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SPECIFICATION ARMY(AUST) 110
FOR
TRUCK, WRECKER, 3/4 TON, GS, LAND ROVER,
SERIES 2A, 109 INCH, WHEEL BASE

ISSUE 3

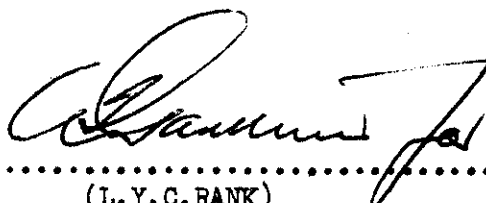
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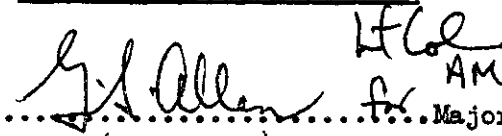
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 AMGO(M)

MASTER GENERAL OF THE ORDNANCE

5 Aug 68

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1. SCOPE

This Specification covers a Truck, Wrecker, $\frac{3}{4}$ Ton, GS, Land Rover, Series 2A, 109 inch wheel base.

2. APPLICABLE DOCUMENTS

Reference is necessary to the latest issue of each of the following documents.

2.1 Specifications

- DEF(AUST)47 - Identification Marking of Service Equipment.
- DEF(AUST)101 - Tractor-Trailer and Tractor Semi-Trailer, Electrical Inter-Connections.
- DEF(AUST)135 - Connector, Plug, Electrical and Connector, Receptacle (12 Pin, Trailer Connection).
- DEF(AUST)206 - Handbook of Liquid Fuels, Lubricants and Allied Products.

These specifications are available from the Manager, Central Drawing Office, Department of Supply, Private Bag No.5, P.O. Ascot Vale, Victoria, 3032.

- ARMY(AUST)10 - General Specification to Govern Technical Data to be supplied by Contractors for 'B' Vehicles.
- ARMY(AUST)139 - Enamel, Lustreless, Olive Drab.

These specifications are available from the Chief Superintendent, Army Design Establishment, Private Bag No.12, P.O. Ascot Vale, Victoria, 3032.

2.2 Standards

- BS 1856 - General Requirements for the Metal-Arc Welding of Mild Steel.
- AS C300 - Battery Terminals and Terminal Lugs (for Lead-Acid Batteries).
- AS L8 - Vinyl-coated Cotton Fabrics for Upholstery.

These standards are available from the Standards Association of Australia in all capital cities.

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2. (Cont'd)

2.3 Drawings

- ADE(V) 5-16 - Registration Plate, Mounting Holes.
- ADE(V) 5-41 - Left, Rear Bumper.
- ADE(V) 32-1 - Guard Brush, Front.
- ADE(V) 43-1 - Unit/Formation Sign Holder.
- ADE(V) 44-244 - Front Wing Assembly, Left.
- ADE(V) 44-255 - Front Wing Assembly, Right.
- ADE(V) 44-460 - Mud Flap, Rear, Installation.
- ADE(V) 44-467 - Exhaust Silencer - Rework.
- ADE(V) 54-33 - Installation, Chain Locker.
- ADE(V) 110-2 - Modification Steering Damper, Land Rover.
- ADE(V) 110-11 - Installation NATO Socket.
- ADE(V) 110-38 - Pipe, Exhaust - Assy
- ADE(V) 111 Series Truck, Wrecker, $\frac{3}{4}$ Ton GS.
- ADE(V) 112-37 - Battery Ejector System.
- Shts 1 & 2
- FV 157949 - Light, Inspection.
- ADE(V) 211-2 - Light Hook.

These drawings are available from the Chief Superintendent, Army Design Establishment, P.O. Box 12, ASCOT VALE, VICTORIA 3032.

2.4 Publications

2.4.1 AMVSC Draft Regulations

These regulations are available from the Department of Shipping and Transport, 497 Collins Street, Melbourne, 3000, Victoria.

