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LAND ROVER 90/110/127 ALL VARIANTS  
(excluding APV, SAS, and CRASH RESCUE AMBULANCE)

MAINTENANCE SCHEDULE

(JOINT SERVICE)

BY COMMAND OF THE DEFENCE COUNCIL

*W. J. G. J. J.*

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PREFACE

1 Amendments are identified by marginal side lining.

2 Comments on this publication are to be forwarded in accordance with AESP 0100-P-011-013 to Vehicles and Weapons Branch REME, Chobham Lane, Chertsey, Surrey KT16 0EE.

## 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 Unit Commander/MT Officer is responsible for ensuring that the operations detailed in this Maintenance Schedule are properly carried out. He may order any operation to be carried out more frequently than is specified if the conditions under which the equipment operates render it necessary.

3 Scheduled Maintenance is to be recorded in the appropriate equipment document in accordance with JSP 341, Chap 16, and AP 3260, Book 1, Chap 3 (RAF only).

4 Serials 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. for example, the condition of an item can be impaired by the following:

Note ...

The term Examine does not call for dismantling unless specifically instructed to do so in the relevant Operation.

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 a known figure.

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

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

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 to be undertaken before the equipment is put into service or actions that are only required during the running in period. The tasks are to be carried out by the Tradesmen annotated against the operation.

8 Table 5 - Out of Phase Maintenance. The maintenance detailed in Table 5 covers tasks that do not fall into line with the manufacturers standard time/usage intervals. The tasks are to be carried out by REME or RAF MT/General Electrical Tradesmen unless annotated otherwise.

#### Table 6 - Driver/Operator Maintenance

9.1 The maintenance detailed in Table 6, Columns A, B and C is to be carried out by the driver/operator or their civilian equivalent at the following intervals:

9.1.1 A - Daily before use (only on days used).

9.1.2 B - Daily after use (after the equipment has been operated).

9.1.3 C - Weekly whether the equipment is used or not.

9.2 The maintenance detailed in Table 6, Column D is to be carried out by an Army Driver Class 1 or RAF NCO Driver or their civilian equivalent at least every 3 months.

## 10 Table 7 - Time/Usage Maintenance

10.1 The maintenance detailed in Table 7, Columns 1st, A, B and C is to be carried out at the following intervals:

10.1.1 1st (RAF Initial) - After the first 1,000 miles (1,600 km).

10.1.2 A (RAF Lubrication) - Every 6,000 miles (10,000 km) or 6 months whichever occurs first.

10.1.3 B (RAF Minor) - Every 12,000 miles (20,000 km) or 12 months whichever occurs first.

10.1.4 C (RAF Major) - Every 24,000 miles (40,000 km) or 24 months whichever occurs first. (Not taken up)

10.1.5 Column D contains the Area Maintenance indicator which may be used, at the discretion of the Unit Commander or MT Officer, to carry out Area Maintenance at the appropriate time/usage intervals.

Notes ...

- (1) Vehicles that are on Area maintenance and do less than 6000 miles annually are to have a Lubrication Maintenance at 6 monthly intervals in accordance with AP 3260, Chapter 3.
- (2) The number in the Area Maintenance column indicates which Area is to be carried out.
- (3) The Area Maintenance detailed is to be carried out in conjunction with its associated prime mover/specialist equipment scheduled maintenance if applicable.

10.2 The maintenance detailed in Table 7 will be carried out by:

10.2.1 REME Vehicle Mechanic (VM) where annotated (VM) in the table.

10.2.2 Unit appointed personnel supervised by Army Driver Class 1. Where it is specifically indicated (VM) the task should be undertaken by a REME Tradesman.

10.2.3 RAF MT Mechanic/Technician or General Mechanic/Technician Electrical as appropriate to the operation.

10.2.4 The civilian equivalent of the above tradesmen.

## 11 Table 8 - Out of Use Maintenance

11.1 For RAF equipment, Out of Use vehicles or vehicles in Second Echelon are to be maintained in accordance with AP 3260, Book 1, Chap 1, Para 9 and Chap 2, Para 27. Any specific operation appertaining to this equipment will be listed in Table 8.

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11.2 For Army equipment, this maintenance is to be carried out as follows:

11.2.1 When the equipment is taken out of use for periods exceeding one month on the advice of the local REME advisor/MT Officer.

11.2.2 Any equipment taken out of use for periods exceeding four months is to be put into preservation in accordance with EMER Wheeled Vehicles A 019 Miscellaneous Instruction No 9.

11.2.3 The equipment is to be cleaned, dried and stored under cover where possible.

11.2.4 Any overdue maintenance is to be carried out when the equipment is brought back into use.

TABLE 1 EQUIPMENT APPLICABILITY

Notes ...

- (1) This Maintenance Schedule is applicable to all variants of Car/Truck Utility Light Land Rover fitted with the diesel engine, Car/Truck Medium Land Rover fitted with either the diesel or V8 petrol engine, and the Winterised Car/Truck Utility Light Land Rover.
- (2) The following variants, listed with their associated AESP, are NOT covered by this publication.

| Ser | Equipment Asset Code | Designation   | Contract Numbers |
|-----|----------------------|---|------------------|
| (1) | (2)                  | (3)   | (4)              |
| 1   | 1155-4102            | Car Utility Medium, 4x4, 12 Seater, Land Rover 110, V8 Petrol (AESP 2310-J-101 Octad)     |                  |
| 2   | 1722-4100            | Truck Armoured Patrol, 4x4, Land Rover 110, V8 Petrol, Heavy Duty (AESP 2320-D-120 Octad) |                  |
| 3   | 1725-3100            | Truck Utility SAS, 4x4, Land Rover 110, V8 Petrol (AESP 2320-D-121 Octad)                 |                  |
| 4   | 1046-4101            | Ambulance Crash Rescue, 2/3 Str, 4x4, Land Raover 127 (AESP 2310-R-101-Octad)             |                  |

TABLE 2 FUELS, LUBRICANTS AND ASSOCIATED PRODUCTS

Notes ...

- (1) Oil changes at the -15°C point shall only be made on the advice of the local REME adviser/RAF MT Officer. Changes of grade will normally be recommended when the ambient temperature is expected to fall below -15°C for more than 5 hours per day. Special instructions will apply if the engine has been 'winterised'.
- (2) All fluid capacities are to be checked with the vehicle on stable, level ground and in an unladen condition whenever possible. 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.

| Ser | Assembly/System                                      | Product            |                 | Capacity |          |
|-----|--|--------------------|-----------------|----------|----------|
|     |  | Above -15°C        | Below -15°C     | Litres   | Pints    |
| (1) | (2)  | (3)                | (4)             | (5)      | (6)      |
|     | <u>DIESEL ENGINE</u>                                 |                    |                 |          |          |
| 1   | Engine and filter                                    | OMD 80             | OMD 55          | 6.85     | 12.00    |
| 2   | Engine and filter with oil cooler                    | OMD 80             | OMD 55          | 7.95     | 14.00    |
| 3   | Cooling system                                       | AL39/Water mixture |                 | 10.80    | 19.00    |
| 4   | Gearbox (5 speed LT 77 diesel models)                | 50/50<br>OMD 80    | 60/40<br>OMD 80 | 2.20     | 3.9      |
| 5   | Fuel (diesel models)                                 |                    |                 |          |          |
|     | 5.1 Rear tank (110 model)                            |                    | Dieso           | 79.50    | 17.5 gal |
|     | 5.2 Side tank (110 model)                            |                    | Dieso           | 45.50    | 10.0 gal |
|     | 5.3 Side tank (90 model)                             |                    | Dieso           | 54.50    | 12.0 gal |
|     | <u>V8 PETROL ENGINE</u>                              |                    |                 |          |          |
| 6   | Engine and filter                                    | OMD 80             | OMD 55          | 5.66     | 10.00    |
| 7   | Cooling system                                       | AL39/Water mixture |                 | 12.80    | 22.50    |
| 8   | Carburettor dash pots                                | OMD 80             | OMD 55          |          |          |
| 9   | Gearbox (5 speed LT 85 lightweight V8 petrol models) | OMD 80             | OMD 80          | 3.0      | 5.28     |

