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TRUCK, 4 TONNE, 4 X 4, BEDFORD MJ (ALL VARIANTS)

MAINTENANCE SCHEDULE (JOINT SERVICE)

This publication contains information covering the requirements of
Category 6-0 at information levels 1 and 2.

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PREFACE

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INTRODUCTION

1 Service users should forward any comments on this publication through the channels prescribed in AESP 0100-P-011-013. An AESP Form 10 is provided at the end of this publication; it should be photocopied and used for forwarding comments on this AESP.

2 AESPs are issued under Defence Council authority and where AESPs specify action to be taken, the AESP will of itself be sufficient authority for such action and also for the demanding of the necessary stores.

RELATED AND ASSOCIATED PUBLICATIONS

Related Publications

3 The Octad for the subject equipment consists of the publications shown opposite. All references are prefixed with the first eight digits of this publication. The availability of the publications can be checked by reference to the relevant Group Index (see AESP 0100-A-001-013).

Category/Sub-category			Information Level			
			1 User/ Operator	2 Unit Maintenance	3 Field Maintenance	4 Base Maintenance
1	0	Purpose and Planning Information	101	*	*	*
	1	Equipment Support Policy Directives	*	*	*	*
2	0	Operating Information	201	201	201	201
	1	Aide-Memoire	*	*	*	*
	2	Training Aids	*	*	*	*
3		Technical Description	*	302	302	302
4	1	Installation Instructions	411	411	*	*
	2	Preparation for Special Environments	421	421	*	*
5	1	Failure Diagnosis	*	512	512	512
	2	Repair Instructions	*	522	523	523
	3	Inspection Standards	*	532	533	533
	4	Calibration Procedures	*	*	*	*
6		Maintenance Schedules	601	601	*	*
7	1	Illustrated Parts Catalogues	711	711	711	711
	2	Commercial Parts Lists	*	721	721	721
	3	Complete Equipment Schedule, Production	*	*	*	*
	4	Complete Equipment Schedule, Service Edition (Simple Equipment)	*	*	*	*
	5	Complete Equipment Schedule, Service Edition (Complex Equipment)	*	*	*	*
8	1	Modification Instructions	811	811	811	*
	2	General Instructions, Special Technical Instructions and Servicing Instructions	*	821	821	*
	3	Service Engineered Modification Instructions (RAF only)	*	*	*	*

*Category/Sub-category not published

Associated Publications

4	Reference	Title
	JSP 800 Vol 5	Joint Service Road Transport Regulations
	AP 3260 Book 1	Mechanical Transport Maintenance Regulations for the Royal Air Force
	AP 3260 Book 3	Mechanical Transport – General Orders
	AGAI Vol 4	Equipment and Stores – Periodic REME Examination
	EMER Test and Measurement A 028 Chap 650	Inspection and Testing of Lifting Equipment
	AC 60503 (PAM 2)	Material Regulations for the Army Vol 2 Equipment Support Pamphlet No. 2
	AC 61418	Truck Fuel Servicing Tactical Mk 5, 5A and 5B - Specialist
	AD 8288/B5	Daily Servicing for Truck Fuel Servicing
	AD 8269/c10	Servicing Schedule for Vehicles with Winterising Equipment
	AP 4545L Volume 2	Mechanical Transport - General Orders and Modifications - Mobile Cranes

AESP 2300-A-050-013	B Vehicle Test, Inspection and Certification
AESP 2300-A-300-532	B Vehicle Cab Corrosion Inspection Standards
AESP 2320-A-100-Octad	Degassing, Cleaning, Examination and Repair of Truck Fuel Servicing and Bulk Fuelling Equipment
AESP 2320-L-100-Octad	Refueller 1000 Gallon Tactical Mk 5, 5A and 5B
AESP 2320-A-310-201	B Vehicle Corrosion Prevention
AESP 25.10-G-100-Octad	Hydraulic Tail Lift Truck Mounted Ratcliff (All Variants)
AESP 2510-E-400-Octad	Body Tanker Ground Fuel 5000 Litre Roberts
AESP 2510-E-400-Octad	Body Tanker Ground fuel 800 Gallons Roberts
AESP 2530-D-051-Octad	B Vehicle Air Brake Inspection Policy
AESP 4930-C-100-Octad	Tank and Pump Unit Liquid Dispensing Truck Mounting
AESP 4910-E-300-Octad	Analyser Diesel Exhaust Model DX 210 (VL Churchill)

MAINTENANCE SCHEDULE

INTRODUCTION

- 1 This Maintenance Schedule is the authority for carrying out all scheduled maintenance tasks on the subject equipment and takes precedence over any other conflicting publication.
- 2 The person on a unit or formation with delegated responsibility for the specified equipment, who is also competent and experienced in that role, is responsible for ensuring that the operations detailed in this Maintenance Schedule are properly carried out. The operations are only to be carried out by personnel who, through either professional trade training or an equipment specific formal training course, are appropriately qualified. The aforementioned responsible person may also order any operation to be carried out more frequently than specified, if conditions under which the equipment operated render it necessary.
- 3 Scheduled Maintenance is to be recorded in the appropriate equipment document in accordance with single service regulations.
- 4 Serial numbers left blank in the tables may be taken up by amendment action at a later date.

DEFINITIONS

- 5 As far as this document is concerned, the following definitions apply:

5.1 Examine. Carry out a survey of the condition of an item without dismantling, **unless** specifically instructed to do so in the relevant task requirement. The condition of an item may be impaired by the following:

- 5.1.1 Insecurity of attachment.
- 5.1.2 Cracks or fractures.
- 5.1.3 Corrosion, contamination or deterioration.
- 5.1.4 Distortion.
- 5.1.5 Loose or missing fasteners.
- 5.1.6 Chafing, fraying, scoring or wear.
- 5.1.7 Faulty or broken locking devices.
- 5.1.8 Loose clips or packing, obstruction of, or leakage from pipelines.
- 5.1.9 Discolouration due to overheating or leakage of fluids.
- 5.1.10 Damage due to external sources.

5.2 Check. Make a comparison of measurement of time, pressure, temperature, resistance, dimension or other quantity, with known figure.

5.3 Operate. As far as possible, ascertain that the component or system functions correctly without the use of test equipment or reference to measurement.

5.4 Replenish. Refill a container to a predetermined level, pressure or quantity. This includes any necessary cleaning of orifices, examination of caps, covers, gaskets and washers, renewal of locking devices and cleaning of vents.

5.5 Replace. Remove an item and then fit a new or reconditioned item.

WARNINGS, CAUTIONS AND MAINTENANCE NOTES

6 Before any maintenance task is carried out the WARNINGS, CAUTIONS and Maintenance Notes preceding the appropriate table must be read and understood.

MAINTENANCE INTERVALS AND AREAS OF RESPONSIBILITY**NOTE**

The information contained in the tables is equipment specific and should reflect the manufacturer's recommendations and equipment usage.

7 Table 4 – Action on Receipt. The maintenance detailed in Table 4 covers the action taken when the equipment arrives on a unit. These operations will normally be of a once only nature, eg the recording of lifting equipment with the appropriate test authority, actions that are necessary to be undertaken before the equipment is put into service or actions that are only required during the running in period. The maintenance detailed in Table 4 maintenance must be carried out by appropriate trained personnel, as described in Para 2.

8 Table 5 – Out of Phase Maintenance. The maintenance tasks detailed in Table 5 covers tasks that do not fall into line with the time/usage interval requirements of Table 6 or 7. The maintenance detailed in Table 5 maintenance must be carried out by appropriately trained personnel, as described in Para 2.

