

Total Number of Sheets....13

F.I.A. Recognition No. 629

Group 4



ROYAL AUTOMOBILE CLUB

31, Belgrave Square, London, S.W.1

Form of recognition in accordance with appendix J to the International Sporting Code of the
FEDERATION INTERNATIONALE DE L'AUTOMOBILE

Manufacturer	<u>Rover Company</u>	Cylinder-capacity	<u>3528</u> cm. ³	<u>215</u> in. ³
Serial No. of chassis/body	<u>35500000</u>	Model	<u>Range Rover</u>	
Serial No. of engine	<u>35500000</u>	Manufacturer	<u>Rover</u>	
Recognition is valid from	<u>1 April 1971</u>	Manufacturer	<u>Rover</u>	
		List	<u>71/4</u>	

The manufacturing of the model described in this recognition form started on 1 August 1969
and the minimum production of 700 identical cars, in accordance with the specifications of
this form was reached on 28 February 1971.

Photograph A, $\frac{3}{4}$ view of car from front



F.I.A. Stamp

R.A.C. Stamp

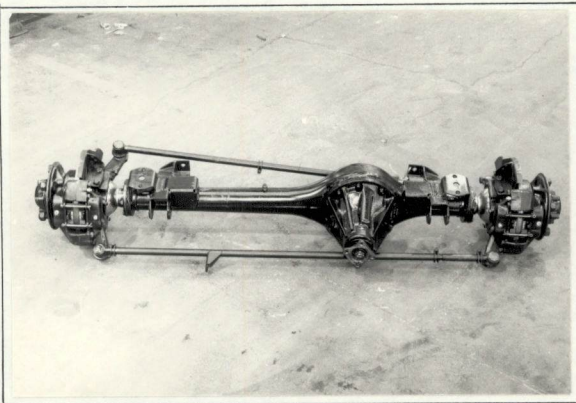
