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Rover Service News Letter No. 94

August, 1958.

TO ALL DISTRIBUTORS AND DEALERS

Dear Sirs,

The changes and developments set out below have taken place during the past month.

With this issue we are also including copies of Cumulative Amendment No. 1 to the Land-Rover Series II Parts Catalogue. It should be noted that we now include a Numerical Index at the back of the Amendment of all the parts which are included in the Amendment.

SECTION I

POLICY

Item 417 SUBJECT:

CAR PARTS CATALOGUE

MODELS:

1934-38 10, 12, 14, 16 and 20 h.p.

REMARKS:

We would like to thank our Home Distributors and Dealers for the excellent response given to our circular letter concerning a reprint of the 1934-38 Car Parts Catalogue. As there is an obvious need for this Parts Catalogue a decision has been taken to reprint the book. Copies will be supplied in about two to three months' time, free of all charge, to all those Distributors and Dealers who have returned the application form.

Any of our Distributors or Dealers who may have mislaid our original circular letters and application form are requested to apply in writing if they require a copy of the 1934-38 Parts Catalogue.

Item 418 SUBJECT:

PLASTIC COVERS

REMARKS:

Details of plastic covers for Land-Rover Series II Parts Catalogue, Land-Rover Series II Instruction Manual and the Master Parts Price List will be found under Items 421 and 422 in this News Letter.

These covers are obtainable from our Parts Department.

Item 419 SUBJECT:

EXTERIOR SUN VISOR

MODELS:

Land-Rover Series II.

REMARKS:

See Item No 423 in this News Letter for details of an exterior sun visor suitable for the Land-Rover Series II.

The British retail price for this kit is £2 15s. 0d.

Item 420 SUBJECT:

MUD-FLAPS FOR WINGS

MODELS:

Land-Rover Series II.

REMARKS:

Details of mud-flaps suitable for the Land-Rover Series II models will be found under Item 424 in this News Letter.

The British retail price for the front wing kit is £1 18s. 6d., and for the rear wing kit £2 0s. 0d.

SECTION II

WORKSHOP AND PARTS INFORMATION

Item 421 SUBJECT:

PLASTIC COVER FOR THE MASTER PARTS PRICE LIST AND THE LAND-ROVER SERIES II PARTS CATALOGUE

PART NUMBERS:

Plastic cover for the Master Parts Price List	.....	.....	.....	1	4178
Plastic cover for the Land-Rover Series II Parts Catalogue	.....	.....	.....	1	4225

REMARKS: We would like to draw the attention of Distributors and Dealers to the fact that Plastic covers, similar to those issued last month for the Rover Service News Letters, are available from our Parts Department for both the Master Parts Price List at a nominal nett cost of 5/6 each, and for the Land-Rover Series II Parts Catalogue at a nominal nett cost of 7/6 each.

Amendments to both the Price List and Parts Catalogue will be punched with three holes so that they can be filed in their respective covers.

Item 422 SUBJECT: **PLASTIC COVER FOR OWNER'S INSTRUCTION MANUAL**
 MODELS: 1958 Land-Rover Series II.
 PART NUMBER: Plastic cover for Owner's Instruction Manual 1 4226
 REMARKS: An extremely attractive green plastic cover for the octavo size (5½" x 8½") Land-Rover Series II Instruction Manual is now available from our Parts Department at a cost of 3/- each, less a special discount of 20%.

The plastic cover is stamped on the front in 23 carat gold with the words "Land-Rover Owner's Instruction Manual" and has pockets on the inside into which the cover of the Instruction Manual is inserted.

We feel that many Land-Rover owners will be interested in this cover and suggest that Distributors and Dealers obtain a small stock for display purposes.

Item 423 SUBJECT: **EXTERIOR SUN VISOR**
 MODELS: Land-Rover Series II.
 PART NUMBER: External sun visor 1 503979
 REMARKS: An exterior sun visor in prime finish, complete with all fixings and a Fitting Instruction, is now available from our Parts Department.

Item 424 SUBJECT: **MUD-FLAPS FOR WINGS**
 MODELS: Land-Rover Series II.
 PART NUMBERS: Mud-flap for front wings 1 332962
 Mud-flap for rear wings 1 332963
 REMARKS: Each of the above kits, obtainable from our Parts Department, contains two mud-flaps and the parts required for fitting the mud-flaps to the front and rear respectively on all Series II Land-Rovers. Fitting Instructions are included with each kit.