9 Table 6 – Driver/Operator Maintenance. The maintenance tasks detailed in Table 6, Maintenance Intervals A, B, C and D are to be carried out by appropriately trained personnel, as described in Para 2, as follows:

9.1 A – Daily before use (only on days used).

9.2 B – Daily after use (after the equipment has been operated).

9.3 C – Weekly, whether the equipment is used or not.

9.4 D – Not Applicable.

10 Table 7 – Time/Usage Maintenance. The maintenance detailed in Table 7, Maintenance Interval 1st, A, B, C and D must be carried out by a appropriately trained personnel, as detailed in Para 2, at the following intervals:

10.1 1st – After the first 500 miles (800 km)

10.2 A – Every 6,000 km (10,000 km) or 6 months, whichever occurs first.

10.3 B – Every 12,000 km (20,000 km) or 12 months, whichever occurs first.

10.4 C – Every 24,000 km (40,000 km) or 24 months, whichever occurs first.

10.5 D – Contains the Area Maintenance indicator which may be used, at the discretion of the responsible person identified at Para 2, to carry out Area Maintenance at the appropriate time/usage intervals.

11 Table 8 – Out of use Maintenance. The Out of Use Maintenance in Table 8 is to be carried out in accordance with single service regulations.

TABLE 1 EQUIPMENT APPLICABILITY

Serial (1)	Equipment Asset Code (2)	Designation (3)	Contract Numbers (4)
1	2025-3100	Truck Cargo, 4 Tonne, 4 x 4, with Turbo Charged Engine.	FVE22A/246 FVE22A/295 FVE21B/234
2	2025-8100	Truck Cargo, 4 Tonne, 4 x 4, LHD with Turbo Charged Engine, Bedford MJP2BMO.	FVE22A/246
3	2025-8101	Truck Cargo, 4 Tonne, 4 x 4, LHD Automatic Gearbox with Turbo Charged Engine, Bedford MJP2BMO.	
4	2026-3100	Truck Cargo (Winterised), 4 Tonne, 4 x 4 with Turbo Charged Engine, Bedford MJP2MBO.	FVE22A/414
5	2037-3102	Truck Cargo with 3 Tonne Crane, 4 Tonne, 4 x 4 with Turbo Charged Engine, Bedford MJP2MBO.	FVE22A/414
6	2037-8100	Truck Cargo, 4 Tonne Bedford, with 3 Tonne Crane	
7	2038-3100	Truck Cargo, 4 Tonne Bedford, with 3 Tonne Crane Armament Support	
8	2038-8100	Truck Cargo with 3 Tonne Crane, 4 Tonne, 4 x 4 Armament Support LHD with Turbo Charged Engine, Bedford MJP2MBO.	FVE22A/246
9	2039-3100	Truck Cargo with 3 Tonne Crane, 4 Tonne, 4 x 4 APFC with Turbo Charged Engine, Bedford MJP2MBO.	
10	2043-3101	Truck Cargo 4 Tonne with 3 Tonne Crane (Winterised) Bedford MJP2MBO	
11	2050-3100	Truck Cargo, W/Winch, 4 Tonne, 4 x 4 with Turbo Charged Engine, Bedford MJP2MBO.	FVE22A/246
12	2050-8100	Truck Cargo, W/Winch, 4 Tonne, 4 x 4 LHD with Turbo Charged Engine, Bedford MJP2MBO.	FVE22A/246 FVE22A/328
13	2053-3100	Truck Cargo, W/Winch (Winterised), 4 Tonne, 4 x 4 with Turbo Charged Engine, Bedford MJP2MBO.	FVE22A/410
14	2091-3105	Truck Flat Platform, 4 Tonne, Ptarmigan, Bedford MJP2BMO	
15	2091-3106	Truck Flat Platform, 4 Tonne, Ptarmigan, Bedford MJP2BMO	
16	2091-3100	Truck Flat Platform, 4 Tonne, 4 x 4 with Turbo Charged Engine, Bedford MJP2BMO.	FVE22A/246
17	2091-8100	Truck Flat Platform, 4 Tonne, Bedford MJP2BMO	
18	2091-8101	Truck Flat Platform, 4 Tonne, AWD Bedford MJP2BMO	
19	2091-8105	Truck Flat Platform, 4 Tonne, Ptarmigan, Bedford MJP2BMO	
20	2091-8106	Truck Flat Platform, 4 Tonne, Ptarmigan, LHD Bedford MJP2BMO	
21	2091-8107	Truck Flat Platform, 4 Tonne, Ptarmigan PV, Bedford MJP2BMO	

(continued)

TABLE 1 EQUIPMENT APPLICABILITY (continued)

Serial (1)	Equipment Asset Code (2)	Designation (3)	Contract Numbers (4)
22	2092-3100	Truck Flat Platform (Winterised), 4 Tonne, 4 x 4 with Turbo Charged Engine, Bedford MJP2BMO.	
23	2092-3103	Truck Flat Platform, 4 Tonne, Ptarmigan, Bedford MJP2BMO	
24	2094-3100	Truck Flat Platform with 3 Tonne Crane, 4 Tonne, 4 x 4 with Turbo Charged Engine, MJP2BMO.	
25	2094-8100	Truck Flat Platform with 3 Tonne Crane, 4 Tonne, 4 x 4 with Turbo Charged Engine, MJP2BMO.	
26	2095-3101	Truck Flat Platform, 4 Tonne, Bedford, W/Winch	
27	2095-8101	Truck Flat Platform, 4 Tonne, Bedford, W/Winch	
28	2096-4100	Truck Flat Platform, 4 Tonne, Bedford, FFR W/Winch	
29	2096-8100	Truck Flat Platform, 4 Tonne, Bedford, FFR W/Winch	
30	2205-3101	Truck Cargo, Bulk Fuel (Winterised), 4 Tonne, 4 x 4 with Turbo Charged Engine, Bedford MJP3BMO.	
31	8022-8101	Truck Cargo, 4 Tonne Bedford, with Hydraulic Tail Lift	
32	8025-8102	Truck Cargo, 4 Tonne, 4 x 4, Bedford MJP2BMO	

TABLE 2 FUELS, LUBRICANTS AND ASSOCIATED PRODUCTS

NOTES

- (1) The products listed below are to be used on this equipment. Alternative products must not be used without the approval of an appropriate equipment support manager.
- (2) Oil changes at the -15 deg C point shall only be made in the advice of the responsible person identified at Para 2.
- (3) The capacities listed are to be used as a guide only. A physical check is to be carried out to ensure that all fluid levels are correct. This check should be carried out with the equipment unladen and standing on level ground whenever possible.

Serial (1)	Assembly (2)	Product		Capacity	
		Above -15 deg C (3)	Below -15 deg C (4)	Litres (5)	Pints (6)
1	Engine (inc filters).	OMD 90	OMD 55	12.0	21.0
2	Main gearbox (manual).	OEP 220	OEP 38	3.7	6.6
3	Main gearbox (automatic).	OMD 90	OMD 55	11.0	19.0
4	Transfer gearbox.	OEP 220	OEP 38	3.0	5.5
5	Front axle differential.	OEP 220	OEP 38	3.7	6.5
6	Front axle hubs (per hub).	OEP 220	OEP 38	0.4	0.7
7	Rear axle differential.	OEP 220	OEP 38	3.4	6.0
8	Rear axle hubs (per hub).	OEP 220	OEP 38	0.6	1.0
9	Steering box.	OEP 220	OEP 38	1.2	2.2
10	Power steering unit.	OMD 90	OMD 90	4.5	7.9
11	Brake hydraulic reservoir.	OX 8	OX 8	-	-
12	Compressor anti-freezer.	AL 14	AL 14	-	-
13	Coolant capacity.	AL39/water mix		24.0	42.0
14	Fuel capacity.	Diesel		150	33 gal
15	Windscreen washer reservoir.	AL11/washer		-	-
16	Battery.	De-min water		-	-
17	Battery terminals.	PX 7	PX 7	-	-
18	General greasing.	XG 279	XG 279	-	-
19	General lubrication.	OMD 90	OMD 90	-	-
20	Winch gearbox.	OC 600	OEP 220	9.0	15.8
21	Winch rope (34D 8030-99-549-0384) (For RAF AP 3260, Bk 3, Chap 10-1, Inst 2 refers).	RD 205	RD 205	-	-
22	Winch rope (Army only).	XG 279	XG 279	-	-
23	Crane hydraulic reservoir.	OM 33	OM 33	-	-
24	Tail lift reservoir.	OM 33	OM 18	-	-
25	CALM greasing.	XG 276	XG 276	-	-

