

TRAILER, 1/2 TON – AUST NO 5

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.

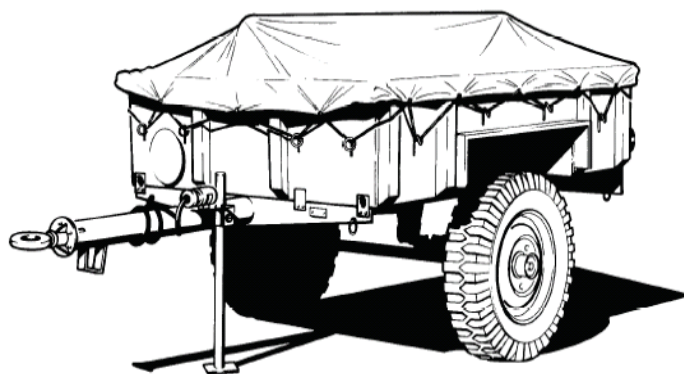


Figure 1 Trailer 1/2 Ton

General

1. This EMEI lists basic data for the trailer 1/2 ton as illustrated in Figure 1.

Role

2. The role of the 1/2 ton trailer is to transport general cargo and equipment up to 500 kg.

Description

3. The trailer is a box type, constructed of steel with a single axle. It is designed to be towed by the lightweight fleet.

Physical Data

4. Mass

- a. Unladen 360 kg
- b. Laden 860 kg

5. Dimensions

- a. Overall Length 3 180 mm
- b. Overall Width 1 550 mm
- c. Overall Height:
 - (1) Unladen 1 455 mm
 - (2) Laden 1 425 mm
- d. Track 1 320 mm

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- e. Body Internal Dimensions:
 - (1) Length 1 825 mm
 - (2) Width..... 1 320 mm
 - (3) Height..... 475 mm
 - (4) Distance Between Wheelhouses..... 970 mm
- f. Lunette Height of Level Trailer:
 - (1) Unladen 660 mm
 - (2) Laden..... 630 mm
- g. Tray Height Above Ground:
 - (1) Unladen 710 mm
 - (2) Laden..... 680 mm

6. Wheels and Tyres

- a. Rims 6F by 16 inch in accordance with EMEI Vehicle A 469-1
- b. Wheel Studs..... five 9/16 BSF on 165 mm PCD
- c. Tyre and Tyre Pressure..... in accordance with EMEI Vehicle A 291-5

7. Performance

- a. Departure Angle 21 degrees
- b. Ground Clearance..... 330 mm
- c. Overturn Angle..... 43 degrees

8. Shipping Data

- a. Shipping Cubage 7.2 cubic metres
- b. Reducible Height:
 - (1) Unladen 1 230 mm
 - (2) Laden..... 1 200 mm
- c. Airportability suitable for internal load in C130
- d. Airportability external load slung under an S-70A-9 (Blackhawk) in laden condition
- e. Position of Centre of Gravity 80 mm forward of axle centre line

9. Suspension..... semi-elliptic leaf springs

10. Electrical

- a. Lighting 12-volt
- b. Connector Plug 12-pin NATO

11. 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

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12. Associated Information

- a. SIGC 2330-0010
- b. NSN..... 2330-66-049-4263
- c. RPS 02060
- d. SCES 011502
- e. EMEI Vehicle A 291-5General Service B Vehicle Tyre Guide
- f. EMEI Vehicle A 469-1Miscellaneous Instruction 16 inch Wheel Rim Identification
- g. EMEI Vehicle H 029-7Servicing Instruction

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END

Distribution List: **VEH H 02.0 – Code 1** (Maint Level)
(Sponsor: CGSVSPO, Light B Vehicle Section)
(Authority: ECO CGSVSPO 120/10)