

VEHICLES - GENERAL

SERVICING OF B VEHICLES, TRAILERS, ALL TERRAIN VEHICLES (ATV'S) AND MOTOR CYCLES

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 instruction details guidelines for the servicing procedures to be applied to B vehicles, trailers, ATV's and motor cycles that are not covered by equipment specific EMEI and/or instructions. This instruction will also provide guidance on the servicing of equipment that is status 3 (Obsolescent) and status 4 (Obsolete). The purpose is to enable this equipment to be maintained with a minimum of servicing, commensurate with operational and logistic stock holding requirements.

Associated Publications

2. Reference may be required to the current issue of the following publications to assist with management of equipment maintenance:

- a. [EMEI General A 001](#) – Electrical and Mechanical Engineering Instructions - Authorisation;
- b. [\(TRAMM-L\) – Technical Inspection and Classification of Army Equipment](#);
- c. [Electronic Supply Chain Manual](#); and
- d. [Defence Road Transport Instructions \(DRTI\)](#).

3. Reference may be required to the current issue of the following publications to ensure safety of personnel and prevent damage to equipment:

- a. EMEI Workshop E series – Occupational Health and Safety Instructions;
- b. [Defence Safety Manual \(SAFETYMAN\)](#) Vol 1 and 2 – Defence Occupational Safety;
- c. [Product Material Safety Data Sheets \(MSDS\)](#) – product information sheets;
- d. relevant equipment EMEI Servicing Instructions; and
- e. Equipment User/Operator and Servicing Handbooks.

4. Reference may be required to the current issue of the following publications to ensure servicing procedures and inspections are carried out to components and ancillary assemblies fitted to equipment:

- a. [EMEI Electrical M 013](#) – Batteries, Lead Acid - Storage, Charging, Testing, Repair and Maintenance;
- b. [EMEI Electrical M 029-1](#) – Sealed Lead Acid Batteries – Maintenance and Test Procedures;
- c. [EMEI Electrical T 009-1](#) – Storage of Refrigeration and Air Conditioning Equipment – All Types;
- d. [EMEI Vehicle A 029-2](#) – Road Testing of medium and Heavy B Vehicles and Combinations;
- e. [EMEI Vehicle A 049-1](#) – Inspection and Repair of Towing Pintle;
- f. [EMEI Vehicle A 548-1](#) – Inspection for Useability – Vehicle Seat Belts – Inspection Data;
- g. [EMEI Vehicle A 453-2](#) – General Instruction – Hydraulic Brake Systems – Re-sleeving of Master and Wheel Cylinders;
- h. [EMEI Vehicle A 459-2](#) – Miscellaneous Instruction – B Vehicle Hydraulic Brake Fluid Deterioration;
- i. [EMEI Vehicle A 591-1](#) – Miscellaneous Instruction - Inspection and Cleaning of Dry Type Air Cleaners;
- j. [EMEI Vehicle G 008-1](#) – Examination Data – Truck, Lightweight, MC2 – All Types - Inspection and Repair of Towing Pintle Assembly;
- k. [EMEI Vehicle A 028-1](#) – Inspection for Usability – B vehicle cranes – Vehicles - general;

- l. [EMEI Miscellaneous Equipment O 351](#) – Operator Instructions – Steel Wire Rope and Slings;
- m. [EMEI Vehicle A 291-5](#) – Operator Instructions – Australian Defence Force B Vehicle Tyre Guide; and
- n. Australian Standard (AS) 1851.1 – Maintenance of fire protection equipment – Portable fire extinguishers and fire blankets Inspection.

General

5. **CVO Vehicles.** The CVO (commercial/white vehicle) fleets are not covered by this instruction. They are to be serviced as directed by the National Fleet Manager (NFM) CVO by authorised civilian contractors in accordance with the manufacturer’s handbook.
6. **Warranty.** Where adherence to the intervals detailed in this instruction would void a manufacturer’s warranty, equipment is to be serviced in accordance with relevant manufacturer’s instructions to ensure continuation of warranty. Upon expiration of warranty, the servicing intervals detailed in this instruction are to be used.
7. **Scheduled Servicing Intervals.** Scheduled servicing intervals are based on the following:
- a. distance travelled;
 - b. hours run; and/or
 - c. calendar cycles.



