

## DOLLY CONVERTER, HEAVY, TANK/PLANT TRANSPORTER, MC4

### 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 Dolly Converter, Heavy, Tank/Plant Transporter, MC4 (dolly). Figure 1 shows the servicing points for the dolly and Table 1 details the servicing requirements for each level of servicing for the dolly.

#### WARNING

**All industrial safety, work practices and equipment operating and maintenance instructions pertaining to this EMEI are to be adhered to.**

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

#### Associated Publications

2. For maintenance and repair procedures, reference may be necessary to the latest issue of the following documents:

- a. [EMEI Vehicle A 008-1](#) – The Vehicle Part – Technical Inspection of ‘B’ Vehicles, Trailers, Motorcycles and All Terrain Vehicles (ATV);
- b. [EMEI Vehicle A 029-2](#) – Vehicles – General – Road Testing of Medium and Heavy B Vehicles and Combinations;
- c. [EMEI Vehicle H 983](#) – Dolly Converter, Heavy, Tank/Plant Transporter, MC4 – Light Grade Repair;
- d. [EMEI Vehicle H 984-1](#) – Dolly Converter, Heavy, Tank/Plant Transporter, MC4 – Medium Grade Repair;
- e. [EMEI Vehicle A 291-1](#) – Tyres and Tubes – Care and Maintenance of B Vehicles – General Instruction;
- f. [Defence Safety Manual \(SAFETYMAN\)](#); and
- g. Technical Regulation of ADF Material Manual – Land (TRAMM-L) (available from DTR-A website <http://intranet.defence.gov.au/armyweb/Sites/DTRA/docs/tramml.pdf>).

#### Servicing Sequence

3. The following servicing sequence is to be applied:

- a. Minor Service – 20 000 km or 12 months after the last Alternate Major Service;
- b. Major Service – 20 000 km or 12 months after the last Minor Service;
- c. Minor Service – 20 000 km or 12 months after the last Major Service;
- d. Alternate Major Service – 20 000 km or 12 months after the last Minor Service; and
- e. the servicing sequence commences again after the Alternate Major Service with a Minor Service being carried out after a further 20 000 km or 12 months.

4. Servicing is based on distance travelled or time elapsed, with all dollies being serviced at least once every 12 months. Unit commanders may reduce the periods 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 five percent of the interval between services to meet operational needs and to permit workload planning.

**NOTE**

When any equipment exceeds the five percent maximum limit of the servicing interval it is to be classified 'DO NOT USE – XX' until the outstanding service is completed.

**Authorised Personnel**

5. Servicing is to be carried out by a Vehicle Mechanic ECN 229 or tri-Service/civilian equivalent.

**Standard Job**

6. Standard job numbers have been raised to detail the vehicle servicing. The following standard job numbers have been allocated:

- a. Minor Service – 6471;
- b. Major Service – 6472;
- c. Alternate Major Service – 6400; and
- d. Technical Inspection (TI) – 6523.

**Additional Tasks**

7. No additional tasks are to be added to scheduled maintenance work orders. A separate work order shall be raised to record additional maintenance tasks identified during the servicing and/or the Technical Inspection. These additional tasks may include, but not be limited to, the replacement of wheel bearings, brake pads/shoes, etc., and outstanding modifications. The additional tasks are to be completed in conjunction with the scheduled maintenance.