Item 425 SUBJECT: **MAIN BEARING CAP FIXING BOLTS**
 MODELS: 1958 Land-Rover Series II Diesel
 PART NUMBERS: Bolt } Fixing main 6 504007
 Plain washer } bearing cap 6 504006
 COMMENCING NUMBERS: Engines numbered:
 88 models from 146800372 onwards
 109 models from 156800135 onwards
 REMARKS: The new bolts, which are "waisted" and manufactured from high tensile steel, must be used in engine sets for all replacements on earlier models together with the plain washers which must also be supplied and fitted.
 The new bolts must not be used with spring washers.

Item 426 SUBJECT: **DIESEL ENGINE, COLD STARTING USING ETHER CAPSULES**
 MODELS: All Land-Rover Diesel Series I and II.
 REMARKS: Distributors and Dealers are requested to bring to the notice of Land-Rover Diesel owners that the use of ether in capsules or in any other form, *should not be used* to start Land-Rover Diesel engines, as very high cylinder pressures are developed under these conditions. These pressures can be extremely dangerous and could lead to serious and expensive mechanical failure. The Land-Rover Diesel engine will start satisfactorily, with proper use of the heater plugs down to temperatures of -20°C even with batteries only 70% charged.

- Item 427** SUBJECT: **PISTON ASSEMBLY**
- MODELS: 1958 '60' and 1958 Land-Rover Series I and II 2.0 litre models.
- MODIFICATION: Introduction of special three-ring, double taper top land pistons. These pistons have two compression rings and one maxilite scraper ring; the stepped scraper ring is not used.
- PART NUMBERS:
- | | | | | | |
|-----------------------------|------|------|------|---|--------|
| PISTON ASSEMBLY, STD. | .... | .... | .... | 4 | 278372 |
| PISTON ASSEMBLY, GRADE Z | .... | .... | .... | 4 | 279490 |
| PISTON ASSEMBLY, GRADE A | .... | .... | .... | 4 | 279491 |
| PISTON ASSEMBLY, GRADE B | .... | .... | .... | 4 | 279492 |
| PISTON ASSEMBLY, GRADE C | .... | .... | .... | 4 | 279493 |
| PISTON ASSEMBLY, GRADE D | .... | .... | .... | 4 | 279494 |
| PISTON ASSEMBLY, .010" O.S. | .... | .... | .... | 4 | 278373 |
| PISTON ASSEMBLY, .020" O.S. | .... | .... | .... | 4 | 278374 |
| PISTON ASSEMBLY, .030" O.S. | .... | .... | .... | 4 | 278375 |
| PISTON ASSEMBLY, .040" O.S. | .... | .... | .... | 4 | 278376 |
- COMMENCING NUMBERS:
- Engines numbered:
- Stage I
- Land-Rover 2.0 litre only.
- Land-Rover 2.0 litre Home models (250 engines only) in the range 111807055 to 111809009 inclusive.
- Note:* Stage I engines are identified by a stripe of white paint on the dipstick side of the cylinder block.
- Stage II
- Land-Rover Series I 2.0 litre R.H.D. Station Wagon models from 111810118 onwards
- Land-Rover Series I 2.0 litre L.H.D. Station Wagon models from 114804966 onwards
- Land-Rover Series II all 2.0 litre models from 141803478 onwards.
- '60' models from 600800702 onwards.
- REMARKS: **IMPORTANT NOTES.**
- The three-ring type piston can be used as replacements for the earlier type of piston in the models concerned, but they should be fitted in engine sets.
- (a) When replacing individual pistons in the above range they must be of the same type.
- (b) The gudgeon pin should be a slight interference fit in piston bores. It should be fitted by hand pressure but must not be able to fall out of either bore under its own weight. It is of particular importance that gudgeon pins are not fitted tighter than this in the three-ring type of piston otherwise piston seizure may result.
- (c) When measuring the clearance of the piston in the cylinder bore make sure that the clearance is correct when the piston is in its working position.
- As it is usual in service to change pistons with the crankshaft in position, the piston clearance is normally checked at the top end of the bore with the piston upside down. If any wear due to taper has occurred, this means that the clearance measured at the top of the bore is appreciably less when the piston is actually fitted to the engine, as the bottom end of the skirt is of larger diameter than the top, whilst the cylinder bore wear is normally largest at the top.
- A safe rule is to measure the amount of taper on the cylinder bores and add .002 in. (0,05 mm) to the amount of this taper for the thickness of feeler to be used, e.g., if the taper is .0005 in. (0,01 mm) use a .0025 in. (0,06 mm) thick feeler. If the taper is .001 in. (0,02 mm) use a .003 in. (0,07 mm) thick feeler. The feeler should withdraw with quite a light pull, not more than 10 lbs.
- Item 428** SUBJECT: **SPARKING PLUGS**
- MODELS: 1958 '105 R' and '105 S' with 7.5 : 1 compression ratio engines.
- MODIFICATION: Introduction of Lodge CLN-H sparking plug to prevent fouling of plugs on 7.5 : 1 compression ratio engines.

