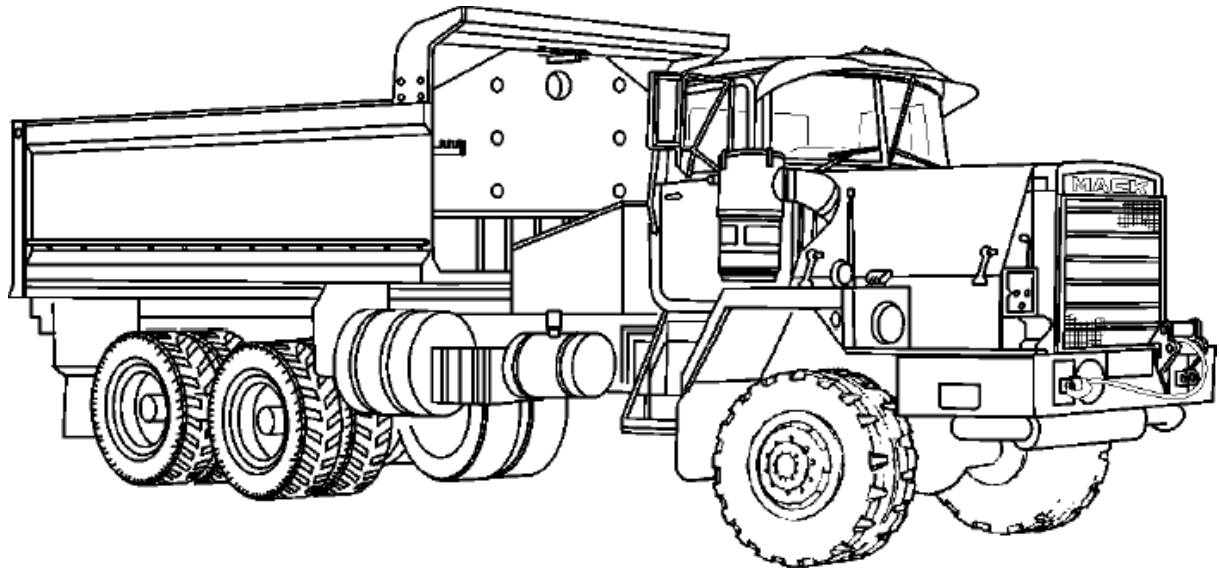


**TRUCK, DUMP, WITH WINCH, HEAVY, MC3 – MACK**  
**WITH WINCH**

**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, Dump, with Winch, Heavy, MC3 (Mack)**

**General**

1. This EMEI lists basic data for the Truck, Dump, with Winch, Heavy, MC3 (Mack) as shown in Figure 1. Information applicable to the Mack 8-tonne cab/chassis is contained in EMEI Vehicle G 700 – Truck, Cargo, Heavy, MC3 – Mack – Data Summary.

2. **Role.** The role of the equipment is to transport raw material.

3. **Description.** The Truck, Dump, with Winch, Heavy, MC3 (Mack) is a 6x6 vehicle designed to negotiate any terrain or gradient that will allow wheel traction. The vehicle incorporates a hydraulic ram to provide a dump facility.

**Detail**

4. **Dimensions:**

- a. Width..... 2 500 mm
- b. Length ..... 9 035 mm
- c. Height..... 3 075 mm
- d. Height Reducible..... 2 980 mm

UNCONTROLLED IF PRINTED

- e. Dump Body Dimensions:
  - (1) Length (overall).....4 128 mm
  - (2) Length to Hoistwell..... 3 370 mm
  - (3) Width.....2 235 mm
  - (4) Height.....900 mm
  - (5) Carrying Capacity ..... 8 m<sup>3</sup>
- f. Wheelbase .....5 465 mm
- g. Track:
  - (1) Front..... 1 911 mm
  - (2) Rear ..... 1 810 mm
- h. Ground Clearance (unladen).....318 mm
- i. Towing Pintle Height (unladen) .....930 mm
- j. Shipping Cubage:
  - (1) Overall.....69.4 m<sup>3</sup>
  - (2) Reducible .....67.3 m<sup>3</sup>
- k. Angle of Approach .....32.5 degrees
- l. Angle of Departure .....48 degrees