(continued)



TABLE 2 FUELS, LUBRICANTS AND ASSOCIATED PRODUCTS (continued)

| Ser | Assembly/System                        | Product                             |                | Capacity |          |
|-----|--|-------------------------------------|----------------|----------|----------|
|     |  | Above<br>-15°C                      | Below<br>-15°C | Litres   | Pints    |
| (1) | (2)                                    | (3)                                 | (4)            | (5)      | (6)      |
| 10  | Fuel (petrol models)                   |                                     |                |          |          |
|     | 10.1 Rear tank (110 model)             | Civgas or unleaded                  |                | 79.50    | 17.5 gal |
|     | 10.2 Side tank (110 model)             | Civgas or unleaded                  |                | 45.50    | 10.0 gal |
|     | 10.3 Side tank (90 model)              | Civgas or unleaded                  |                | 54.50    | 12.0 gal |
|     | <u>COMMON ITEMS</u>                    |                                     |                |          |          |
| 11  | Transfer gearbox                       | OEP 220                             | OEP 38         | 2.80     | 4.90     |
| 12  | Front axle differential                | OEP 220                             | OEP 38         | 1.70     | 3.00     |
| 13  | Rear axle differential<br>(90 models)  | OEP 220                             | OEP 38         | 1.70     | 3.00     |
| 14  | Rear axle differential<br>(110 models) | OEP 220                             | OEP 38         | 2.38     | 4.00     |
| 15  | Swivel pin housing (each)              | OEP 220                             | OEP 38         | 0.30     | 0.60     |
| 16  | Steering box (manual)                  | OEP 220                             | OEP 38         | 0.43     | 0.75     |
| 17  | Power steering system                  | OMD 80                              | OMD 80         | 2.90     | 5.00     |
| 18  | Brake/Clutch reservoir                 | OX 8                                | OX 8           |          |          |
| 19  | Windscreen washers                     | Windscreen Fluid/<br>AL11/Water Mix |                | -        | -        |
| 20  | Batteries                              | PX 7/Demin Water                    |                |          |          |
| 21  | General greasing                       | XG 279                              | XG 279         |          |          |
| 22  | Oil can lubrication                    | OMD 80                              | OMD 80         |          |          |

TABLE 3 EQUIPMENT DATA (DIESEL MODELS)

| Ser | Item  | Detail                             |                  |
|-----|---|------------------------------------|------------------|
| (1) | (2)   | (3)                                |                  |
|     | <u>ADJUSTMENTS</u>  |                                    |                  |
| 1   | Alternator belt (12 and 24 volt)  | 10 mm                              | (0.4 in.)        |
| 2   | Power steering pump belt  | 12 mm                              | (0.5 in.)        |
| 3   | Tapet clearance (hot or cold):  |                                    |                  |
|     | Inlet   | 0.25 mm                            | (0.010 in.)      |
|     | Exhaust   | 0.25 mm                            | (0.010 in.)      |
| 4   | Front wheel alignment (toe out)   | 1.2 mm - 2.4 mm (3/64-3/32 in.)    |                  |
| 5   | Engine idling speed   | 700 ± 50 rev/min                   |                  |
| 6   | Axle hub end float  | 0.05 mm - 0.1 mm (0.002-0.004 in.) |                  |
| 7   | Injector break-off pressure   | 135 atmospheres                    |                  |
| 8   | Steering lock stops with tracta joint gaiters and irrespective of tyre fitted         | 56 mm                              | (2.2 in.)        |
| 9   | Steering lock stops without tracta joint gaiters and fitted with the following tyres: |                                    |                  |
|     | 9.1 Michelin XS and Avon Rangers  | 54 mm                              | (2.125 in.)      |
|     | 9.2 All other types   | 51 mm                              | (2 in.)          |
| 10  |   |                                    |                  |
|     | <u>TORQUE WRENCH SETTINGS</u>   |                                    |                  |
| 11  | Cylinder head nuts and bolts  | 115 - 130 Nm (85 - 96 lbf ft)      |                  |
| 12  | Timing belt tensioner:  |                                    |                  |
|     | New belt  | 24 - 29 Nm                         | (17 - 21 ibf ft) |
|     | Used belt   | 19 - 24 Nm                         | (14 - 18 lbf ft) |
| 13  | Front axle swivel bearing pre-load  | 5.4 - 6.7 Nm (4 - 5 lbf ft)        |                  |
| 14  | Wheel nuts (front and rear)   | 108 Nm                             | (80 lbf ft)      |
| 15  |   |                                    |                  |

(continued)

TABLE 3 EQUIPMENT DATA (DIESEL MODELS) (continued)

| Ser | Item   | Detail  |
|-----|--|---|
| (1) | (2)  | (3)   |
|     | <u>TYRES</u>   |   |
| 16  | Size   | 7.50 R 16 Radial tubed  |
| 17  | Pressures:   |   |
|     | 17.1 Emergency soft:   | Unladen                      Laden                              |
|     |  | Front      Rear      Front      Rear                            |
|     | 90 Models  | 1.1 bar    1.1 bar    1.1 bar    1.6 bar                        |
|     |  | 16 lbf/    16 lbf/    16 lbf/    23 lbf/                        |
|     |  | in <sup>2</sup> in <sup>2</sup> in <sup>2</sup> in <sup>2</sup> |
|     | 110 Models   | 1.1 bar    1.1 bar    1.1 bar    1.8 bar                        |
|     |  | 16 lbf/    16 lbf/    16 lbf/    26 lbf/                        |
|     |  | in <sup>2</sup> in <sup>2</sup> in <sup>2</sup> in <sup>2</sup> |
|     | Emergency soft pressures should only be used in extreme conditions where extra flotation is required. MAX speed 40 km/h (25 mile/h). Return pressures to normal immediately firm ground is regained. |   |
|     | 17.2 Normal use:   | Front                      Rear                                 |
|     | 90 models fitted with  | 1.9 bar                      2.75 bar                           |
|     | 7.50 x 16 radial ply tyres   | 28 lbf/in <sup>2</sup> 40 lbf/in <sup>2</sup>                   |
|     | 110 models fitted with   | 1.9 bar                      3.3 bar                            |
|     | 7.50 x 16 radial ply tyres   | 28 lbf/in <sup>2</sup> 48 lbf/in <sup>2</sup>                   |
|     | 90 models fitted with  | 1.9 bar                      2.4 bar                            |
|     | 7.50 x 16 cross ply tyres  | 28 lbf/in <sup>2</sup> 35 lbf/in <sup>2</sup>                   |
|     | 110 models fitted with   | 1.9 bar                      2.9 bar                            |
|     | 7.50 x 16 cross ply tyres  | 18 lbf/in <sup>2</sup> 42 lbf/in <sup>2</sup>                   |
|     | These tyre pressures are applicable for all conditions of load for normal use.   |   |
|     | <u>WEIGHTS</u>   |   |
| 18  | Unladen weights 110 models:  |   |
|     | 18.1 Soft top 12 volt  | 1740 kg                      3837 lb                            |
|     | 18.2 Hard top 12 volt  | 1760 kg                      3880 lb                            |
|     | 18.3 Hard top 12/24 volt   | 1745 kg                      3848 lb                            |
|     | 18.4 Hard top 12/24 volt FFR   | 1900 kg                      4189 lb                            |