2.4.2 Tyre and Rim Standards, Manual of the Tyre and Rim Association, Australia.

This publication is available from the Secretary, Tyre and Rim Association of Australia, 192 King Street, Melbourne, 3000 Victoria.

2.4.3 Electrical and Mechanical Engineering Instructions

- General A021 - Preparation of EMEIs.
- General A020 - Preparation of Technical Documents - Spelling, Abbreviations and Terms.
- General A003 - EME Instructions - General Description.
- Vehicle G057-14 Installation of 24 Volt Alternator Equipment.

These Instructions are available from DEME(EME11), J3, Block, Albert Park Barracks, Melbourne, 3206, Victoria.

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3. DEFINITIONS

- 3.1 "Inspecting Officer" shall mean the Director of Army Inspection or his representative.
- 3.2 "MOEEI" shall mean manufacturer's optional extra equipment item.
- 3.3 "Approved" shall mean approved by the Inspecting Officer.

4. REQUIREMENTS

4.1 General

- 4.1.1 The vehicle shall be a 2 $\frac{1}{2}$ litre petrol engine driven, Land Rover, Series 2A, 109 inch wheel base, modified as detailed in this Specification.
- 4.1.2 The vehicle, when solo, shall comply in all respects with AMVSC Draft Regulations.
- 4.1.3 Interchangeability of parts and spares for the vehicle shall be maintained throughout the contract. Alternative parts shall not be introduced without prior approval of the Inspecting Officer.
- 4.1.4 The vehicle components shall be as standard as possible with the components of the Land Rover vehicles already in service.

4.2 Chassis

The chassis shall be modified as detailed in this Specification.

- 4.2.1 The chassis shall be fitted with spring hanger brackets, which will allow the later fitting of 9.00 by 16 tyres. The exhaust pipe shall be in accordance with drawing No. ADE(V)110-38. To give clearance on a wheel fitted with 9.00 by 16 tyre, the exhaust tail pipe shall be shaped in accordance with drawing No. ADE(V)44-467.
- 4.2.2 The wheels shall be one piece drop centre detachable discs incorporating a 5.50 F(H) rim as specified in the Tyre and Rim Association Standards Manual.
 - 4.2.2.1 The tyres shall be light truck and utility tyres 7.50 by 16 "Tyrex" cord or approved equivalent, 6 ply rating, with butyl tubes. The tyre treads shall be non-directional cross-country pattern, e.g. Goodyear "All Service", Olympic "Pattern 3" or similar approved pattern and make.
 - 4.2.2.2 Five wheels, tyres and tubes shall be supplied with each vehicle.
 - 4.2.2.3 Brackets to Drawings ADE(V)101-53, and 93 shall be fitted to allow for the stowage of the spare wheel on both the bonnet and in the cargo compartment.

6.

4.2 (Contd)

- 4.2.3 A second identical fuel tank shall be fitted in the chassis, on the left hand side immediately below the passenger seat, and the filling point shall be brought to the outside of the vehicle on the left hand side, as is done for the standard right hand tank. A change-over cock shall be mounted on the panel adjacent to the hand brake lever. It shall be possible to dip the tanks.
- 4.2.4 The engine shall be fitted with the Rover eight blade fan and an engine tie rod as per MOEEI No. E1205.
- 4.2.5 The front springs shall be Rover Part Number No.265627. The rear springs and the U bolts shall comply with the drawings ADE(V)111-69 and 70. The shock absorbers fitted shall suit the extended spring hanger brackets.
- 4.2.6 Front lifting and towing rings conforming to MOEEI No.E1085 shall be fitted.
- 4.2.7 A rotatable and lockable towing hook, as per drawing No. ADE(V)211-2. shall be fitted.
- 4.2.8 A standard front bumper bar, modified to accept the winch fairlead and spade anchor, shall be fitted (reference drawing ADE(V) 111-104). Robust rear quarter bumpers shall be fitted. They shall extend beyond the rearmost part of the towing hook. A front buffer grille to Drawing No. ADE(V)32-1 shall be fitted. The left rear bumper shall have a recess made in the form of a cable support as detailed in Drawing ADE(V)5-41.
- 4.2.9 The front and rear axles shall have a heavy duty differential assembly and induction hardened axle shafts as fitted in British War Department Land Rover.
- 4.2.10 The transfer case and the gearbox oil level plugs shall be of the tapered thread type.
- 4.2.11 Rubber boots shall be fitted on both the front and the rear propellor shafts and shall cover the splines.
- 4.2.12 The radiator grille assembly shall have two 11/16-in diameter holes drilled in it to allow easy removal of the bolts fixing the steering relay housing to the chassis frame.
- 4.2.13 Brackets shall be welded to the chassis (reference Drawing ADE(V)111-17) to support the hydraulic pump, winch and jib stabiliser legs. The rear cross member shall be of shallow section and shall be reinforced in accordance with Drawing ADE(V)111-106.

