

2 1/4 LITRE DIESEL

Manufacturers Reference No. for Application

LR/2



F.I.A. Recognition No. 1113

ROYAL AUTOMOBILE CLUB

PALL MALL, LONDON, S.W.1.

Federation Internationale de l'Automobile.

Form of Recognition in accordance with
Appendix J to the
International Sporting Code.

Manufacturer Rover Co. Ltd., Solihull, Warwickshire.

Model Land-Rover 88" & 109" 2 1/4 Litre Diesel Year of Manufacture 1962

From Chassis 27100001a

Serial No. of From Engine 27100001a

Type of Coachwork Station Wagon

Recognition is valid from 27/11/62 In category Gouring

*liste generale 3
" additionnelle 7*

Photograph to be affixed here 3/4 view of car from front right.



Stamp of F.I.A./R.A.C. to be affixed here.

Form: R.F.I.A.

General description of car:

*Specify here material/s of
chassis/body construction*

Steel Chassis

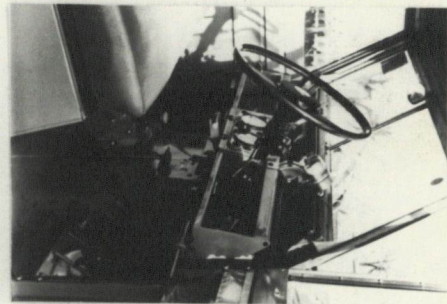
Steel/Alloy Body

Photographs to be affixed below.

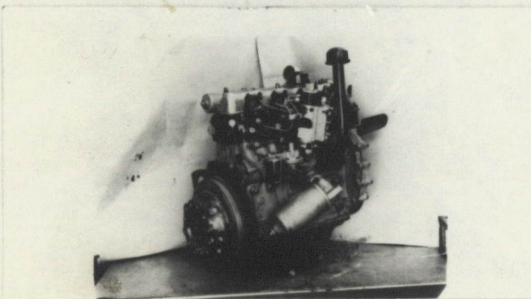
¾ view of car from rear left.



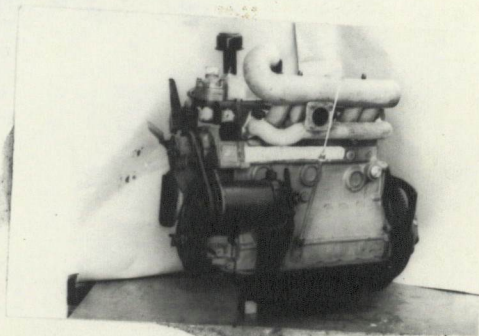
Interior view of car through driver's door.



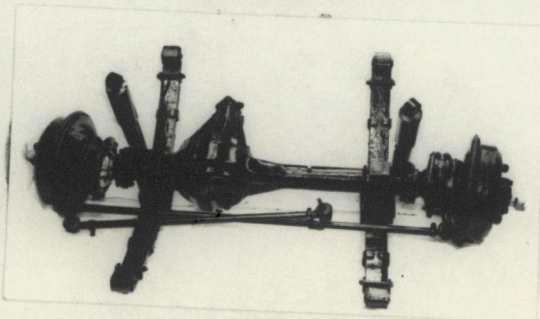
Engine unit with accessories from right.



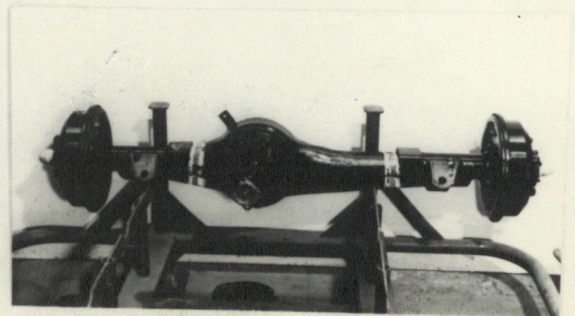
Engine unit with accessories from left.



Front axle complete (without wheels).



Rear axle complete (without wheels).



ENGINE

in line Yes
 No. of cylinders..... Four in V No
 opposed No

Cycle..... Four stroke Firing order..... 1-3-4-2

Capacity..... 2286 c.c. Bore..... 90.149 m.m. Stroke..... 88.9 m.m.

Maximum rebore..... .040" (1 m.m.) Resultant capacity..... 2334 c.c.

Material of cylinder block..... Cast Iron Material of sleeves, if fitted..... Not fitted

Distance from crankshaft centre line to top face of block at centre line of cylinders 278.56 m.m.

Material of cylinder head..... Cast Iron Volume of one combustion chamber 21 c.c.

Compression ratio..... 23:1

Material of piston..... Aluminium Alloy No. of piston rings..... Four

Distance from gudgeon pin centre line to highest point of piston crown..... 58.42/58.52 m.m.