(continued)

TABLE 3 EQUIPMENT DATA (DIESEL MODELS) (continued)

| Ser | Item                              | Detail  |         |
|-----|-----------------------------------|---------|---------|
| (1) | (2)                               | (3)     |         |
| 19  | Unladen weights 90 models:        |         |         |
|     | 19.1 Soft top 12 volt             | 1580 Kg | 3483 lb |
|     | 19.2 Car Utility 7 Seater         | 1630 kg | 3594 lb |
| 20  | Gross vehicle weights 110 models: |         |         |
|     | 20.1 Front axle                   | 1200 kg | 2646 lb |
|     | 20.2 Rear axle                    | 1850 kg | 4078 lb |
|     | 20.3 Total                        | 3050 kg | 6724 lb |
| 21  | Gross vehicle weights 90 models:  |         |         |
|     | 21.1 Front axle                   | 1200 kg | 2646 lb |
|     | 21.2 Rear axle                    | 1500 kg | 3307 lb |
|     | 21.3 Total                        | 2550 kg | 5621 lb |
| 22  |                                   |         |         |
| 23  |                                   |         |         |

(continued)

TABLE 3 EQUIPMENT DATA (V8 PETROL MODELS) (continued)

| Ser | Item  | Detail   |
|-----|---|--|
| (1) | (2)   | (3)  |
|     | <u>ADJUSTMENTS</u>  |  |
| 24  | 24.1 Power steering belt  | 4 - 6 mm (0.19-0.25 in.)<br>deflection   |
|     | 24.2 Alternator belt:   |  |
|     | New belt  | Tension to 380-420 N (85-90 lbf)<br>Run engine at 1500 rev/min for 3-5<br>minutes and recheck. If necessary<br>re-adjust to 335-380 N (75-85 lbf)  |
|     | Run-in belt   | Tension to 335-380 N (75-85 lbf)   |
|     | 24.3 Fan belt:  |  |
|     | New belt  | Tension to 400-445 N (90-100 lbf)<br>Run engine at 1500 rev/min for 3-5<br>minutes and recheck. If necessary<br>re-adjust to 355-400 N (80-90 lbf) |
|     | Run-in belt   | Tension to 355-400 N (80-90 lbf)   |
| 25  | Ignition Timing   | TDC dynamic and static   |
| 26  | Spark plug gap  | RN 12YC 0.72-0.88 mm (0.028-0.035<br>in.)  |
| 27  | Distributor air gap   | 0.2 - 0.35 mm (0.008-0.014 in.)  |
| 28  | Idling speed  | 700 - 750 rev/min  |
| 29  | Exhaust CO at idle  | 1 - 2% with pulsair connected.   |
| 30  | Front wheel alignment (toe out)   | 1.2 - 2.4 mm (3/64 - 3/32 in.)   |
| 31  | Axle hub end float  | 0.05 - 0.1 mm (0.002 - 0.004 in.)  |
| 32  | Steering lock stops with tracta<br>joint gaiters and irrespective of<br>tyre fitted.        | 56 mm (2.2 in.)  |
| 33  | Steering lock stops without tracta<br>joint gaiters and fitted with the<br>following tyres: |  |
|     | 33.1 Michelin XS and Avon Rangers   | 54 mm (2.125 in.)  |
|     | 33.2 All other types  | 51 mm (2 in.)  |
| 34  |   |  |

(continued)

TABLE 3 EQUIPMENT DATA (V8 PETROL MODELS) (continued)

| Ser                        | Item   | Detail  |                            |  |       |  |       |      |       |      |         |         |         |         |                            |                            |                            |                            |
|----------------------------|--|---|----------------------------|--|-------|--|-------|------|-------|------|---------|---------|---------|---------|----------------------------|----------------------------|----------------------------|----------------------------|
| (1)                        | (2)  | (3)   |                            |  |       |  |       |      |       |      |         |         |         |         |                            |                            |                            |                            |
|                            | <u>TORQUE WRENCH SETTINGS</u>  |   |                            |  |       |  |       |      |       |      |         |         |         |         |                            |                            |                            |                            |
| 35                         | Cylinder head:   |   |                            |  |       |  |       |      |       |      |         |         |         |         |                            |                            |                            |                            |
|                            | Outer row  | 54 - 61 Nm (40 - 45 lbf ft)   |                            |  |       |  |       |      |       |      |         |         |         |         |                            |                            |                            |                            |
|                            | Centre row and Inner row   | 88 - 95 Nm (65 - 70 lbf ft)   |                            |  |       |  |       |      |       |      |         |         |         |         |                            |                            |                            |                            |
| 36                         | Wheel nuts (front and rear)  | 108 Nm (80 lbf ft)  |                            |  |       |  |       |      |       |      |         |         |         |         |                            |                            |                            |                            |
| 37                         | Front axle swivel bearing pre-load   | 5.4 - 6.7 Nm (4 - 5 lbf ft)   |                            |  |       |  |       |      |       |      |         |         |         |         |                            |                            |                            |                            |
| 38                         |  |   |                            |  |       |  |       |      |       |      |         |         |         |         |                            |                            |                            |                            |
|                            | <u>TYRES</u>   |   |                            |  |       |  |       |      |       |      |         |         |         |         |                            |                            |                            |                            |
| 39                         | Size   | 7.50 R 16 Radial tubed  |                            |  |       |  |       |      |       |      |         |         |         |         |                            |                            |                            |                            |
| 40                         | Pressures:   |   |                            |  |       |  |       |      |       |      |         |         |         |         |                            |                            |                            |                            |
|                            | 40.1 Emergency soft  | <table border="0"> <tr> <td colspan="2">Unladen</td> <td colspan="2">Laden</td> </tr> <tr> <td>Front</td> <td>Rear</td> <td>Front</td> <td>Rear</td> </tr> <tr> <td>1.1 bar</td> <td>1.1 bar</td> <td>1.1 bar</td> <td>1.8 bar</td> </tr> <tr> <td>16 lbf/<br/>in<sup>2</sup></td> <td>16 lbf/<br/>in<sup>2</sup></td> <td>16 lbf/<br/>in<sup>2</sup></td> <td>26 lbf/<br/>in<sup>2</sup></td> </tr> </table> | Unladen                    |  | Laden |  | Front | Rear | Front | Rear | 1.1 bar | 1.1 bar | 1.1 bar | 1.8 bar | 16 lbf/<br>in <sup>2</sup> | 16 lbf/<br>in <sup>2</sup> | 16 lbf/<br>in <sup>2</sup> | 26 lbf/<br>in <sup>2</sup> |
| Unladen                    |  | Laden   |                            |  |       |  |       |      |       |      |         |         |         |         |                            |                            |                            |                            |
| Front                      | Rear   | Front   | Rear                       |  |       |  |       |      |       |      |         |         |         |         |                            |                            |                            |                            |
| 1.1 bar                    | 1.1 bar  | 1.1 bar   | 1.8 bar                    |  |       |  |       |      |       |      |         |         |         |         |                            |                            |                            |                            |
| 16 lbf/<br>in <sup>2</sup> | 16 lbf/<br>in <sup>2</sup>   | 16 lbf/<br>in <sup>2</sup>  | 26 lbf/<br>in <sup>2</sup> |  |       |  |       |      |       |      |         |         |         |         |                            |                            |                            |                            |
|                            | Emergency soft pressures should only be used in extreme conditions where extra flotation is required. MAX speed 40 km/h (25 mile/h). Return pressures to normal immediately firm ground is regained. |   |                            |  |       |  |       |      |       |      |         |         |         |         |                            |                            |                            |                            |
|                            | 40.2 Normal Use:   |   |                            |  |       |  |       |      |       |      |         |         |         |         |                            |                            |                            |                            |
|                            |  | Front   | 1.9 bar                    |  |       |  |       |      |       |      |         |         |         |         |                            |                            |                            |                            |
|                            |  | Rear  | 3.3 bar                    |  |       |  |       |      |       |      |         |         |         |         |                            |                            |                            |                            |
|                            |  |   | 28 lbf/in <sup>2</sup>     |  |       |  |       |      |       |      |         |         |         |         |                            |                            |                            |                            |
|                            |  |   | 48 lbf/in <sup>2</sup>     |  |       |  |       |      |       |      |         |         |         |         |                            |                            |                            |                            |
|                            | These tyre pressures are applicable for all conditions of load for normal use.   |   |                            |  |       |  |       |      |       |      |         |         |         |         |                            |                            |                            |                            |
|                            | <u>WEIGHTS</u>   |   |                            |  |       |  |       |      |       |      |         |         |         |         |                            |                            |                            |                            |
| 41                         | Unladen weights:   |   |                            |  |       |  |       |      |       |      |         |         |         |         |                            |                            |                            |                            |
|                            | 41.1 Soft top  | 1698 kg   | 3742 lb                    |  |       |  |       |      |       |      |         |         |         |         |                            |                            |                            |                            |
|                            | 41.2 Hard top  | 1752 kg   | 3861 lb                    |  |       |  |       |      |       |      |         |         |         |         |                            |                            |                            |                            |
| 42                         | Gross vehicle weights:   |   |                            |  |       |  |       |      |       |      |         |         |         |         |                            |                            |                            |                            |
|                            | 42.1 Front axle  | 1200 kg   | 2646 lb                    |  |       |  |       |      |       |      |         |         |         |         |                            |                            |                            |                            |
|                            | 42.2 Rear axle   | 1850 kg   | 4078 lb                    |  |       |  |       |      |       |      |         |         |         |         |                            |                            |                            |                            |
|                            | 42.3 Total   | 3050 kg   | 6724 lb                    |  |       |  |       |      |       |      |         |         |         |         |                            |                            |                            |                            |