7.

4.2 (Contd)

- 4.2.14 The steering damper shall be repositioned (reference Drawing ADE(V)110-2) to clear the chain locker.
- 4.2.15 A power take-off (Rover Part No.230855) equipped with a selector unit similar to a Bamford Transmissions Pt No.LRS/A (including selector fork and shift lever system with tower) shall be fitted.
- 4.2.16 Two winch rope guide pulleys shall be installed on the rear cross member as detailed in Drawing ADE(V)111-85.
- 4.2.17 A quadrant hand throttle conforming to MOEEI No.E1381 shall be fitted.
- 4.2.18 A remote throttle control shall be fitted in accordance with Drawing ADE(V)111-147.

4.3 Body

- 4.3.1 The canopy shall conform to the Drawing Series ADE(V)111-89.
- 4.3.2 When lowered to the horizontal position, the windscreen shall be secured by means of a 1 inch wide nylon webbing strap. The strap shall be rivetted or stitched to the handle of the spare wheel carrier. An additional 'D' shall be fitted to the centre of the inside of the windscreen frame near the top of the frame.
- 4.3.3 Dash vent flyscreens conforming to MOEEI No.E1106 shall be fitted to the vehicle.
- 4.3.4 A centre seat shall be fitted in the driving compartment.
- 4.3.5 The standard tail gate is not required.
- 4.3.6 The side valances shall be deleted.
- 4.3.7 The bonnet shall be secured by side fastening catches.
- 4.3.8 All seats shall be covered with a tropic-proofed PVC coated fabric to Australian Standard L18, Grade W2. The fabric shall be coloured Lustreless Olive Drab to Army(Aust)139.
- 4.3.9 The vehicle's front wings shall conform to Drawings ADE(V)44-244 and 255. The deditching tool brackets shall not be fitted on the wings.

8.

4.3 (Contd)

- 4.3.10 The vehicle's rear wings shall be modified, and shall conform to Drawings ADE(V)111-66, 67. Provision shall be made for the stowage of two jerricans, (reference Drawing ADE(V)111-64).
- 4.3.11 A chain locker shall be fitted between the front bumper and the radiator in accordance with drawing ADE(V)54-33.
- 4.3.12 Stowage bins for the recovery equipment shall be constructed on either side of the body in accordance with Drawing ADE(V)111-53.
- 4.3.13 Provision shall be made for holding the spade anchor on the body as detailed in Drawing ADE(V)111-99.
- 4.3.14 The rubbing strips shall be removed from the floor of the cargo body.