TABLE 3 EQUIPMENT DATA

Serial (1)	Item (2)	Detail (3)	
	ADJUSTMENTS		
1	Valve clearances (hot).	Inlet: 0.3 mm	(0.012 in.)
		Exhaust: 0.3 mm	(0.012 in.)
2	Water pump/alternator drive belts.	13 mm (0.5 in.) at centre of longest run.	
3	Clutch pedal free play.	25.4 mm	(1 in.)
4	Clutch and brake pedal height settings (top of pedal arms to under side of toe panel).	25.4 mm	(1 in.)
5	Front wheel alignment.	1.6 to 4.8 mm (1/16 to 3/16 in.) Toe-in	
6	Engine idling speed.	500 to 550 rev/min	
7			
8			
	TORQUE SETTINGS		
9	Steering drop arm nuts.	170 Nm	(126 lbf ft)
10	Steering power cylinder.	54 Nm	(40 lbf ft)
11	Hydraulic pump bolts.	58 Nm	(43 lbf ft)
12	Wheel nuts.	544 Nm	(405 lbf ft)
13	Rocker shaft bolts.	58 Nm	(43 lbf ft)
14	Propeller shaft flange bolts.	7/16 in. bolts 75 Nm	(56 lbf ft)
15	Cylinder head bolts.	1/2 in. bolts 260 Nm (192 lbf ft) with lightly oiled threads	
16	Road spring U-bolts.	Front: 129 Nm	(95 lbf ft)
		Rear: 189 Nm	(140 lbf ft)
17			
18			
	TYRES		
19	Manufacturer.	Various	Goodyear
20	Type.	Crossply	Radial (G188/388)
21	Size.	12.00 x 20 14 ply	12.00 R 20
22	Pressures (road):		
	22.1 Front.	3.1 bar (45 lbf/in. ²)	4 bar (58 lbf/in. ²)
	22.2 Rear and spare.	6.2 bar (91 lbf/in. ²)	6 bar (87 lbf/in. ²)
23	Pressures (cross country):		
	23.1 Front.	2.8 bar (41 lbf/in. ²)	3 bar (44 lbf/in. ²)
	23.2 Rear and spare.	5.5 bar (80 lbf/in. ²)	4.5 bar (65 lbf/in. ²)
24			
25			

(continued)

TABLE 3 EQUIPMENT DATA (continued)

Serial (1)	Item (2)	Detail (3)
26	AIR BRAKING SYSTEM	
	Operating pressures:	
	26.1 Governor/Unloader cut-out.	7.1 to 7.4 bar (103 to 107 lbf/in. ²)
	26.2 Low-pressure warning.	5 bar ± 0.34 (73 lbf/in. ² ± 5 lbf/in. ²)
	26.3 Pressure protection.	6.7 bar (97 lbf/in. ²)
27	Load sensing valve (LSV).	See vehicle mounted LSV data plate or LSV setting chart at AESP 2320-H-100-522, Chap 10, Page 9, Para 36.
28		
29		
	DIMENSIONS	
30		
31	Length.	Refer to vehicle data plate.
32	Width.	Refer to vehicle data plate.
33	Height.	Refer to vehicle data plate.
34		
	WEIGHT	
35		
36	Unladen weight.	Refer to vehicle data plate.
37	Gross vehicle weight.	Refer to vehicle data plate.

TABLE 4 ACTION ON RECEIPT

Serial (1)	Action (2)
1	RAF units are to inform their parent lifting machine test centre of any change in the holdings of lifting machines. Such notification is to include the EAC, description, registration mark, certificates available and date of last proof load test or safe working load test.
2	On receipt of Crane or Winch variants, Army units are to inform their parent REME workshop, who will take relevant action in accordance with EMER T&M A 028, Chap 650.

TABLE 5 OUT OF PHASE MAINTENANCE

Serial (1)	Action (2)	Interval (3)
1	Coolant: Check condition and specific gravity. (For RAF AP 3260 Book 3, Chap 1-1, Inst No. 2 refers).	Before winter: (Adjust to local conditions).
2	Check the torque loading of the wheel nuts.	After fitting or changing a road wheel at approx, 20 miles (32 kms), or after 30 mins driving.
3	For crane or platform (if fitted). A full functional test of the platform and its emergency systems, is to be carried out by a competent person.	Every 6 months.
4	Adjust crown wheel thrust pads.	48,000 miles (80,000 kms).
5	Replace brake fluid reservoirs (hot tropical climates).	Every 36 months.
6	Engine sump, drain, replace filter element, replenish	Every 3 years or 36,000 miles (60,000 km)

TABLE 6 DRIVER/OPERATOR MAINTENANCE

Before driving this vehicle or operating any fitted equipment, personnel are to read and understand the Warnings, Cautions and Operating Instructions detailed in category 201 of this AESP.

The following WARNINGS/CAUTIONS and Maintenance Notes must be read and understood before commencing these maintenance tasks.

WARNINGS

- (1) **PERSONAL INJURY. FUELS, OILS, LUBRICANTS AND ASSOCIATED PRODUCTS ARE HARMFUL TO SKIN AND BODY. ALL PERSONNEL ARE TO CONSULT THEIR CONTROL OF SUBSTANCES HAZARDOUS TO HEALTH (COSHH) BEFORE CARRYING OUT ANY MAINTENANCE OR REPLENISHMENT ACTIVITY ON THIS VEHICLE. TO MINIMISE RISKS OF EXPOSURE, WEAR APPROPRIATE PROTECTIVE CLOTHING, USE BARRIER CREAMS AND PAY ATTENTION TO PERSONAL HYGIENE. THE MINIMUM TREATMENT AFTER SKIN CONTACT IS TO WASH THE AFFECTED AREA WITH SOAP AND WATER. SEEK MEDICAL ATTENTION IF ANY OF THESE PRODUCTS ARE INGESTED.**
- (2) **PERSONAL INJURY. ON VEHICLES FITTED WITH POWER TAKE OFF (PTO) FOR DRIVING SPECIALIST EQUIPMENT, ENSURE THAT THE PTO IS OUT OF GEAR AND THAT THE ENGINE IS STOPPED BEFORE WORKING ON OR CHANGING COMPONENTS.**
- (3) **PERSONAL INJURY. OPERATORS ARE TO ENSURE THAT THERE ARE NO PERSONNEL OR EQUIPMENT WITHIN THE LIFTING AND MOVEMENT AREAS OF THE CRANE.**
- (4) **PERSONAL INJURY. BARE HAND CONTACT OF STEEL WIRE ROPES IS TO BE AVOIDED AT ALL TIMES.**
- (5) **PERSONAL INJURY NEVER HANDLE A WIRE ROPE WHEN ANYONE ELSE IS AT THE CONTROLS.**

CAUTIONS

- (1) **EQUIPMENT DAMAGE. If the vehicle has not been run for one month or longer, prime the turbo charger bearings with 50 cm³ (2 fl oz) of clean OMD 90 before starting the engine. To be carried out by an MT Mech/MT Tech, or VM only.**
- (2) **EQUIPMENT DAMAGE. Before stopping the engine after a long hard run at sustained high speed, it is important to allow the engine to idle for a minimum of one minute to assist in heat dissipation from the turbo charger and exhaust manifold.**
- (3) **EQUIPMENT DAMAGE. When winching, set parking brake and chock wheels.**
- (4) **EQUIPMENT DAMAGE. The wire rope is to always spool off the bottom of the drum.**
- (5) **EQUIPMENT DAMAGE. Do not winch with less than 5 wraps of wire rope around the drum.**
- (6) **EQUIPMENT DAMAGE. Always fully deploy and lock the crane outrigger legs before operating the crane boom arm.**
- (7) **EQUIPMENT DAMAGE. Before slewing the crane arm, ensure that it has been sufficiently raised to clear the payload.**
- (8) **EQUIPMENT DAMAGE. Whilst operating the crane, ensure that the vertical column does not collide with any part of the payload.**

(continued)

TABLE 6 DRIVER/OPERATOR MAINTENANCE (continued)

(9) EQUIPMENT DAMAGE. Do not attempt to fill or top up a hot engine with cold coolant.

