

## TRUCK, CARRYALL, LIGHTWEIGHT, PERSONNEL CARRIER, MC2 - LAND ROVER 110 4X4

### TECHNICAL DESCRIPTION

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.

#### INTRODUCTION

1. This EMEI contains the technical description of the Truck, Carryall, Lightweight, Personnel Carrier and should be read in conjunction with EMEI Vehicle G 102. All relevant weights, dimensions and performance figures are detailed in the Data Summary EMEI Vehicle G 150.

#### Associated Publications

2. Reference may be necessary to the latest issue of the following documents:
- a. [Defence Road Transport Instructions](#);
  - b. Complete Equipment Schedules (CES):
    - (1) SCES 12043 – Truck, Carryall, Lightweight, Personnel Carrier, MC2; and
    - (2) SCES 12036 – Equipment Kit – Truck, Carryall, Lightweight, Personnel Carrier, MC2;
  - c. [EMEI Vehicle A 029](#) – Servicing of B Vehicles, Trailers, Motor Cycles, Stationary Equipment, Auxiliary and Small Engines;
  - d. [EMEI Vehicle A 291-5](#) – Tyres and Tubes – Australian Defence Force Tyre Guide;
  - e. [EMEI Vehicle G 102](#) – Truck, Utility, Lightweight, MC2 – Technical Description;
  - f. [EMEI Vehicle G 103](#) – Truck, Utility, Lightweight, MC2 – Light Grade Repair;
  - g. [EMEI Vehicle G 104-1](#) – Truck, Utility, Lightweight, MC2 – Medium Grade Repair;
  - h. [EMEI Vehicle G 104-2](#) – Truck, Utility, Lightweight, MC2 – Heavy Grade Repair;
  - i. [EMEI Vehicle G 109](#) – Truck, Utility, Lightweight, MC2 – Servicing Instruction;
  - j. [EMEI Vehicle G 150](#) – Truck, Utility, Lightweight, Personnel Carrier, MC2 – Data Summary;
  - k. [EMEI Vehicle G 154](#) – Truck, Utility, Lightweight, Personnel Carrier, MC2 – Medium and Heavy Grade Repairs; and
  - l. Repair Parts Scale 02195.

#### Identification Numbers

3. The locations of identification numbers on sub-assemblies of the vehicle are detailed in Table 1.

**Table 1 Location of Identification Numbers**

Serial	Ident	Location
1	Chassis No	Right-hand side of the chassis, forward of the spring mounting turret
2	Chassis nameplate	Left-hand seat box in the cabin
3	Engine No	Left-hand side of the engine block
4	Injection pump identification	Side of the pump
5	Transmission and transfer case	Rear of the transfer case
6	Torque limiter	On the rear end of the drive plate
7	Front axle No	Adjacent to the axle breather
8	Rear axle No	Adjacent to the axle breather

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## GENERAL INFORMATION

### Body

4. The vehicle's body consists of two box sections; an engine compartment and a five-door station wagon rear section. The rear section contains two single front seats, a central bench seat and an inward facing bench in the rear.

## DETAILED TECHNICAL DESCRIPTION

### Body

5. **Front and Central Doors.** The doors are constructed in one section and utilize a steel frame with aluminium sheeting shaped and clinched to the frame. Two hinges and a door lock are fitted to the lower half, permitting the door to be opened or to be secured in the closed position. A check-strap is fitted to the door and to the firewall side brace to limit the door opening.

6. **Windows.** The doors are provided with wind-up windows (Figure 1) and a window regulator is provided to vary the height of the glass which slides in two weatherproof channels. A weatherstrip is installed in the body around the door opening. When closed the door butts against the weatherstrip effectively sealing against the body.