4.4 Electrical Equipment 12 V

- 4.4.1 To prevent interference with commercial radio and television, the standard 12 Volt (V) electrical system shall be modified in accordance with Appendix 'A'.
- 4.4.2 All electrical components, wiring and harness shall be suitable for continuous use at all temperatures within the range of 5 degree Fahrenheit (^oF) and 125^oF including, 100 percent (%) relative humidity conditions between 5^oF and 80^oF.
- 4.4.3 The lighting shall comply with the AMVSC Draft Regulations.
- 4.4.4 The flashing direction indicators shall be MOEEL No.1211. The flashing unit shall be Hella part No.91, PM 2/3 by 18 Watt 12V (or approved equivalent). The flashing unit shall still operate satisfactorily with two or three lamps flashing. A driver warning device shall be fitted in the cab of the vehicle.
- 4.4.5 The instrument panel shall be illuminated by separately controlled lighting. The lighting shall be adequate for use at night under "black-out" conditions.
- 4.4.6 A socket, 2 pin Lucas part No.770419 (or approved equivalent), shall be fitted in an approved position in the driving compartment. The circuit for the socket shall be unswitched.
- 4.4.7 A two position switch shall be fitted in the cabin of the vehicle. The switch shall enable the fuel level in each tank to be indicated on the fuel gauge.
- 4.4.8 Two worklights shall be fitted. One light shall illuminate the rear of the body and the other light shall illuminate the recovery gear. (Reference Drawing ADE(V)111-83).

4.4 (Contd)

- 4.4.9 All electrical circuits shall be suitably protected by fuses or circuit breakers. The fuses and circuit breakers shall be grouped together in a readily accessible position and each fuse and circuit breaker shall be clearly marked.
- 4.4.10 A black-out headlight, Rover part No.RA 34, shall be fitted to the front right hand side of the vehicle. A convoy light, Rover part No.268616 shall be fitted and shall be inter-connected with the blackout headlight.
- 4.4.11 A master control switch shall be mounted on the dashboard. The switch shall separately control the standard lighting and black-out lighting. The lighting shall be grouped as follows:

Standard Lighting

Headlights
 Parking Lights
 Tail Light
 Stop Light
 Turn Indicators
 Dash Light
 Map Reading Light
 Dashboard Plug Socket
 Work Light

Black-out Lighting

Black-out Headlights
 Convoy Light
 Dash Light
 Map Reading Light
 Dashboard Plug Socket
 Work Light

- 4.4.12 The rear turn indicator lights and tail lights shall be protected by metal guards.
- 4.4.13 A map reading light Rover Part No.268616, shall be mounted on the dashboard in front of the passenger's seat.
- 4.4.14 The dip switch shall be located between the clutch and brake pedals. The switch mechanism shall be inside the vehicle and a metal guard shall protect the wiring on the floor.
- 4.4.15 A 12 pin receptacle in accordance with DEF(AUST)135 shall be fitted to the rear left hand side of the vehicle in accordance with DEF(AUST)101. The receptacle shall be fitted within a radius of 19 $\frac{1}{2}$ inches from the towing hook.
- 4.4.16 A non-locking type of ignition switch shall be fitted to the vehicle.
- 4.4.17 The battery shall have a minimum rating of 51 ampere/hour and shall be of concealed link type. The battery shall have terminal lugs and cable terminals (clamp type) in accordance with AS C300. The battery retaining cover shall have an inside length of 12.1/8 inch.

4. (Cont'd)

4.5 Electrical Equipment 24 Volt

- 4.5.1 Provision shall be made for the fitting of an independent 24 V radio electrical system as detailed in ~~EMMET~~ G 057-14 modified in accordance with Drawing ADE(V)111-145.
- 4.5.2 Provision shall be made for the fitting of two 12 V Radio batteries, identical to the vehicle battery, in the RH side of the vehicle between the rear wheel and the driver's door. These batteries shall be accessible through a door on the outside of the vehicle, and shall be mounted on a sliding frame so they can be readily inspected or replaced. Where possible, the design of the battery carrier shall conform to the requirements of Dwg ADE(V)112-37 Sheets 1 and 2 except that two batteries shall be carried within the assembly.