(10) EQUIPMENT DAMAGE. The batteries must never be disconnected when the engine is running.

(11) EQUIPMENT DAMAGE. This vehicle is fitted with rh and lh threaded wheel studs.

MAINTENANCE NOTES

- (1) Should the brake fluid reservoirs need constant replenishing the vehicle is to be placed unserviceable and checked for brake fluid leaks.
- (2) If the brake air reservoir automatic drain valve fails to operate the vehicle is to be placed unserviceable maintenance to be carried out by appropriately trained personnel.
- (3) The hydraulic oil level must be checked before crane operation is started. This is to be carried out with the crane folded and the vehicle on level ground. The correct level lies between the two holes in the sight glass of the crane oil tank. This level does not remain constant during crane operations.
- (4) The tail lift is to be maintained in accordance with AESP 2510-G-100-Octad.

Serial (1)	Task (2)	Fig/ Item No. (3)	Product (4)	Maintenance Interval			
				A (5)	B (6)	C (7)	D (8)
1	Examine vehicle for obvious signs of damage.			X		X	
2	Ensure that the vehicle has sufficient fuel, oil, and coolant for the journey or task. Replenish as necessary.			X		X	
3	Windscreen and windows: Examine for clarity and damage.			X			
4	Rear view mirrors: Examine for cracks and deterioration of reflective surfaces.			X			
5	Seat belts and attachments: Examine for serviceability, damage and security of attachment.			X			
6	Instruments and gauges: Check function of all instruments and gauges.			X			
7	Tyre pressures (including spare wheel): Check.			X		X	
8	Tyres (including spare wheel): Examine for cuts, damage and uneven wear. Check tread depth.			X		X	
9	Wheel nuts: Check tightness of all wheel nuts to the recommended torque loading. (See Table 5 Serial 2)					X	
10	Spare Wheel: Examine for security of attachment.			X			
11	Air cleaner restriction indicator: Examine (if this shows red, the air cleaner is to be serviced).					X	
12	Windscreen washer reservoir: Check fluid level and replenish as necessary.			X		X	

(continued)

TABLE 6 DRIVER/OPERATOR MAINTENANCE (continued)

Serial (1)	Task (2)	Fig/ Item No. (3)	Product (4)	Maintenance Interval			
				A (5)	B (6)	C (7)	D (8)
13	Fire extinguishers: Ensure vehicle is fitted with serviceable fire extinguishers.			X			
14	Towing hitches: Examine and ensure that locking latch is free, locking pins are in place and attached by securing chains.			X		X	
15	Low air pressure warning devices: Operate.			X		X	
16	Brake line anti-freezer: Check level and replenish as necessary.		AL 14	X		X	
17	Batteries: Examine and replenish level as necessary.		De-min water			X	
18	Fan belts: Examine, ensure correct tension.					X	
19	Brake hydraulic reservoirs: Check level. (See Maintenance Note 1)		OX 8			X	
20	Brake adjustment indicator rod: Check to see if the groove (painted red) on the indicator rod is visible. If visible, the vehicle is to be placed unserviceable.					X	
21	Brake air reservoir automatic drain valve: Operate. (See Maintenance Note 2)					X	
22	Examine the vehicle for signs of fluid or air leaks.					X	
23	Winch: Operate to disperse oil.				X		
24	Winch ropes: Ensure the following:						
	24.1 The rope reeve (eye) is undamaged.			X			
	24.2 The rope is free from fraying.			X			
	24.3 The rope is not kinked.			X			
	24.4 The rope is not excessively corroded.			X			
	24.5 The rope is laid evenly on the drum.			X			
25	CALM: Examine and ensure correct stowage.			X	X	X	
26	CALM stabilising legs: Examine for damage and hydraulic oil leaks.			X		X	
27	CALM hydraulic system: Examine, particularly for hydraulic oil leaks.					X	
28	CALM hydraulic oil reservoir: Check level and replenish as necessary. (See Maintenance Note 3)					X	
29	CALM: Operate throughout its range and ensure controls return to neutral when released.		OM 33			X	

(continued)

TABLE 6 DRIVER/OPERATOR MAINTENANCE (continued)

Serial (1)	Task (2)	Fig/ Item No. (3)	Product (4)	Maintenance Interval			
				A (5)	B (6)	C (7)	D (8)
30	Hydraulic tail lift: Maintain in accordance with AESP 2150-G-100-601. (See Maintenance Note 4)					X	
31	Enhanced Seating (if fitted)						
	31.1 Seat Belts: Examine, check security of mountings and ensure correct operation. Check for chafing, fraying, scoring or wear. Replace if necessary.			X			
	32.2 Ratchet Straps: Examine, ensure correct operation. Check for chafing, fraying, scoring or wear. Replace if necessary.			X			
	31.3 Luggage Netting: Examine, check for chafing, fraying; scoring or wear. Replace if necessary.			X			
	31.4 Luggage Netting clips and turnbuckles: Examine and check general condition and operation of turnbuckle, checking for corrosion, damage to threads.			X			
	31.5 Latch Mechanism: Examine and check general condition and operation of mechanism.			X			
	31.6 Sword Pins: Examine and check general condition and operation of pin and chain, checking for corrosion.			X			
	31.7 Seat Back and Bases: Examine seats and check for cracks, damaged to mounting points. Replace if necessary.			X			
	31.8 Seat Belt Anchorages: Examine and specifically check for damage to the anchorage bars and welds including cracks, corrosion and being out of form.			X			
	31.9 Frame Assembly: Examine for any damaged paintwork or corrosion.			X			
	31.10 Record completion of above actions in Unit Inspection/Service register. See Annex A to Installation Inst No. 7.			X			
32							
33							
34							

(continued)

TABLE 6 DRIVER/OPERATOR MAINTENANCE (continued)

Serial (1)	Task (2)	Fig/ Item No. (3)	Product (4)	Maintenance Interval			
				A (5)	B (6)	C (7)	D (8)
35	ADP658/FMT658A/FMT1001/FMT1001A (Duty Movement Authorisation/Driver Tasking Sheet) as appropriate: Sign.			X			
36	CES equipment: Examine for serviceability and correct stowage.					X	
37	Static functional test: Carry out to confirm the serviceability of all functions and particularly door locks, windows, seat adjusters, seat- belts and obligatory lights.					X	
38	Mobile functional test: Carry out a short mobile test to confirm the serviceability of all functions of starting, driving through the gears and stopping the vehicle.					X	
39	Make relevant entries into equipment documents AB 562 (Army only).					X	

TABLE 7 TIME/USAGE MAINTENANCE

The following WARNINGS, CAUTIONS and Maintenance Notes must be read and understood before commencing these maintenance tasks.

