

## TRAILER, RECOVERY, HEAVY, MC3, HAULMARK MODEL MC-4DT

### 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.

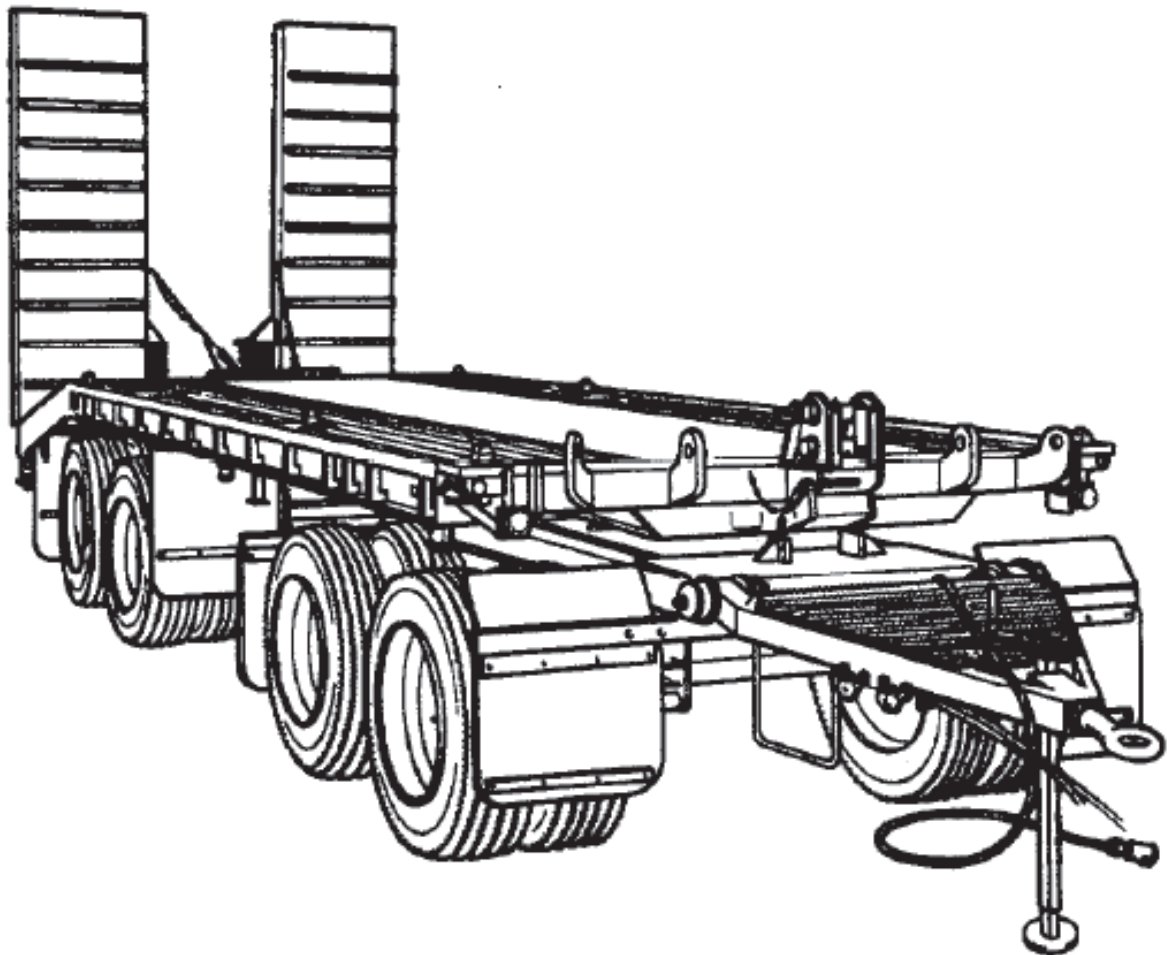


Figure 1 Trailer, Recovery, Heavy, MC3, Haulmark Model MC-4DT

#### General

1. This EMEI lists basic data for the Trailer, Recovery, Heavy, MC3, Haulmark Model MC-4DT as shown in Figure 1.
2. **Role.** The role of the equipment is the transportation of equipment casualties, including wheeled and tracked vehicles and engineering plant. In a secondary role it is suitable for transporting ISO containers.
3. **Description.** The Trailer, Recovery, Heavy, MC3 Haulmark Model MC-4DT is a four axle, all steel construction trailer, fitted with air brakes and leaf spring suspension, with an integrated dolly converter. The rated payload for the trailer is 20 000 kg with a gross trailer mass of 28 580 kg.