TABLE 4 ACTION ON RECEIPT

Table 4 Maintenance is to be carried out in accordance with the instructions shown at Page 2, Para 6 and 7.

| Ser | Action       |
|-----|--------------|
| (1) | (2)          |
|     | NOT TAKEN UP |

TABLE 5 OUT OF PHASE MAINTENANCE

Table 5 Maintenance is to be carried out in accordance with the instructions shown at Page 2, Para 6 and 8.

| Ser | Action   | Interval  |
|-----|--|---|
| (1) | (2)  | (3)   |
| 1   | Drain and replenish oil in the following assemblies:<br>1.1 Gearbox (Remove and clean filter, LT77 only).<br>1.2 Transfer box.<br>1.3 Front and rear axles.<br>1.4 Front axle swivel pin housings.<br>1.5 Lubricate propeller shaft sealed sliding joints. | 24,000 miles<br>(40,000 km)<br>or 2 year<br>whichever<br>occurs first |
| 2   | Renew brake servo filter. (VM)   | 36,000 miles<br>(60,000 km)   |
| 3   | Replace camshaft timing belt. (Diesel only) (VM)   | 48,000 miles<br>(80,000 km)   |
| 4   | During summer months the heater should be operated with a cold engine, for 10 minutes, with the vehicle heating set to "Warm" and in the slowest fan position.   | Monthly   |

TABLE 6 DRIVER/OPERATOR MAINTENANCE

Table 6 Maintenance is to be carried out by the tradesmen and at the intervals shown at Page 2, Sub-Para 9.1 and 9.2 of this publication.

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

WARNINGS ...

- (1) THE HANDBRAKE ACTS ON THE TRANSMISSION, NOT THE REAR WHEELS. WHEN JACKING THE VEHICLE, APPLY HANDBRAKE, ENGAGE FIRST GEAR AND ENSURE THAT THE WHEELS ARE CHOCKED.
- (2) VEHICLES FITTED WITH ELECTRONIC IGNITION CAN CARRY A DANGEROUSLY HIGH VOLTAGE. DO NOT TOUCH THE IGNITION COIL OR THE DISTRIBUTOR CONNECTIONS WITH THE ENGINE RUNNING OR THE IGNITION SWITCHED ON.

Maintenance Note ...

Tyres are not directional, but for optimum performance, fit tyres with the leading centre block facing the direction of rotation.

| Ser | Task   | Maintenance Interval |     |     |     |
|-----|--|----------------------|-----|-----|-----|
|     |  | A                    | B   | C   | D   |
| (1) | (2)  | (3)                  | (4) | (5) | (6) |
| 1   | Examine the vehicle for obvious signs of damage.   | X                    | X   |     | X   |
| 2   | Ensure that the vehicle has sufficient fuel, oil and coolant for the journey or task.  | X                    |     |     | X   |
| 3   | Doors, locks, safety catches and bonnet catches: Examine and operate.  | X                    |     |     | X   |
| 4   | Windscreen and windows: Examine for clarity and damage.  | X                    |     |     | X   |
| 5   | Rear view mirrors: Examine for any cracks and deterioration of reflective surfaces.  | X                    |     |     | X   |
| 6   | Seat belts and attachments: Examine and operate.   | X                    |     |     | X   |
| 7   | Fire extinguisher(s): Ensure vehicle is fitted with serviceable extinguisher(s) (if fitted).   | X                    |     |     | X   |
| 8   | Lamps, horn, windscreen wipers and washers, direction indicators, hazard warning lamps, heaters and demisters, instruments and gauges: Ensure correct operation. | X                    |     |     | X   |
| 9   | Obligatory front and rear lights and headlamps: Examine for damage and operate.  | X                    |     |     | X   |
| 10  | Work lights where fitted: Examine and operate.   | X                    |     |     | X   |
| 11  | Windscreen washer reservoir: Check level and replenish as necessary.   | X                    |     |     | X   |
| 12  | Spare wheel carrier/stowage: Examine for security of attachment and damage.  | X                    |     |     | X   |

(continued)