Any lubricants, coolants or gases, which are contaminated (milky, black or discoloured), are to be replaced regardless of servicing intervals, to ensure correct operation of the equipment.

8. Equipment is to be serviced when any one of the above servicing intervals is reached. Unit Commanders may reduce or extend the period between services, or add servicing tasks to meet operational or exercise requirements.
9. A scheduled service may be anticipated or delayed, within a limit of plus or minus 10% of the interval between services, to meet operational needs and to permit workload planning.

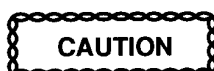


No vehicle or equipment is to exceed a scheduled service by 1000 km. Where equipment requiring 10 000 km services exceeds the 10% maximum limit (1000 km), they are to be classified ‘do not use (xx)’ until the required service has been completed. Equally, equipment with 20 000 km servicing intervals are to have a 5% (1000 km) maximum limit.

Application

10. The servicing, inspection intervals and actions, detailed in this instruction, apply to B vehicles, trailers, all terrain vehicles and motor cycles as follows:
- a. For GS B Vehicles without authorised servicing instructions, the servicing and inspection intervals and actions, detailed in this instruction, are to be applied.
 - b. For CL in Lieu (Green Fleet) Vehicles without authorised servicing instructions, servicing is to be as detailed in the relevant supporting ILSI. If no ILSI exists then the vehicle is to be serviced/maintained using an original equipment manufacturer’s (OEM) approved dealer network in accordance with the OEM recommended servicing schedule. For modules and role specific equipment mounted on CL in Lieu Vehicles, refer to the equivalent GS Vehicle Servicing EMEI for direction.
 - c. For trailers, without authorised servicing instructions, the servicing and inspection intervals and actions, detailed in this instruction, are to be applied.
 - d. For All Terrain Vehicles without authorised servicing instructions, servicing is to be as detailed in the relevant supporting ILSI. If no ILSI exists then the vehicle is to be serviced/maintained using the

- equipment OEM approved dealer network in accordance with the OEM recommended servicing schedule.
- e. For motor cycles without authorised servicing instructions, servicing is to be as detailed in the relevant supporting ILSI. If no ILSI exists then the vehicle is to be serviced/maintained using the equipment OEM approved dealer network in accordance with the OEM recommended servicing schedule.
 - f. For all status 3 (Obsolescent) equipment a technical inspection is to be completed prior to any servicing tasks commencing. If additional repair/maintenance tasks in excess of the normal servicing tasks are identified during the inspection then the service is not to be proceeded with. The inspection is to be completed and the equipment classified as Beyond Repair (BR) and the inspection report submitted to the National Fleet Manager (NFM) for disposal confirmation / repair clearance direction.
 - g. For all status 4 (Obsolete) equipment; the equipment is not to be used, serviced, inspected, repaired, or maintained without specific approval, in writing, from the NFM for the applicable equipment.



This instruction does not apply to b vehicles, trailers, all terrain vehicles and motor cycles, that have authorised amended servicing periods. This may be due to harsh operating conditions, extended servicing intervals, oil sample trials or specific msi/components that require more frequent servicing to prevent equipment failure. Equipment with authorised amended servicing intervals are to comply with those instructions.

Serviceing Intervals

- 11. Servicing intervals are to be based on distance travelled / calendar cycles for B vehicles, trailers (with hub odometers) and motor cycles, hours / calendar cycles for all terrain vehicles and calendar cycles only for trailers without hub odometers.
- 12. Periodical servicing and inspections for B vehicles, trailers, all terrain vehicles and motor cycles are to be carried out as detailed below:
 - a. **Daily Servicing.** Daily servicing is to be conducted prior to, and at the completion of operation, to ensure that the equipment is fit for daily tasks.
 - b. **Initial Servicing.** Initial servicing is to be conducted on new or rebuilt equipment at the completion of:
 - (1) **B Vehicles and Motor Cycles** – the first 750 km or one month, whichever occurs first, or as indicated by the manufacturer’s warranty agreement.
 - (2) **All Terrain Vehicles** - as indicated by the manufacturer’s warranty agreement.
 - (3) **Trailers**– the first 10 hours of operation.
 - c. **Minor Servicing.** Minor servicing is to be conducted as follows:
 - (1) **B Vehicles** – every 10 000 km or 12 months, whichever occurs first or after the last major/alternate major service.
 - (2) **Trailers Fitted with Hub Odometers** – every 20 000 km or 12 months, which ever occurs first or after the last major service.
 - (3) **Trailers without Hub Odometers** – every 12 months or if tasked as a dedicated trailer, to be serviced with the towing vehicle/equipment.
 - d. **Major Servicing.** Major servicing is to be conducted as follows:
 - (1) **B Vehicles** – every 20 000 km or 24 months, whichever occurs first, after the last major service.
 - (2) **Trailers Fitted with Hub Odometers** – every 40 000 km or 24 months, whichever occurs first, after the last major service.
 - (3) **Trailers without Hub Odometers** – every 12 months after minor services or serviced with dedicated towing vehicle/equipment.

