

FV 13101 Truck, Cargo, Dropside, 4T, GS, 4x4, Bedford RL

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This page details the Characteristics of the FV 13101 Truck, Cargo, Dropside, 4T, GS, 4x4, Bedford RL. The vehicle is:

"A 4 wheel drive adaptation of the 7 tonne commercial chassis which has been modified to meet service requirements for a 4 tonne vehicle. The body is designed for the carriage of personnel in addition to general cargo. Body sides and tailboard can be dropped or removed."

British Military Vehicles 1971

Seating. Wooden sets may be fitted to facilitate the carriage of personnel. They are arranged along the sides of the cargo bed, the troops sitting inwards facing, a characteristic which was modified on the M Series in light of operational experience.

Cupola A Cupola is fitted to the cab roof allowing a soldier to be posted as an air sentry. No provision is made for weapons to be fitted to this position.

Cargo Area Cover A series of hoops is provided to support the canvas tarpaulin cover for the cargo area. The height of the tarpaulin may be varied to two positions - the hoops are lowered to their low setting for air transportation. Stowage is provided for both tarpaulin and superstructure when not in use.

Manufacturer Chassis Vauxhall Motors Ltd, Luton, Beds Body Marshals of Cambridge

FV Number

Whole Equipment FV13112 Chassis FV9103 Body & Equipment

FV9629 Dimensions Length 6360mm/250" Height 3110mm/122.5" Width 2390mm/94" Wheelbase 3962mm/156" Track - Fr

1854mm/73" Track - Rear

1854mm/73" Deck Length

Deck Width

Deck Height

Weights GVW 8800kg/19500lb FAW 3700kg/8064lb RAW 5300kg/11630lb Unladen Weight

4500kg/9912lb Angles Approach Departure Breakover Performance Speed 75Km/h, 46.5mph

Range 400km, 250 miles

Side Slope

Gradient >33% (1 in 3)

Stop /Restart Solo >33% (1 in 3)

Stop/Restart Towing

Turning Circle 18.3m/60ft Verticle Step

Gross Power/Weight Ratio

11.1kW/t, 14.9bhp/ton

Max Tractive Effort Low Gear

6410 N/t, 1470 lbf/T Max Trailer Weight - Braked

Max Trailer Weight - Unbraked Engine Manufacturer Bedford Type Bedford 300 cu in

Displacement 4.93 litres

Gross Power

96.8kW/130bhp@3200rpm Nett Torque

303Nm @ 1200rpm Speed Limiter?

Yes Speed Limited to

3200 rpm Ignition Type

Coil, 12v Lubrication Wet Sump

Engine Cooling

Pressurised Fuel System

Type Lift Pump

Pump Manufacturer

Air Cleaner

Oil Bath

Fuel Petrol Fuel Capacity

118 Litres/26 Gal

Gearbox Manufacturer Type 4 speed synchromesh and reverse

Ratios 1st 2nd 3rd 4th 5th Electrical Generator

Manufacturer Capacity12 Volt, 297 Watt (max) Batteries Capacity12 Volt, 80 amp/h Suppression
FVRDE Spec 2051, App D1, Sched B
Clutch Manufacturer Type Single Dry Plate
Propeller Shafts
Manufacturer Hardy Spicer
Transfer Box
Manufacturer Type2 Speed Transfer Box Ratios
1:1, 1:2 Axles Manufacturer Type Fully Floating
Ratios - Top
6.8:1 Ratios - Bottom
96.1:1 DifferentialsTwo Front
Centre
Rear
Differentials Manufacturer Front
Centre Rear Suspension FrontSemi-Elliptical RearSemi-Elliptical Shock Absorbers
Manufacturer
FrontDouble Acting Telescopic Centre
RearDouble Acting Telescopic
Brakes Manufacturer Actuation - Foot
Hydraulic Actuation - Hand
Manual on Rear Wheels only Front Centre Rear Hand Trailer Air Pressure
Warning Device
Gauge SteeringSemi Irreversible worm and sector Wheels
3 Piece Disc
Tyres Manufacturer Dimensions 11.00x20 Cross Country
Onboard Tyre Compressor?
Yes Compressor Capacity (Psi)
Towing Attachments Front Towing Eye Rear Hook WinchManufacturer
Type Rope Length
Capacity Crane
Manufacturer
Type Reach Capacity Capacities Engine Oil
Gearbox Oil
Transfer Box Oil
Fuel Coolant Screenwash Support Publication:
EMER