WARNINGS

- (1) **PERSONAL INJURY.** ALL PERSONNEL ARE TO CONSULT THEIR CONTROL OF SUBSTANCES HAZARDOUS TO HEALTH (COSHH) REGULATIONS BEFORE CARRYING OUT ANY MAINTENANCE OR REPLENISHMENT ACTIVITY ON THIS VEHICLE AND WEAR THE APPROPRIATE PROTECTIVE CLOTHING/BARRIER CREAM.
- (2) **PERSONAL INJURY.** BRAKE/CLUTCH LININGS COULD CONTAIN ASBESTOS. DO NOT BLOW, DUST OR USE A BRUSH TO REMOVE DUST FROM BRAKE AND CLUTCH LININGS. USE CLEAN WET RAGS TO REMOVE DUST AND DEPOSIT WET RAGS INTO A PLASTIC WASTE BAG FOR DISPOSAL. DO NOT GRIND, DRILL OR FILE BRAKE/CLUTCH LININGS UNLESS WORKING IN A VENTILATED BOOTH OR WITH ADEQUATE FILTERED EXTRACTORS.
- (3) **PERSONAL INJURY.** SPRING BRAKE ACTUATORS ARE NOT TO BE DISMANTLED.
- (4) **PERSONAL INJURY.** ON VEHICLES FITTED WITH POWER TAKE OFF (PTO) FOR DRIVING SPECIALIST EQUIPMENT, ENSURE THAT THE PTO IS OUT OF GEAR AND THAT THE ENGINE IS STOPPED BEFORE WORKING ON OR CHANGING COMPONENTS.
- (5) **PERSONAL INJURY.** BARE HAND CONTACT OF STEEL WIRE ROPES IS TO BE AVOIDED AT ALL TIMES.
- (6) **PERSONAL INJURY.** NEVER HANDLE A WIRE ROPE WHEN ANYONE ELSE IS AT THE CONTROLS.

CAUTIONS

- (1) **EQUIPMENT DAMAGE.** If the vehicle has not been run for one month or longer, prime the turbo charger bearings with 50 cm³ (2 fl oz) of clean OMD 90 before starting the engine. To be carried out by an MT Mech/MT Tech, or VM only.
- (2) **EQUIPMENT DAMAGE.** Before stopping the engine after a long hard run at sustained high speed, it is important to allow the engine to idle for a minimum of one minute to assist in heat dissipation from the turbo charger and exhaust manifold.
- (3) **EQUIPMENT DAMAGE.** When winching, set parking brake and chock wheels.
- (4) **EQUIPMENT DAMAGE.** The wire rope is to always spool off the bottom of the drum
- (5) **EQUIPMENT DAMAGE.** Do not winch with less than five wraps of wire rope around the drum.
- (6) **EQUIPMENT DAMAGE.** Always fully deploy and lock the crane outrigger legs before operating the crane boom arm.
- (7) **EQUIPMENT DAMAGE.** Before slewing the crane arm, ensure that it has been sufficiently raised to clear the payload
- (8) **CRANE OPERATION.** Whilst operating the crane, ensure that the vertical column does not collide with any part of the payload.

TABLE 7 TIME/USAGE MAINTENANCE (continued)

MAINTENANCE NOTES

- (1) The filler/drain plug on the rear hubs should be positioned at 3 o'clock when checking and filling.
- (2) When checking axle tracta housings it is necessary to turn the road wheels to a full lock position to clear the filler hole.
- (3) Release air pressure by lifting top wheel of the safety valve prior to draining and replenishing the hydraulic braking system.
- (4) Hydraulic jacks are to be left at maximum height under maximum load for five minutes, then checked for creep.
- (5) A SAFE WORKING LOAD TEST is to be carried out after any operation involving dismantling or repair to the hydraulic system. (For RAF AP 3260 Book 3 Chap 10-1 Gen Inst No. 3 refers) (For Army EMER T & M A028 refers).
- (6) Wire ropes are to be examined by a competent SNCO (EMER T&M A 028 Chap 650 refers).
- (7) For RAF lubricate wire ropes in accordance with AP 3260 Book 3 Chap 10-1 Inst No. 3 - RAF only.
- (8) The tail lift is to be maintained in accordance with AESP 2510-G-100-Octad.
- (9) The hydraulic oil level must be checked before crane operation is started. This is to be carried out with the crane folded and the vehicle on level ground. The correct level lies between the two holes in the sight glass of the crane oil tank. This level does not remain constant during crane operations.
- (10) With the hydraulic tank correctly filled and all rams in the closed position, inflate the tank air pressure to 0.8 bar (12 lbf/in.²).

Serial (1)	Task (2)	Fig/ Item No. (3)	Product (4)	Maintenance Interval				
				1st (5)	A (6)	B (7)	C (8)	D (9)
	ENGINE							
1	Engine assembly: Examine, check for oil/water leaks.	8	OMD 90	X	X	X	X	1
2	Engine oil: Drain and replenish, renew oil filter. Refer to Table 5, Note 6.			X			X	1
3								
4	Valve clearances: Check adjustment. (VM)			X		X	X	1
5	Fuel filter element: Replace.			X			X	1
6	Engine idle speed: Check and adjust. (VM)			X		X	X	1
7	Fan belts: Examine, check tension and adjust if necessary. (VM)			X	X	X	X	1
8	Air cleaner: Check restriction indicator.			X	X	X		1
9	Air cleaner: Clean, renew element.						X	1
10	Engine controls: Examine, and lubricate.		OMD 90	X	X	X	X	1

(continued)

TABLE 7 TIME/USAGE MAINTENANCE (continued)

Serial (1)	Task (2)	Fig/ Item No. (3)	Product (4)	Maintenance Interval				
				1st (5)	A (6)	B (7)	C (8)	D (9)
11	Exhaust system: Examine.			X		X	X	1
12	Turbocharger: Examine. (VM)			X		X	X	1
13	Inlet and exhaust manifolds: Examine.			X		X	X	1
14	Cooling system: Check level and replenish as necessary (See Table 5 Serial 1).		AL 39 water/mix	X		X	X	1
15	Radiator, pipes and hoses: Examine for leaks and security of attachment.			X		X	X	1
16	Engine mountings: Examine and check security of mounting bolts. (VM)			X		X	X	1
17	Fuel tank, pipes and hoses: Examine particularly for security of attachment, leaks and chafing.			X		X	X	1
18	Fuel lift pump: Examine.			X		X	X	1
19	Fuel lift pump: Clean gauze filter.			X		X	X	1
20	Injection pump: Examine.			X		X	X	1
21	Cold start device: Examine and operate.			X		X	X	1
22	Fuel sediment bowl: Drain, clean and examine.			X	X	X	X	1
23	Injectors: Examine. (VM)					X	X	1
24	Exhaust emissions: Check using smoke emission meter.			X		X	X	1
25								
26								
27								
	STEERING AND SUSPENSION							
28	Steering box: Examine, and check adjustment. (VM)			X		X	X	2
29	Steering box: Check oil level and replenish as necessary.	2	OEP 220	X	X	X	X	2
30	Front wheel alignment: Check adjustment as necessary. (VM)			X		X	X	2
31	Steering drop arm: Check torque. (VM)			X	X	X	X	2
32	Steering column: Examine.			X		X	X	2
33	Steering arms, linkages and ball joints: Examine, ensure that all locking devices are serviceable and in place.			X		X	X	2
34	Steering drag link ball joints: Lubricate (two points).	3-6	XG 279	X	X	X	X	2

(continued)

TABLE 7 TIME/USAGE MAINTENANCE (continued)