Bearings { Crankshaft main bearings: Type 60/40 Copper Lead Dia. 63.5 m.m.
 Connecting rod big end: Type 60/40 Copper Lead Shell Dia. 58.737 m.m.

Weights { Flywheel 19.22 kg. Shell
 Crankshaft 23.36 kg.
 Connecting rod 1.25 kg.
 Piston with rings 0.85 kg.
 Gudgeon pin 0.23 kg.

No. of valves per cylinder..... Two Method of valve operation..... Tappet/Push Rod

No. of camshafts..... One Location of camshafts..... Cylinder Block

Type of camshaft drive..... Double Roller Chain

Diameter of valves: Inlet 39.29 m.m. Exhaust 33.42 m.m.

Diameter of port at valve seat: Inlet 35.91 m.m. Exhaust 30.46 m.m.

Tappet clearance for checking timing: Inlet 0.25 m.m. Exhaust 0.25 m.m.

Valves open: Inlet 16° B.T.D.C. Exhaust 51° B.B.D.C.

Valves close: Inlet 42° A.B.D.C. Exhaust 13° A.T.D.C.

Maximum valve lift: Inlet 9.828 m.m. Exhaust 10.236 m.m.

Degrees of crankshaft rotation from zero to—

Maximum lift: Inlet 119° Exhaust 122°

¾ Maximum lift: Inlet 74° Exhaust 76°

Valve springs: Inlet Exhaust

Type Wire Compression Wire Compression

No. per valve Two Two

Carburettor: Type Not applicable No. fitted N/A

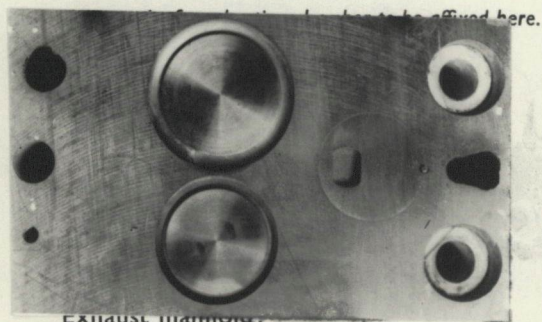
(up or down draft, horizontal)

Make N/A Model N/A

Flange hole diameter N/A m.m. Choke diameter N/A m.m.

Main jet identification No. N/A

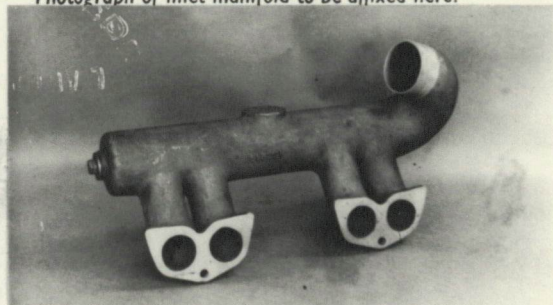
Air filter: Type Oil Bath No. fitted One
 Inlet manifold: Intake
 Diameter of flange hole at carburetor 57.15 m.m.
 Diameter of flange hole at port 38.1 m.m.



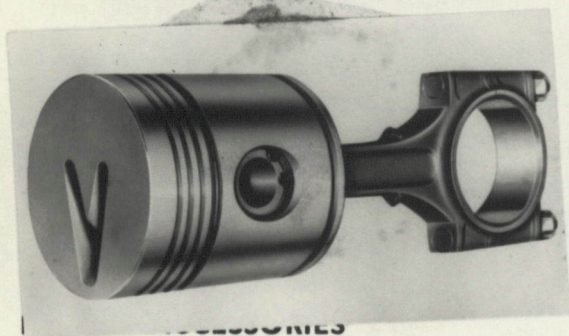
Exhaust manifold

Diameter of flange hole at port 33.33 m.m.
 Diameter of flange hole at connection to silencer inlet pipe 38.1 m.m.

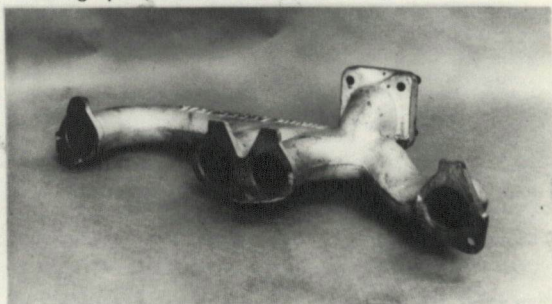
Photograph of inlet manifold to be affixed here.



Photograph of piston showing crown to be affixed here.



Photograph of exhaust manifold to be affixed here.



