach.....	(not applicable)	
Angle of departure.....	(not applicable)	
Fording depth.....	(ins).....	24
Fuel consumption (average).....	(not applicable)	
Maximum speed.....	(not applicable)	

## Engine Details

Manufacturer.....	(not applicable)
Type.....	(not applicable)
Size.....	(not applicable)
Power.....	(not applicable)
Ignition.....	(not applicable)
Capacity.....	(not applicable)

## Tire Details

Treads.....	front (ins) 79, rear (ins) 79
Size.....	(ins) 10.50 x 16
Pressure.....	(see current instructions)

## Weight and Dimensions

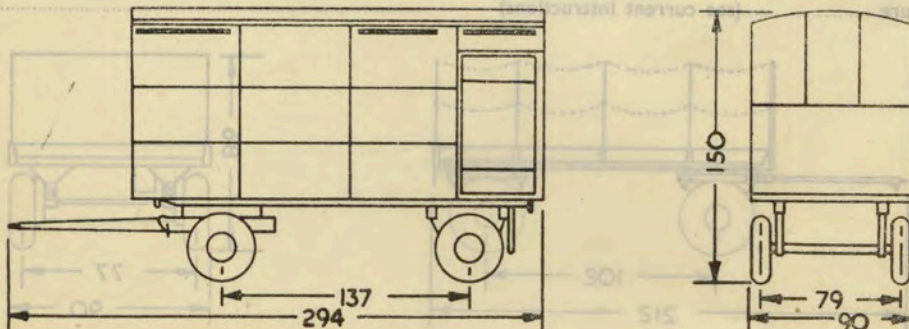
Curb weight (total).....	(lbs).....	19040
Curb weight (rear axle).....	(not available)	
Laden weight (total).....	(lbs).....	19040
Laden weight (rear axle).....	(not available)	
Ground clearance (minimum).....	(ins).....	14
Wheelbase (front to rear).....	(ins).....	137
Shipping space (deck area).....	(sq ft).....	150
Shipping space (standing).....	(cu ft).....	1540
Dimensions overall.....	(see drawing below)	

## Publications Applying

Maintenance manual.....	Pamph 19
Parts list.....	VAOS LV7/TR
Waterproofing instrs (chassis).....	No. 580

## Additional Data

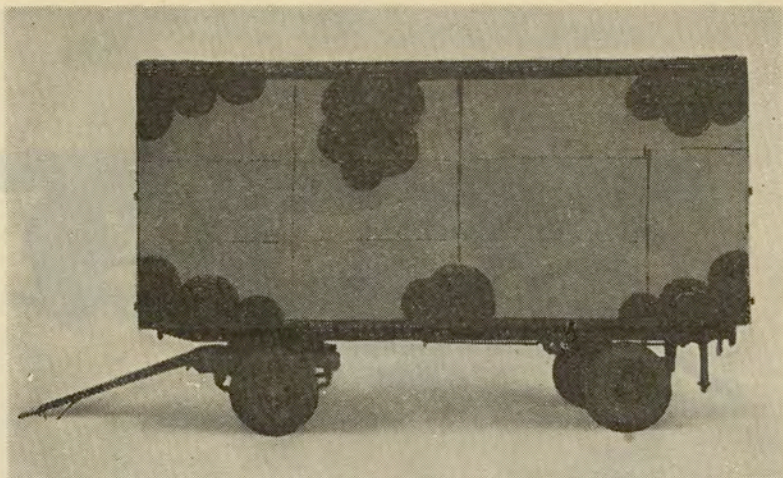
(For bridge classification when towed, see current instructions.)



# TRAILER, 4-WH, LAUNDRY, MK II

(5-ton, 4-wh, 137 wb)

Manufacturer—Brockhouse (chassis).



Standard Brockhouse trailer above houses either boiler, washer or drier

**Operational Role**—Used by RCOC mobile laundry units (type A), for washing personal underclothing in Corps, L of C, and base fmns. Each unit has 8 trailers, namely 2 boilers, 2 washers, 2 driers and 2 generator trailers. Mobile Base Laundry comprises 6 such units and washes blankets, RSD returns, etc.

**Body Details**—House type, steel, length 19 ft, impact brakes. In type A (washer) and type C (drier), half one side is let down on levelling jacks for working platform, with other half as roof. In type D (boiler) sides are roll up canvas curtains. Towed by FWD medium tractor.

## Performance

Bridge classification.....(per MTP 74).....	9
Maximum gradability.....(not applicable)	
Turning circle (minimum).....(ft).....	45
Angle of approach.....(not applicable)	
Angle of departure.....(not applicable)	
Fording depth.....(ins).....	24
Fuel consumption (average).....(not applicable)	
Maximum speed.....(not applicable)	

## Engine Details

Manufacturer.....(not applicable)	
Type.....(not applicable)	
Size.....(not applicable)	
Power.....(not applicable)	
Ignition.....(not applicable)	
Capacity.....(not applicable)	

## Tire Details

Treads.....front (ins) 79, rear (ins) 79	
Size.....(ins) 10.50 x 16	
Pressure.....(see current instructions)	

## Weight and Dimensions

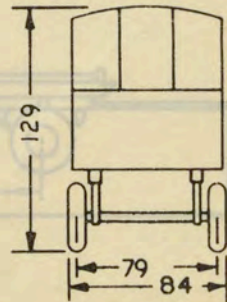
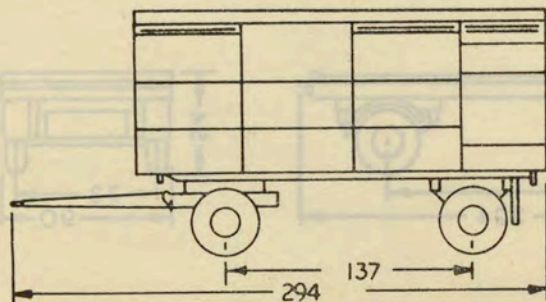
Curb weight (total).....(lbs).....	20160
Curb weight (rear axle).....(not available)	
Laden weight (total).....(lbs).....	20160
Laden weight (rear axle).....(not available)	
Ground clearance (minimum).....(ins).....	14
Wheelbase (front to rear).....(ins).....	137
Shipping space (deck area).....(sq ft).....	150
Shipping space (standing).....(cu ft).....	1540
Dimensions overall.....(see drawing below)	

## Publications Applying

Maintenance manual.....	Pamph 19
Parts list.....	VAOS LV7/TR
Waterproofing instrs (chassis).....	No. 580

## Additional Data

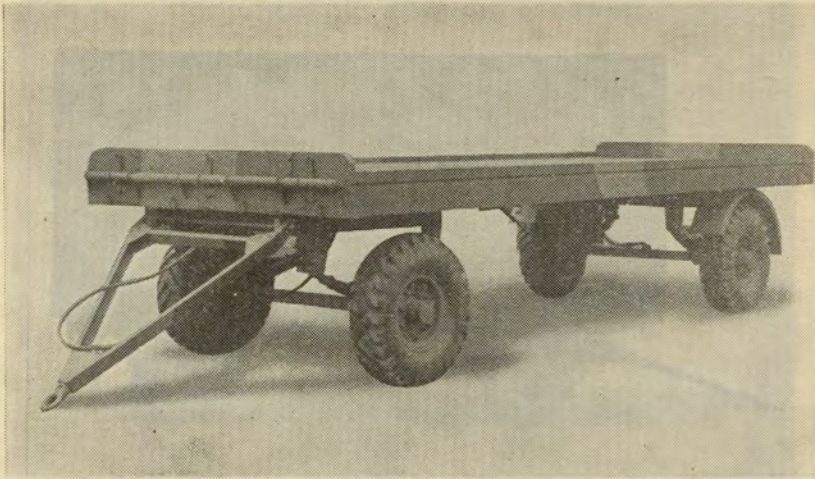
(For bridge classification when towed, see current instructions. Above weight applies to washer. The other trailers weigh about 14000 lbs.)



# TRAILER, 4-WH, 6-TON, GS

(Carrimore, 6-ton, 4-wh, 180 wb)

Manufacturer—Carrimore Tractor Co., Scammell & Nephew.



**Operational Role**—Used by RCEME (advanced base workshops only), for movement of heavy 1098 machinery such as large lathes, milling machines, etc, from one static location to another. Generally towed by 10-tonners of RCASC general transport company.

**Body Details**—Composite, flat bed length 22 ft, cable operated brakes, hand parking brakes, stop and convoy lights, chock rails, rollers front and rear, end boards fold down, turntable steering. (Formerly known as Holdfast Trailer.)

## Performance

Bridge classification.....(per MTP 74).....	9
Maximum gradability.....	(not applicable)
Turning circle (minimum).....	(not applicable)
Angle of approach.....	(not applicable)
Angle of departure.....	(not applicable)
Fording depth.....	(ins) 24
Fuel consumption (average).....	(not applicable)
Maximum speed.....	(not applicable)

## Engine Details

Manufacturer.....	(not applicable)
Type.....	(not applicable)
Size.....	(not applicable)
Power.....	(not applicable)
Ignition.....	(not applicable)
Capacity.....	(not applicable)

## Tire Details

Treads.....	front (ins) 73, rear (ins) 73
Size.....	(ins) 10.50 x 16
Pressure.....	(see current instructions)

## Weight and Dimensions

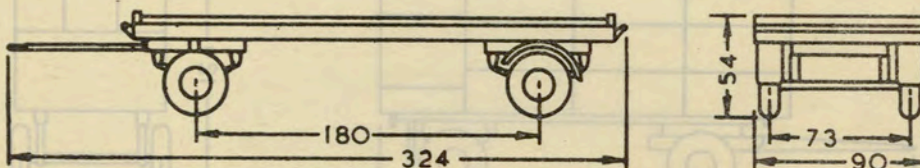
Curb weight (total).....	(lbs) 5720
Curb weight (rear axle).....	(not available)
Laden weight (total).....	(lbs) 19160
Laden weight (rear axle).....	(not available)
Ground clearance (minimum).....	(ins) 16
Wheelbase (front to rear).....	(ins) 180
Shipping space (deck area).....	(sq ft) 210
Shipping space (standing).....	(cu ft) 920
Dimensions overall.....	(see drawing below)

## Publications Applying

Maintenance manual.....	(not available)
Parts list.....	VAOS LV7/TR
Waterproofing instrs (chassis).....	AC-120

## Additional Data

(For bridge classification when towed, see current instructions.)

