

TRAILER, CARGO, 1/2 TON, 2 WHEELED, AUST NO 5

DATA SUMMARY

This instruction is authorised for use by command of the Chief of the General Staff. 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 GENERAL A 001.

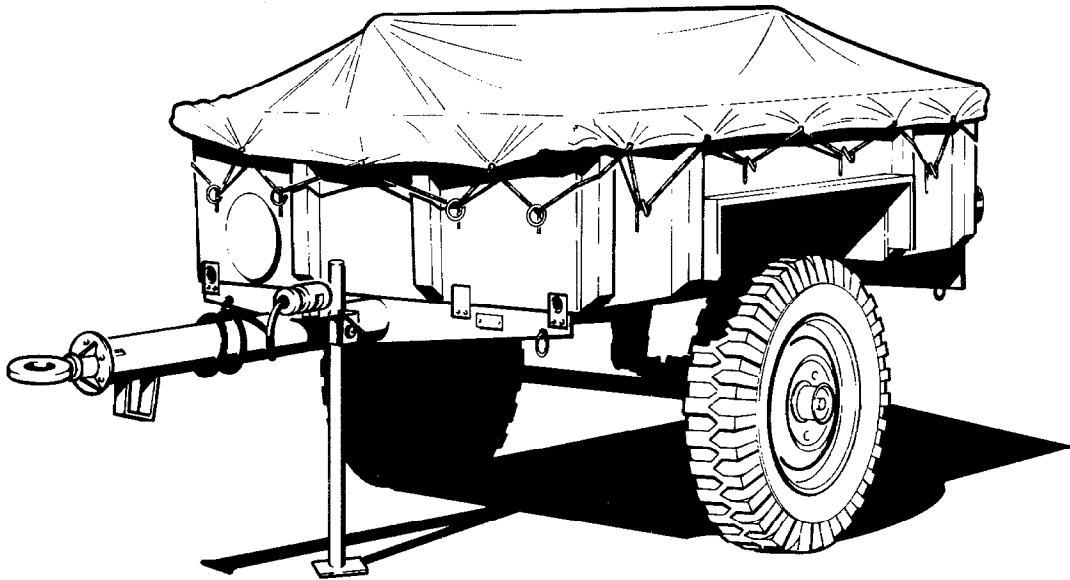


Figure 1 - 1/2 TON TRAILER

General

1. This instruction lists basic data for the trailer, 1/2 ton as shown in Figure 1.
2. **Role.** The role of the 1/2 ton trailer is to transport general cargo and equipment up to 500kg.
3. **Description.** The trailer is a box type constructed of steel with a single axle. It is designed to be towed by the lightweight fleet.

Detail

4. **Dimensions:**
 - a. Overall Length 3180 mm
 - b. Overall Width 1550 mm
 - c. Overall Height:
 - (1) Unladen 1455 mm
 - (2) Laden 1425 mm
 - d. Track 1320 mm
 - e. Body internal dimensions:
 - (1) Length 1825 mm
 - (2) Width 1320 mm
 - (3) Height 475 mm

- (4) Distance between 970 mm wheelhouses
- 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
- h. Railway Gauging . . . All Australian gauges

5.

- Mass.**
- a. Unladen 360 Kg
 - b. Laden 860 Kg

6.

- Wheels and Tyres.**
- a. Rims 5.50 by 16 inch
 - b. Tyre 7.50 by 16 inch by 6 ply
 - c. Wheel Studs Five 9/16 BSF on 165 mm PCD
 - d. Tyre Pressure 180 KPa

- 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 m³
 - b. Reducible Height:
 - (1) Unladen 1230 mm
 - (2) Laden 1200 mm
 - c. Airportability Suitable for internal load in C130 and external load slung under a S-70A-9 (Black Hawk) in laden condition.

- d. Position of 80 mm forward centre of of axle centre gravity line.
- 9. Suspension. Semi-elliptic leaf springs
- 10. **Electrical:**
 - a. Lighting 12 volt
 - b. Connector Plug 12 pin NATO
- 11. **Associated Information:**
 - a. NSN 2330-66-049-4263
 - b. Liability Code 78000/01
 - c. AC in WM 21982
 - d. RPS 02060
 - e. SCES 011502