TABLE 6 DRIVER/OPERATOR MAINTENANCE (continued)

| Ser | Task  | Maintenance Interval |     |     |     |
|-----|---|----------------------|-----|-----|-----|
|     |   | A                    | B   | C   | D   |
| (1) | (2)   | (3)                  | (4) | (5) | (6) |
| 13  | Tyres (including spare wheel): Examine for cuts and other damage, check tread depth. Check tyre pressures. (See Maintenance Note)   | X                    |     |     | X   |
| 14  | Wheels: Visually examine for security.  | X                    |     |     |     |
| 15  | Registration, marker and legal plates: Examine.   | X                    |     |     | X   |
| 16  | Reflectors: Examine for damage and security of attachment.  | X                    |     |     | X   |
| 17  | Towing pintle: Examine and ensure that locking latch is free, locking pins are in place and attached by securing chains.  | X                    |     |     | X   |
| 18  | Special to role type fittings: Examine. (If applicable)   | X                    |     |     | X   |
| 19  | Brakes and steering: Ensure correct operation.  | X                    |     |     | X   |
| 20  | Alternators 12/24 volt drive belts: Examine for fraying and correct tension.  |                      |     | X   | X   |
| 21  | Power steering reservoir where fitted: Check level and replenish as necessary.  |                      |     | X   | X   |
| 22  | Power steering drive belt where fitted: Examine for fraying and correct tension.  |                      |     | X   | X   |
| 23  | Brake and clutch reservoirs: Check level and replenish as necessary. (OX 8)   |                      |     | X   | X   |
| 24  | Batteries: Examine, check electrolyte level and replenish as necessary.   |                      |     | X   | X   |
| 25  | Chassis mounted fuel sediment trap: Drain, then prime sediment trap by operating the lever on fuel lift pump. (Diesel only)   |                      |     |     | X   |
| 26  | CES equipment carried on the vehicle: Examine.  |                      |     |     | X   |
| 27  | Vehicle: Visually examine for obvious damage, oil leaks, fluid leaks and defects.   |                      |     |     | X   |
| 28  | Wheel nuts: Check torque loading.   |                      |     |     | X   |
| 29  | Carry out a static functional test of the vehicle in order to confirm the serviceability of all functions such as door locks, window winders, seat adjusters, seat belts, lights and accessories. |                      |     |     | X   |
| 30  | Carry out a short mobile functional test in order to confirm the serviceability of all functions of starting, driving through the gears and stopping.   |                      |     |     | X   |
| 31  | Coolant check: Check specific gravity of coolant (RAF in accordance with AP 4545, Vol 2, Lflt A9).  |                      |     |     | X   |
| 32  | Air filter restriction indicator: Renew filter element when indicator shows red.  |                      |     |     | X   |
| 33  |   |                      |     |     |     |

(continued)

TABLE 6 DRIVER/OPERATOR MAINTENANCE (continued)

| Ser | Task   | Maintenance Interval |     |     |     |
|-----|--|----------------------|-----|-----|-----|
|     |  | A                    | B   | C   | D   |
| (1) | (2)  | (3)                  | (4) | (5) | (6) |
| 34  | F 658A (MT on Detachment) or 814 (Vehicle Running Record) as appropriate: Sign (RAF only). | X                    |     |     |     |
| 35  | Record Action in AB562 (Army only).  |                      |     |     | X   |
| 36  | AF G1084A (Worksheet) or STAMA 3 monthly worksheet: Sign (RAF only).                       |                      |     |     | X   |

TABLE 7 TIME/USAGE MAINTENANCE

Table 7 Maintenance is to be carried out by the Tradesmen and at the intervals shown at Page 2, Sub-Para 10.1 and 10.2 of this publication.

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

WARNINGS ...

- (1) THE HANDBRAKE ACTS ON THE TRANSMISSION, NOT THE REAR WHEELS. WHEN JACKING THE VEHICLE, APPLY THE HANDBRAKE, ENGAGE FIRST GEAR AND ENSURE WHEELS ARE CHOCKED.
- (2) DO NOT USE AN AIRLINE TO CLEAR BRAKE DUST. BRAKE LININGS CONTAIN ASBESTOS.
- (3) WHEN TWO WHEEL ROLLER BRAKE TESTS ARE CARRIED OUT, THE CENTRE DIFFERENTIAL MUST BE DISENGAGED AND THE TRANSFER BOX MUST BE IN NEUTRAL. WITH ONE AXLE STATIONARY, THE AXLE BEING TESTED MUST NOT BE REVOLVED IN EXCESS OF 5 Km/H (3 mile/h).
- (4) VEHICLES FITTED WITH ELECTRONIC IGNITION CAN CARRY A DANGEROUSLY HIGH VOLTAGE. DO NOT TOUCH THE IGNITION COIL OR THE DISTRIBUTOR CONNECTIONS WITH THE ENGINE RUNNING OR THE IGNITION SWITCHED ON.

CAUTION ...

Diesel engined vehicles must not be operated with the brake servo hose disconnected.

Maintenance Notes ...

- (1) The relative position of the front propeller slip joint is indicated by arrows. The arrows must be in line to position the trunnions correctly.
- (2) Tyres are not directional, but for optimum performance fit tyres with the leading centre block facing the direction of rotation.
- (3) Electronic distributor: When checking the reluctor air gap, a non-ferrous feeler gauge must be used.
- (4) Winterised Versions only:
  - (4.1) When changing to low temperature fuels, ensure that the fuel pump and fuel lines are filled with low temperature fuel.
  - (4.2) When replenishing the engine coolant, warm up the vehicle to normal operating temperature after bleeding the cooling system, then switch on the heater for a short time with the vehicle heating system set to 'Warm' and the slowest fan position.

(continued)

TABLE 7 TIME/USAGE MAINTENANCE (continued)

| Ser                             | Task   | Fig No | Product | Maintenance Period |     |     |     |     |
|---------------------------------|--|--------|---------|--------------------|-----|-----|-----|-----|
|                                 |  |        |         | 1st                | A   | B   | C   | D   |
| (1)                             | (2)  | (3)    | (4)     | (5)                | (6) | (7) | (8) | (9) |
| <u>COMMON ENGINE ACTIVITIES</u> |  |        |         |                    |     |     |     |     |
| 1                               | Engine: Drain engine oil, replace filter and replenish.  | 13     | OMD 80  | X                  | X   | X   |     | 1   |
| 2                               | Engine mountings: Examine.   |        |         | X                  |     | X   |     | 1   |
| 3                               | Air cleaner: Clean and examine dump valve.   |        |         |                    | X   |     |     | 1   |
| 4                               | Air cleaner: Clean and examine dump valve, replace filter element.                                     |        |         |                    |     | X   |     | 1   |
| 5                               | Fuel system: Examine fuel tank(s), fuel lines, taps and connections for leaks, corrosion and chaffing. |        |         | X                  |     | X   |     | 1   |
| 6                               | Coolant system: Examine radiator, mountings and hoses for leaks and security.                          |        |         | X                  |     | X   |     | 1   |
| 7                               | Viscous fan drive: Examine.  |        |         | X                  |     | X   |     | 1   |
| 8                               | Alternator and power steering (where fitted) drive belts: Examine for fraying and check tension. (VM)  |        |         | X                  | X   | X   |     | 1   |
| 9                               | Exhaust system: Examine.   |        |         | X                  |     | X   |     | 1   |
| 10                              | Engine controls: Examine, operate and lubricate.   |        | OMD 80  | X                  | X   | X   |     | 1   |
| 11                              | Flywheel housing: Drain (only if wading plug fitted).  |        |         | X                  | X   | X   |     | 1   |
| 12                              | Exhaust emission: Visually check the density of the exhaust emission.                                  |        |         | X                  | X   | X   |     | 1   |
| 13                              | Engine idling speed: Check and adjust as necessary. (VM)   |        |         | X                  | X   | X   |     | 1   |
| 14                              | Tappets: Check and adjust as necessary. (VM)   |        |         | X                  |     | X   |     |     |
| 15                              |  |        |         |                    |     |     |     |     |
| <u>DIESEL ENGINE ACTIVITIES</u> |  |        |         |                    |     |     |     |     |
| 16                              | Engine timing cover filter: Remove filter, clean with kerosine and refit. (VM)                         |        |         |                    | X   | X   |     | 1   |
| 17                              | Fuel filter(s): Replace.   |        |         | X                  | X   | X   |     | 1   |
| 18                              | Fuel sediment bowl: Drain, clean and refit.  |        |         | X                  | X   | X   |     | 1   |
| 19                              | Fuel lift pump: Examine.   |        |         |                    | X   | X   |     | 1   |
| 20                              | Fuel injection pump: Examine.  |        |         | X                  |     | X   |     | 1   |