4.6 Recovery Winch and Crane

- 4.6.1 The recovery winch, crane and swivelling fairlead shall be manufactured and installed in accordance with Drawing ADE(V)111-18.
- 4.6.2 The winch shall be an Industrial Service Engineers (ISE), 6000 pound (lb), winch model No.6000 AHD75 (or approved equivalent), adapted for hydraulic drive and fitted with a drum drag brake.
- 4.6.3 The hydraulic motor shall be a Vickers Type M2-330-75 (or approved equivalent).
- 4.6.4 The hydraulic pump shall be a Vickers Type V330-24-10 (or approved equivalent). This pump shall be installed in accordance with Drawing ADE(V)111-43.
- 4.6.5 The hydraulic control valve shall be a Vickers Type CM2-06-RDEL with manual levers CM2/H/10 (or approved equivalent). The levers shall be modified and assembled in accordance with Drawing ADE(V)111-100. The relief valve shall be set at 750 pound per square inch (psi) at 24 gallon per minute (GPM).
- 4.6.6 The hydraulic cylinder shall be an ISE "Universal" type, 2 inch diameter by 16 inch stroke Catalogue No.2652 (or approved equivalent). It shall be a double acting, clevis mounting type with class B seals. The ports shall be in line with the clevis pin. The cylinder shall have a standard piston rod knuckle screwed to the ram.

4.6 (Cont'd)

4.6.7 The hydraulic hose shall be a rubber covered single wire-braided type with a safe working pressure of at least 1000 psi. The end fittings shall be reusable ("Aeroquip" Parts or approved equivalent).

4.6.8 The installation of the hydraulic components shall comply with Drawing ADE(V)111-60.

4.7 Fittings and Accessories

4.7.1 An adjustable, flat, anti-dazzle rear vision mirror shall be fitted to the windscreen frame in the cab. The mirror shall be positioned centrally and shall give the driver a view through the rear window.

4.7.2 An adjustable rear vision mirror shall be fitted to the right hand and the left hand side of the vehicle. The right hand mirror shall be positioned so that the driver may adjust it while in the driving position. It shall be possible to fold the mirrors and their supporting arms so they do not project beyond the silhouette of the vehicle.

4.7.3 In addition to the normal instruments fitted to the instrument panel of the vehicle an oil pressure gauge conforming to MOOREE No.E1389 shall be fitted in conjunction with the auxiliary panel to MOOREE E1419.

A trip speedometer shall also be fitted conforming to MOOREE E1379A in conjunction with an instrument panel to MOOREE E1441.

4.7.4 A bracket to suit an approved type of 2.1/2 lb Dry Chemical Fire Extinguisher shall be fitted to the scuttle in a vertical position. The bracket shall be on the passenger's side and towards the centre of the vehicle.

4.7.5 The Contractor shall supply a starting handle with each vehicle. The handle shall be suitable for use when a power operated winch is fitted to the vehicle.

4.7 (Contd)

- 4.7.6 The Contractor shall supply a graduated dipstick and holder with each petrol tank. The indicating face of the dipstick shall have a flat surface.
- 4.7.7 The vehicle shall be fitted with rear mud flaps in accordance with ADE(V)44-460 or an approved equivalent.
- 4.7.8 The holes for the registration plates shall be in accordance with ADE(V)5-16 and shall be located in an approved position.
- 4.7.9 Four Unit/Formation sign holders, in accordance with drawing No.ADE(V)43-1, shall be fitted to the vehicle (refer drawing No.ADE(V)112-2).
- 4.7.10 A bridge sign plate, conforming to Rover part No.266818, shall be fitted to the front left hand side of the vehicle.
- 4.7.11 The Contractor shall fit the following metal instruction plates. Each plate shall have photo-processed lettering and shall be suitably located on the vehicle.
- 4.7.11.1 One plate, in accordance with Appendix 'B' Page 1 (Plate 1), shall be located in the left hand glove box.
- 4.7.11.2 One plate, in accordance with Appendix 'B' Page 1 (Plate 2), shall be located in the left hand glove box.
- 4.7.11.3 One plate, in accordance with Appendix 'B' Page 2 (Plate 3), shall be instrument panel.
- 4.7.12 The tyres shall be branded in accordance with DEF(AUST)47. The broad arrow shall be moulded in the tyre and the length of the arrow shall be 1 to 2 inch high.