5. **Mass:**

- a. Unladen:
  - (1) Front Axle ..... 5 527 kg
  - (2) Rear Bogie..... 5 993 kg
  - (3) Total ..... 11 520 kg
- b. Maximum Loading (highway):
  - (1) Front Axle ..... 5 817 kg
  - (2) Rear Bogie..... 15 703 kg
  - (3) Total .....21 520 kg
- c. Maximum Loading (cross country):
  - (1) Front Axle ..... 5 757 kg
  - (2) Rear Bogie..... 13 763 kg
  - (3) Total ..... 19 520 kg

6. **Fuels and Lubricants:**

- a. Hoist Reservoir:
  - (1) Type ..... OM-65
  - (2) Capacity .....72 L

7. **Performance:**

- a. Winch:
  - (1) Manufacturer ..... Ateco (Garwood Olding)
  - (2) Type ..... 24L Horizontal Drum
  - (3) Lubricant ..... OEP-220
  - (4) Capacity ..... 2.5 litres

UNCONTROLLED IF PRINTED

- b. Winch Capacity:
  - (1) First Layer of Rope ..... 10 575 kg
  - (2) Second Layer of Rope..... 7 666 kg
  - (3) Third Layer of Rope..... 5 118 kg
- c. Winch Rope Length ..... 60 m

8. **Point of Contact:**

DMO-LAND SYSTEMS DIVISION  
CGSVSPO – Med/Hvy B Vehicles  
Defence Plaza Melbourne  
661 Bourke Street  
MELBOURNE VIC 3000  
Tel: (03) 9282 3639

9. **Associated Information:**

- a. SIGC ..... 2320-0036
- b. NSN..... 2320-66-112-8851
- c. RPS ..... 02166
- d. SCES ..... 11661
- e. User Handbook..... 7610-66-115-4731
- f. ILSI ..... ALI MM 10-8
- g. [EMEI Vehicle A 029-3](#) ..... Vehicles – General, Servicing of B Vehicles – General Instructions
- h. [EMEI Vehicle A 291-5](#) ..... Tyres and Tubes, General Service B Vehicle Tyre Guide – Operator Instructions
- i. [EMEI Vehicle G 700](#).....Truck, Cargo, Heavy, MC3 – Mack – Data Summary
- j. [EMEI Vehicle G 703](#).....Truck, Cargo, Heavy, MC3 – Mack, Including Truck, Cargo, Winch, Heavy, MC3 – Mack – Light Grade Repair
- k. [EMEI Vehicle G 703-1](#) .....Truck, Cargo, Heavy, MC3 – Mack, Including Truck, Cargo, Winch, Heavy, MC3 – Mack – Unit Repair (air spring suspension)
- l. [EMEI Vehicle G 704](#).....Truck, Cargo, Heavy, MC3 – Mack, Including Truck, Cargo, Winch, Heavy, MC3 – Mack – Medium Grade Repair
- m. [EMEI Vehicle G 704-1](#) .....Truck, Cargo, Heavy, MC3 – Mack, Including Truck, Cargo, Winch, Heavy, MC3 – Mack – Heavy Grade Repair
- n. [EMEI Vehicle G 709](#).....Truck, Cargo, Heavy, MC3 – Mack, All Variants – Servicing Instruction
- o. [EMEI Vehicle G 732](#)..... Truck, Dump, Heavy, MC3 – Mack – Technical Description
- p. [EMEI Vehicle G 733](#)..... Truck, Dump, Heavy, MC3 – Mack – Light Grade Repair
- q. [EMEI Vehicle G 734](#).....Truck, Dump, Heavy, MC3 – Mack – Medium and Heavy Grade Repair

UNCONTROLLED IF PRINTED

END

Distribution List: **VEH G 53.1 – Code 1** (Maint Level)  
(Sponsor: CGSVSPO, Med/Hvy B Vehicles)  
Authority: CGSVSPO 04/11