

TRAILER, LT/MDM, CARGO, 4 TONNE, MC3

SERVICING INSTRUCTION

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 lists the requirements for each level of servicing for the Trailer, Lt/Mdm, Cargo, 4 Tonne, MC3.

Associated Publications

2. For maintenance and repair procedures, reference may be necessary to the latest issue of the following documents:
 - a. [EMEI Vehicle H 426](#) – Trailer, Lt/Mdm, Cargo, 4 Tonne, MC3 – Authority for Use;
 - b. [EMEI Vehicle H 426-1](#) – Trailer, Lt/Mdm, Cargo, 4 Tonne, MC3 – Manual;
 - c. [Technical Manual, User Handbook](#) – Trailer, Lt/Mdm, Cargo, 4 Tonne, MC3 – 2330-66-148-3421; and
 - d. [Technical Regulation of Army Materiel Manual \(TRAMM\)](#), Vol 2, Sect 4, Chap 4 – Inspection and Classification of Land Materiel.
3. To ensure the safety of personnel and to prevent damage to equipment, reference may be required to the current issue of the following publications:

WARNING

Personnel servicing this equipment are to adhere to all industrial safety, work practices and equipment operating and maintenance instructions relevant to this EMEI.

The handling, storage and use of chemical substances is to be in accordance with SAFETYMAN, MSDS and EMEI Workshop E series requirements.

Trade Requirements

4. All procedures and adjustments are conducted by a Vehicle Mechanic - ECN 229 or tri-Service/civilian equivalent.

Servicing Intervals

5. Table 1 details the servicing interval for the trailer.

Table 1 Servicing Schedule

Type of Service	Period
Initial	1 600 km or three months, whichever occurs first
Minor	Every 10 000 km or 12 months, whichever occurs first or after the last Major/Alternate Major Service
Major	Every 20 000 km or 24 months, whichever occurs first
Alternate Major	Every 40 000 km or 48 months, whichever occurs first

6. The following servicing sequence is to be applied:
 - a. Initial Service – 1 600 km or three months from introduction into service.
 - b. Minor Service – 10 000 km or 12 months from introduction into service.

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- c. Major Service – 10 000 km or 12 months from last Minor Service.
 - d. Minor Service – 10 000 km or 12 months from last Major Service.
 - e. Alternate Major Service – 10 000 km or 12 months after the second Minor Service has been carried out.
 - f. The servicing sequence commences again after the Alternate Major Service, with a Minor Service being carried out after a further 10 000 km or 12 months.
7. The trailer must be serviced and technically inspected at least once every 12 months. Where two types of servicing periods are expressed, e.g. 12 months or 10 000 km, the service is to be applied at the expiration of the first occurring period, i.e. whichever comes first.
8. Unit commanders may reduce the period between services or add servicing tasks to meet operational or exercise requirements. A scheduled service may be anticipated or delayed within a limit of plus or minus 10 per cent of the interval between services to meet operational needs and to permit workload planning.

NOTE

When any equipment exceeds the 10 per cent maximum limit of the servicing interval (Table 1), it is to be classified '**XX – Do Not Use**' until the outstanding service is completed.

9. Daily and weekly servicing is to be carried out as detailed in the user handbook.

Actions Required

10. Figure 1 shows the servicing points for the trailer. Table 2 details the actions to be performed at each of the levels of servicing.

NOTE

During servicing procedures, bolts, nuts and other fasteners that require re-tensioning or adjusting and have been assembled using Loctite products, or equivalent, are to have the Loctite renewed.

11. **Road Test.** At the completion of each service, the vehicle is to be road tested for at least 5 km to ensure that all systems function correctly.