4.8 Materials

All materials shall be as specified. Where the material is not specified, then it shall comply with the relevant Australian or British Standard where such exist or, in their absence, to an approved standard.

4.9 Workmanship

- 4.9.1 Workmanship shall be in accordance with the best trade practice and shall be to the satisfaction of the Inspecting Officer.
- 4.9.2 The preparation for, and the application of all metallic arc welding shall be in accordance with BS 1856.
- 4.9.3 The preparation of surfaces for painting and the painting process shall be the standard commercial process for Land Rover Vehicles except for the following details:

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4.9 (Contd)

- 4.9.3.1 The finishing colour shall be Lustreless Olive Drab in accordance with Army(Aust) 139.
- 4.9.3.2 Galvanized fittings normally supplied on the commercial vehicle shall be subjected to an additional pickling process prior to assembly. The fittings shall then be painted as specified in paras 4.9.3 and 4.9.3.1.

4.10 Documentation

- 4.10.1 The Contractor shall supply two copies (in English) of a draft workshop manual for the recovery gear only. This draft manual shall be prepared in accordance with the Electrical and Mechanical Engineering Instructions General Nos A 021, A 020 and A 003, except that only the following sections are required.
- a. Technical description, not including information required for repair work.
 - b. Unit work for repairs.
 - c. Field repairs; eg. removal and replacement of assemblies, top overhaul, etc.
 - d. Base repairs; complete overhaul of the vehicle and its assemblies.
 - e. Equipment inspection or examination data; including inspection for serviceability and after repair.
 - f. Servicing instructions.

NOTE: The printing of the manual will be undertaken by the Department of Army. Any assistance required by the Contractor, in relation to presentation and content, will be given, on request, by the Inspecting Officer.

- 4.10.2 In addition to the above manual, the Contractor shall provide approved illustrated data(of the recovery gear only)to permit maintenance scales to be prepared by the Department of the Army.

4.11 Tendering

- 4.11.1 The Tenderer shall submit samples of all components and all materials designated as approved components or materials. Alternatively, the Tenderer shall state the source of supply in sufficient detail in order that the components and materials can be readily checked or recognized.

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4.11 (Contd)

- 4.11.2 Should the Tenderer desire to depart in any manner from the requirements of this Specification, such manner of departure shall be clearly shown in the tender, together with a statement of the reason for its adoption.
- 4.11.3 The Tenderer shall state the period for which he is prepared to guarantee the vehicle against faulty materials and workmanship.
- 4.11.4 Tenders, which are not accompanied by the information asked for in paras 4.11.1 to 4.11.3, may be rejected without further consideration.

5. QUALITY ASSURANCE PROVISIONS

5.1 Inspection

All supplies shall be subject to the approval of the Inspecting Officer and any supplies submitted by the Contractor for acceptance which, in the opinion of the Inspecting Officer, are inferior in quality of materials, workmanship, or differ in any way from this Specification, may be rejected by him.

5.2 Tests

- 5.2.1 The Contractor shall be responsible for carrying out all tests required by the Inspecting Officer to ensure that the vehicle is in accordance with this Specification.
- 5.2.2 The Contractor shall be responsible for providing all test equipment, facilities and accommodation for the Inspecting Officer for the purpose of ensuring that the vehicle is in accordance with this Specification.
- 5.2.3 The costs of all tests shall be borne by the Contractor.

6. PREPARATION FOR DELIVERY

6.1 Packaging

Packaging shall be as designated in the tender schedule or official order.

7. NOTES

7.1 Ordering Data

Procurement data shall specify the title, number and date of this Specification and the type of packaging to be used by the Contractor.