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TABLE 7 TIME/USAGE MAINTENANCE (continued)

| Ser | Task  | Fig No | Product | Maintenance Period |     |     |     |     |
|-----|---|--------|---------|--------------------|-----|-----|-----|-----|
|     |   |        |         | 1st                | A   | B   | C   | D   |
| (1) | (2)   | (3)    | (4)     | (5)                | (6) | (7) | (8) | (9) |
| 21  | Fuel injectors: Examine.  |        |         | X                  | X   |     |     | 1   |
| 22  | Fuel injectors: Remove, clean, test and refit. (VM)   |        |         |                    |     | X   |     | 1   |
| 23  | Heater plugs: Remove, clean, and examine. Refit or replace as required. (VM)  |        |         |                    |     | X   |     | 1   |
| 24  | Valve clearances: Check adjustment. (VM)  |        |         | X                  |     | X   |     | 1   |
|     | <u>Mk 6(b) DIESEL ENGINE</u>  |        |         |                    |     |     |     |     |
| 25  | Engine breather system: Remove oil cyclone and depression valve, clean and refit. (VM)                                      |        |         |                    |     | X   |     | 1   |
| 26  | Heater plugs: Remove, clean and examine. Refit or replace as required. (VM)   |        |         |                    |     | X   |     | 1   |
|     | <u>V8 ENGINE ACTIVITIES</u>   |        |         |                    |     |     |     |     |
| 27  | Coil and amplifier: Examine.  |        |         | X                  |     | X   |     | 1   |
| 28  | Distributor cap, ignition wiring and HT leads: Examine.   |        |         | X                  |     | X   |     | 1   |
| 29  | Carburettors: Examine and replenish piston dampers as required.   |        | OMD 80  | X                  | X   | X   |     | 1   |
| 30  | Fuel filter: Replace.   |        |         |                    |     | X   |     | 1   |
| 31  | Electric fuel pumps: Remove, clean, examine, clean filters and refit. (VM)  |        |         |                    |     | X   |     | 1   |
| 32  | Flame traps: Replace flame traps. (VM)  |        |         |                    |     | X   |     | 1   |
| 33  | Crankcase breathing and pulsair systems: Examine and replace check valves as required. Replace engine breather filter. (VM) |        |         |                    |     | X   |     | 1   |
| 34  | Spark plugs: Remove, clean, examine and check adjustment. Refit or replace as required. (VM)                                |        |         |                    |     | X   |     | 1   |
| 35  | Air intake system: Check operation of air intake temperature control. (VM)  |        |         |                    |     | X   |     | 1   |
| 36  |   |        |         |                    |     |     |     |     |
| 37  |   |        |         |                    |     |     |     |     |
| 38  |   |        |         |                    |     |     |     |     |

(continued)

TABLE 7 TIME/USAGE MAINTENANCE (continued)

| Ser | Task  | Fig. No | Product | Maintenance Period |     |     |     |     |
|-----|---|---------|---------|--------------------|-----|-----|-----|-----|
|     |   |         |         | 1st                | A   | B   | C   | D   |
| (1) | (2)   | (3)     | (4)     | (5)                | (6) | (7) | (8) | (9) |
|     | <u>STEERING AND SUSPENSION</u>  |         |         |                    |     |     |     |     |
| 39  | Steering wheel, column, linkages and ball joints: Examine.  |         |         | X                  |     | X   |     | 2   |
| 40  | Steering box: Examine, check oil level and replenish as necessary.  | 1       | OEP 220 | X                  | X   | X   |     | 2   |
| 41  | Steering swivel pin housing: Examine, check oil level and replenish as necessary. (See Table 5)                         | 1       | OEP 220 | X                  | X   | X   |     | 2   |
| 42  | Coil springs, pins, rebound pads and brackets: Examine.   |         |         | X                  |     | X   |     | 2   |
| 43  | Panard rod, radius arms, link rods, bushes and pins: Examine.   |         |         | X                  |     | X   |     | 2   |
| 44  | Anti-roll bar, bushes, ball joints and link assembly: Examine.  |         |         | X                  |     | X   |     | 2   |
| 45  | Fulcrum bracket ball joint: Examine and lubricate.  | 10      | XG 279  | X                  | X   | X   |     | 2   |
| 46  | Shock absorbers, mountings and bushes: Examine.   |         |         | X                  |     | X   |     | 2   |
| 47  | Wheel nuts: Check tightness to recommended torque setting.  |         |         | X                  | X   | X   |     | 2   |
| 48  | Front wheels and tyres: Examine, particularly for correct type of tyre. (See Maintenance Note 2). Check tyre pressures. |         |         | X                  | X   | X   |     | 2   |
|     | <u>Power steering system (where fitted)</u>   |         |         |                    |     |     |     |     |
| 49  | Power steering pump: Examine.   |         |         | X                  |     | X   |     | 2   |
| 50  | Power steering box: Examine.  |         |         | X                  |     | X   |     | 2   |
| 51  | Power steering reservoir: Check oil level and replenish as necessary.   |         | OMD 80  | X                  | X   | X   |     | 2   |
| 52  | Steering damper: Examine.   |         |         | X                  |     | X   |     | 2   |
| 53  | Front wheel hub bearings: Check and adjust as necessary. (VM)   |         |         | X                  |     | X   |     | 2   |
| 54  |   |         |         |                    |     |     |     |     |
| 55  |   |         |         |                    |     |     |     |     |
| 56  | Front wheel alignment: Check and adjust as necessary. (VM)  |         |         | X                  |     | X   |     | 2   |

TABLE 7 TIME/USAGE MAINTENANCE (continued)

| Ser | Task  | Fig No | Product | Maintenance Period |     |     |     |     |
|-----|---|--------|---------|--------------------|-----|-----|-----|-----|
|     |   |        |         | 1st                | A   | B   | C   | D   |
| (1) | (2)   | (3)    | (4)     | (5)                | (6) | (7) | (8) | (9) |
|     | <u>TRANSMISSION</u>   |        |         |                    |     |     |     |     |
| 57  | Gearbox: Examine, drain and replenish.  | 12     | OMD 80  | X                  |     |     |     | 3   |
| 58  | Transfer box: Examine, drain and replenish.   | 11     | OEP 220 | X                  |     |     |     | 3   |
| 59  | Gearbox: Examine, check oil level and replenish as necessary. (See Table 5)   | 12     | OMD 80  |                    | X   | X   |     | 3   |
| 60  | Transfer box: Examine, check oil level and replenish as necessary. (See Table 5)  | 11     | OEP 220 |                    | X   | X   |     | 3   |
| 61  | Gear/transfer box, control levers and linkage: Examine and lubricate.   |        | OMD 80  | X                  | X   | X   |     | 3   |
| 62  | Clutch pedal and operating mechanism: Examine, operate and check free play.   |        |         | X                  |     | X   |     | 3   |
| 63  | Clutch master cylinder: Examine.  |        |         | X                  |     | X   |     | 3   |
| 64  | Clutch hydraulic reservoir: Check fluid level and replenish as necessary.   | 6      | OX 8    | X                  | X   | X   |     | 3   |
| 65  | Propeller shafts: Examine and lubricate. Check security of flange bolts. (See Maintenance Note 1 and Table 5)             | 7      | XG 279  | X                  | X   | X   |     | 3   |
| 66  | Front and rear axles: Examine, check breather pipes for damage. Check oil level and replenish as necessary. (See Table 5) | 4,8    | OEP 220 | X                  | X   | X   |     | 3   |
| 67  | Rear wheels and tyres: Examine, particularly for correct type of tyre. (See Maintenance Note 2) Check tyre pressures.     |        |         | X                  | X   | X   |     | 3   |
| 68  | Wheel nuts: Check tightness to recommended torque setting.  |        |         | X                  | X   | X   |     | 3   |
| 69  | Rear axle hub bearings: Check and adjust as necessary. (VM)   |        |         | X                  | X   | X   |     | 3   |
| 70  |   |        |         |                    |     |     |     |     |
| 71  |   |        |         |                    |     |     |     |     |
|     | <u>BRAKES</u>   |        |         |                    |     |     |     |     |
| 72  | Brake pipes and hoses: Examine.   |        |         | X                  |     | X   |     | 4   |
| 73  | Brake pedal and operating mechanism: Examine, operate and check free play.  |        |         | X                  |     | X   |     | 4   |