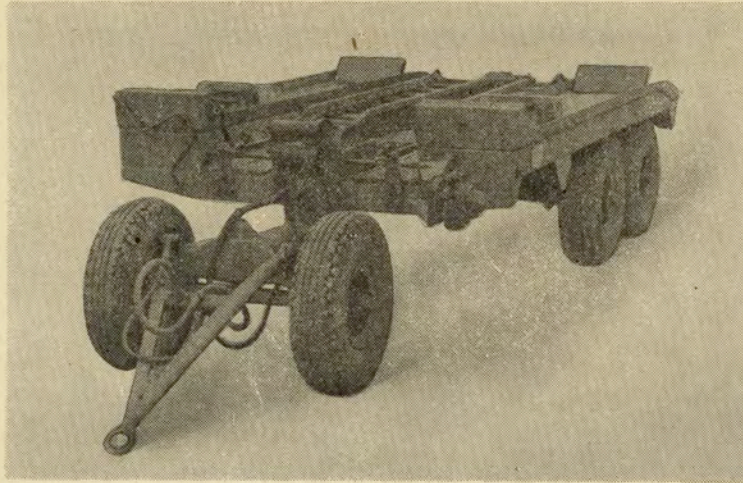


# TRAILER, 6-WH, 7-TON, LIGHT RECOVERY

(7-ton, 6-wh, 136 wb)

**Manufacturer**—Several firms per AEDB specifications.

**Vehicle Code**—I8M-F-LREC.



**Operational Role**—Used by RCEME workshops and by certain LADs type A for transporting universal carriers and other light tracked and wheeled vehicles to repair areas.

**Body Details**—All steel, length 148 ins, with 2 longitudinal troughs for vehicle tracks. Includes 2 steel loading ramps, hand loading winch with 50 ft of  $\frac{3}{8}$  cable, and air-operated hydraulic brakes. Has 6 running tires, one spare.

## Performance

Bridge classification.....(per MTP 74).....	10
Maximum gradability.....(not applicable).....	
Turning circle (minimum).....(ft).....	65
Angle of approach.....(deg).....	37
Angle of departure.....(deg).....	46
Fording depth.....(ins).....	24
Fuel consumption (average).....(not applicable).....	
Maximum speed.....(not applicable).....	

## Engine Details

Manufacturer.....(not applicable).....	
Type.....(not applicable).....	
Size.....(not applicable).....	
Power.....(not applicable).....	
Ignition.....(not applicable).....	
Capacity.....(not applicable).....	

## Tire Details

Treads.....front (ins) 45, rear (ins) 75
Size.....(ins) 10.50 x 16
Pressure.....(see current instructions)

## Weight and Dimensions

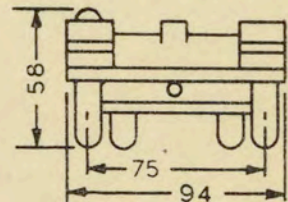
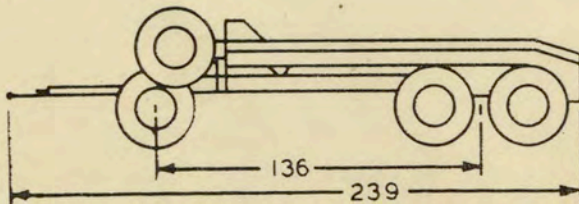
Curb weight (front axle).....(lbs).....	2440
Curb weight (rear bogie).....(lbs).....	5190
Laden weight (front axle).....(lbs).....	6380
Laden weight (rear bogie).....(lbs).....	17250
Ground clearance (minimum).....(ins).....	15
Wheelbase (front to rear).....(ins).....	136
Shipping space (deck area).....(sq ft).....	160
Shipping space (standing).....(cu ft).....	780
Dimensions overall.....(see drawing below)	

## Publications Applying

Maintenance manual.....	SB-6
Parts list.....	SB-6
Waterproofing instrs (chassis).....	No. 46

## Additional Data

(For bridge classification when towed, see current instructions.)





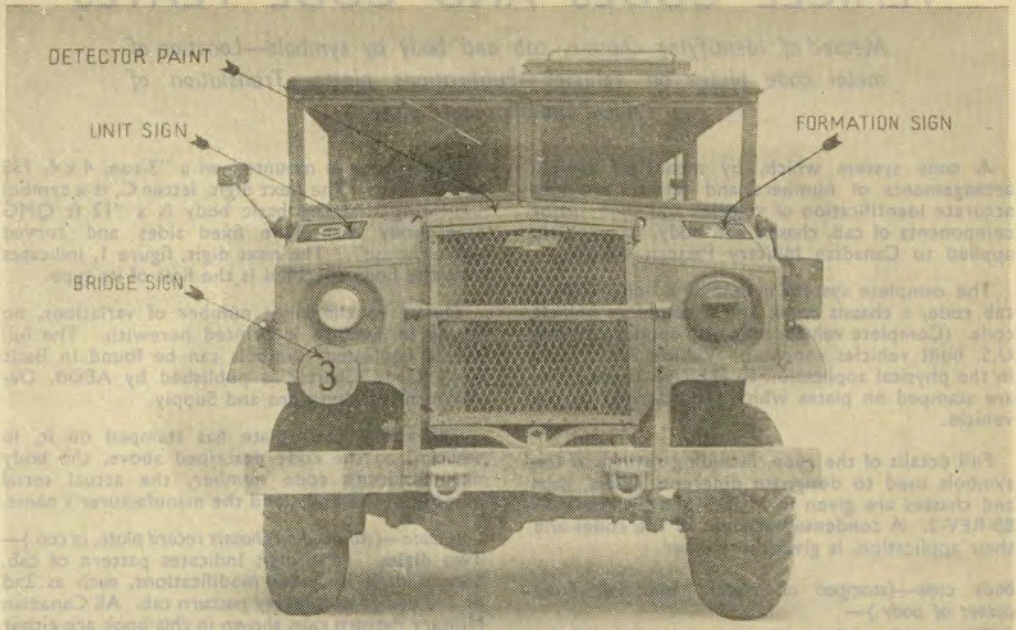
## FOURTH SECTION

### *Technical Information Pages*

In the pages of the succeeding section of this book, technical information pages are contained:

Vehicle Marking Signs  
Vehicle Codes and Code Plates  
WD Numbers  
Tires Used on Military Vehicles  
Standard Vehicle Tool Tables  
Publications Covering "B" Vehicles  
Typical "B" Vehicle Basic Kit List  
Regulations for Movement of Vehicles  
Vehicle Tonnage Ratings  
Lubricants Used on "A" Vehicles  
Lubricants Used on "B" Vehicles  
Abbreviations Used in This Book

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Above photo shows bridge sign in recently authorized new position, below offside headlamp.

## VEHICLE MARKING SIGNS

*Types and locations of authorized marking signs as used for identification and control of vehicles*

For the identification and efficient traffic control of vehicles, an official system of vehicle marking is established. The marking is done by means of signs or stencils. Details of the standard signs are given hereunder :

- (a) **Formation sign :** This sign is stencilled on the *nearside* front mudguard. If vehicle has no mudguards, sign is placed in position corresponding to *nearside* front mudguard. Motorcycles do not carry formation signs.
- (b) **Unit sign :** Unit vehicles bear two signs, one in front and one in rear. The front sign is, when possible, stencilled on *offside* front mudguard, or some similar position. The rear sign is stencilled on *offside* of tailboard, or some similar position. On motorcycles, unit sign is placed on forward end of petrol tank, and on the rear mudguard. Trailers do not carry unit signs.
- (c) **Tactical signs :** These signs indicate tactical role of vehicle. They are placed on vehicles at discretion of regimental, etc, commanders, but are subject to standardization by higher command. If placed in front and rear of vehicle, tactical signs must not interfere with other signs. The preferred position is on the sides of vehicles. In armoured formations, tactical sign is painted on front, sides and rear of turret; if there is no turret, sign is painted on front, sides and rear.
- (d) **Bridge classification signs :** This sign is painted on a metal disc which is fixed on the *offside* between the edge of the radiator and the outer edge of the mudguard. If vehicle has no mudguard, sign is fitted in position corresponding to *offside* mudguard. (Full details are contained in Military Training Pamphlet No. 74, qv).
- (e) **Commanders' and staff signs :** These signs are illuminated signs carried by certain commanders and staff officers during the hours of darkness. They are fitted to the rear *offside* of the body by a bracket 6 inches above the level of the rear wing.
- (f) **Speed limit signs :** With certain exceptions, speed limit signs are stencilled upon the tailboard, rear panel or equivalent position of "B" vehicles. Certain additional signs are authorized in special circumstances. These additional signs are listed hereunder :
  - (1) Bomb disposal sign
  - (2) Home guard sign
  - (3) Tire pressure sign
  - (4) Convoy sign
  - (5) Left hand drive sign
  - (6) Emergency sign

Full details regarding size, and regulations generally concerning vehicle signs are contained in the War Office publication, Vehicle Marking 1943.

# VEHICLE CODES AND CODE PLATES

*Method of identifying chassis, cab and body by symbols—Location of metal code plates on vehicles—Publications plates—Translation of typical chassis record plate.*

A code system which, by means of certain arrangements of numbers and letters provides accurate identification of vehicles and their major components of cab, chassis and body, is currently applied to Canadian Military Pattern vehicles.

The complete system embraces a body code, a cab code, a chassis code, and a complete vehicle code. (Complete vehicle code also applies to some U.S. built vehicles shown on Vehicle Unit List.) In the physical application to vehicles, these codes are stamped on plates which are attached to the vehicle.

Full details of the code, including listings of the symbols used to designate different bodies, cabs and chassis are given in M & S Specification OA 85-REV-2. A condensed account of the codes and their application, is given hereunder.

*Body code—(stamped on metal plate, left front corner of body.)—*

Three or four digits. In this code (as in all the other codes) the digits are symbols. The first, or first and second, digits represent the type of vehicle. The next digit represents basic body. The next digit represents a variation of basic body, such as floor reinforcement. Take for example the typical body code digits "5-C-1". The first digit, figure 5, is a symbol indicating

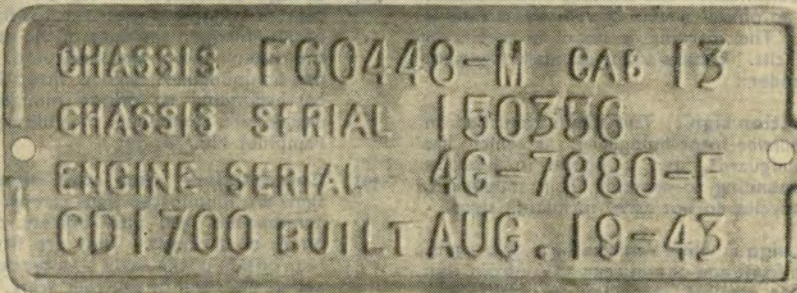
that the body is mounted on a "3-ton, 4 x 4, 158 wb" chassis. The next digit, letter C, is a symbol indicating that the basic body is a "12 ft QMG steel body with 30-in fixed sides and curved wheel house". The next digit, figure 1, indicates that the body specified is the first of its type.