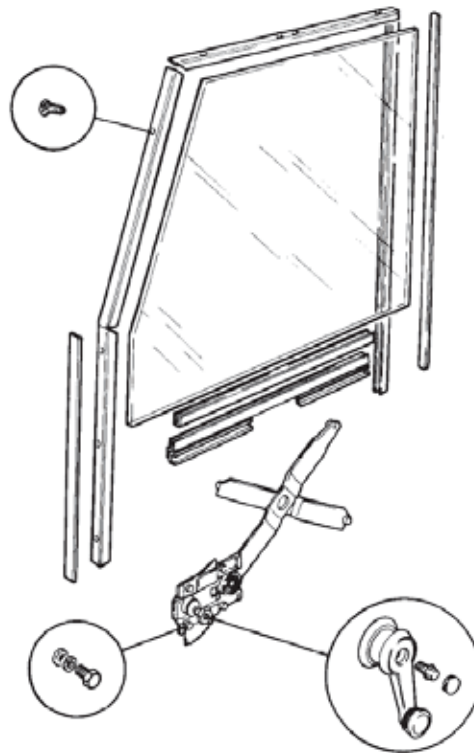


Figure 1 Front Door - Exploded View

7. **Rear Body.** The rear body (Figure 2) utilizes a steel frame and pressed aluminium panels. These panels are riveted together to form the rear lower body and the upper body including the roof. Access to the rear inward facing seats is provided by opening the one-piece steel frame door, which is hinged to the rear body and roof rear panel. The rear body is secured to the chassis by four mounting brackets and to the rear crossmember by bolts.

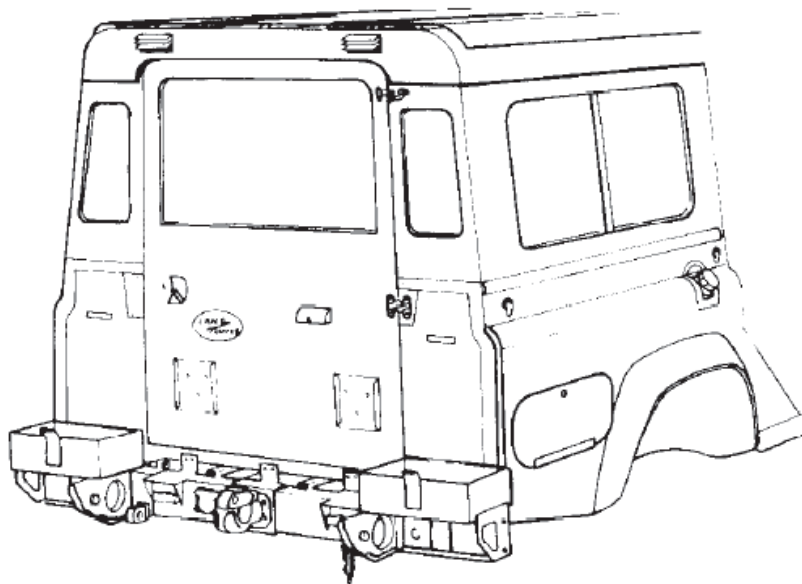


Figure 2 Rear Body

8. **Toolbox.** A toolbox (Figure 3) is incorporated on each side of the rear body and located to the rear of the wheel arch. Each tool box is equipped with a hinged lockable lid providing storage for the hydraulic jack and the vehicle's tool kit. A wheel arch trim is positioned over each wheel arch and secured to the side panels by plastic rivets.

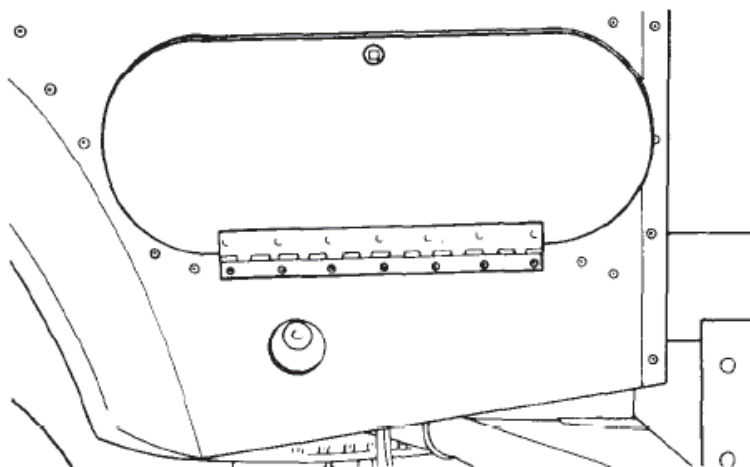


Figure 3 Tool Box and Wheel Arch Trim – Left Side

9. **Tropical Roof.** A tropical roof of fibre glass construction is attached to the roof panel by pop rivets. The design provides an insulated space between the roof panel and the tropical roof.

END

Distribution List: **VEH G 16.4 – Code 2** (Maint Level)  
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