- e. **Alternate Major Service.** Alternate Major servicing is to be conducted as follows:
- (1) **B Vehicles** – every 40 000 km or 48 months, whichever occurs first, after the last alternate major service.
 - (2) **Trailers Fitted with Hub Odometers** – every 80 000 km or 48 months, whichever occurs first, after the last alternate major service.

NOTE

There are no alternate major servicing intervals for the light and lightweight trailer fleet. Alternate major servicing applies to medium and heavy trailers only.

Servicing Sequence

13. The following servicing sequence is to be applied to vehicles and heavy trailers:
- a. Initial Service – 750 km or one month from introduction into service or as per warranty agreement.
 - b. Minor Service – 10 000 km (vehicles) 20 000 km (trailers) or 12 months from introduction into service.
 - c. Major Service – 10 000 km (vehicles) 20 000 km (trailers) or 12 months from last minor service.
 - d. Minor Service – 10 000 km (vehicles) 20 000 km (trailers) or 12 months from the last major service.
 - e. Alternate Major Service – 10 000 km (vehicles) 20 000 km (trailers) or 12 months after the second minor service has been conducted.
 - f. The servicing sequence commences again after the Alternate Major Service, with a minor service being carried out after a further 10 000 km (vehicles) 20 000 km (trailers) or 12 months.

NOTE

The servicing sequence to be adhered to for the light and lightweight trailer fleet is to carry out a Major Service, when an Alternative Major Service is indicated.

Technical Inspections of B Vehicles, Trailers, All Terrain Vehicles and Motorcycles

14. Equipment subject to a technical inspection is to be inspected by a suitably qualified person when:
- a. initial issue to owner unit occurs;
 - b. Minor, Major and Alternate Major Services occur;
 - c. the end of warranty periods occur (for rectification of faults before warranty expires);
 - d. non-fair-wear to equipment occurs (NFW) or is suspected;
 - e. directed by higher authority; or
 - f. equipment disposal action is required.

Servicing of B Vehicles in Units (other than Depot Stock Equipment)

15. **Equipment Affected.** The equipment affected are those vehicles that meet the following criteria:
- a. The equipment warranty has exceeded the warranty expiry date.
 - b. The equipment has no specific authorised servicing instruction.
 - c. The equipment is not status 3 or 4.
16. This equipment is serviced and inspected in accordance with Paragraphs 2, 3 and 4 of this EMEL.

Servicing of B Vehicles in Logistic Units (Depot Stock)

17. **Equipment Affected.** This instruction covers equipment that meets the following criteria:
- a. The equipment warranty has exceeded the warranty expiry date.
 - b. The equipment has no specific authorised servicing instruction.

- c. The equipment is not part of the Unit Equipment Entitlement. This equipment is serviced in accordance with Paragraph 12 of this EMEL.
- d. The equipment is not status 3 or 4.

18. Modified Servicing. Equipment meeting criteria detailed in the preceding paragraph are to be serviced in accordance with the modified servicing schedules outlined below:

a. Servicing.

- (1) **Minor Service.** A minor service is only to be conducted when the vehicle completes 10 000 km in the logistic unit.
- (2) **Major Service.** A major service is only to be conducted when the vehicle completes 20 000 km in the logistic unit or if no servicing has been carried out over the previous 24-month period.
- (3) **Alternate Major Service.** An alternate major service is only to be conducted when the vehicle completes 40 000 km in the logistic unit or if no alternate major servicing has been carried out over the previous 48-month period.