Owing to the large number of variations, no listing of symbols is printed herewith. The full list of equivalent symbols can be found in Basic Body Code Charts, as published by AEDB, Department of Munitions and Supply.

The actual code plate has stamped on it, in addition to the code described above, the body manufacturer's code number, the actual serial number of the body, and the manufacturer's name.

*Cab code—(stamped on chassis record plate, in cab.)—* Two digits. First digit indicates pattern of cab. Second digit indicates modifications, such as 2nd or 3rd design of military pattern cab. All Canadian Military Pattern cabs shown in this book are either Code No. 11 (original design), or Code No. 12 (alligator hood), or Code No. 13, reverse slope windshield.

*Chassis code—(stamped on chassis record plate, in cab.)—* **New code**, introduced by D.C.I. B3-1598, 17 Jan 44, consists of one or more digits indicating capacity of chassis, followed by one or more letters



**TYPICAL CHASSIS RECORD PLATE**

Illustration above shows typical chassis record plate. Top line is chassis and cab code. In it letter "F" means Ford manufacture. Figures "60" mean 60-cwt, (i.e., 3-tonner). First figure "4" means four road wheels. Second figure "4" means four driving wheels. Figure "8" means 158 inch wheelbase. Letter "M" means Military Pattern. In cab code, figures "13" means No. 13 type cab (reverse slope windshield.)

Second line gives chassis serial number. Third line gives engine serial number. Fourth line gives order number (i.e. Contract Demand 1700), and date vehicle was built.

Therefore, full translation of above plate is—"Ford built, 3-tonner, 4 x 4, 158 inch wheelbase, Military Pattern, with No. 13 all-steel enclosed cab having reverse slope windshield, chassis serial number, engine serial number, built on order number CD 1700, on 19 Aug 43".

indicating wheelbase or other qualifying description. (See table this page.)

**Old code**, in force previous to 17 Jan 44, five or six digits. First left hand digit indicates manufacturer. Second and third from left indicate capacity in cwts. Fourth from left indicates number of road wheels. Fifth from left indicates number of driving wheels. Sixth from left indicates wheelbase. First to right of dash indicates pattern, military or commercial. (See table this page.)

**Other information**—(stamped on chassis record plate, in cab.)—In addition to cab code and chassis code, the chassis record plate carries chassis serial number, engine serial number, order number and date of manufacture.

**Complete vehicle code**—(stamped on a separate plate which is attached in cab adjacent to chassis record plate.)—

This complete code is made up of several items, as listed hereunder:

- Chassis code, as described above.
- Digits denoting vehicle use, e.g., GS, PERS, WKSP, MACH, DENT, AMB, DUMP, etc.
- Number indicating mark of vehicle. This number indicates only major changes affecting use, performance, or other key design changes.

**Vehicle publications plate**—(attached to panel in front of steering wheel.)—For Canadian built vehicles, this plate is stamped with,

- Words "Driver's Handbook" followed by symbol denoting book;
- Words "Maintenance Manual", followed by symbols denoting same;
- Words "Spare Parts List", followed by symbols denoting same.

**Special equipment publications plate**—(attached adjacent to special equipment.)—For Canadian built vehicles, this plate is stamped with,

- Words "Publications applying to special equipment on or in this vehicle", followed by symbols denoting same;
- Words "Maintenance Manual and Parts List", followed by symbols denoting same.

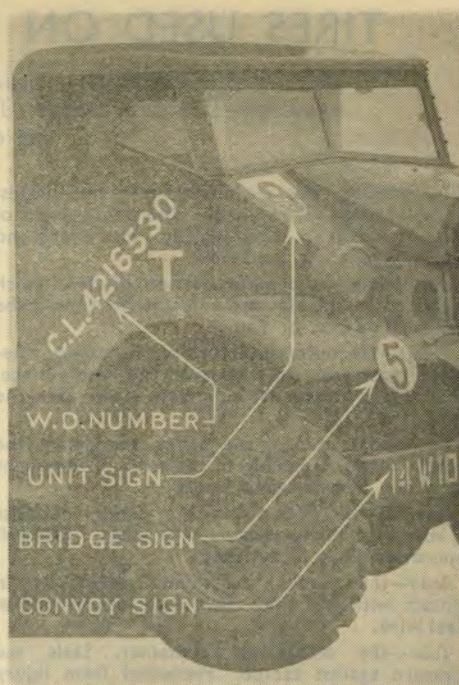
## CHASSIS CODE NUMBERS (DCI B3-1598)

### General Motors

Chassis type	Old code	New code
HU, 4 x 4, 101 wb	C-HU441-M	C8A
15-cwt, 4 x 4, 101 wb	C-15441-M	C15A
30-cwt, 4 x 4, 134 wb	C-30444-M	C30
3-ton, 4 x 4, 134 wb	C-60444-M	C60S
3-ton, 4 x 4, 158 wb	C-60448-M	C60L
3-ton, 6 x 6, 160 wb	C-60660-M	C60X
FAT, 4 x 4, 101 wb	C-60441-M	CGT

### Ford Motor Company

Chassis type	Old code	New code
15-cwt, 4 x 4, 101 wb	F-15441-M	F15A
30-cwt, 4 x 4, 134 wb	F-30444-M	F30
3-ton, 40-MM SP, 134 wb	F-60444-S	F60B
3-ton, 4 x 4, 134 wb	F-60444-M	F60S
3-ton, 4 x 4, 158 wb	F-60448-M	F60L
3-ton, 6 x 4, 160 wb	F-60640-M	F60H
FAT, 4 x 4, 101 wb	F-60441-M	FGT



Above photo shows census number in correct position on vehicle door, also bridge sign, unit sign and convoy sign.

## W.D. NUMBERS

### Prefix letters—How placed on vehicles

In order to provide a positive means of identifying individual vehicles, every military vehicle is given a separate serial number, also a prefix letter denoting type. These numbers are officially known as WD (War Department) numbers and commonly referred to as census numbers.

New vehicles are allotted numbers and stencilled with them before issuance from VRD. A self-locking seal with same number is wired to steering column.

In addition to prefix letter denoting type, the letter C, indicating that vehicle is held by Canadian Army, is placed before WD number. Letters used by Canadian Army are below:

Armoured cars	....	....	....	....	CF
Carriers	....	....	....	....	CT
Scout cars	....	....	....	....	CF
Tanks	....	....	....	....	CT
SP mountings	....	....	....	....	CS
Motorcycles	....	....	....	....	CC
Cars light	....	....	....	....	CM
Ambulances	....	....	....	....	CA
Trucks	....	....	....	....	CZ
Lorries	....	....	....	....	CL
Tractors	....	....	....	....	CH
Trailers (all types)	....	....	....	....	CX

The WD number is stencilled in white letters 3½ inches high, on both sides of engine hood and on rear. In the case of trucks and lorries of Canadian military pattern, number is placed horizontally in centre of door. If number is too long to place horizontally it is placed diagonally. In the case of motorcycles number is placed horizontally on each side of petrol tank.

Vehicles held by British Army also carry WD numbers and same letter prefixes (except for the C). Full details regarding size of letters, placing of WD numbers, and seals, are given in ORO 1719.

# TIRES USED ON MILITARY VEHICLES

Definitions of tire parts—Pneumatics and run-flats—Tire and tube markings—Size designations—Tread patterns—Maintenance, mounting and repair

All military tires are divided into two classes, (a) pneumatics, (b) run-flats. The arrangement of parts is shown in accompanying illustrations and descriptions are given below.

**Outer casing**—the outer portion of tire, which is carried by the rim and contains the inner tube and bead spacer, or flap.

**Tread**—the outermost part of the casing. Receives most wear as it runs on the road surface. Road side is known as the crown, lower part, the shoulders.

**Body**—that part of the casing supporting the tread. Bears all flexing of the tire. Component parts are sidewalls and beads.

**Sidewall**—the sides of the outer casing. Consist of cord layers impregnated with latex. Sidewall innermost circle is the bead.

**Bead**—that part of the sidewall which lies in contact with the rim. Each bead has a core of steel wire.

**Tube**—the actual air container. Seals the pressure against escape. Protected from injury by outer casing and bead spacer or flap.

**Flap** (also known as "rust slip", "rim band", etc)—a ring of rubber or fabric that fits around the rim. Protects the inner tube from injury by chafing against beads or rim. Used only on pneumatics.

**Valve** (includes components of cap, stem, nut, core, bridgeplate)—the tube vent. It is used to put air into the tube, and automatically seals the air against escape.

**Bead spacer, rubber type** (also known as bead lock)—an annular rubber ring of wedge section that lies on the rim between the tire beads. Prevents tire creep because air pressure holds down spacer edge against tire bead. Normally used only on run-flats (exception, assault operations.)

**Bead spacer, metal type** (includes hinged and segmental types)—used only with run-flats. Goes between beads, wedge action locks them against creep. Hinged type is most common. Segmental type (American design) has locking blocks evenly spaced over flexible steel band.

## Special Features of Pneumatics

Pneumatic tires were designed primarily for use on road surfaces. Military needs require a variation in design suitable for cross country work where mud and other conditions necessitate better traction.

These tires are vulnerable to punctures from nails, glass, bullets, shrapnel, etc. Punctures cause deflation and if run deflated these tires are rendered totally irreparable because the severe flexing breaks the cord in the sidewalls.

*Pneumatics come in two classes :*

(a) *General purpose (or highway) pattern*—characterized by close spaced tread pattern and shallow grooves.

(b) *Cross country pattern*—characterized by treads of bold design with wide bars and deep channels to dig into the ground. The use of this pattern (due to rubber shortage) is restricted to certain vehicles. When used, they are fitted to driving wheels only.

Either flaps or bead spacers must be used with pneumatics, to protect the inner tube.

## Special Features of Run-Flats

Run-flat tires (of which the American equivalent is Combat tires) require a considerable quantity of rubber and their use is restricted. They were primarily designed for use on combat vehicles.