Serial (1)	Task (2)	Fig/ Item No. (3)	Product (4)	Maintenance Interval				
				1st (5)	A (6)	B (7)	C (8)	D (9)
35	Steering track rod ball joints: Lubricate (two points).	7-27	XG 279	X	X	X	X	2
36	Road springs: Examine.			X		X	X	2
37	Front and rear spring U-bolt nuts: Examine and check torque loading. (VM)			X		X	X	2
38	Shock absorbers: Examine.			X		X	X	2
39	Rebound pads: Examine.			X		X	X	2
40	Road wheels (including spare): Examine for damage.			X		X	X	2
41	Road wheel nuts: Check torque loading.			X	X	X	X	2
42	Tyres (including spare): Examine for cuts, other damage, tread depth, uneven wear and tyre pressures.			X	X	X	X	2
43								
44								
45	TRANSMISSION							
46	Front axle: Examine and check oil level, replenish as necessary.	30	OEP 220		X	X		3
47	Front axle: Examine, drain oil and replenish.	30	OEP 220	X			X	3
48	Rear axle oil: Examine check oil level and replenish as necessary.	15	OEP 220		X	X		3
49	Rear axle: Examine, drain oil and replenish.	15	OEP 220	X			X	3
50	Rear axle hubs: Check oil level and replenish as necessary. (See Maintenance Note 1)	16-19	OEP 220		X	X		3
51	Rear axle hubs: Drain and replenish (See Maintenance Note 1)	16-19	OEP 220	X			X	3
52	Front and rear axle breathers: Clean.					X	X	3
53	Rear wheel bearings: Check for correct adjustment. (VM)			X		X		3
54	Rear wheel bearings: Remove, clean, examine, lubricate and adjust. (VM)	16-19	XG-279				X	3
55	Front axle tracta joint housings: Check oil level and replenish as necessary. (See Maintenance Note 2)	4-29	OEP 220		X	X		3
56	Front axle tracta joint housings: Drain, replenish (See Maintenance Note 2).	4-29	OEP 220	X			X	3

(continued)

TABLE 7 TIME/USAGE MAINTENANCE (continued)

Serial (1)	Task (2)	Fig/ Item No. (3)	Product (4)	Maintenance Interval				
				1st (5)	A (6)	B (7)	C (8)	D (9)
57	Front wheel bearings: Check for correct adjustment. (VM)	5-28	XG 279	X		X		3
58	Front wheel bearings: Remove, clean, examine, lubricate and adjust. (VM)						X	3
59	Clutch pedal linkage: Check free play and adjust as necessary. (VM)			X	X	X	X	3
60	Clutch linkage: Lubricate.	24	OMD 90	X	X	X	X	3
61	Gearbox: Examine.			X		X	X	3
62	Gearbox oil: Check oil level and replenish as necessary.				X	X		3
63	Gearbox oil: Drain and replenish.	24	OEP 220	X			X	3
64	Gearbox breather: Clean.	11-20-22-23-26	XG 279			X	X	3
65	Propeller shafts: Examine, check for security, lubricate universal joints and splines (nine points).			X	X	X	X	3
66	Transfer gearbox and mountings: Examine. (VM)			X		X	X	3
67	Transfer gearbox oil: Check oil level and replenish as necessary.	13	OEP 220		X	X		3
68	Transfer gearbox oil: Drain and replenish.	13	OEP 220	X			X	3
69	Transfer gearbox linkage: Examine and lubricate (four points).	25	XG 279	X	X	X	X	3
70	BRAKES							
71								
72								
73					X	X	X	4
74				X	X	X	X	4
75				X	X	X	X	4
76				X	X	X		4
77							X	4

(continued)

TABLE 7 TIME/USAGE MAINTENANCE (continued)

Serial (1)	Task (2)	Fig/ Item No. (3)	Product (4)	Maintenance Interval				
				1st (5)	A (6)	B (7)	C (8)	D (9)
78	Trailer connections: Examine and ensure correct operation.			X	X	X	X	4
79	Brake load sense valve: Examine. Check valve setting. (VM)			X			X	4
80	Brake master cylinder: Examine.	10		X	X	X	X	4
81	Brake fluid reservoirs: Examine, replenish as necessary. (See Table 5 Serial 5)	10	OX 8	X	X	X	X	4
82	Brake fluid: Renew. (VM)	10	OX 8				X	4
83	Transmission brake: Examine, adjust brake shoes. (VM)			X		X		4
84	Transmission brake: Examine. Check brake shoes for wear, adjust. (VM)						X	4
85	Transmission brake: Examine, adjust brake cables if required. (VM)			X		X	X	4
86	Brake pedal linkage and hand controls: Examine, ensure free movement and correct operation.			X		X	X	4
87	Tyre inflator: Examine, ensure correct operation.			X		X	X	4
88	Compressor anti-freezer: Examine, replenish as required.		AL 14	X	X	X	X	4
89	Brake system: Carry out a roller brake test or decelerometer test (For RAF in accordance with AP 3260 Book 3 Chap 4-1 Gen inst No. 1). AESP 2300-A-050-013 (VM)(Army Refers).			X	X	X	X	4
90								
91								
92								
	ELECTRICS							
93	Batteries: Examine. Clean terminals and smear with protective grease. Check electrolyte level, replenish as necessary.		PX-7 De-min water	X	X	X	X	5
94	Battery stowage area: Examine, restore surface finish as necessary.			X	X	X	X	5
95	Starter motor: Examine.			X		X	X	5
96	Alternator: Examine. Check output voltage. (VMNE)			X		X	X	5
97	Electrical wiring, junction boxes and conduits: Examine for signs of burning, chafing or other damage and for security of attachment.			X	X	X	X	5

(continued)

TABLE 7 TIME/USAGE MAINTENANCE (continued)

Serial (1)	Task (2)	Fig/ Item No. (3)	Product (4)	Maintenance Interval				
				1st (5)	A (6)	B (7)	C (8)	D (9)
98	Lamps, horn, windscreen wipers and washers, direction indicators and hazard flashers: Examine. Ensure correct operation.	X		X	X	X	X	5
99	Instruments, gauges and transmitters: Examine. Ensure correct operation.			X	X	X	X	5
100	Heaters and demisters: Examine and operate.			X	X	X	X	5
101	Reflectors: Examine.			X	X	X	X	5
102	Switches and warning devices: Examine and operate.			X	X	X	X	5
103	Relays and electrical accessories: Examine and operate.			X		X	X	5
104	Master switch: Examine and operate.			X	X	X	X	5
105	Fuses: Examine. Ensure correct rating.			X	X	X	X	5
106	Fuse holders: Examine.			X	X	X	X	5
107	Cold start device: Examine and operate.			X	X	X	X	5
108	Headlight alignment check and adjust: (For RAF in accordance with AP 3620 Bk 3 Chap 5-1, Gen Inst 1)(VM/VE).			X		X	X	5
109								
110								
111								
	CAB, BODY AND CHASSIS							
112	Chassis and cab: Thoroughly clean exterior, examine for any damaged paintwork or corrosion, rectify as necessary, in accordance with AESP 2300-A-310-201.	X	XG 279	X			X	6
113	Cab door hinges: Lubricate (four points).			X	X	X	X	6
114	Cab doors, pillars, floor, steps, wings bumpers, registration marker and legal plates: Examine.			X	X		X	6
115	Seat belts: Examine, check security of mounting bolts and ensure correct operation.		OMD 90	X		X	X	6
116	Seats, slides and adjusters: Examine and lubricate.			X		X	X	6
117	Windscreen and windows: Examine.			X	X	X	X	6
118	Mirrors and pivot arms: Examine.			X	X	X	X	6
119	Wiper arms and blades: Examine.			X	X	X	X	6

(continued)

TABLE 7 TIME/USAGE MAINTENANCE (continued)