(continued)

TABLE 7 TIME/USAGE MAINTENANCE (continued)

| Ser              | Task   | Fig No | Product          | Maintenance Period |     |     |     |     |
|------------------|--|--------|------------------|--------------------|-----|-----|-----|-----|
|                  |  |        |                  | 1st                | A   | B   | C   | D   |
| (1)              | (2)  | (3)    | (4)              | (5)                | (6) | (7) | (8) | (9) |
| 74               | Brake master cylinder: Examine.  |        |                  | X                  |     | X   |     | 4   |
| 75               | Brake vacuum pump (diesel engine): Examine.  |        |                  | X                  |     | X   |     | 4   |
| 76               | Brake servo: Examine. (See Table 5)  |        |                  | X                  |     | X   |     | 4   |
| 77               | Brake hydraulic reservoir: Check level and replenish as necessary.   | 5      | OX 8             | X                  | X   | X   |     | 4   |
| 78               | Handbrake and linkage: Examine and lubricate.  |        | OMD 80           | X                  | X   | X   |     | 4   |
| 79               | Front brake callipers, friction pads and discs: Examine. (VM)  |        |                  | X                  | X   | X   |     | 4   |
| 80               | Rear brakes: Remove drums, clean and examine, check brake linings, examine wheel cylinders, refit drums and adjust brakes as necessary. (VM) |        |                  |                    | X   | X   |     | 4   |
| 81               | Transmission brake: Examine and adjust as necessary. (VM)  |        |                  | X                  | X   | X   |     | 4   |
| 82               |  |        |                  |                    |     |     |     |     |
| 83               |  |        |                  |                    |     |     |     |     |
| 84               | Brake system: Operate. (VM)  |        |                  | X                  | X   | X   |     | 4   |
| 85               | Brake system: Carry out roller brake test or decelerometer test (RAF in accordance with AP 4545, Vol 2, Lft A64). (VM)                       |        |                  |                    | X   | X   |     | 4   |
| <u>ELECTRICS</u> |  |        |                  |                    |     |     |     |     |
| 86               | Batteries: Examine, check electrolyte level and replenish as necessary. Smear terminals with protective.                                     |        | De-min water/PX7 | X                  | X   | X   |     | 5   |
| 87               | Starter motor: Examine for security.   |        |                  | X                  |     | X   |     | 5   |
| 88               | Lamps: Examine, ensure correct operation.  |        |                  | X                  | X   | X   |     | 5   |
| 89               | Warning lamps: Examine, ensure correct operation.  |        |                  | X                  |     | X   |     | 5   |
| 90               | Instruments, gauges and switches: Examine, ensure correct operation.   |        |                  | X                  |     | X   |     | 5   |
| 91               | Windscreen wipers/washers, horn, cab heaters and 24 volt battery charging system: Examine and ensure correct operation.                      |        |                  | X                  | X   | X   |     | 5   |

(continued)



TABLE 7 TIME/USAGE MAINTENANCE (continued)

| Ser | Task  | Fig No | Product | Maintenance Period |     |     |     |     |
|-----|---|--------|---------|--------------------|-----|-----|-----|-----|
|     |   |        |         | 1st                | A   | B   | C   | D   |
| (1) | (2)   | (3)    | (4)     | (5)                | (6) | (7) | (8) | (9) |
| 92  | Fuses: Ensure fuses of correct rating are fitted.   |        |         | X                  |     | X   |     | 5   |
| 93  | Wiring and terminals: Examine.  |        |         | X                  |     | X   |     | 5   |
| 94  | Reflectors: Examine.  |        |         | X                  |     | X   |     | 5   |
| 95  | Alternator 12 volt: Examine for security, check output. (VM)                                |        |         | X                  |     | X   |     | 5   |
| 96  | Alternator 24 volt: Examine for security, check output. (VM)                                |        |         | X                  |     | X   |     | 5   |
| 97  | Headlamp alignment: Check adjustment (RAF in accordance with AP 4545, Vol 2, Lft A13). (VM) |        |         | X                  |     | X   |     | 5   |
| 98  |   |        |         |                    |     |     |     |     |
| 99  |   |        |         |                    |     |     |     |     |
|     | <u>BODY AND CHASSIS</u>   |        |         |                    |     |     |     |     |
| 100 | Body, interior and exterior: Examine.   |        |         | X                  |     | X   |     | 6   |
| 101 | Chassis and cross member bolts: Examine.  |        |         | X                  |     | X   |     | 6   |
| 102 | Doors, locks, hinges and stay: Examine and lubricate.                                       |        | OMD 80  | X                  | X   | X   |     | 6   |
| 103 | Bonnet, lock, hinges and stay: Examine and lubricate.                                       |        | OMD 80  | X                  | X   | X   |     | 6   |
| 104 | Tailboard, hinges, chains and lockpins: Examine and lubricate.                              |        | OMD 80  | X                  | X   | X   |     | 6   |
| 105 | Mudguards and bumper bars: Examine.   |        |         | X                  |     | X   |     | 6   |
| 106 | Tilt frame and canvas cover: Examine.   |        |         | X                  |     | X   |     | 6   |
| 107 | Seat belt mountings, seat belts and buckles: Examine.                                       |        |         | X                  | X   | X   |     | 6   |
| 108 | Seats and seat adjusters: Examine.  |        |         | X                  |     | X   |     | 6   |
| 109 | Wiper arms and blades: Examine.   |        |         | X                  | X   | X   |     | 6   |
| 110 | Rear view mirror(s): Examine.   |        |         | X                  |     | X   |     | 6   |
| 111 | Windscreen and windows: Examine.  |        |         | X                  |     | X   |     | 6   |
| 112 | Gaiters and protective covers: Examine.   |        |         | X                  |     | X   |     | 6   |

(continued)