The important feature of these tires is that they are capable of operation for 50 to 100 miles (at

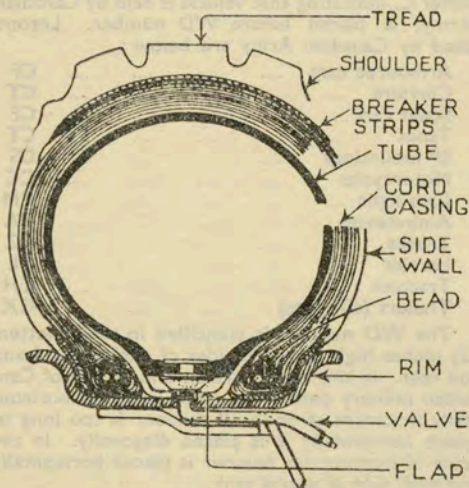


Illustration above shows cross-section of a pneumatic tire and the names of the component parts. In this case the tire is mounted, with flap, on a well base type rim.

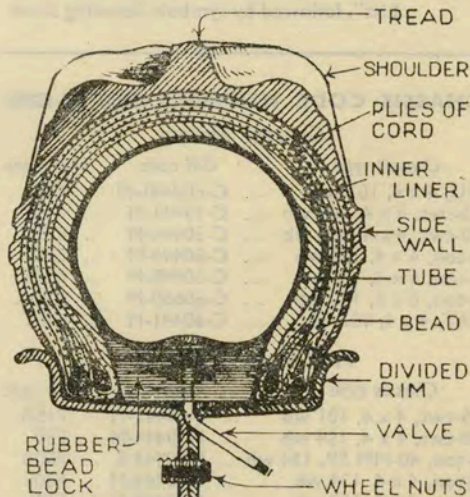


Illustration above shows cross-section of a run-flat tire and the names of the component parts. In this case the tire is mounted with rubber bead spacer on two-piece wheel.

speeds limited by order to 30 mph) with full load when enemy fire or other hazard has completely deflated the tire.

This ability is secured by special construction as below :

- (a) Stiff rubber innerliner cured to the inside of the tire. This stiffens the sidewall of the tire so that it will stand up under load without depending on inflation pressure for support.
- (b) Bead lock to prevent slippage of the deflated tire around the rim, otherwise the tire would not transmit the driving torque to the ground. Both metal and rubber bead locks are used.

Fitting of rubber bead locks is detailed in the Vehicle Maintenance Manuals. Metal bead locks are covered by MT Technical Bulletin Item B 420.

A new tube-less run-flat tire is now in use. It comes in size 7.00 x 18 and is supplied only for the Daimler Scout Car. It requires no inner tube as it operates without air pressure. Metal or rubber bead locks are used, with divided wheels.

#### Run-flats Reserved for Combat Vehicles

Canadian Routine Order No. 325 (21 Army Group) states that run-flats shall be fitted to armoured cars, scout cars and armoured command vehicles ; to specified artillery equipments including 6-pr, 17-pr, 25-pr, Bofors 40-mm SP, Trailer Arty No. 27 ; also to Cars Light Recce, White 15-cwt 4 x 4, M14 half-track and M3 half-track.

Practically the same regulation is promulgated by ORO 4662 which restricts the use of run-flat and cross-country pneumatic tires as below :

To use run-flats—all wheeled "A" vehicles ; cars, light recce ; trucks, 15-cwt, 4 x 4, armoured ; gun carriage, 6, 17 and 25-pr ; also 40-mm SP.

To use cross-country pneumatic (on driving wheels only)—RCCS vehs—all cable laying vehs and those vehs with armd bde, inf bde, armd regt and arty regt secs. RCASC vehs—tank tptrs, amn lorries, brkd lorries, light ambulance cars, vehs carrying br eqpt. RCE non-div vehs—all tractors, br lorries, derrick and winch vehs.

RCE div vehs—all fd sqn, fd coy vehs and br lorries.

CAC, RCA and Inf—adm tpt on HQ and tractors, arty.

RCEME—all rec vehs.

Formation HQ—all vehs.

#### Tire and Tube Markings

The following markings will be found on tires :  
**Maker's name**—Moulded on sidewall between shoulder of tread and the tire bead.

**Tire size**—Moulded on sidewall between shoulder of tread and tire bead.

**Run-flat designation**—Consists of the letters "RF1", "RF2", "RF3", etc, moulded on the casing sidewall. (Each signifies a different design.)

**Pneumatic designation**—Consists of the letters "CC" moulded on the casing sidewall.

**Metal bead lock marking**—Casings designed to be used with metal bead locks have the letters "MBL" moulded on the casing side wall.

**Directional marking**—Some tires will be found with an arrow moulded into sidewall marked "Drive Wheels". This must be disregarded and all tires mounted so open end of chevron touches the ground first.

**Synthetic rubber marking**—(1) A red medallion on one sidewall with superimposed letters or numerals (10/10, S3, S6, etc) or (2) an uncoloured medallion (either circular or oval) on one sidewall with superimposed letters or numerals, (S, S3, S5, or SYN, etc) or (3) letters or numerals as above without medallion.

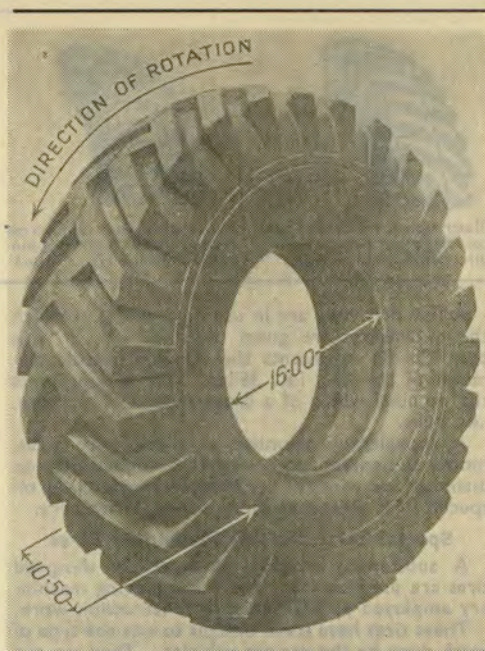


Photo of a cross country type tire above, size 10.50 x 16, shows how dimensions are given by width of cross-section and by bead diameter. The correct direction of rotation for chevron type tires is shown, i.e., the open end of chevron hits the ground first.

**Tire wear mark**—Certain production tires previous to the introduction of synthetics were moulded with an inlaid coloured warning strip. The appearance of this strip indicates that tread is worn to the point that re-treading is required. It is not found on synthetics.

**Synthetic tube marking**—Synthetic tubes are marked by a red circumferential stripe or by a red circle about 1 inch diameter near the valve stem.

**RF tubes for use with metal bead locks**—Tubes suitable for use with metal bead locks are marked either "Use with metal bead locks only" or "MBL" and also with letters "RF" near size markings.

**RF tubes for use with rubber bead spacer**—Marked with letters "RF" near the size marking.

**Inner tube size marks**—Stencilled on the tube generally near the valve. Should agree with tire size markings.

**Bullet resisting tube marks (used only on certain American combat vehicles, M3A1, M14, etc)**—Valves are painted green. Thickness greater than ordinary tube.

**Combat marking**—Word "Combat" is found on the sidewall of the U.S. Army equivalent to the run-flat.

**Tubeless run-flat**—Letters RFE (run flat experimental) are embossed on sidewall. Corresponding beadlocks are similarly marked.

#### Tire Size Designations

Many different tire sizes are required for the various road vehicles in the Canadian Army. At present 24 sizes are in operational use. These sizes are listed on the vehicle pages. (Brit Army has over 50 sizes in use.)

Tire size is designated by two dimensions only. For example, a tire 10.50 x 16, as shown in accompanying photo. These figures represent inches. The 10.50 inch dimension is the width of a cross section of the tire. The easiest way to measure it is to slip a pair of calipers over the tire. The 16 (or, as sometimes written, 16.00) is the diameter of the bead circle ; it will fit on a 16-inch diameter rim.



Illustration above shows cross country tread pattern (non-directional, British type.)

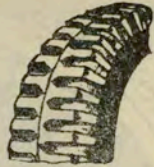


Illustration above shows cross country tread pattern (non-directional, U.S. type.)



Illustration above shows cross country tread pattern (directional type.)



Illustration above shows standard tread pattern (pneumatic or highway type.)

A few Brit tires are in use on trailers, of which the dimensions are given thus, 36 x 8. In this case, the 36 represents the nominal outside diameter of the tire, i.e., 36-ins. The 8 represents the nominal width of a cross section of the tire, i.e., 8-ins.

A considerable number of special tire sizes, mostly designated, by giving the nominal outside diameter and width of tire cross section are used on special RCE plant and earth moving machinery.

#### Special Earth Moving Machinery Tires

A substantial number of especially designed tires are used on plant and earth moving machinery employed by RCE units in construction work.

These tires have tread designs to suit the type of work done by the various vehicles. They are not suitable for use on MT vehicles.

A listing of these special tires is given in OER Vehicles General O 761 Cdn and the correct tire pressures are also shown. Particulars regarding identification and sidewall markings are given in ACI 1353.

#### Tire Tread Patterns

A great variety of tread patterns are in use. The reason for this is that different moulds are used by different makers. (Brit tires have over 100 patterns.)

These tread patterns are broadly similar. Their design is such as to give the maximum traction and wear on the terrain for which they were designed.

Standard commercial tread patterns are found only on pneumatics. They are made to give best service on roads. They all follow the principle of having shallow grooves between closely spaced rubber studs of either diamond, hexagonal, rectangular or similar shape.

Cross country patterns are designed to operate over roadless terrain. They all follow the principle of having deep, widely spaced bars or chevrons which dig into the ground.

Directional patterns are formed only on run-flats and cross-country pneumatics. The bars form a V-shape with the apex at the centre of the tread.

Non-directional patterns are also found on cross-country tires. In this type the bars are either straight across the tread or inclined at an angle.

#### Divided and Well Base Wheels

The 2-piece divided type wheel is fitted on most Canadian manufactured military vehicles except certain modified conventional vehicles and cars light.

This wheel consists of two sections. It is assembled into the tire, one section from either side. The two sections are then held together by bolts and nuts as shown in the illustration. The hub bolt nuts marked "A" retain the wheels on the hubs. The wheel nuts marked "B" keep the wheel sections together. It is dangerous to loosen nuts "B" while any air pressure remains in the tire.

The well base rim is not adjustable. Tires are mounted by forcing the tire bead over the rim flange by means of tire irons and are demounted in much the same way. The well base wheel is used on cars light and cars conventional.

Certain American manufactured vehicles are held by units of the Canadian Army. The wheels used are of different designs, but are mostly of the 2-piece divided type, although construction varies. In general, tires are mounted and removed by the same methods that apply to the Canadian 2-piece wheel. Details are given in the various technical manuals applying to the vehicles.

In some earlier American combat vehicles standard casings were used on drop-centre rims with removable side flanges. More recent types use combat casings with flap and metal bead lock. They are installed on a divided rim wheel, described as having a side retaining ring.