7. (Contd)

7.2 Named Trade Items

A named trade item called up in this Specification and reference documents may be replaced by an approved equivalent.

7.3 Amendments to Specification

Amendments to any section of this Specification can only be effected by means of a Change Request. Should the Contractor desire amendments, these will be passed on the correct form through the Inspecting Officer to the Director of Equipment, Army Headquarters. The amendment becomes effective only on the issue of Change Authority by the Director of Equipment on behalf of the Master General of the Ordnance.

7.4 Adherence to Specification

The approving authority for this Specification is the Director of Equipment on behalf of the Master General of the Ordnance, Army Headquarters. No departure from this Specification will be approved by the Director of Equipment unless, by reason of the acceptance of a tender, full details of approved alternatives are incorporated in an eventual contract.

Copies of this Specification may be obtained from:-

The Chief Superintendent,
Army Design Establishment,
Private Bag No.12, P.O.,
ASCOT VALE, Victoria, 3032.

APPENDIX 'A'

Page 1 of 1

10. SCOPE

This Appendix covers details of the Radio Interference Suppression.

- 10.1 From the commercial vehicle, the Contractor shall remove the battery bond between the engine and chassis. This is located on the right hand side of the Truck. To replace this bond, the Contractor shall fit three bonding straps located as follows:
 - a. Across the rubber engine mounting, adjacent to the generator.
 - b. Between the flywheel housing and the chassis, on the generator side.
 - c. Between the cabin floor and the transmission, adjacent to the gear lever.
- 10.2 In addition, three extra bonding straps shall be fitted. Two of these straps shall be fitted on the bonnet, located on either side, to ensure that the bonnet is earthed at all times. The third bond shall be between the engine and the regulator mounting bracket.
- 10.3 The ignition coil shall be removed from the bulkhead and relocated in an upright position on a bracket, between plugs 3 and 4, on the engine. The bracket shall be held by two cylinder head bolts.
- 10.4 The Contractor shall fit a $1/2$ micro-Farad (μF) capacitor in the following locations:
 - a. Connected to each windscreen wiper battery terminal and earthed to the motor frame.
 - b. Connected to the battery terminal of the ignition coil earth.
 - c. Between the 'D' terminal of the generator and earthed at the top through the bolt of the generator.
 - d. Connected to the battery terminal of the ammeter.
- 10.5 Spark plugs with built-in 12,500 ohm (Ω) resistors shall be fitted.
- 10.6 The standard Lucas Distributor Cap No.418865 which has a built-in 12,500 ohm resistor shall be supplied.
- 10.7 If not already fitted with a 12 volt Regulator RB310 Lucas No.LU37187 and Lucas Regulator Suppressor Type WL14; these parts shall be removed and replaced by the approved items.

APPENDIX 'B'

Page 1 of 2

20. SCOPE

This Appendix covers the details of the Instruction Plates to be fitted to the vehicle.

| | | | |
|--|---------|---------------------|------------|
| <u>SERVICING DATA:</u> TRUCK, WRECKER, 3/4 Ton, GS, Land Rover, Series 2A, 109 inch W.B. | | | |
| <u>TYRE INFLATION PRESSURES:</u> | Highway | Cross Country | Sand |
| front | 24 lb | 18 lb | 14 lb |
| rear | 45 lb | 45 lb | 45 lb |
| <u>LUBRICATION:</u> (Normal or tropical temperatures) | | | |
| Engine | OMD-110 | Axles | OEP-600 |
| Gear Box | OMD-330 | Swivel Pin Housing | OEP-600 |
| Transfer Case | OMD-330 | Steering Box | OEP-600 |
| Winch | OMD-330 | Lubrication Nipples | XG- 279 |
| | | Master cylinders | OX-(Aust)8 |
| | | Hydraulic tank | OM - 33 |