Serial (1)	Task (2)	Fig/ Item No. (3)	Product (4)	Maintenance Interval				
				1st (5)	A (6)	B (7)	C (8)	D (9)
120	Lubrication: General lubrication of all controls, levers, linkages, pivots, pins, locks, catches and hinges.	17-31	XG 279 OMD 90	X	X	X	X	6
121	Spare wheel carrier: Examine, operate and lubricate.		XG 279	X	X	X	X	6
122	Body side boards and tail gate: Examine. Ensure locking devices are serviceable and securely attached by chain. Lubricate.		OMD 90	X	X	X	X	6
123	Front and rear towing pintle: Examine and ensure locking catch is free, locking pins are in position and attached with securing chains. Lubricate pintle to shaft housing as required.		XG 279 OMD 90	X	X	X	X	6
124	Gaiters and protective covers: Examine.			X		X	X	6
125	Vehicle jack: Operate throughout its range on the vehicle for which it is issued. (See Maintenance Note 4)			X		X	X	6
126	Carry out a veh inspection report in accordance with AESP 2300-A-300-532. (VM) (Not RAF vehicles).					X		6
127								
128								
129								
	WINCH							
130	Winch mountings: Examine.	21	OC 600	X		X	X	6
131	Winch mechanism: Examine.			X		X	X	6
132	Winch gearbox oil: Check level and replenish as necessary. (See Table 2)	21	OC 600		X	X		6
133	Winch gearbox oil: Drain and replenish. (See Table 2).	21	OC 600	X			X	6
134	Winch rope: Maintain as per the following. (See Maintenance Notes 6 and 7)							6
	134.1 Examine the rope throughout its working length for fraying, signs of corrosion and kinks.			X	X	X	X	6
	134.2 Ensure that the rope anchorage is secure and not excessively worn.			X	X	X	X	6
	134.3 Examine the guides and rollers for damage and free rotation.			X	X	X	X	6
	134.4 Ensure that the rope is laid evenly on the drum.			X	X	X	X	6
	134.5 Examine the rope reeve (eye) for damage.			X	X	X	X	6

(continued)

TABLE 7 TIME/USAGE MAINTENANCE (continued)

Serial (1)	Task (2)	Fig/ Item No. (3)	Product (4)	Maintenance Interval				
				1st (5)	A (6)	B (7)	C (8)	D (9)
	134.6 Ensure that the safe working load tag is fitted to the rope.			X	X	X	X	6
	134.7 Winch rope: Lubricate. (See Maintenance Note 7)			X	X	X	X	6
135	Winch: Operate.			X		X	X	6
136	Winch rollers, pay on gear and pulleys: Lubricate.	1-9- 12- 14- 18	XG 279	X	X	X	X	6
137	Winch mechanism: Check adjustments. (VM)			X		X	X	6
138	Winch load limiter warning lamp, horn and engine cut off wiring: Examine.			X		X	X	6
139	Winch brake: Ensure the winch brake operating air valve breather is free of any mud, road dirt.				X	X	X	6
140								
141	CALM							
142	Crane assembly: Examine. (See Maintenance Notes 5)			X		X	X	6
143	Crane stabilising legs: Operate and examine.			X		X	x	6
144	Crane hydraulic rams: Examine.			X		X	X	6
145	Crane hydraulic reservoir: Check oil level and replenish as necessary. (See Maintenance Notes 5, 9 and 10)		OM 33		X	X		6
146	Crane hydraulic reservoir: Drain, clean filter element, clean magnetic rod and replenish. (See Maintenance Notes 5, 9 and 10)		OM 33	X			X	6
147	Crane hydraulic pipes/hoses: Examine. (VM)			X		X	X	6
148	Crane hydraulic valves and controls: Examine.			X		X	X	6
149	Crane PTO/hydraulic pump: Examine.			X		X	X	6
150	Crane: Lubricate.	40 to 53	XG 276 OMD 90	X	X	X	X	6
151	CALM: Operate all modes.			X		X	X	6
152								
153								

(continued)

TABLE 7 TIME/USAGE MAINTENANCE (continued)

Serial (1)	Task (2)	Fig/ Item No. (3)	Product (4)	Maintenance Interval				
				1st (5)	A (6)	B (7)	C (8)	D (9)
154	TAIL LIFT Tail lift: Examine tail lift ropes and anchorages in accordance with EMER Wksp B 017. (See Maintenance Notes 5, 6, 7 and 8)					X	X	6
155								
156	Tail lift: Maintain in accordance with AESP 2510-G-100-Octad.			X	X	X	X	6
157								
	TIPPER							
158	Tipper body and ram pivots: Lubricate.		XG 276		X	X	X	6
159	ENHANCED SEATING SYSTEM							
	159.1 Seat Belts: Examine, check for chafing, fraying, scoring or wear, security of mountings and ensure correct operation. Replace if necessary.				X	X	X	6
	159.2 Ratchet Straps: Examine, ensure correct operation. Check for chafing, fraying, scoring or wear. Replace if necessary.				X	X	X	6
	159.3 Luggage Netting: Examine, check for chafing, fraying, scoring or wear. Replace if necessary.				X	X	X	6
	159.4 Luggage Netting clips and turnbuckle: Examine and check general condition and operation of turnbuckle, checking for corrosion, damage to threads. Lubricate.		OMD 90		X	X	X	6
	159.5 Latch Mechanism: Examine and check general condition and operation of mechanism. Lubricate latch thread, pivot pin and internals of mechanism		XG 279		X	X	X	6
	159.6 Sword Pins: Examine and check general condition and operation of pin and chain, checking for corrosion.		OMD 90		X	X	X	6
	159.7 Seat Back and Bases: Examine seats and check for cracks, damaged to mounting points. Replace if necessary.				X	X	X	6
	159.8 Seat Belt Anchorages: Examine and specifically check for damage to the anchorage bars and welds including cracks, corrosion and being out of form.				X	X	X	6

(continued)

TABLE 7 TIME/USAGE MAINTENANCE (continued)

Serial (1)	Task (2)	Fig/ Item No. (3)	Product (4)	Maintenance Interval				
				1st (5)	A (6)	B (7)	C (8)	D (9)
	159.9 Frame Assembly: Examine for any damaged paintwork or corrosion, rectify as necessary in accordance with AESP 2300-A-310-201.				X	X	X	X
	159.10 Record completion of above actions in Unit Inspection/Servicing register. See Annex A to Installation Inst No. 7.				X			
160	AF G1084A (Worksheet) or STAMA Worksheet (Tradesman and countersigning NCO): Sign. (RAF only)			X	X	X	X	All
161								
162	Road test (NCO MT Technician only): Carry out. (VM)			X	X	X	X	All
163	AF G1084A (Worksheet) or STAMA Worksheet: Insert co-ordinating signature. (RAF only)			X	X	X	X	All
164	Record action in AB 562 (Army only).			X	X	X	X	All
165	Carry out Safety Inspection (AFG 932(b) Part 1 in accordance with AESP 2300-A-050-013 (Army only).				X			
166	Carry out Mandatory Inspection AFG 932 (b) Part 1 and 2 in accordance with AESP 2300 A-050-013 (Army only).					X	X	