NOTE

Prior to equipment being permanently issued to a unit, an alternate major service is to be conducted if the equipment has not had a major service in the last 12 months. Trailers are to have a major service conducted if a major service has not been carried out in the last 24 months.

- (4) **Preventative Maintenance Service.** At each 12-month interval, where no minor service has been conducted, the following is to be carried out:
 - (a) check engine oil;
 - (b) check and top-up transmission and transfer case oil, where applicable;
 - (c) check and top-up axle assembly oils; and
 - (d) lubricate all grease points, e.g. suspension system, drive train, steering and door linkages.

b. Preventative Maintenance. The following preventative maintenance measures are to be carried out on all Fully Functional (FF) logistic unit vehicles every three months or as indicated:

- (1) Carry out first/last parade checks as per ref Paragraph 2 (d).
- (2) Start the vehicle and allow the engine to reach operating temperature.
- (3) Drive the vehicle for at least 30 min or a distance of not less than 20 km. If the vehicle has been operated during the previous three months for a distance of 20 km or more, then this action need not be carried out.

NOTE

Static running is insufficient. The engine must be operated under load and the vehicle must move to lubricate the drive train components.

- (4) **Cranes/Hoists/Winches.** Operate all ancillary items on the equipment every three months through the full range of travel (e.g. extend all crane booms and rotate).
- (5) **Air-Conditioning System.** All equipment fitted with air-conditioning systems are to be operated for 10 minutes weekly, to ensure full cycling of refrigerant gases in accordance with Paragraph 4 (c).



Failure to carry out operation of equipment fitted with refrigeration systems as a weekly task can result in component failure, equipment down-time and costly repairs.

- (6) Batteries.** Procedures for battery maintenance, charging and storage are contained in Paragraph 4 (a) and (b).

NOTE

Batteries must be fully charged prior to placement into or removal from storage for fitment to equipment.

- 19. Inspections of Depot Stock Vehicles.** Inspections of logistic unit vehicles are to occur as follows:
- a. Non Technical Inspection.** Non technical inspections (to include a test drive) are to be completed by the unit that had the equipment on loan on all vehicles when returning the vehicle to depot.
 - b. Technical Inspections.** Technical inspections are to be completed when the following circumstances occur:
 - (1)** the non technical inspection report has safety tasks or 'XX' items required to be rectified,
 - (2)** 12 months has expired since the last technical inspection, or
 - (3)** a service has been carried out on the equipment.
- 20.** Recording of inspections and services are to be made in the following areas of the GM 120:
- a.** Technical Inspections – Part 2 ;
 - b.** Services - Part 2, as follows:
 - (1)** Minor – Min;
 - (2)** Major – Maj; and
 - (3)** Alternate Major – Alt Maj.

NOTE

A copy of the latest technical inspection is to be retained in the GM 120 at all times.

Servicing Details

- 21.** Daily servicing for B Vehicles, Trailers and Semi-Trailers is to be as detailed in Para 2 d.
- 22.** Details of the relevant services and associated inspections are contained in the following tables:
- a.** Table 1 – Initial, Minor, Major and Alternate Major Servicing for B Vehicles;
 - b.** Table 2 – Initial, Minor and Major Servicing for Trailers and Semi-Trailers.

NOTE

ATV and motor cycle servicing is to be carried out in accordance with the OEM recommended servicing schedule.