#### Pressures and Gauges

Various tables of tire pressures have been issued from time to time. The whole matter has been summed up in Canadian MT Technical Bulletin, Item B 434, dated 13 Jul 43.

The a/m bulletin lists the types of tire and corresponding correct pressures for wheeled "A" and "B" vehicles in the Canadian Army Overseas with

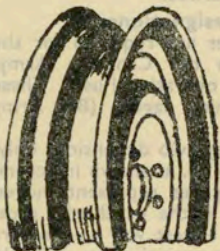


Illustration above shows non-adjustable well base rim.

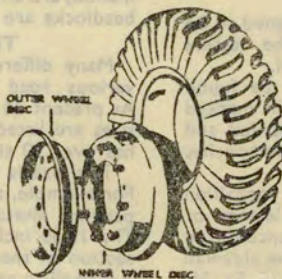


Illustration above shows two-piece divided wheel with outer wheel disc on the left.

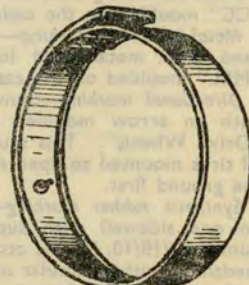


Illustration above shows hinged type metal bead-lock.

the following exceptions:

- (a) Certain armoured wheeled vehicles recently introduced
- (b) Artillery equipments
- (c) RCE plant and earth moving machinery

The correct tire pressures for vehicles in (a) above are promulgated in formation orders or in vehicle handbooks.

The correct tire pressures for artillery equipments in (b) above are promulgated in Overseas Routine Order 4258 dated 9 Feb 44.

The correct tire pressures for RCE plant and machinery in (c) above are promulgated in Overseas Engineering Regulations, under Vehicles General, O 761 Cdn.

Regulations regarding tire gauges and the use of master gauges are promulgated in OER, Vehicles General, O 766 Cdn.

#### Drivers Responsible for Tire Care

The importance of tire conservation has caused emphasis to be placed on the driver's responsibility. The vehicle log book AB 412, which is with every vehicle, lists tire maintenance tasks as No. 16, and provides a space for checking off as the tasks are done. The same task systems are printed in the Driver's Handbooks and in MT Driver's Regulations.

#### 10 Points of Tire Care

- (1) Avoid overloading
- (2) Avoid under-inflation
- (3) Avoid harsh braking, fierce acceleration
- (4) Avoid high speeds
- (5) Avoid "kerbing" bumps
- (6) Avoid delay in repairs
- (7) Check wheel alignment often
- (8) Remove stones and flints
- (9) Change tires round regularly
- (10) Remember recapping limits

#### Synthetics Need Extra Care

Synthetic tires are more easily damaged than crude rubber tires. Particularly on cross country work they tend to cut, chip, crack and "chunk-out".

A full description of characteristics of synthetic tires, the necessity for frequent inspections and special instructions for the repair of such tires and

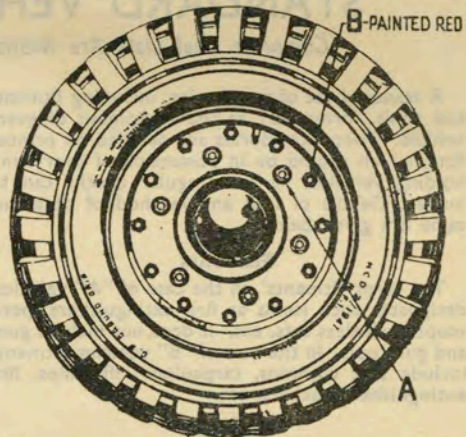


Illustration above shows outer side view of two-piece divided wheel as fitted to Canadian Military Pattern vehicles. Nuts marked "B" hold wheel together. Nuts marked "A" hold wheel to hub.

tubes are given in OER Vehicle General O 761 Cdn.

#### Causes of Tire Failure

Misalignment (incorrect toe-in), bad brakes, concussion, overloading, incorrect inflation, etc., all cause excessive tire wear. Information on the correction of these troubles and much other valuable instruction on tire conservation is given in MT Bulletin, Item B 434.

#### Mounting and Removal of Tires

The job of mounting new tires on rims or removal is fully described in the maintenance manuals MB-F1 and MB-C2 which are applicable to all Canadian Military Pattern vehicles. Tools for the work are held by first and higher echelon repair units.

#### Replacement Tires and Spares

Replacement tires are issued on an exchange basis only. Spare tires are carried either on unit transport or on vehicle and are held on a definite scale of so many per vehicle or vehicles. Full details are given in Appendix to ORO 4662.



Photo above shows used tire storage; with several samples of pneumatic patterns and both directional and non-directional run-flat tread patterns. It will be noted that piles are kept to a reasonable height, both to assist man-handling and prevent injury from pressure on the lowermost tires. Tires are cleaned before piling in this way. Tarpaulins are used for protection against the perishing action of sunlight.



# STANDARD VEHICLE TOOL TABLES

Complete Tool Lists Are Available For All Military Pattern Vehicles

A standard set of accessories, including fitments and tools, forms part of the equipment of every vehicle. These accessories are detailed on printed lists, which should be in possession of every unit holding vehicles, so that regular checks can be made. Details of lists and method of obtaining same are given below.

## Fitments

The term 'fitments', in the case of "A" vehicles, designates such items as fire extinguishers, periscopes, wireless sets, etc. It does not include guns and gun tools. In the case of "B" vehicles, fitments include seat cushions, tarpaulins, rifle clips, fire extinguisher brackets, etc.

## Tools

The term 'tools', in the case of both "A" and "B" vehicles, includes items designed for clearing minor obstacles, for towing, for changing tires, and for doing emergency running repairs. In AFVs, armament tools and ancillaries are grouped under a separate heading.

## "A" Vehicle Tool Lists

In the case of "A" vehicles, all fitments and tools are listed in official tables, which are published by PP & H, Chilwell, under direction of War Office, (WSS). Units in UK obtain them by indenting on AFG 997 through normal channels to Commandant, COD, Chilwell. Units in operational theatres submit indents to Advance or Base Ordnance Depots. A list of the Chilwell tool tables applying to "A" vehicles held by the Canadian Army follows :

Name of "A" Vehicle	Chilwell Tool Table No.
Tank, cruiser (M4A2 & M4A4) ... ..	51
Tank OP, (M4A2 & M4A4) ... ..	51
Tank OP, (Ram II) ... ..	97
Tank, Recovery, (M4A4) ... ..	55
Tank, Bridge Laying (Valentine) ... ..	89
Tank, Light (M3A3) ... ..	69
25-Pr SP Tracked ... ..	107
3-IN M10 SP Tracked ... ..	51
17-Pr (Sherman VC) ... ..	155
Carrier, Universal ... ..	54
Carrier, Universal T16 ... ..	56
Armd Car (Staghound) ... ..	26
Armd Car (Humber) ... ..	24
Armd Car (Daimler) ... ..	15
Scout Car (Lynx II) ... ..	190
Scout Car (Humber) ... ..	18
Car, Light Recce (Otter) ... ..	50
Car, Light Recce (Humber) ... ..	20
ACV (Matador) ... ..	23

## "B" Vehicle Tool Lists

In the case of "B" vehicles of Canadian or U.S. manufacture, fitments and tools are listed in official tables, known as Vehicle Kit Lists. These lists are printed in pamphlet form and are obtained by indenting on requisition form CMHQ 1000 : 51 through normal channels to No. 1 P & S Detachment RCASC, CMHQ. (Lists covering Brit built "B" vehicles are obtained by indent on AFG 997 to Chilwell.)



Above photo shows the standard method of laying out "B" vehicle tools for inspection. This layout applies to most Canadian Military Pattern vehicles. (Authorized by ORO 2496.)

Separate kit lists are issued for each type of vehicle. These kit lists are sub-divided into, List "A"—Vehicle Fitments, and List "B"—Tools & Equipment.

Items under each list are generally as indicated above. (A full coverage of pamphlets is not available at date of publication, but more are being printed. A partial list is given below.)

Name of "B" Vehicle	Tool List No.
Motorcycle (Norton) ... ..	Pubs 122/1
Motorcycle (Matchless) ... ..	Pubs 122/1
Car, 5-cwt, (Willys) ... ..	Pubs 122/2
Car, 5-cwt, (Ford) ... ..	Pubs 122/2
Truck HU, (GMC) ... ..	Pubs 122/4
Truck, 15 cwt, 4 x 4 ... ..	Pubs 122/5
Lorry, 3-ton, 4 x 4 ... ..	Pubs 122/5
Lorry, 3-ton, 6 x 4 ... ..	Pubs 122/5
Lorry, 3-ton, 6 x 6 ... ..	Pubs 122/5
Lorry, 6-ton, 6 x 6 ... ..	Pubs 122/7
Lorry, 10-ton, 6 x 4 ... ..	Pubs 122/7
Truck, 15-cwt, half track ... ..	Pubs 154
Tractor, Arty, Medium ... ..	Pubs 155

#### Machinery Lorry Equipment Lists

The special technical equipment carried by machinery lorries of Canadian manufacture is tabulated on separate lists known as "D" lists. The "D" lists are also printed in pamphlet form and obtainable on indent from No. 1 P & S Detachment, RCASC.

The above mentioned lists are obtainable for machinery lorries and trailers listed below:

Machinery Lorry	Equipment List No.
Truck, 15-cwt, Machinery KL ... ..	Pubs 140
Lorry, 3-ton, Battery Storage ... ..	Pubs 142
Lorry, 3-ton, Mach D-1 ... ..	Pubs 124
Lorry, 3-ton, Mach I ... ..	Pubs 132
Lorry, 3-ton, Mach I-30 ... ..	Pubs 127
Lorry, 3-ton, Mach J ... ..	Pubs 150

Machinery Lorry	Equipment List No.
Lorry, 3-ton, 6-wh, Mach A ... ..	Pubs 126
Lorry, 3-ton, 6-wh, Mach B ... ..	Pubs 125
Lorry, 3-ton, 6-wh, Mach F ... ..	Pubs 136
Lorry, 3-ton, 6-wh, Mach Z ... ..	Pubs 141
Lorry, 3-ton, 6-wh, RE 7½ KW ... ..	Pubs 135
Lorry, 4-ton, 6-wh, Mach H ... ..	Pubs 145
Lorry, 4-ton, 6-wh, Mach M ... ..	Pubs 123
Lorry, 4-ton, 6-wh, RE 25 KW ... ..	Pubs 144
Trailers, Gas Welding ... ..	Pubs 146
Trailers, Wksp Servicing ... ..	Pubs 147
Trailers, Generators, 9 KW ... ..	Pubs 137
Trailer, Generator, 22 KW ... ..	Pubs 134
Trailer, 4-wh, Grind & Brake ... ..	Pubs 138
Trailer, 4-wh, 60-ton Press ... ..	Pubs 133

#### Typical Basic Kit List

In order to indicate the type of items supplied with "B" vehicles, a list of equipment supplied with Canadian built 15-cwts, 3-ton 4 x 4's and 3-ton, 6 x 6's is printed herewith. It should be noted that the original "B" vehicle kit lists in addition to the names of the items, give also the vocabulary section and part number where available. The kit lists also provide blank spaces for monthly equipment checks, and for amendments to the lists.