PART NUMBER: Sparking plug 6 262796

COMMENCING NUMBERS: Engines numbered:
'105 R' models from 616800387 onwards.
'105 S' models from 621800238 onwards.

REMARKS: Lodge CLN-H sparking plugs can be fitted to any earlier 105 7.5 : 1 compression ratio engine.

Item 429 SUBJECT: OIL RECOMMENDATIONS FOR DIESEL ENGINES

MODELS: 1957-58 Land-Rover Diesel.

REMARKS: We feel that Distributors and Dealers should be aware of the importance of using only the special oils recommended for the Rover Diesel engine as shown in the chart below.

These special oils have a greater degree of detergency than those normally used in petrol engines.

In most cases the use of the oils recommended for the Rover Petrol engine are not suitable, and may cause gumming of piston rings and fouling of injectors.

DIESEL MODELS

COMPONENTS		S.A.E.	B.P.	DUCKHAM'S	ESSO	MOBIL	SHELL	WAKEFIELD
ENGINE AND AIR CLEANER	Extreme Winter (below 10°F)	10W	Energol Diesel D10W	NOL Diesel Engine Oil 10	Essolube HD10W	Mobiloil 10W	Rotella 10W	Castrol CR10
	Winter (10°F to 32°F)	20W	Energol Diesel D20W	NOL Diesel Engine Oil 20	Essolube HD20W	Mobiloil Arctic	Rotella 20/20W	Castrol CR20
	Summer (32°F to 90°F)	30	Energol Diesel D30	NOL Diesel Engine Oil 30	Essolube HD30	Mobiloil A	Rotella 30	Castrol CR30
	Tropical (above 90°F)	40	Energol Diesel D40	NOL Diesel Engine Oil 40	Essolube HD40	Mobiloil AF	Rotella 40	Castrol CR40

Item 430 SUBJECT: GEARBOX ASSEMBLY

MODELS: 1957-58 Car with overdrive.

PART NUMBERS: Gearbox assembly less overdrive 1 505514 '60', '75', '90', '105 S'
Gearbox assembly less overdrive 1 505547 '105 R'

REMARKS: The above part numbers have been raised to cover gearboxes less overdrive; they must be used when a gearbox only is required, either as a normal replacement or in cases when a gearbox is returned under guarantee and the overdrive unit is known to be satisfactory.

Item 431 SUBJECT: DRAIN PLUG IN BELL HOUSING

MODELS: All Land-Rovers.

REMARKS: The drain plug in the bell housing on Land-Rover models must be removed every 3,000 miles and any oil which has collected allowed to drain away before the plug is replaced. This operation is important, otherwise any oil seepage from rear main bearing and gearbox will accumulate in the bottom of the bell housing and will eventually be thrown up into the clutch and cause clutch slip.

If the vehicle is not expected to do wading or very muddy work the plug can be left out at the operator's discretion providing it is replaced if it later becomes necessary to undertake wading work.

Item 432 SUBJECT: REAR BRAKES

MODELS: 1958 '60', '75', '90' and '105'.

MODIFICATION: Return spring for wheel cylinder tappet deleted.