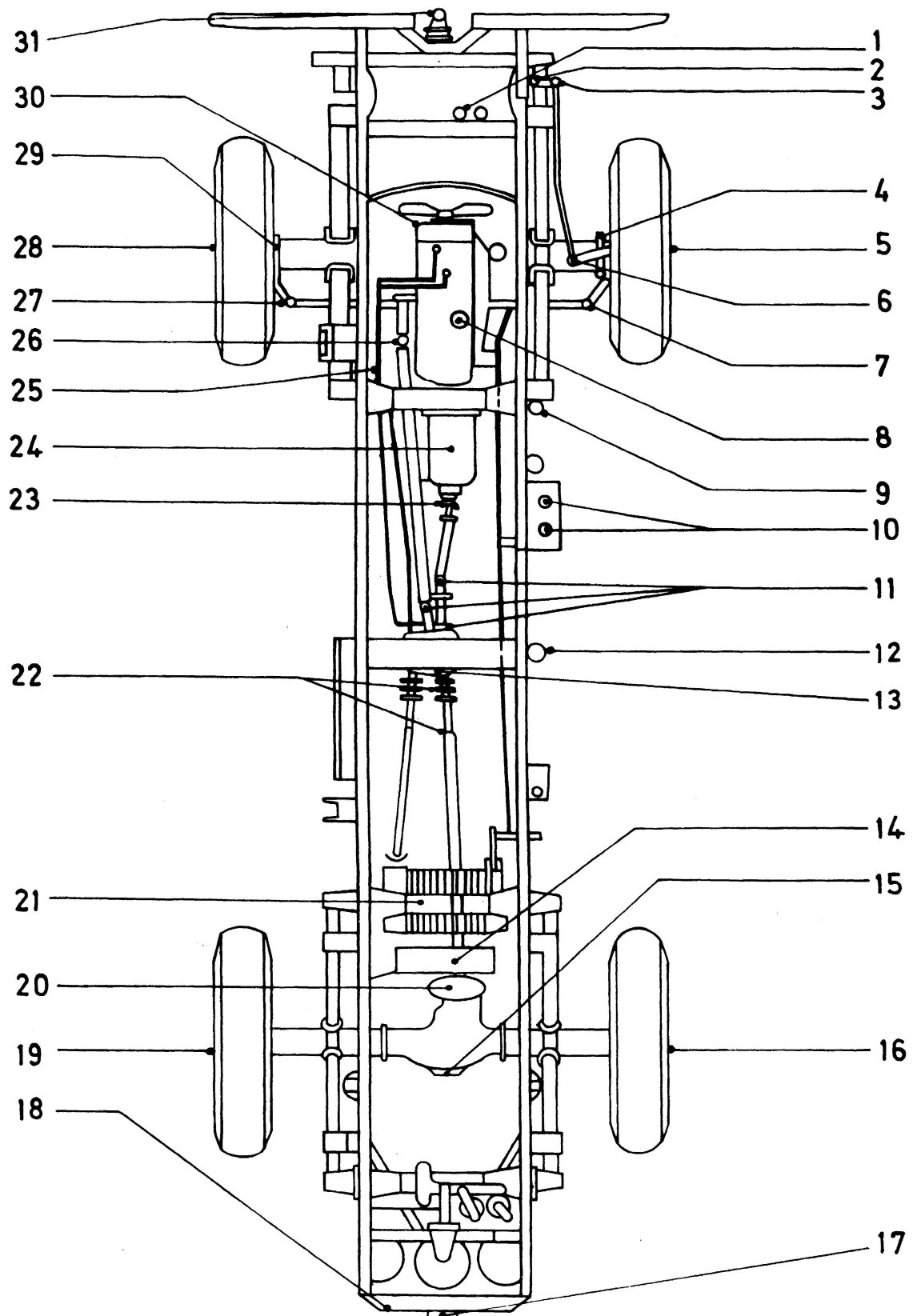
TABLE 8 OUT OF USE MAINTENANCE

WARNINGS, CAUTIONS and Maintenance Notes preceding Tables 5, 6 and 7 must be read and understood before commencing these maintenance tasks.

Serial (1)	Operation (2)	Fig/ Item No (3)	Product (4)
	<p>Prior to vehicle entering storage:</p> <p>1 Carry out Table 6, Columns A, B and C maintenance, check coolant specific gravity and patch paint.</p> <p>2 Carry out next maintenance due if it falls during out of use period.</p> <p>3 Rectify all faults affecting road/task worthiness.</p> <p>4 Fill fuel tanks.</p> <p>5 Isolate batteries by master switch or disconnect earth lead.</p> <p>Monthly whilst vehicle in storage:</p> <p>6 Drain pre-mix tank, flush tank, pump and pipe work with clean water.</p> <p>7 Carry out Table 6, Columns A and B maintenance.</p> <p>8 Operate equipment and all systems.</p> <p>9 Carry out road test over 8 km (5 miles) if possible.</p> <p>10 Update AB562.</p> <p>Action necessary to return equipment into use:</p> <p>11 Carry out Table 6, columns A, B and C maintenance.</p>		

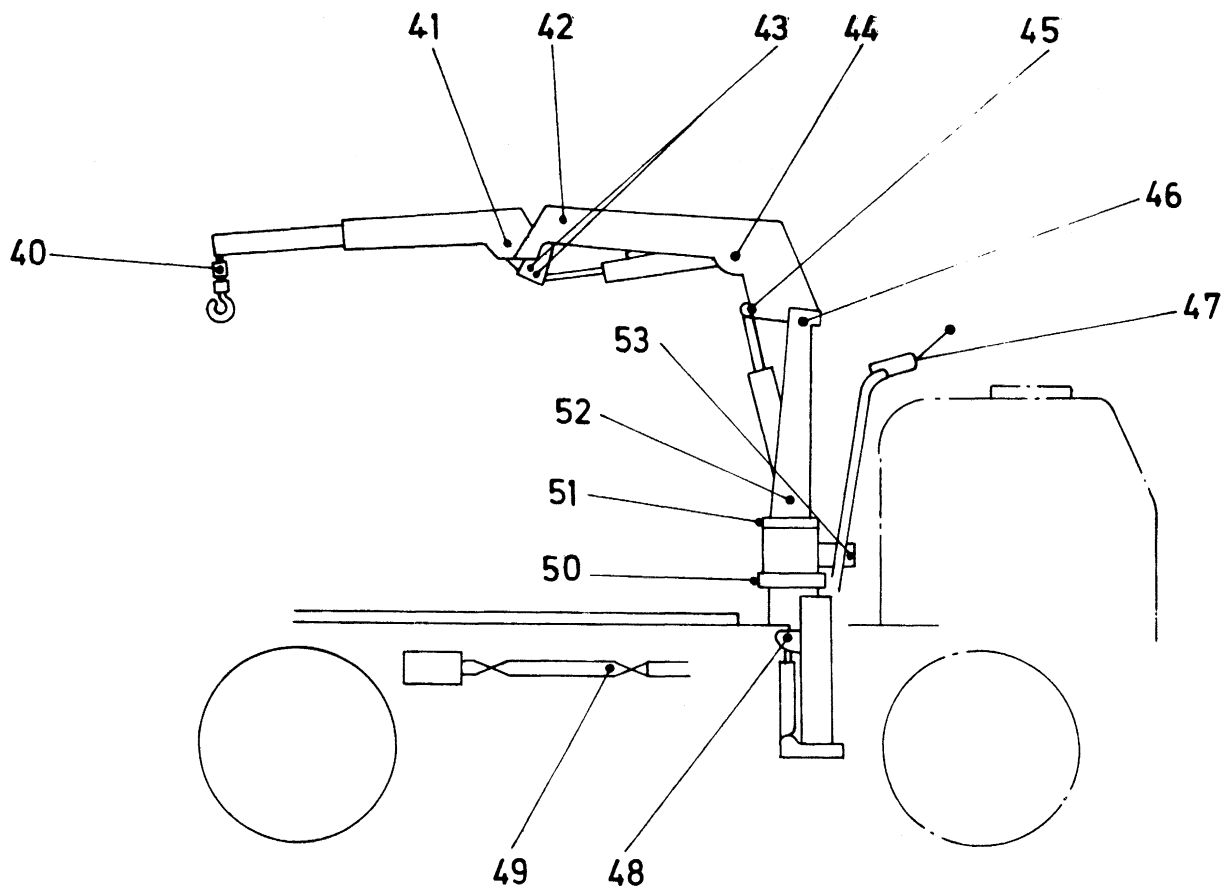
Key to Fig 1

Key No.	Description
1	Winch rollers
2	Steering box
3	Steering drag link ball joints
4	Front tracta housing
5	Front hubs
6	Steering drag link ball joints
7	Steering track rod ball joints
8	Engine oil filler cap
9	Winch rollers
10	Brake master cylinder
11	Propeller shaft universal joints and splines
12	Winch rollers
13	Transfer box
14	Winch pay on gear
15	Rear axle
16	Rear hubs
17	Rear towing pintle
18	Winch pulleys
19	Rear hubs
20	Propeller shaft universal joints and splines
21	Winch assembly
22	Propeller shaft universal joints and splines
23	Propeller shaft universal joints and splines
24	Gearbox assembly
25	Transfer box control linkages
26	Propeller shaft universal joints and splines
27	Steering track rod ball joints
28	Front hubs
29	Front tracta housing
30	Front axle assembly
31	Front towing pintle



V6109/1

Fig 1 Lubrication diagram - vehicle chassis



NOTE

Items 40 to 53 are greasing points

V6172/2

Fig 2 Lubrication diagram - crane

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