#### Procedure in Regard to Deficiencies

A monthly check of vehicle tools and equipment is required by the provisions of ORO 3230. Indents are then submitted for deficiencies. The foregoing ORO also specifies that vehicles will be issued as complete as possible with tools and equipment.

In the event of any unavoidable deficiencies, a statement of same is issued with the vehicle, and unit immediately demands for same through normal channels.

The submission of deficiency lists for "A" and "B" vehicle stores by mobilizing units is covered by ORO 4294. The foregoing order distinguishes between AFG 1098 stores and "A" and "B" vehicle kits, and lays down the channels through which deficiency lists will be submitted.

Procedure in regard to deficiencies when a vehicle is struck off a unit's charge, either on evacuation to 3rd or 4th echelon workshops or transfer to another unit, is covered in ORO 4980.

## ADDITIONAL DETAILS BASIC KIT LIST

### Variations in items issued and special items

When vehicles are issued every effort is made to equip them with the full basic kit as detailed on succeeding page. In some cases difficulties of supply prevent a 100 per cent fulfillment of the list but in such cases, other tools that will do the job are issued in lieu.

There are certain variations from the list, as follows: Pump, tire, foot-operated, is issued only with 15-cwt vehicles and under. For other larger vehicles the hose, tire pump, is issued. Either copper or steel wire, may be issued. Supply difficulties necessitate that only one adjustable wrench be issued at present.

In addition to items shown on the succeeding page there are certain items issued with Ford vehicles only, and other items, issued with GMC vehicles only. Vehicles fitted with winch, also are issued with certain extra equipment. The variations are as listed hereunder:

#### Issued With Ford Only

Bucket, water canvas	1
Handle, rear wheel bearing nut wrench	1
Wrench, rear wheel bearing nut	1
Wrench, hub retaining nut	1
Wrench, spark plug	1

#### Issued With Chev Only

Wrench, cylinder head bolt	1
Wrench, spark plug	1

#### Extra Equipment For Vehicles With Winch

Anchor assy, holdfast, (w/8 spikes) No. 1	
Mk II	2
Block, pulley snatch, 16"	1
Hammer, sledge, 10 lbs DHT, handled	1
Hawsers, scotch	2
Scotches, lorry, steel Mk II	2
Shackle with pin	1

## MT DRIVERS' REGULATIONS

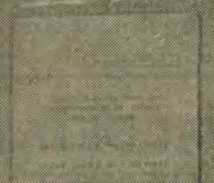
Pamphlet MT Drivers' Regulations (Pubs 18) which is issued to all drivers, contains regulations regarding the use of mechanical transport, particularly stating the duties and responsibilities of drivers for the care, maintenance, and preservation of their vehicles.

# PUBLICATIONS COVERING

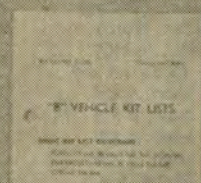
“ B ”

# B

# VEHICLES



**WATER-  
PROOFING  
INSTRS**



**VEHICLE  
KIT LIST**



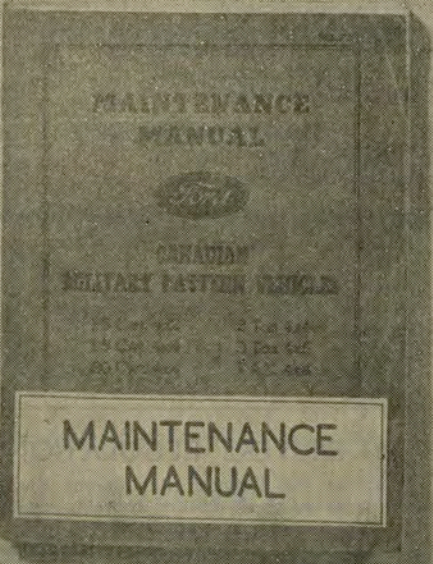
**ARMY BOOK  
412**



**MT  
DRIVERS'  
REGS**



**DRIVERS'  
HANDBOOK**



**MAINTENANCE  
MANUAL**



**SPARE PARTS LIST**

# TYPICAL "B" VEHICLE BASIC KIT LIST

(Covering 15-cwt, 30-cwt, 3-ton 4 x 4, 3-ton 6 x 6, Ford or GMC)

List "A"—Vehicle Fitments	Qty	List "B"—Continued	Qty
Blocks, rifle No. 3 ... ..	2	Chisel, cold ... ..	1
Bracket, fire extinguisher ... ..	1	Crank, starting, Chev GMC models & Ford	
Bracket, mirror rear view ... ..	2	"Universal" ... ..	1
Cleaner, air (Ford) ... ..	1	Handle, Ford, 1st type ... ..	1
Cleaner, air (Chevrolet) ... ..	1	Extension, Ford, 1st type ... ..	1
Clips, rifle ... ..	2	File, ½ round 10" ... ..	1
Container, curtains 1st type cab ... ..	1	Cutters, wire folding ... ..	1
Cover, rad grill (Universal) ... ..	1	Funnel, oil & petrol ... ..	1
Cover, rad grill 1st type cab ... ..	1	Gauge, tire pressure ... ..	1
Cover, pneumatic, (if supplied) ... ..	1	Gun, grease ... ..	1
Covers, waterproof 15 cwt van ... ..	1	Hammer, ball pein 1½ lb ... ..	1
15 cwt GS ... ..	1	Handbook instructional ... ..	1
3 ton, 134 WB ... ..	1	Handbook spare parts ... ..	1
3 ton, 158 WB ... ..	1	Handle, file ... ..	1
Cushion, seat assy ... ..	2	Injector, oil ... ..	1
Cushion, seat back assy ... ..	2	Jack assy compt w/handle (15 cwt) ... ..	1
Curtain assy, door RH Universal ... ..	1	(30 cwt & up) ... ..	1
RH 1st type cab ... ..	1	Lamp, inspection ... ..	1
LH Universal ... ..	1	Matchet ... ..	1
LH 1st type cab ... ..	1	Matchet sheath ... ..	1
Disc, bridge sign ... ..	1	Pliers, comb 6" ... ..	1
Extinguisher, fire ... ..	1	Plug, sparking 14 mm (spare Chev) ... ..	2
Mirror, rear view ... ..	2	14 mm (spare Ford) ... ..	2
Padlocks with keys ... ..	AR	Pourer, petrol ... ..	1
Road wheel spare (if supplied) ... ..	1	Pump, tire foot operated ... ..	1
Rod, curtain front, 1st type cab ... ..	2	Punch ... ..	1
Rod, curtain rear, 1st type cab ... ..	2	Rope towing complete ... ..	1
Tube, inner (if supplied) ... ..	1	Screwdriver 5" ... ..	1
List "B"—Tools & Eqpt	Qty	Screwdriver 8" ... ..	1
Axes pick, head ... ..	1	Shovel GS ... ..	AR
Axes pick, helve ... ..	1	Spanner, double end 3/8x5/16 SAE ... ..	1
Bar, tommy No. 4 ... ..	1	7/16x1/2 SAE ... ..	1
Box, bulbs spare ... ..	1	5/8x9/16 SAE ... ..	1
Box, metal tool ... ..	1	19/32x11/16 SAE ... ..	1
Box, spark plug (spares) ... ..	1	5/8x3/4 SAE ... ..	1
Brush, engine cleaning ... ..	1	3/4x15/16 SAE ... ..	1
Bulb, headlamp (spare) ... ..	1	Tape insulating ¼ lb roll ... ..	1
Bulb, inst & parking lamp (spare) ... ..	1	Tensioner, chain (if supplied) ... ..	1
Bulb, inspection lamp (spare) ... ..	1	Tools, tire, wheel stud nut, spanner box,	
Bulb, tail lamp (spare) ... ..	1	with tommy bar ... ..	1
Bulb, beam indicator ... ..	1	Vehicle log book ... ..	1
Can, oil lubricating ... ..	1	Wire, soft steel 1/8 lb ... ..	1
Cans, petrol 2 gal ... ..	AR	Wrench, adjustable 8" ... ..	1
Cans, oil 1 gal ... ..	AR	Wrench, adjustable 12" ... ..	1
Chains, non-skid 9.00x16 ... ..	AR		
10.50x16 ... ..	AR		
10.50x20 ... ..	AR		

The above does not include certain items peculiar to GMC or Ford.

# REGULATIONS FOR MOVEMENT OF VEHICLES BY ROAD AND RAIL

## Standing orders for moves of formations and units and points to be covered in unit move orders

In operational conditions, the movement of mechanical vehicles is largely by road. To ensure uniformity of procedure these movements are governed by standing orders, which are explained in FSPB, Part I—Pamphlet No. 9 (qv).

A summary of the points that should be covered in formation and unit *standing orders* for moves is given below :

### Standing Orders

- (a) Composition of tactical groups
- (b) Duties of officers responsible for marshalling groups
- (c) Normal speed by day and by night
- (d) Normal density by day and by night
- (e) Use of blue and green convoy lights and flags
- (f) Duties of officers and NCO's on motor cycles controlling a convoy en-route and at halts
- (g) Procedure at stoppages and halts
- (h) Protection en-route and at halts
- (i) Action in event of attack by enemy air-force, by parachute troops, or by land forces
- (j) Methods of marking route by day and by night
- (k) Lighting restrictions
- (l) Marking of vehicles in accordance with load classification
- (m) Action in case of breakdown or damage through enemy action
- (n) Orders to be given to drivers
- (o) Duties of man seated beside driver
- (p) Standard procedure for embussing and debussing
- (q) Standing administrative instructions, spare petrol and oil tins, accident reports, work tickets, etc
- (r) Composition and duties of sector controls
- (s) Composition and duties of regulating HQ
- (t) Duties of unit personnel trained in TC duties
- (u) Signal and wireless arrangements for TC
- (v) Speed and spacing to be observed over bridges
- (w) Use of camouflage nets

The promulgation of above mentioned standing orders reduces to a minimum the detail that must be published in an executive move order.