Make of fuel pump AC No. fitted one
 Method of operation Mechanical
 Type of ignition system Compression/Ignition coil or magneto
 Make of ignition N/A Model N/A
 Method of advance and retard Injector Pump Self Governing
 Make of ignition coil N/A Model N/A
 No. of ignition coils N/A Voltage N/A
 Make of dynamo Lucas Model C40/1
 Voltage of dynamo 12 Maximum output 22 amps.
 Make of starter motor Lucas Model 26189A
 Battery: No. fitted Two Voltage 12 Capacity 120 amp. hour
 Oil Cooler (if fitted) type Extra fitment Capacity N/A pints

	Front	Rear
No. of wheel cylinders	one/two per wheel	One per wheel
Bore of wheel cylinders	28.6/31.8 m.m.	25.4/31.8 m.m.
Inside diameter of brake drums	254/279.4 m.m.	254/279.4 m.m.
No. of shoes per brake	Two	Two
Outside diameter of brake discs	N/A m.m.	N/A m.m.
No. of pads per brake	N/A	N/A
Dimensions of brake linings per shoe or pad (if all shoes or pads in each brake are not of same dimensions, specify each)		

	Front	Rear
Length	215/265 m.m.	215/218 m.m.
		m.m.
Width	38/57 m.m.	38/57 m.m.
Total area per brake	8170/15105 m.m. ²	8170/12426 m.m. ²

SUSPENSION

	Front	Rear	
Type	Semi-Elliptical Leaf Springs on Solid Axles.	Steel/Leaves	Front & Rear.
Type of spring	Steel/Leave		
Is stabiliser fitted?	No	No	
Type of shock absorber	Telescopic/Hydraulic	Telescopic/Hydraulic	
No. of shock absorbers	Two	Two	

STEERING

Type of steering gear Recirculating Ball Worm and Nut

Turning circle of car 11.6/13.2 m., approx.

No. of turns of steering wheel from lock to lock 3.3

CAPACITIES AND DIMENSIONS

Fuel tank 45/73 litres Sump 6.00 litres

Radiator 9.75 litres

Overall length of car 362/444 cm. Overall width of car 163 cm.

Overall height of car, unladen (with hood up, if appropriate) 197 cm.

Distance from floor to top of windscreen:

Highest point 173 cm. Lowest point 173 cm.

Width of windscreen:

Maximum width 139.7 cm. Minimum width 133.66 cm.

*Interior width of car 144 cm.

No. of seats Three

Track: Front 131 cm. Rear 131 cm.

Wheelbase 223/277 cm. Ground clearance 203/248 m.m.

Depends on tyres

*(To be measured at the immediate rear of the steering wheel, and the width quoted to be maintained in a vertical plane of not less than 25 cms.)

Overall weight with water, oil and spare wheel, but without fuel 1387 kgs.

Additional information for cars fitted with two-cycle engines

Not applicable

System of cylinder scavenging.....

Type of lubrication.....

Size of inlet port:

Length measured around cylinder wall.....m.m.

Height.....m.m. Area.....m.m.²

Size of exhaust port:

Length measured around cylinder wall.....m.m.

Height.....m.m. Area.....m.m.²

Size of transfer port:

Length measured around cylinder wall.....m.m.

Height.....m.m. Area.....m.m.²

Size of piston port:

Length measured around piston.....m.m.

Height.....m.m. Area.....m.m.²

Method of pre-compression.....

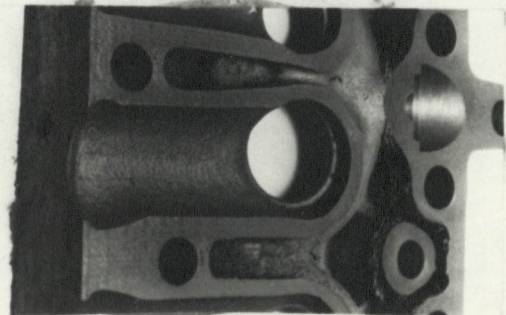
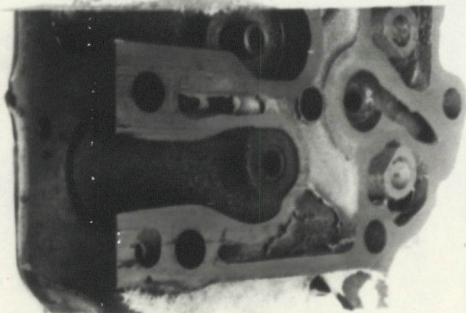
Bore and stroke of pre-compression cylinder, if fitted.....m.m.

Distance from top of cylinder block to lowest point of inlet port.....m.m.

Distance from top of cylinder block to highest point of exhaust port.....m.m.

Distance from top of cylinder block to highest point of transfer port.....m.m.

Drawing of cylinder ports.



Supercharger, if fitted

Make.....

Type of drive.....

Not Applicable

Model or Type No.....

Ratio of drive.....

Fuel injection, if fitted

Make of pump CAV.....

Make of injectors CAV.....

Location of injectors Cylinder Head.....

Model or Type No. Distributor.....

Model or Type No. Pintaux.....

Optional equipment affecting preceding information:—

Alternatives refer to different wheelbases i.e. 88" or 109"