PART NUMBER: Tappet for wheel cylinder, GI 480711 4 502291

COMMENCING
NUMBERS:

Axles numbered:
'60' models from 600801936 onwards.
'75' models from 605800267 onwards.
'90' models from 610805434 onwards.
'105' models from 615801389 onwards.

REMARKS:

The only difference between the early and late type tappet is the deletion of the spring retaining slot.

When the latest type tappet is supplied for earlier models it will be necessary to discard the tappet return spring.

Item 433 SUBJECT: GREASE NIPPLE FOR PROPELLER SHAFT

MODELS: 1957-58 Land Rover Series I 109 Diesel.

PART NUMBERS: Grease nipple 1 502559
Adaptor for grease nipple 1 503269

REMARKS:

On the above models, with a vibration damper fitted adjacent to the transmission brake drum, it will be found impossible to grease the front journal of the propeller shaft. As and when these models are serviced the following modifications should be carried out:

- (a) Remove existing grease nipple from front journal of propeller shaft; it may be necessary to remove the vibration damper and slide it down the propeller shaft out of the way.
- (b) Fit adaptor for grease nipple, part number 503269, to propeller shaft journal.
- (c) Fit grease nipple, part number 502559, to the adaptor ensuring that it is positioned so that the grease gun can be applied.
- (d) If removed, refit vibration damper.

Item 434 SUBJECT: EXHAUST SILENCER

MODELS: Land-Rover 1954-58 Series I and 1958 Series II.

PART NUMBERS: Exhaust silencer 1 244447
Exhaust silencer 1 244448
Exhaust silencer 1 276134
Exhaust silencer 1 276135

REMARKS:

Due to different sources of supply, the above silencers may be either 6 in. (15 mm) or 7 in. (17 mm) diameter.

The difference in diameter does not affect interchangeability in any way; there is no difference in noise level and it is not necessary to alter or modify the silencer fixings.

Item 435 SUBJECT: EXHAUST TAIL PIPE

MODELS: 1958 '105 R' and '105 S'

MODIFICATION: Welded bracket replaced by bolted bracket to facilitate assembly.

PART NUMBERS: Exhaust tail pipe 1 500586
Support bracket 1 500463
Bolt ($\frac{5}{16}$ " BSF x $1\frac{1}{2}$ " long) } Fixing support bracket 1 237165
Nut ($\frac{5}{16}$ " BSF) } to exhaust tail pipe 1 3490

COMMENCING
NUMBERS:

Cars numbered:
'105 R' R.H.D. Home models from 615800830 onwards.
'105 R' R.H.D. Export models from 616800383 onwards.
'105 R' L.H.D. Export models from 618800129 onwards.
'105 S' R.H.D. Home models from 620801910 onwards.
'105 S' R.H.D. Export models from 621800248 onwards.
'105 S' L.H.D. Export models from 623800122 onwards.

REMARKS:

Service replacement exhaust tail pipes will, when stocks of the earlier type are exhausted, be the latest type complete with brackets and fixings.

Item 436 SUBJECT: **ROAD WHEELS**
 MODELS: All cars with tubeless tyres.
 REMARKS: Particular care should be taken when handling road wheels to which tubeless tyres are to be fitted. They must not be dropped or rolled on any hard or concrete surfaces which may damage the outer rim as this may affect the sealing edges of the tubeless tyre, so causing loss of air.

SECTION III

GENERAL

Item 437 SUBJECT: **HEATER KITS**
 MODELS: 1958 Land-Rover Series II, Petrol and Diesel.
 PART NUMBERS: Heater kit 1 330976 2.0 litre Petrol
 Heater kit 1 330988 2¼ litre Petrol and Diesel
 REMARKS: The above kits for the Series II Land-Rover are now available from our Parts Department.

Item 438 SUBJECT: **ROVER DISTRIBUTORS AND DEALERS BOOKLET, OVERSEAS VERSION**
 REMARKS: Please note that Messrs. Darwish & Brothers, Muscat, Arabia, shown on Page 59 of the above booklet, are *Dealers* for Cars and Land-Rovers under A. A. Zayani & Sons, Bahrain, Persian Gulf, and not Distributors as listed.

Yours faithfully,
 for THE ROVER COMPANY LIMITED,

M. Brewer.

*Publications Editor,
 Technical Service Department.*