There are however a number of matters that are governed by circumstances, which should be detailed in the *unit move order*. These points are listed below :

### Unit Move Orders

- (a) Routes
- (b) Start Point
- (c) Starting time
- (d) Dispersal Point
- (e) Speed
- (f) Density
- (g) Halts
- (h) Embussing and debussing
- (i) TC arrangements
- (j) Lighting restrictions
- (k) Protection
- (l) Intercommunication
- (m) Recovery

(Attention is drawn to the further detail regarding march discipline, signal drill, troop transport, river crossing, etc., that is given in the above mentioned Pamphlet No. 9 Chapter I).

The broader aspects of movement regulation such as formation orders, march tables, staging and bivouacking, control of road movement, sector controls, traffic posts and controls and also important matters regarding rail movements are covered in FSPB Pamphlet No. 5, Part II (qv).

### Planning and Control of Moves

A recent War Office publication entitled "Mechanized Movement by Road" (Military Training Pamphlet No. 47) gives an outline of staff considerations required in the planning of moves. The pamphlet gives details of traffic control organization, equipment, sign posting, etc. Chapter 9 of the a/m pamphlet gives details of river crossings, allocation of responsibilities, etc. Attention is drawn to the various appendices which give details for inclusion in standing orders, specimen movement tables, graphs showing times of vehicles past a point, etc.



Above photograph shows a convoy halted, with vehicles in "closed-up" spacing, along right hand verge. This in line with the "Drive-on-the-right" rule of the road, now used by the armies on the continent, and promulgated in 21 Army Group orders. In accordance with standing orders, co-drivers are out across the road ready to pass orders or regulate other traffic.

The above is a non-operational convoy as steel helmets, respirators, small-arms are not carried.



Above photograph shows a Bren carrier convoy closed up for the purpose of passing orders. Vehicles are fully stowed and troops are in full battle order.

## VEHICLE WATERPROOFING

*Official pamphlets describing technique and beach recovery methods*

The development of combined operations, which require, in the assault stage, the rapid landing of urgently needed MT on open beaches, has necessitated the development of a technique for the waterproofing of equipment and the recovery of vehicles from water and the beaches.

In the descriptions of individual vehicles throughout this book, there has been appended in each case, the identification number of the official publication which details the waterproofing of that vehicle.

Further details in regard to this aspect of combined operations are contained in pamphlets (qv), issued by the War Office, as noted below:

**Pamphlet No. 41 (C)**—Waterproofing procedure, waterproofing materials for "A" vehicles, waterproofing materials for "B" vehicles, waterproofing materials for miscellaneous equipments. This pamphlet lists the numbers of Chilwell Waterproofing Handbooks for "A" Vehicles.

**Pamphlet No. 41 (A)**—Beach recovery section, division of responsibility, beach recovery procedure, training.

**Pamphlet No. 33**—Section 4 deals with AFVs, preparation of tanks and personnel, maintenance action on landing, wireless and slave batteries.

**Pamphlet No. 35 (C)**—Deals mainly with RE transportation units with considerable information given regarding MT and AFV in the holds of ships and the unloading of same. Appendix "E" of this pamphlet lists standard MT cargo handling gear.

## NEW WATERPROOFING INSTRUCTIONS

A new series of waterproofing instrs is now in preparation by the War Office. Those now available are listed in this book. New instrs will be issued when available to replace "AC" Series instrs and those listed as not available. These provide for 5-foot wading with an 18-inch wave.

## VEHICLE TONNAGE RATINGS

*Load ratings of military vehicles are based on payload capacity*

The load (or tonnage) rating of a Canadian Military vehicle is the weight of the payload which it can safely carry.

In addition to the payload, the vehicle is designed so that it also carries the weight of driver and driver's mate with full kit, plus standard vehicle tools and equipment, and full tanks of petrol, oil and water.

### Ratings in Long Tons

The load ratings are in long tons of 2240 pounds, which is also the standard practice carried out with British vehicles manufactured in UK. This differs from the vehicle ratings of the U.S. army which are in short tons of 2000 lbs.

### Driving Wheels Do Not Affect Rating

The load rating is not affected by the number of driving wheels. Thus a 4 x 2 or 4 x 4 truck of 15-cwt capacity will carry the same quantity of supplies, and either a 3-ton 4 x 4 or a 3-ton 6 x 6 stores lorry can transport the same weight of stores.

### Trailer Load Ratings

Cargo carrying trailers are rated according to their load carrying capacity in the same way as vehicles. Technical trailers with fixed equipment are rated for the load the trailer could carry if it were fitted with a GS body.

### Loads of Technical Vehicles

Technical vehicles, such as dental, signals and machinery lorries, cannot carry payload in addition to technical equipment and crew. Such vehicles are given their tonnage ratings corresponding to the equivalent load carrier chassis on which the bodies with special equipment are installed.

# LUBRICANTS USED FOR "A" VEHICLES

## Lubrication charts and standard specifications

The lubricants used on "A" vehicles are, in general, similar in specification to those used on "B" vehicles, with the exception of special lubricants used on guns, such as oil, graphited concentrate. The points to be lubricated are numerous and vary with the different vehicles. A condensed version of universal carrier lubrication specifications is given hereunder.

In the case of AFV's of Canadian manufacture (and some U.S. built) lubrication guides, designed for gumming in AB 413, are available as listed hereunder:

- Scout car lubrication chart
- Armoured car lubrication chart
- Carrier lubrication chart
- Tank lubrication chart
- SP mount lubrication chart

For other AFV's (and also the above) the correct specifications will be found listed in the maintenance manuals applying to the vehicles. The information is either incorporated in text pages under the heading of "Lubrication Instructions" or in the form of a separate lubrication chart.

### Lubrication Standardization

The difference in lubrication nomenclature that formerly obtained between the British and U.S. armies has resulted in a general agreement as to standardization and the publication of information as to equivalent grades in the British, Canadian

and U.S. land forces. The resultant listing is promulgated in ACI 1544, dated 25 November 1944, which is circulated down to companies, batteries and equivalent units.

### Universal Carrier Lubrication Condensed Table

Vehicle Part	Summer (above 32°F)	Winter (32°F to 0°F)
Engine crankcase	30 HD	10 HD
Air cleaner	30 HD	10 HD
Transmission	90 Hyp	90 Hyp
Differential	90 Hyp	90 Hyp
Steering gear	90 Hyp	90 Hyp
Bogie spindles	Grse No. 2	Grse No. 2
Sprocket bearings	Grse No. 2	Grse No. 2
Pressure points	Grse No. 2	Grse No. 2
Steering column	Grse No. 2	Grse No. 2
Brake controls	Grse No. 2	Grse No. 2

(Motorcycle and Breakdown Heavy—see following pages)

### Lubrication for Motorcycle, Solo

Vehicle Part	Summer (above 32°F)	Winter (32°F to 0°F)
Engine (oil tank)	50 HD	30 HD
Gear box	90 Hyp	90 Hyp
Wheel bearings	Grse No. 2	Grse No. 2
Rear chain	Grse No. 1	Grse No. 1
Handle bar controls and control wires	50 HD	30 HD
Fork spindles and head races	Grse No. 1	Grse No. 1
Front chain case	90 Hyp	90 Hyp
Cylinder head rockers	Grse No. 2	Grse No. 2
Valve stem guides	50 HD	30 HD

### Additional items for Tractor, Breakdown, Heavy

Vehicle Part	Summer (above 32°F)	Winter (32°F to 0°F)
Clutch pilot bearing	Grse No. 2	Grse No. 2
Brake slack adjuster	Grse No. 2	Grse No. 2
Spring trunnion spindle	50 HD	30 HD
Fan shaft bearing	Grse No. 2	Grse No. 2
Brake application valve	30 HD	10 HD

## HEAVY ENGINEER EARTH MOVING VEHICLES

The above mentioned equipments are not designed for roadability in the ordinary sense. Therefore, they are not included in this book.

Details of the above equipments are contained in Military Engineering, Vol 5, Part III, Supplement No. 1. General descriptions of their use are contained in Royal Engineers Training Memorandum No. 8 (qv for full details).

# LUBRICANTS USED ON "B" VEHICLES

Lubricants required for engine, transmission, transfer case, differentials, wheel bearings, brakes, and chassis pressure points

(Lubrication charts, per ORO 4877, should be gummed in AB 412)

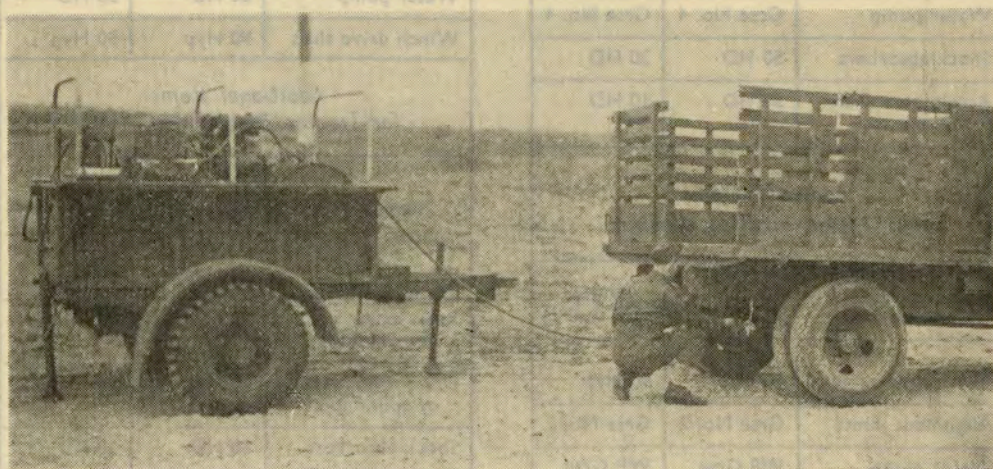
Hereunder are tabulated lubricants necessary for the following: Cars light, station wagons, all Canadian Military Pattern trucks and lorries, also cars 5-cwt, tractors breakdown medium, tractors breakdown heavy, transporter recovery 40-ton, tractor artillery medium and motorcycle solo. (Additional items necessary for U.S. vehs included in above, are given as supplementary lists.)