Table 1 Initial, Minor, Major and Alternate Major Servicing for B Vehicles

Serial	Operation	Servicing				Performed by	
		Initial	Minor	Major	Alternate Major	Dvr	Veh Mech
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
	ROAD TEST						
1.	Functionally check systems and carry out a road and brake efficiency test. Note all faults and rectify as necessary.	T/I	T/I	T/I	T/I		X
	UNDER BONNET OPERATIONS						
2.	Check and replenish as necessary:						
	windscreen washer water;	I	I	I	I	X	
	steering box oil;	I	I	I		X	
	power steering fluid; and	I	I	I		X	
	battery electrolyte;	I	I	I	I	X	
3.	Check general conditions of battery cables and all connections.	I	I	I	I		X
4.	Lubricate bonnet lock and check operation.	L	L	L	L	X	
5.	Lubricate as necessary, accelerator and kick-down linkages.		L	L	L	X	
6.	Clean crankcase emission valve and oil filler cap.			N	N		X
7.	Check condition and tension of drive belts (replace as necessary).	I/G	I/G	I/G	I/G		X
8.	Torque intake and exhaust manifold bolts.	Y			Y		X
9.	Torque cylinder head and rocker shaft bolts (if necessary).	Y			Y		X
10.	Adjust engine inlet and exhaust valve clearances (except engines fitted with hydraulic cam followers).	A/T		A/T	A/T		X
11.	Lubricate distributor, clean distributor cap, check condition and security of high tension leads and coil.		N/I/L	N/I/L	N/I/L		X
12.	Check air and vacuum pipelines and hoses for security and serviceability.	I/Y	I/Y	I/Y	I/Y		X

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Table 1 Initial, Minor, Major and Alternate Major Servicing for B Vehicles (Cont)

Serial	Operation	Servicing				Performed by	
		Initial	Minor	Major	Alternate Major	Dvr	Veh Mech
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
13.	Check injectors, fuel transfer and injection pumps for leaks and serviceability.	I		I	I		X
14.	Drain, flush and refill radiator and replenish inhibitor.	I/T	I/T	E/G/T	E/G/T		X
15.	Check operation of exhaust manifold heat control valve.		I/Y	I/Y	I/Y		X
16.	Replace in-line fuel filter element, clean fuel pump filter screen and sediment bowl.			N/G	N/G		X
17.	Clean/adjust distributor contact points and spark plugs (replace if necessary).	N/A/T	N/A/T	N/A/T	N/A/T		X
18.	Check/adjust ignition timing and reset engine idle speed as necessary.	I/A/T	I/A/T	I/A/T	I/A/T		X
19.	Check operation of fitted anti-pollution devices and test for emission levels.	I/C/T		I/C/T	I/C/T		X
20.	Adjust steering box (if necessary).			I/A	I/A		X
21.	Check operation of power steering (if fitted).	I/T		I/T	I/T		X
22.	Check engine mounts for security and serviceability.	I	I	I	I		X
23.	Clean and inspect axle and gearbox breathers.				N/I		X
UNDER BODY OPERATIONS							
24.	Change engine oil and filter.	E/G		E/G	E/G	X	
25.	Drain and refill power steering reservoir.				E		X
26.	Check under body for signs of oil or exhaust leaks.		I	I	I		X
27.	Check and replenish as necessary:						
	manual transmission oil;	E	I/U	I/U	E	X	
	transfer case oil.	E	I/U	I/U	E	X	
	rear axle oil; and	E	I/U	I/U	E	X	

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Table 1 Initial, Minor, Major and Alternate Major Servicing for B Vehicles (Cont)

Serial	Operation	Servicing				Performed by	
		Initial	Minor	Major	Alternate Major	Dvr	Veh Mech
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
28.	Carry out full lubrication in accordance with the applicable OEM Servicing Instruction.	L/S	L/S	L/S	L/S	X	
29.	Check brake system for leaks and hoses for chafing.	I/T	I/T	I/T	I/T		X
30.	Replace/clean air system filters. (2)	I/N/G	I/N/G	G	G	X	X
31.	Check drive shafts centre bearings and universal joints for serviceability (including torque tubes).	I/L		I/L	I/L		X
32.	Check suspension and steering linkage for damage or wear.	I/T	I/T	I/T	I/T		X
33.	Torque suspension components.	Y		Y	Y		X
34.	Check spring shackle pins and bushes for serviceability.		I/Y	I/Y	I/Y		X
35.	Check front, rear and park brake shoes / pads for wear, examine wheel cylinders for leaks, remove lining dust and check operation of adjusting mechanism (task carried out in conjunction with Serial 38).	I/N/T		I/N/T	I/N/T		X
36.	Adjust brakes including handbrake.		A	A	A		X
37.	Check wheel-bearing adjustment without dismantling.	T	T				X
38.	Inspect, repack and adjust wheel bearings.			I/L/A	I/L/A		X
39.	Check wheel alignment.	I/C/A			I/C/A		X
40.	Lubricate speedometer cable.		L	L	L		X
41.	Check headlight alignment.	I/C/A		I/C/A	I/C/A		X
42.	Check operation of 'kick-down' and neutral start switch for automatic transmissions.	I/C/A	I/C/A		I/C/A		X
43.	Check operation and lubricate door locks and hinges.		I/L	I/L	I/L	X	