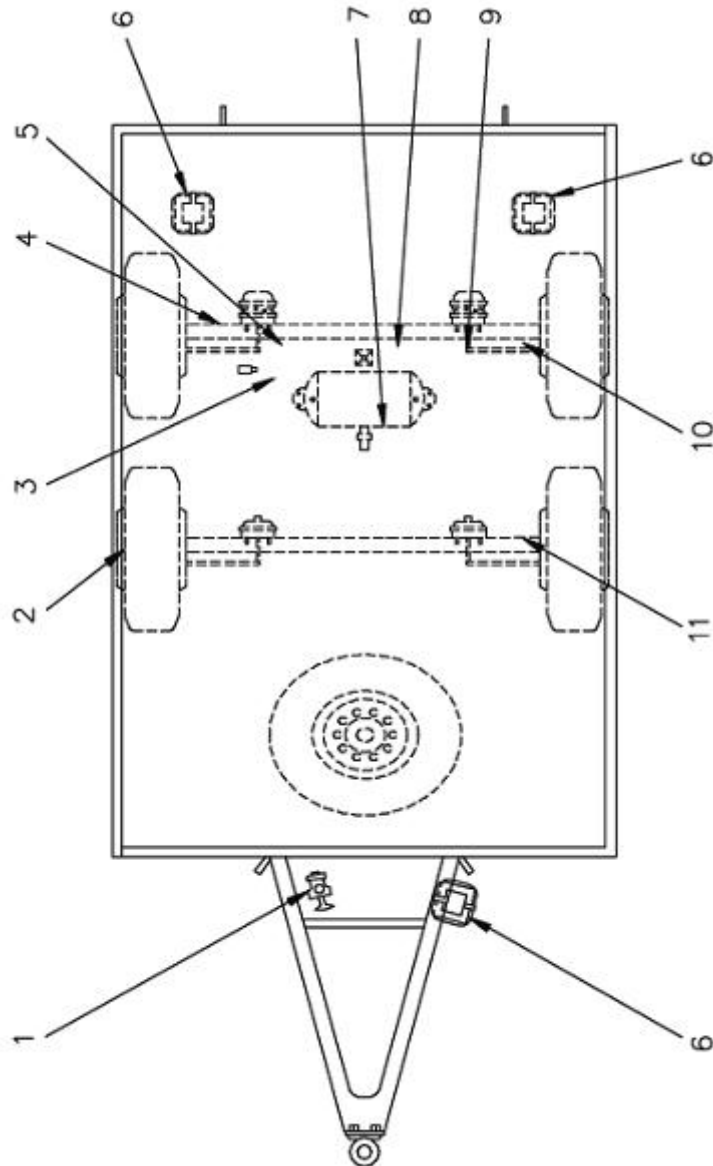
Documentation

12. **Standard Jobs.** MMM standard job numbers have been raised to carry out and record vehicle servicing. The following standard job numbers have been allocated:

- a. Minor Service – 7493.
- b. Major Service – 7494.
- c. Alternate Major Service – 7495.

13. **Technical Inspection.** At the completion of each service, the vehicle is to be technically inspected and a Technical Inspection Report (Form GI041) completed or an Inspection Report completed and printed from the DDQ541 screen in MMM and inserted in the vehicle GM 120.

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|---|------------------------------|----|----------------------------|
| 1 | Yard Release Valve | 7 | Spring Brake Control Valve |
| 2 | Wheel Bearings | 8 | Brake Relay Valve |
| 3 | Pressure Proportioning Valve | 9 | Slack Adjuster Clevis |
| 4 | Brakes | 10 | Camshaft Bushes |
| 5 | Slack Adjusters | 11 | Road Spring U-Bolts |
| 6 | Support Legs | | |

Figure 1 Servicing Points for Trailer, Lt/Mdm, Cargo, 4 Tonne, MC3

Table 2 Servicing Actions for Trailer, Lt/Mdm, Cargo, 4 Tonne, MC3

Item	Item or Assembly	Note(s)	Lubricant	Service Type				No of Point(s)
				Initial 3 mth/ 1600 km	Minor 12 mths/ 10 000 km	Major 24 mths/ 20 000 km	Alt Major 48 mths/ 40 000 km	
1	Yard release valve	1, 2, 3	XG-315	I	I	I	IOL	1
2	Wheel bearings	1, 3	XG-291	AI	AI	ILA	ILA	4
3	Pressure proportioning valve	1, 2, 3	XG-315	I	I	I	IOL	1
4	Brakes	1, 4		I	I	I	IO	4
5	Slack adjusters	1, 5	XG-291	AIL	AIL	AIL	AILG	4
6	Support legs	1, 3	XG-291	IL	IL	IL	IL	3
7	Spring brake control valve	1, 2, 3	XG-315	I	I	I	IOL	1
8	Brake relay valve	1, 2, 3	XG-315	I	I	I	IOL	1
9	Slack adjuster clevis	1, 3	OMD-115	IL	IL	IL	IL	4
10	Camshaft bushes	1, 3	XG-291	IL	IL	IL	IL	8
11	Road spring U-bolt nuts	1, 6		IY	IY	IY	IY	16
12	All hinges, pins and linkages not fitted with grease nipples		OMD-115	IL	IL	IL	IL	

Legend: A – Adjust, G – Replace, I – Inspect and/or Correct, L – Lubricate, O – Overhaul, Y – Tighten/Free Up.

Notes:

- Items in Table 2 refer to the servicing points shown at Figure 1.
- Functional tests are to be performed on the trailer air brake system to determine the presence of faults.
- For maintenance and adjustment procedures, refer to EMEI Vehicle H 423 or H 426-1.
- Brake shoes are to be replaced when inspection identifies that they have exceeded wear limits. During Alternate Major Service, overhaul the spring brakes in accordance with EMEI Vehicle H 423 and H 426-1.
- Ensure adjusting mechanism is locked in position following adjustment.
- Tighten the road spring U-bolt locking nuts to 415 N.m (310 lb.ft) after 3 months, then at each service.

END

Distribution List: **VEH H 04.1 – Code 2** (Maint Level)

(Sponsor: LV SPO, Mdm/Hvy B Veh)

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