**Table 1 Servicing Requirements for the Dolly**

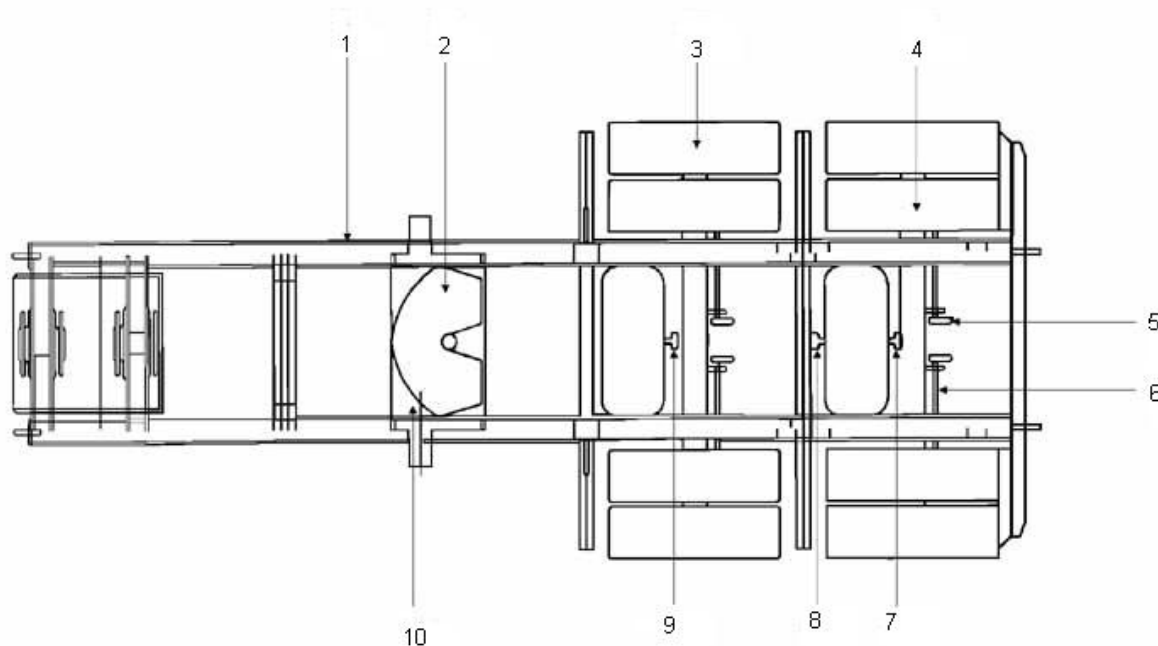
Serial	Item or Assembly (Note 1)	Minor	Major	Alt Major	Lubricant	No of Points
1	Yard Release Valve	-	I,L	I,L	XG-315	1
2	Fifth Wheel Bearing Plate	L	L	L	XG-291	4
3	Wheel Bearings	A	I,L	I,L	XG-291	4
4	Brakes	A	A	A		4
5	Slack Adjusters	L	I,L	I,L	XG-291	8
6	Brake Camshaft Bushes	L	L	I,L	XG-291	8
7	Brake Relay Valve	-	I,L	I,L	XG-315	1
8	Spring Brake Control Valve	-	I,L	I,L	XG-315	1
9	Brake Relay Boost Valve	-	I,L	I,L	XG-315	1
10	Fifth Wheel Compensator	L	L	L	XG-291	10
11	Spring U-bolts (Note 2)	Y	Y	Y		8
12	Slack Adjuster Clevis	L	L	L	XG-291	8
13	TI (Para 8)	AR	AR	AR		
14	Road Test (Para 9)	AR	AR	AR		
15	Record Details of Inspection in GM 120 Part 2 – Record of Inspection	AR	AR	AR		
16	Record Details of Service in GM 120 Part 2 – Record of Servicing	AR	AR	AR		

Legend: **A** – Adjust, **AR** – Action Required, **I** – Inspect, **L** – Lubricate, **Y** – Tighten

Notes

- 1. Table 1 refers to Figures
- 2. Tighten the spring u-bolts to 415 N.m.

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**Figure 1 Servicing Points for the Dolly**

8. A complete Technical Inspection is to be carried out every twelve months in accordance with EMEI Vehicle A 008-1. A Technical Inspection Report is to be completed and inserted in Part 2 of the trailer's GM-120.
9. Road test the trailer in accordance with EMEI Vehicle A 029-2.

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**END**

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