**Detail**

**4. Dimensions:**

- a. Height:
  - (1) Ramps Vertical..... 3 530 mm
  - (2) Deck ..... 1 350 mm
- b. Length (Ramps Down):
  - (1) Drawbar Vertical..... 11 000 mm
  - (2) Drawbar Horizontal..... 11 950 mm
- c. Length (Ramps Up):
  - (1) Drawbar Vertical..... 8 520 mm
  - (2) Drawbar Horizontal..... 9 500 mm
- d. Deck Length:
  - (1) Loading Deck..... 6 000 mm
  - (2) Including Beaver Tail..... 7 500 mm
- e. Deck Width ..... 2 500 mm
- f. Towing Eye Height ..... variable
- g. Track..... 1 816 mm
- h. Wheel Base..... 4 230 mm
- i. Drawbar Length (to Eye Centre) ..... 1 270 mm
- j. Ground Clearance..... 350 mm
- k. Limiting Feature ..... rear support leg

**5. Mass:**

- a. Unladen:
  - (1) Dolly Bogie ..... 3 820 kg
  - (2) Rear Bogie..... 4 760 kg
  - (3) Total ..... 8 580 kg
- b. Maximum Loading ..... 20 000 kg
- c. GTM..... 28 580 kg

**6. Bridge Classification:**

- a. Truck and Trailer..... 44

**7. Wheels and Tyres:**

- a. Wheels ..... 8.25 × 22.5 tubeless
- b. Tyre Size ..... (Ref EMEI Vehicle A 291-5)
- c. Tyre Pressures ..... (Ref EMEI Vehicle A 291-5)

**8. Axles:**

- a. Manufacturer ..... Dana/Spicer
- b. Type..... D22

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**9. Suspension:**

- a. Manufacturer ..... Engineered Transport Equipment
- b. Type ..... ETE T4-8LT load sharing

**10. Electrical System:**

- a. Type ..... 24 V dc
- b. Connector ..... 12-pin NATO
- c. Lighting:
  - (1) Stop and Tail Lights – Rear of Trailer ..... two, 21/5 watt
  - (2) Turn Indicator Lights – Rear of Trailer ..... two, 21 watt
  - (3) Front Clearance Lights – Front of Trailer ..... two, 5 watt
  - (4) Side Clearance Lights – Each Side of Trailer ..... two, 5 watt
  - (5) Number Plate Light – Rear of Trailer ..... two, 10 watt
  - (6) Work Light (Part of SCES) – Socket in Each Corner of Trailer ..... two, 70 watt
- d. Lighting, Military:
  - (1) Blackout, Stop and Marker – Rear of Trailer ..... two, replaceable module.

**11. Brakes:**

- a. Foundation ..... Dana/Spicer
- b. Type ..... air/mechanical  
internal expanding drum type, spring brakes on three axles, power chambers on front axle.

**12. Loading Ramps:**

- a. Type ..... single piece, rear mounted, spring assisted
- b. Loading Angle ..... 17 degrees

**13. Lubricants:**

- a. Chassis ..... XG 274
- b. Wheel Bearings ..... XG 274
- c. Air Valves ..... XG 315

**14. Manufacturer's Details:**

- a. Manufacturer:  
Haulmark Trailers (Australia)  
1848 Ipswich Rd  
ROCKLEA QLD 4108  
Phone: (07) 3277 3666  
Fax: (07) 3277 0296
- b. Australian Distributor:  
Haulmark Trailers (Australia)  
36 Riverside Rd  
CHIPPING NORTON NSW 2170  
Phone: (02) 9755 3877  
Fax: (02) 9755 2320

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15. Point of Contact:

NFM, Mdm/Hvy B Vehicles  
DMO  
DPM-7  
661 Bourke St  
MELBOURNE VIC 3000

16. Associated Information:

- a. SIGC.....2330-0076
- b. NSN..... 2330-66-140-6030
- c. RPS..... 02224
- d. SCES ..... 12196
- e. Other EMEI:
  - (1) [EMEI Vehicle A 291-5](#) .....General Service B vehicles – Tyre Guide
  - (2) [EMEI Vehicle H 652](#)..... Technical Description
  - (3) [EMEI Vehicle H 653](#)..... Light Grade Repair
  - (4) [EMEI Vehicle H 654-1](#).....Medium Grade repair
  - (5) [EMEI Vehicle H 659](#).....Servicing Instruction
- f. ILSI..... ALI MM 10-01

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END

Distribution List: **VEH H 05.0 – Code 1** (Maint Level)  
(Sponsor: LV SPO Med/Hvy B Vehicles)  
(Authority ECO LVSP0 044/08)