

TRUCK, SURVEILLANCE, LIGHTWEIGHT, WINCH, MC2 – LAND ROVER 110 4X4

DATA SUMMARY

This instruction is authorised for use by command of the Chief of Army. It provides direction, mandatory controls and procedures for the operation, maintenance and support of equipment. Personnel are to carry out any action required by this instruction in accordance with EMEI General A 001.

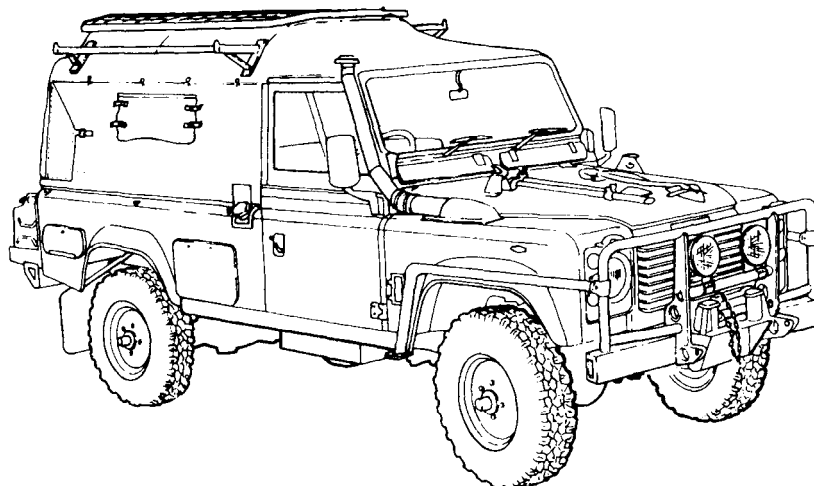


Figure 1 Truck, Surveillance, Lightweight, Winch, MC2 – Land Rover 110 4x4

General

1. This EMEI lists basic data for the Truck, Surveillance, Lightweight, Winch, MC2 – Land Rover 110 4x4, as shown in Figure 1. Information applicable to the Land Rover cab/chassis is contained in EMEI Vehicle G 100 Truck, Utility, Lightweight and Truck, Utility, Lightweight, Winch, MC2 – Land Rover 110 4x4 – Data Summary.

Role

2. Its role is to transport up to three personnel (including the driver) and surveillance equipment.

Physical Data

3. Mass

a. Unladen:

(1) Front Axle	1 369 kg
(2) Rear Axle	960 kg
(3) Total	2 329 kg

b. Maximum Loading:

(1) Front Axle	1 500 kg
(2) Rear Axle	2 100 kg
(3) Total	3 600 kg

4. Dimensions

a. Length 4 950 mm

b. Overall Width:

(1) Over Mirrors	2 058 mm
(2) Reduced	1 880 mm

UNCONTROLLED IF PRINTED

- c. Overall Height:
 - (1) Laden..... 2 200 mm
 - (2) Unladen..... 2 300 mm
- d. Reducible Height:
 - (1) Laden..... 1 500 mm
 - (2) Unladen..... 1 600 mm
- e. Shipping cubage 14 m³
- f. Cargo Tray:
 - (1) Length – Internal 1 835 mm
 - (2) Width – Internal 1 440 mm
 - (3) Height of Body Sides (from tray) 265 mm
 - (4) Height of Cargo Tray from Ground:
 - (a) Laden 770 mm
 - (b) Unladen..... 870 mm
- g. Wheelbase 2 794 mm
- h. Track:
 - (1) Front..... 1 498 mm
 - (2) Rear 1 498 mm
- i. Ground clearance:
 - (1) Unladen..... 215 mm
 - (2) Limiting Feature..... rear differential housing
- j. Pintle Hook Height (unladen)..... 710 mm
- k. Fording Depth (still water) 1 000 mm

5. Steering

- a. Manufacturer Adwest
- b. Type..... power-assisted worm and roller
- c. Ratio 17.5:1
- d. Lock to Lock 3.5 turns
- e. Power Steering Pump Isuzu, gear-driven

6. Electrical System

- a. Type of System..... 12 V
- b. No. of Batteries..... two 12 V
- c. Capacity (nominal) 93 A.h
- d. SAE Cranking Current 560 A
- e. Maximum Sustained Charging Current (battery charger) 6.5 A
- f. Terminal Grounded negative

UNCONTROLLED IF PRINTED

7. Fuels and Lubricants

- a. Fuel:
 - (1) Type diesel (automotive)
 - (2) Capacity 112 litres
- b. Transfer Case with PTO:
 - (1) Type SAE Grade 40 (OMD-115)
 - (2) Capacity 5.8 litres

8. Point of Contact

National Fleet Manager (NFM)
Lt B Vehicles, CGSVSPO
DPM 7, Defence Plaza Melbourne
661 Bourke Street
MELBOURNE VIC 3000
Tel: (03) 9282 7391

9. Associated Information

- a. SIGC 2320-0109
- b. NSN..... 2320-66-128-4230
- c. RPS 02207
- d. SCES 12109
- e. ILSI ALI MM 10-29
- f. User Handbook..... 7610-66-128-5938
- g. EMEI Vehicle A 029-5 General Service B Vehicle Tyre Guide
- h. EMEI Vehicle G 100..... Data Summary
- i. EMEI Vehicle G 103..... Light Grade Repair
- j. EMEI Vehicle G 104-1 Medium Grade Repair
- k. EMEI Vehicle G 104-2 Heavy Grade Repair
- l. EMEI Vehicle G 109..... Servicing Instruction
- m. EMEI Vehicle G 132..... Technical Description
- n. EMEI Vehicle G 133..... Light Grade Repair
- o. EMEI Vehicle G 134-1 Medium and Heavy Grade Repair

UNCONTROLLED IF PRINTED

END

Distribution List: **VEH G 16.7 – Code 1** (Maint Level)
(Sponsor: CGSVSPO, Light B Vehicle Section)
(Authority: ECO CGSVSPO 120/10)