TABLE 7 TIME/USAGE MAINTENANCE (continued)

| Ser | Task   | Fig No | Product          | Maintenance Period |     |     |     |     |
|-----|--|--------|------------------|--------------------|-----|-----|-----|-----|
|     |  |        |                  | 1st                | A   | B   | C   | D   |
| (1) | (2)  | (3)    | (4)              | (5)                | (6) | (7) | (8) | (9) |
| 113 | Fire extinguisher(s): Ensure fire extinguisher(s) is/are serviceable (if fitted).  |        |                  | X                  |     | X   |     | 6   |
| 114 | Special-to-role type fittings: Examine.  |        |                  | X                  |     | X   |     | 6   |
| 115 | Equipment lockers: Examine.  |        |                  | X                  |     | X   |     | 6   |
| 116 | Rear towing attachment: Examine. Ensure locking latch is free, locking pins in place and attached by securing chains. Lubricate. |        | OMD 80<br>XG 279 | X                  | X   | X   |     | 6   |
| 117 | Legal/warning plates: Examine, check security of attachment.   |        |                  | X                  |     | X   |     | 6   |
| 118 | Oil can lubrication: General lubrication of all catches, controls, pivot pins, locks, linkages and pins.                         |        | OMD 80           | X                  | X   | X   |     | 6   |
| 119 |  |        |                  |                    |     |     |     |     |
| 120 |  |        |                  |                    |     |     |     |     |
|     | <u>WINTERISED VERSION ONLY</u>   |        |                  |                    |     |     |     |     |
| 121 | Cooling system: Drain, flush and replenish.  |        |                  | X                  |     | X   |     | 1   |
| 122 | Heater water radiators: Examine for leaks, corrosion, damage and security of attachment.   |        |                  | X                  |     | X   |     | 1   |
| 123 | Webasto heater: Examine for leaks, damage and security of attachment.  |        |                  | X                  |     | X   |     | 1   |
| 124 | Webasto heater: Clean the combustion air and exhaust pipes. Check CO2 value and adjust as necessary. (VM)                        |        |                  | X                  |     | X   |     | 1   |
| 125 | Intervehicle start socket and cable: Test insulation. (VM)   |        |                  | X                  |     | X   |     | 1   |
| 126 | Vehicle body interior: Examine for condition of insulating panels and matting, and security of attachment.                       |        |                  | X                  |     | X   |     | 1   |
| 127 | Vehicle body exterior: Examine for condition and security of attachment of all screen blinds.                                    |        |                  | X                  |     | X   |     | 1   |
| 128 | Observation hatch: Examine for condition of rubber seal and function of locking mechanism.                                       |        |                  | X                  |     | X   |     | 1   |

(continued)

TABLE 7 TIME/USAGE MAINTENANCE (continued)

| Ser | Task   | Fig No | Product | Maintenance Period |     |     |     |     |
|-----|--|--------|---------|--------------------|-----|-----|-----|-----|
|     |  |        |         | 1st                | A   | B   | C   | D   |
| (1) | (2)  | (3)    | (4)     | (5)                | (6) | (7) | (8) | (9) |
| 129 | Front and rear screen heaters: Examine, ensure correct operation.                |        |         | X                  |     | X   |     | 1   |
| 130 |  |        |         |                    |     |     |     |     |
| 131 |  |        |         |                    |     |     |     |     |
| 132 | Road test: Check steering, brakes and performance (NCO MT Technician only). (VM) |        |         | X                  | X   | X   |     | A11 |
| 133 | Record action in AB 562 (Army only).   |        |         | X                  | X   | X   |     | A11 |
| 134 | Sign AF G1084A or STAMA Worksheet (RAF only).                                    |        |         | X                  | X   | X   |     | A11 |

TABLE 8 OUT OF USE MAINTENANCE

Table 8 Maintenance is to be carried out in accordance with the instructions shown at Page 3, Sub-Para 11.1 and 11.2.

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

| Ser  | Operation  |
|--|--|
| (1)  | (2)  |
| 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9            | <u>Prior to vehicle entering storage:</u>  |
|  | Carry out Table 6, Columns A, B and C maintenance, check coolant specific gravity and patch paint. |
|  | Carry out next maintenance due if it falls during out of use period.                               |
|  | Rectify all faults affecting road/task worthiness.   |
|  | Fill fuel tanks.   |
|  | Isolate batteries by master switch or disconnecting earth lead.                                    |
|  | <u>Monthly whilst vehicle in storage:</u>  |
|  | Carry out Table 6, Columns A and B maintenance.  |
|  | Operate equipment and all systems.   |
| Carry out road test over 8 km (5 miles) if possible. |  |
| Update AB 562.                                       |  |

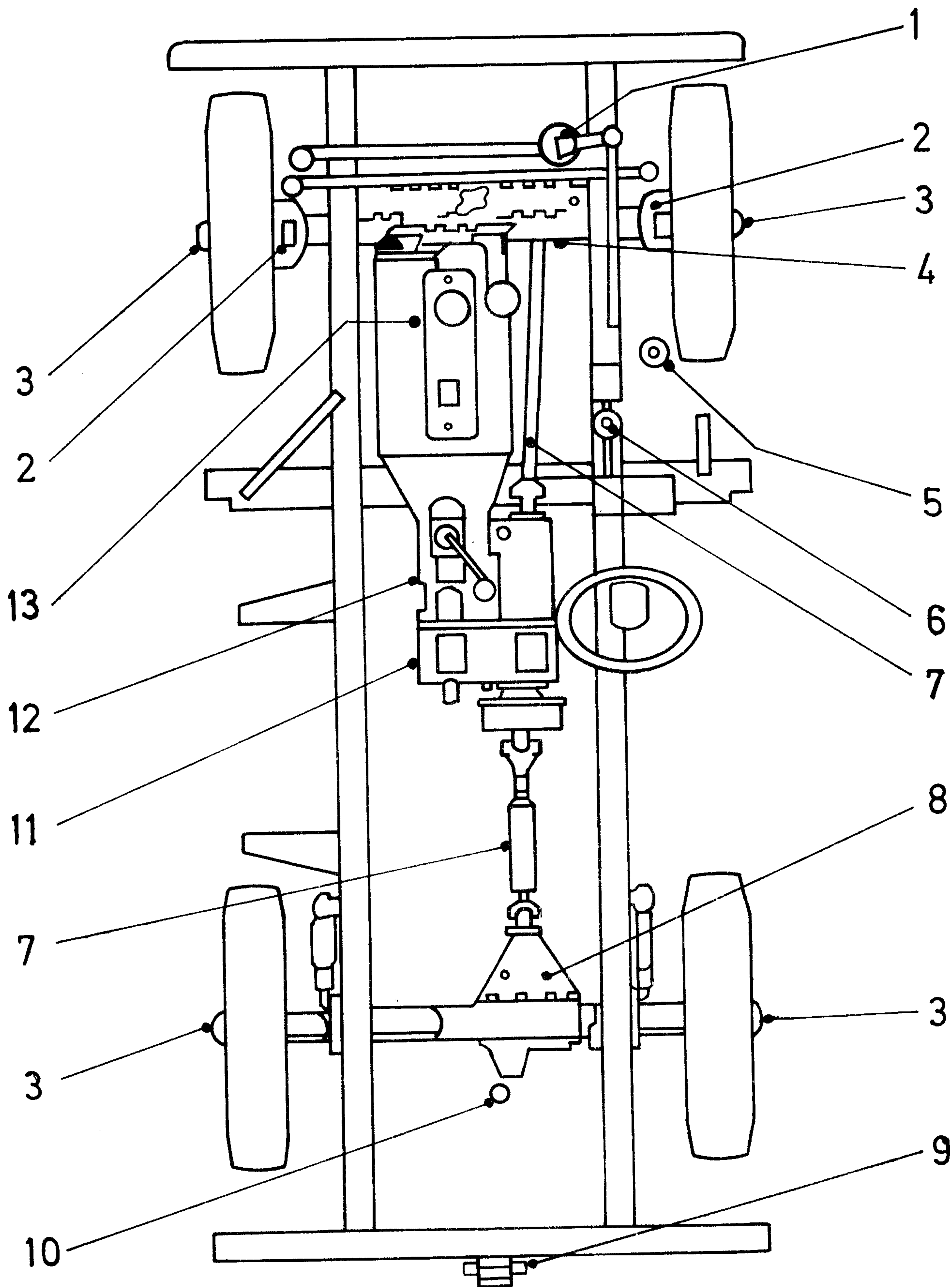


Fig 1 Lubrication diagram

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