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Table 1 Initial, Minor, Major and Alternate Major Servicing for B Vehicles (Cont)

Serial	Operation	Servicing				Performed by	
		Initial	Minor	Major	Alternate Major	Dvr	Veh Mech
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
44.	Check seat belts for secure mounting, condition and operation of mechanism.		I/T	I/T	I/T		X
45.	Remove battery and wash battery compartment, repaint as necessary.		N/Q	N/Q	N/Q	X	
46.	Torque wheel nuts, at initial service then at manufacturer's recommended interval.	Y	Y	Y	Y		X
47.	Check operation of all lights and gauges.	I/T	I/T	I/T	I/T		X
	AIR-CONDITIONING UNIT (4, 5)						
48.	Carry out the following:						
	check security of compressor mount;		I	I	I		X
	check refrigerant lines for serviceability;		I/C	I/C			X
	operate air-conditioning unit for a period of 10 minutes, then observe for obvious faults;	T/I	T/I	T/I	T/I		X
	clean evaporator and condenser fins;		N/I	N/I	N/I		X
	rotate compressor pulley by hand and check for smooth operation;		I	I	I		X
	rotate drive belt idler pulley and check for smooth operation;		I	I	I		X
	check refrigerant charge;			I/T	I/T		X
	replace air conditioner filter drier – evacuate system, leak test and recharge refrigerant gases;				G/E/C/U		
	complete full system functional test (including operation thermostat);				T		
	CRANE						
49.	Carry out the following:						
	check operation and serviceability of the crane;	I/T	I/T	I/T	I/T		X
	change fluid and lubricate in accordance with OEM servicing instructions;	I	I	I	E	X	
	check hydraulic hoses for serviceability;	I	I	I	I		X
	check crane mountings for tightness; and	I/Y	I/Y	I/Y	I/Y		X
	lubricate all grease points.	L	L	L	L	X	

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Table 1 Initial, Minor, Major and Alternate Major Servicing for B Vehicles (Cont)

Serial	Operation	Servicing				Performed by	
		Initial	Minor	Major	Alternate Major	Dvr	Veh Mech
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
	PLATFORM LOADER						
50.	Carry out the following: check operation and serviceability of the platform; change fluid and lubricate in accordance with OEM servicing instructions; and lubricate all grease points.	I/T I L	I/T I L	I/T I L	I/T G L	 X X	X
	HOIST						
51.	Carry out the following: check operation and serviceability of the hoist; change fluid and lubricate in accordance with OEM servicing instructions; and lubricate all grease points.	I/T I L	I/T I L	I/T I L	I/T G L	 X X	X
	FIFTH WHEEL						
59.	Carry out the following: torque turntable mounting bolts and check serviceability of mount pivots; check jaws, jaw pivots and jaw locking devices for obvious faults; and check stabilised base (if fitted) for free rotation.	Y/I/L I/L I/L	Y/I/L I/L I/L	Y/I/L I/L I/L	Y/I/L I/L I/L		X X X
	WINCH/RECOVERY EQUIPMENT						
60.	Functionally test winch operation.	I/T	I/T	I/T	I/T	X	
61.	Inspect winch ropes for serviceability, clean and lubricate winch ropes (6)	I/L	I/L	I/L	I/L		X
62.	Check operation of winch overload device (except shear pin type) by overloading. For shear pin overload type, check that correct shear pin is fitted.	I/T/C	I/T/C	I/T/C	I/T/C		X
63.	Change fluid and lubricate in accordance with OEM servicing instructions; and	I	I	I	G		
64.	Lubricate all grease points and wear plates/sliding metal contact areas with recommended lubricants.	I/L	I/L	I/L	I/L	X	

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Table 1 Initial, Minor, Major and Alternate Major Servicing for B Vehicles (Cont)

Serial	Operation	Servicing				Performed by	
		Initial	Minor	Major	Alternate Major	Dvr	Veh Mech
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
65.	TEST DRIVE Test drive to check for safe brake application and equipment operation.	T	T	T	T	X	X
66.	RECORDING Record the service, on completion, in Part 2(b) of the GM 120.and record the service in MILIS	D	D	D	D		X

Legend:

A – Adjust B – Bleed, C – Calibrate/Gauge/Measure, D – Document, E – Evacuate/Drain and Refill, G – Replace, I – Inspect and or Correct, L – Lubricate, M – Modify, N – Clean, O – Overhaul, P – Paint (Major), Q – Paint (Minor), R – Repair, S – Service, T – Test/Tune, U – Check and Top Up, Y – Tighten/Free Up.