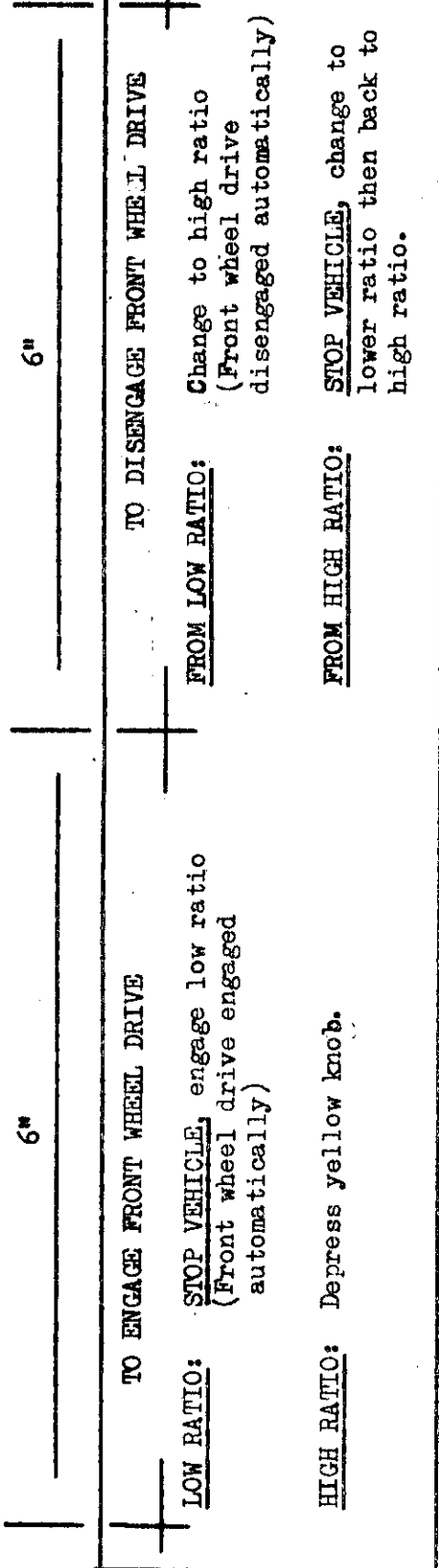
PLATE 1

| | |
|--------------------------|---|
| <u>Nomenclature:</u> | TRUCK, WRECKER, 3/4 TON, GS, Land Rover, Series 2A, 109 inch W.B. |
| <u>Census No:</u> | As Applicable |
| <u>Chassis No:</u> | As Applicable |
| <u>Manufacturer:</u> | ROVER Australia Pty. Ltd. |
| <u>Contract No:</u> | As Applicable |
| <u>Date of Delivery:</u> | As Applicable |

PLATE 2

NOTE:

Where "As Applicable" appears in Plate 2, the Contractor shall insert the relevant information.



LAYOUT OF INSTRUCTION PLATE 12 $\frac{1}{2}$ inch by 1 $\frac{1}{4}$ inch.

LOCATION: On instrument panel above instruments and Secured by 3 existing screws at 6-inch centres.

PLATE 3

30. SCOPE

This appendix covers the loose items of recovery equipment which shall be supplied by the Contractor with the vehicle.

| <u>Item Nomenclature</u> | <u>Drawings</u> | <u>Quantity</u> |
|----------------------------------|-----------------|-----------------|
| ANCHOR, Spade | ADE(V)111-47 | 1 |
| FAIRLEAD, Front | ADE(V)111-79 | 1 |
| BAR, Spreader | ADE(V)111-107 | 1 |
| CLAMP, Steering | ADE(V)111-27 | 1 |
| ROLLERS, Ground | ADE(V)111-122 | 2 |
| PLANKS, Skid | ADE(V)111-123 | 2 |
| ROPE, Wire, with end fittings | ADE(V)111-127 | 1 |
| CHAIN, Towing | ADE(V)111-128 | 1 |
| BLOCK, Snatch, 3/8 dia wire rope | ADE(M)74-2 | 2 |