FOR EXTRA HEAVY DUTY

Powered by the 6-cylinder, 2.6 Litre petrol engine, the 109" wheelbase 1-Ton Land-Rover supplements the already extensive range of Land-Rover vehicles and it has been developed to meet the demands of operators who require a greater load-carrying capacity than is offered by the normal 109" Land-Rover.

With an increase of a ½-ton in cross-country payload capacity the 1-Ton Land-Rover is, of course, equipped with a more rugged specification. Features include heavy-duty axles and suspension, servo-assisted brakes that ensure an ample safety margin under all conditions, larger tyres to cope with load increase and to induce greater floatation on soft ground and a lower-ratio steering box. To minimise any steering wheel reaction which may be encountered over rough terrain, a hydraulic steering damper is fitted as standard.

Low speed performance is maintained by the use of lower transfer box ratios, whilst a maximum speed in top gear of over 60 m.p.h. is still attainable for normal road use.

The introduction of this 1-Ton model has added to the already wide-ranging character of the Land-Rover and makes it more than ever, the world’s most versatile vehicle.
The illustrations on this page provide a few examples of the applications for which the 1-Ton Land-Rover can be adapted by the fitting of special bodies and the mounting of approved equipment.

1. The provision of lubrication services, for expensive construction equipment operating “off-highway”, presents no difficulty with a 1-Ton Land-Rover.

2. A large range of conversions, from complete bodies to adaptations of the production vehicle bodywork, are available for most specialized operations and include interior equipment to customer requirements.

3. A stake body conversion can be supplied for transporting animals or bulky loads.

4. The 1-Ton Land-Rover makes an outstanding fire tender, capable of reaching outbreaks over difficult terrain, and in confined areas that are usually inaccessible to larger appliances.

5. Land-Rovers are used for vehicle recovery the world over. By virtue of its additional strength, the 1-Ton model is ideally suited to this type of work.

The heavy-duty specification of the 1-Ton Land-Rover is purpose-built for the accommodation of special bodies and conversions by approved manufacturers who, hitherto, may have been restricted in their designs because of excess weight problems. In addition, the vehicle will be found particularly useful by contractors, commercial fleet users, public authorities, farmers and other operators, who often need a greater “off-the-road” payload capacity than is available with the normal Long Wheelbase Land-Rover.

As is common with the Land-Rover range, the 1-Ton model has provision for various power take-off facilities which considerably increase the vehicle’s operational possibilities. The equipment may be supplied at extra cost and enables a wide range of installed, towed or standing machinery to be driven. A comprehensive range of optional equipment is also available.

Technical queries concerning the fitting and use of power take-off equipment should be addressed to the Land-Rover Special Projects Department at Solihull.
**SPECIFICATION**

**ENGINE**
- No. of cylinders: 6
- Bore: 3.063" (77.8 mm)
- Stroke: 3.625" (92.075 mm)
- Capacity: 2,625 c.c. (160.3 cu. ins.)
- Valve position: Overhead inlet, inclined side exhaust.
- Compression ratio: 7:1 (8:1 optional)
- Max. B.H.P.: 55 at 4,500 rev. /min. (Gross)
- Max. torque: 93 lb. ft. (125 Kgm.) at 1,750 rev. /min. (Gross)

**LUBRICATION SYSTEM**
- Type: Pressured by submerged gear type pump
- Filters: Pump intake gauze filter in sump and external full flow filter
- Sump capacity: 12 pints (145 U.S. pints; 7 litres)

**COOLING SYSTEM**
- Type: Semi-sealed and pressurised, with pump, fan and thermostat
- Capacity: 20 pints (24 U.S. pints; 11.4 litres)

**FUEL SYSTEM**
- Carburettor: Zenith 175-CDS2.
- Filters: Tank, sediment bowl and fuel pump
- Air cleaner: Oil bath with built-in centrifugal pre-cleaner
- Pump: Electric, dual inlet type, located inside right-hand frame side member

**ELECTRICAL SYSTEM**
- Ignition: By coil and distributor
- Starter: Solenoid operated by combined ignition/starter switch key