(Codes for equipment inspection classification are as detailed in TRAMM-L)

Notes:

1. The brake and clutch systems are to be drained, flushed, refilled and bled every 12 months refer to EMEI Vehicle A 459-2.
2. For detailed information on dry-clean and washable-type air cleaner elements, refer to EMEI Vehicle A 591-1.
3. Oil filled hubs are to be checked on a major service, oil changed every alternate major service and fully inspected every 80 000 km.
4. For detailed information on storage of refrigeration and air-conditioning equipment, refer to EMEI Electrical T 009-1.
5. For systems fitted with R134a refrigerant, a qualified refrigeration mechanic must check system pressure, as sight glass does not accurately measure refrigerant levels in these systems.
6. For detailed information on maintenance and use of steel wire ropes, refer to EMEI Miscellaneous Equipment O 351

Servicing requirements to change oils and lubricants are recommended intervals to ensure correct operation of equipment. Any lubricants that are contaminated (milky, black or discoloured) are to be replaced regardless of servicing intervals. Operators are to inform their supporting Maintenance Element of equipment contaminated lubricants for diagnosis or fault rectification.

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Table 2 Initial, Minor and Major Servicing for Trailers and Semi-Trailers

Serial	Operation	Servicing			Performed by	
		Initial	Minor	Major	Dvr	Veh Mech
(a)	(b)	I	(d)	(e)	(f)	(g)
1.	Check for serviceability: electrical leads, connectors and lights; air and vacuum hoses and hose coupling ends; decking; tie-down rails; load gates and gate sockets; springs and shackles; shock absorbers and axle suspension; towing eyes and safety chains; king-pin and turntable key; and skid plate and skid plate-mounting bolts.	I/Y I/Y I/Y I/Y I/Y I/Y I/Y I/Y/L I/Y/L I/Y	I/Y I/Y I/Y I/Y I/Y I/Y I/Y/L I/Y/L I/Y	I/Y I/Y I/Y I/Y I/Y I/Y/L I/Y/L I/Y	X X X X X X	X X X X X X X X X
2.	Check brake system, shoes and drums for serviceability (in conjunction with Serial 5).		I	I		X
3.	Check brake system for air, vacuum or fluid leaks.	I/T	I/T	I/T		X
4.	Check wheel bearing adjustment without dismantling.	T	T			X
5.	Inspect, repack and adjust wheel bearings. (2)			I/L/A		X
6.	Drain, flush and refill hydraulic brake system. (1)		B/E/A	B/E/A		X
7.	Adjust brakes.	I/A	I/A	I/A		X
8.	Lubricate in accordance with OEM servicing instructions.	I/E	I/E	E	X	
9.	Conduct road test to ensure correct operation of lights, brakes and trailer tracking.	T	T	T		X
10.	Record the service, on completion, in Part 2(b) of the GM 120.and record the service in MILIS	D	D	D		X

Legend:

A – Adjust, B – Bleed, C – Calibrate/Gauge/Measure, D – Document, E – Evacuate/Drain and Refill, G – Replace, I – Inspect and or Correct, L – Lubricate, M – Modify, N – Clean, O – Overhaul, P – Paint (Major), Q – Paint (Minor), R – Repair, S – Service, T – Test/Tune, U – Check and Top Up Y – Tighten/Free Up.

Notes:

- The brake and clutch systems are to be drained, flushed, refilled and bled every 12 months refer to EMEI Vehicle A 459-2.
- Oil filled hubs are to be checked on a major service, oil changed every alternate major service and fully inspected every 80 000 kms.

END

Distribution List: VEH G 01.0 - Code 1 (Maint Code)
(Sponsor: CGSV SPO,)
(ECO CGSVSPO 083/10:)