Vehicle Part	Summer (above 32°F)	Winter (32°F to 0°F)
Engine crankcase	30 HD	10 HD
Air cleaner	30 HD	10 HD
Transmission	90 Hyp	90 Hyp
Differential (front)	90 Hyp	90 Hyp
Differential (rear)	90 Hyp	90 Hyp
Transfer case	90 Hyp	90 Hyp
Drive shaft universal joints	90 Hyp	90 Hyp
Steering gear	90 Hyp	90 Hyp
Front axle universal joint	Grse No. 2	Grse No. 2
Wheel bearings (front and rear)	Grse No. 2	Grse No. 2
Chassis pressure points	Grse No. 2	Grse No. 1
Hydraulic brakes	Hyd br fl	Hyd br fl

Vehicle Part	Summer (above 32°F)	Winter (32°F to 0°F)
Rear spring seats	Grse No. 2	Grse No. 2
Shock absorbers (piston type)	Oil min hyd buff	Oil min hyd buff
Shock absorbers (vane type)	50 HD	30 HD
Generator	30 HD	10 HD
Starting motor	30 HD	10 HD
Distributor (grse cup type)	Grse No. 2	Grse No. 2
Distributor (oil type)	30 HD	10 HD
Distributor cam	Pet jelly	Pet jelly

### Grease points with pressure fittings

Drag link	Grse No. 2	Grse No. 1
Spring bolt	Grse No. 2	Grse No. 1
Clutch pedal	Grse No. 2	Grse No. 1
Brake pedal	Grse No. 2	Grse No. 1
Spring shackle	Grse No. 2	Grse No. 1
Brake linkage	Grse No. 2	Grse No. 1
Pintle hook	Grse No. 2	Grse No. 1



Above photo shows a workshop servicing trailer in operation, lubricating a conventional type vehicle. The operator is using the high pressure gun and hose run out from the hose reel, so that he can reach the rear spring shackle.



*Additional items for 5-cwt, 4x4*

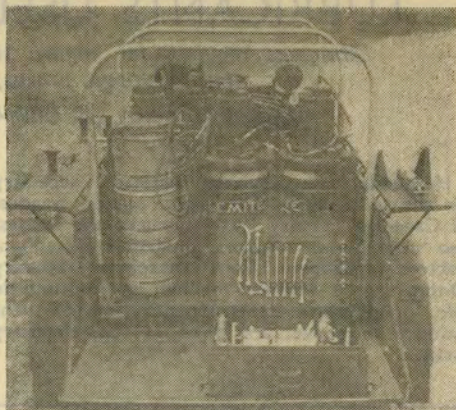
Vehicle Part	Summer (above 32°F)	Winter (32°F to 0°F)
Drive shaft spline yoke	Grse No. 2	Grse No. 2
Clutch and brake shaft	Grse No. 2	Grse No. 2
Steering knuckle bearing	Grse No. 2	Grse No. 1
Steering gear case	Grse No. 2	Grse No. 2
Tie rod	Grse No. 2	Grse No. 2
Steering connecting rod	Grse No. 2	Grse No. 2
Steering bell crank	Grse No. 2	Grse No. 2

*Additional items for Tractor, Breakdown, Medium*

Vehicle Part	Summer (above 32°F)	Winter (32°F to 0°F)
Rear axle rocker beam	90 Hyp	90 Hyp
Slip joints	90 Hyp	90 Hyp
Gear case (winch)	90 Hyp	90 Hyp
Winch clutch	Grse No. 1	Grse No. 1
Winch drive spindle	Grse No. 1	Grse No. 1
Tachometer adapter	Grse No. 1	Grse No. 1
Water pump	Grse No. 4	Grse No. 4
Shock absorbers	50 HD	30 HD
Accelerator shaft throttle rod	30 HD	10 HD

*Additional items for Tractor, Artillery, Medium*

Vehicle Part	Summer (above 32°F)	Winter (32°F to 0°F)
Winch (worm gear)	90 Hyp	90 Hyp
Alignment joints	Grse No. 2	Grse No. 2
Water pump	WP Grse	WP Grse
Rotary pump	10 HD	10 HD



Above photo shows rear view of workshop servicing trailer, with tarpaulin removed. Left to right, grease pail rack, pressure pumps, grease gun set on tail board.

*Additional items for Transporter, Recovery, 40-ton*

Vehicle Part	Summer (above 32°F)	Winter (32°F to 0°F)
Fuel injector	30 HD	10 HD
Auxiliary Transmission control	90 Hyp	90 Hyp
Gear case winch	90 Hyp	90 Hyp
Grease fittings (winch)	Grse No. 1	Grse No. 1
Cable rollers	90 Hyp	90 Hyp
Tachometer Drive	Grse No. 1	Grse No. 1
Rear pintle hook	90 Hyp	90 Hyp
Water pump	30 HD	30 HD
Winch drive shaft	90 Hyp	90 Hyp

*Additional items for Tractor, Breakdown, Heavy*

Vehicle Part	Summer (above 32°F)	Winter (32°F to 0°F)
Winch	90 Hyp	90 Hyp
Rear axles and compensator	90 Hyp	90 Hyp
Drive shaft slip or spline joint	90 Hyp	90 Hyp
Shock absorbers	50 HD	30 HD
Clutch release bearing	Grse No. 2	Grse No. 2

# ABBREVIATIONS USED IN THIS BOOK

In addition to authorized military abbreviations some other abbreviations commonly found in technical manuals are included in the tabulation below

Full title	Abbreviation	Full Title	Abbreviation
Advance, or, Advanced	adv	Field	fd
Air Defence Ground Based	ADGB	Field artillery tractor	FAT
Alternating current	ac	Folding boat equipment	FBE
Ammunition	amn	Foot, or, feet	ft
Ampere	amp	Formation	fmn
Anti-aircraft	AA	Forward	fwd
Anti-aircraft Operations Room	AAOR	Four Wheel Drive	FWD
Anti-tank	A tk		
Armoured	armd	Gallon	gal
Armoured command vehicle	ACV	General Motors Corporation	GMC
Armoured fighting vehicle	AFV	General service	GS
Army Engineering Design Branch	AEDB	General Staff	G Staff
Artillery	arty	Gun position officer	GPO
Associated Equipment Company	AEC	Ground location	GL
Average	avge		
Audio frequency	AF		
Battalion	bn	Headquarters	HQ
Battery	bty	Heavy Anti-Aircraft	HAA
Brake horse power	bhp	Heavy duty	HD
Brigade	bde	Heavy utility	HU
British	Brit	High power	HP
Bullet proof	bp	Howitzer	how
Cab over engine	COE		
Calibre	cal	Inch	in
Camouflage	cam	Independent	indep
Canadian	Cdn	Infantry	inf
Canadian Armoured Corps	CAC	Information	infm
Canadian Central Ordnance Depot	CCOD	Instruction	instr
Canadian Dental Corps	CDC		
Canadian Reinforcement Unit	CRU		
Casualty Clearing Station	CCS		
Caterpillar	CAT	Kilovolt amperes	kva
Chemical Warfare	CW	Kilowatt	kw
Chief Signals Officer	CSO		
Command or commander	comd		
Communication	comn		
Company	coy		
Completely knocked down	CKD		
Compression ignition	CI		
Constant potential	CP	Light Aid Detachment	LAD
Cycle	cyc	Light Anti-Aircraft	LAA
Cylinder	cyl	Light machine gun	LMG
Cubic feet	cu ft	Line, or, lines of communication	L of C
Cubic feet per minute	cfm	Low power	LP
Degree	deg	Machine gun	MG
Despatch rider	DR	Mark	mk
Direct current	dc	Maximum	max
Direction finding	DF	Miles in the hour	mih
Division	div	Miles in 2 hours	mi2h
		Miles per gallon	mpg
		Miles per hour	mph
		Military training pamphlet	MTP
Electrical and Mechanical Sections	E & M Secs	Millimetres	mm
Equipment	eqpt	Minimum	min

Full Title	Abbreviation	Full Title	Abbreviation
Minute	min	Tactical	tac
Mobile, or, mobilization	mob	Technical manual	TM
Motor, or, motorized	mot	Terminal equipment vehicle	TEV
Motor Ambulance Convoy	MAC	Transport	tpt
Motor Transport	MT	Troop	tp
Movement Control	MC	Troop carrying vehicle	TCV
Non-commissioned officer	NCO	United Kingdom	UK
Not applicable, or, not available	na	United States	U.S.
Number	No.	Vehicle	veh
Observation post	OP	Vehicles to the mile	vtm
Officer	offr	Vocabulary Army Ordnance Stores	VAOS
Officer Commanding	OC	Wheel	wh
Operator or operation	op	Wheel base	wb
Ordnance	ord	Wireless	wrls
Ordnance Engineering Regulation	OER	Wireless telegraphy	WT
Overseas Routine Order	ORO	Workshop	wksp
Pamphlet	pamph	<b>CONVERSION TABLE</b>	
Park	pk	<b>Weights and Measures</b>	
Petrol	pet	<b>Liquid Measure</b>	
Petrol, oil, lubricants	POL	1 Imperial gallon	= 277.27 cu inches
Petrol, oil, water	POW	1 U.S. gallon	= 231.00 cu inches
Platoon	pl	1 Imperial gallon	= 1.20 U.S. gals
Pounder	pr	1 (Imp) gallon water weighs	= 10.01 pounds
Pounds	lbs	1 (Imp) gallon petrol weighs	= 6.90 pounds
Pounds per square inch	psi	1 (Imp) gallon oil weighs	= 7.92 pounds
Power control unit	pcu	<b>Commercial Weight</b>	
Publications	pubs	1 long ton (Imperial)	= 2240 pounds
Quarts	qts	1 short ton (U.S.)	= 2000 pounds
Radiator	rad	1 shipping ton (cargo measure)	= 40 cubic feet
Radio telephony	RT	1 hundredweight (cwt)	= 112 pounds
Reconnaissance	recce	1 quarter	= 28 pounds
Recovery, or, recovered	rec	1 stone	= 14 pounds
Royal Air Force	RAF	<b>Metric Conversion</b>	
Royal Canadian Army Medical Corps	RCAMC	1 Millimetre	= .03937 inches
Royal Canadian Army Service Corps	RCASC	20 mm (gun calibre)	= .78740 inches
Royal Canadian Artillery	RCA	37 mm (gun calibre)	= 1.45669 inches
Royal Canadian Engineers	RCE	40 mm (gun calibre)	= 1.57481 inches
Royal Canadian Electrical & Mechanical Engineers	RCEME	1 metre	= 3.2809 feet
Royal Canadian Ordnance Corps	RCOC	1 kilometre	= 0.6214 miles
Royal Canadian Signals	RC Sigs	1 litre	= 0.220 gallons
Royal Engineers	RE	1 kilogram	= 2.2046 pounds
Regiment, or, regimental	regt		
Section, or, second	sec		
Self-propelled	SP		
Squadron	sqn		
Square feet	sq ft		
Staff officer	SO		
Standard nomenclature list	SNL		
Sub machine gun	sub mg		