**TRANSMISSION**
- Type: Single dry plate, 9 1/2" (241 mm.) dia. Diaphragm spring type
- Operation: Hydraulically

**MAIN GEARBOX**
- Type: Single helical constant mesh with synchromesh on top and third speeds
- Oil capacity: 2 1/2 pints (3 U.S. pints; 14 litres)

**TRANSFER GEARBOX**
- Type: Two speed reduction on main gearbox output
- Four wheel drive: Two four wheel drive control on transfer box output
- Oil capacity: 4 1/2 pints (5 1/2 U.S. pints; 25 litres)

**PROPELLER SHAFTS**
- Type: Open, to front and rear axles
- Rear axle: Spiral bevel; floating shafts
- Ratio: 4 7:1
- Oil capacity: 2 1/4 pints (3 U.S. pints; 14 litres)

**FRONT AXLE**
- Type: Spiral bevel; floating shafts
- Ratio: 4 1:1
- Oil capacity: Differential 1 1/4 pints (3 U.S. pints; 14 litres), Universal joint housing, 1 pint (1 1/4 U.S. pints; 0.97 litres)

**OVERALL RATIOS (Final Drive)**

<table>
<thead>
<tr>
<th>Ratios</th>
<th>High Transfer</th>
<th>Low Transfer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Top</td>
<td>7:19:1</td>
<td>15:4:1</td>
</tr>
<tr>
<td>Third</td>
<td>10:96:1</td>
<td>23:1:1</td>
</tr>
<tr>
<td>Second</td>
<td>15:96:1</td>
<td>34:1:1</td>
</tr>
<tr>
<td>First</td>
<td>25:9:1</td>
<td>55:3:1</td>
</tr>
<tr>
<td>Reverse</td>
<td>21:7:1</td>
<td>46:4:1</td>
</tr>
</tbody>
</table>

**POWER TAKE-OFF POINTS**
- Central, bottom and rear power take-off drives available as optional extras.

**CHASSIS DETAILS**

**FRAME**
- Type: Welded fabricated box section side and cross members, black enamel dipped
- Channel section, galvanised

**SUSPENSION**
- Road springs: Semi-elliptic, underslung
- Hydraulic double action telescopic

**STEERING**
- Type: Recirculating ball, worm and nut. Hydraulic damper
- Steering wheel dimension: 17" (43.18 cm.)
- Turning circle: 47 ft. (14.3 m.)
- No. of turns lock to lock: 3 1/2

**BRAKES**
- Foot brake: Hydraulic drum brakes, 11" dia., servo assisted
- Front: two leading shoes, 3" wide
- Hand brake: Mechanical internal expanding drum brake on transfer box output

**WHEELS AND TYRES**
- Wheel type: Ventilated disc
- Wheel size: 6 1/2" (16"
- Standard tread: 10.00 x 16"
- Standard size: 9"x16"

**FUEL SYSTEM**
- Fuel tank: Carried behind side members behind rear axle
- Fitted with protective underplate and telescopic external filler tube
- Capacity: 11 gallons (132 U.S. gallons)

**CHASSIS OPTIONAL EQUIPMENT**
- Includes extra instruments, 12 volt alternator, winches, towing equipment, special protective devices, and special purpose tyres. See separate publication for details.

**ELECTRICAL EQUIPMENT**
- Battery: 58 A.H.
- Generator: Fan ventilated dynamo, 30 amp. output, current voltage control
- Windscreen wiper: Dual arm, self-parking
- Horn: Windtone, horn push in centre of steering wheel

**INSTRUMENTS AND CONTROLS**
- Speedometer: Large diameter with tachometer recorder including oil pressure, headlamp, main beam and cold start warning lights
- Water temperature and fuel gauges: Combined in one large dial which also includes the charging warning light
- Panel light: Illuminating speedometer, water temperature and fuel gauges. Switch operates when and when and tail lamps are off
- Ignition switch operated by key
- Toggle switch for head, side and tail lamps

**DIMENSIONS**

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<th>Rear Axle (lb. kg)</th>
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<tbody>
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<td>1768</td>
<td>3866</td>
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**WEIGHTS**

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**DEALER'S NAME AND ADDRESS**

**THE ROVER COMPANY LIMITED • SOLIHULL • WARWICKSHIRE • ENGLAND**

For Regular, Long, Station Wagon and Forward Control Models see Publications numbered 755, 756, 757 and 707—respectively.