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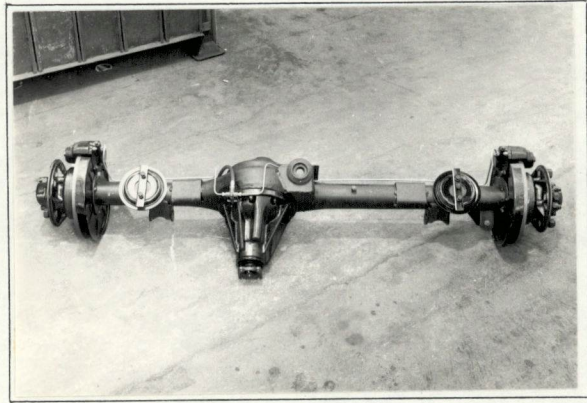
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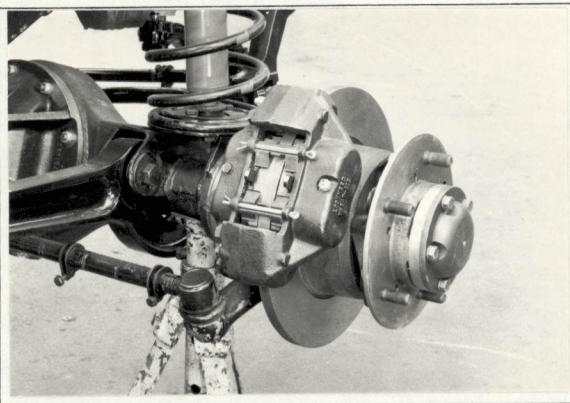
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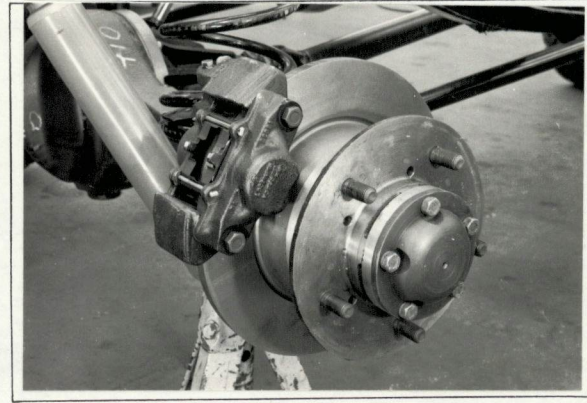
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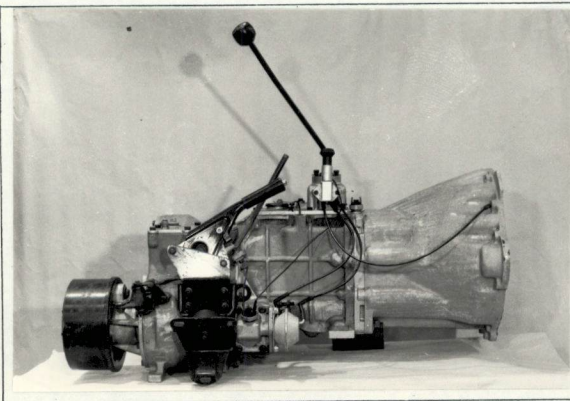
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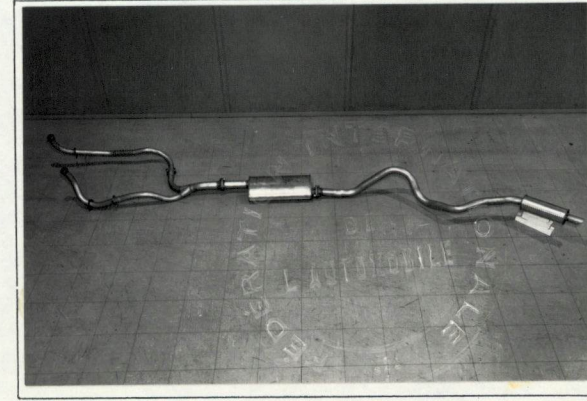
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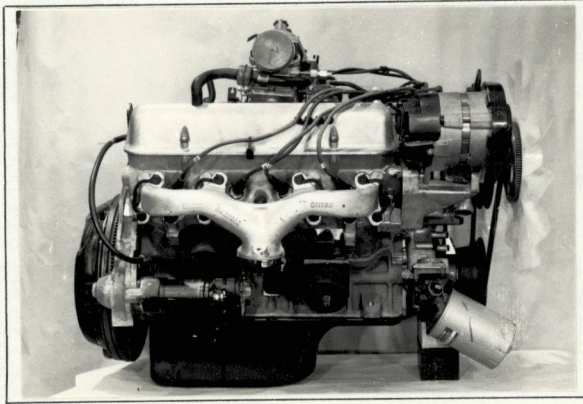
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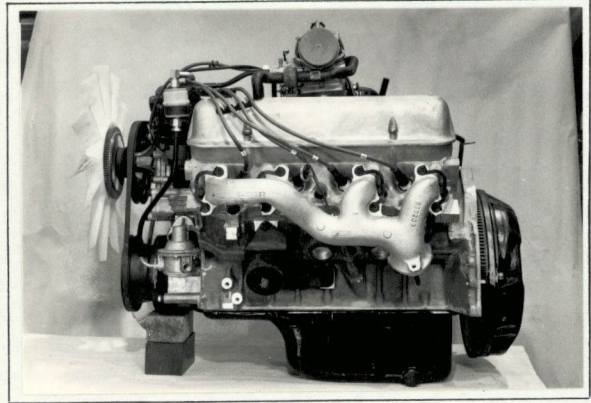
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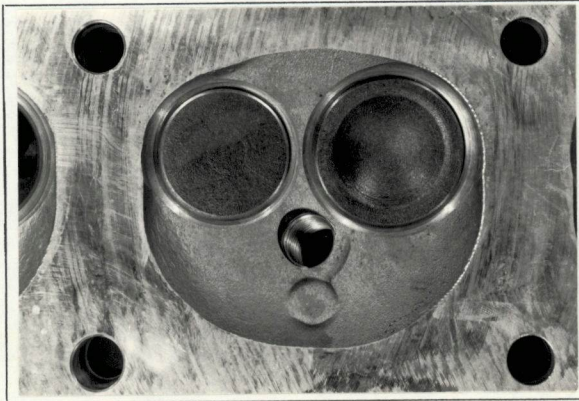
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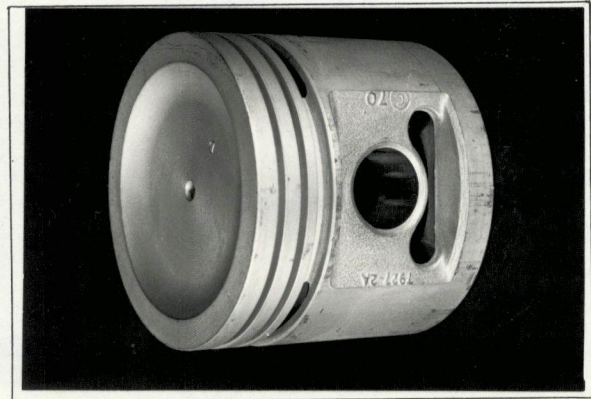
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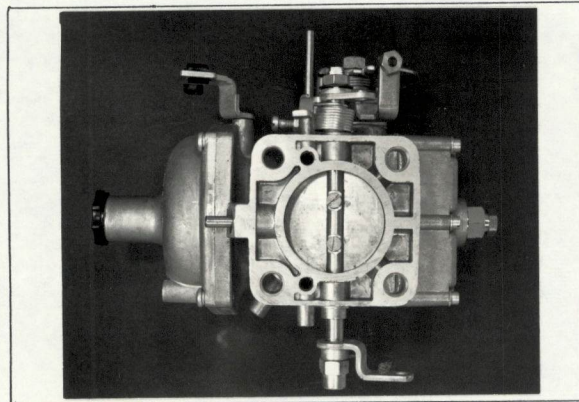
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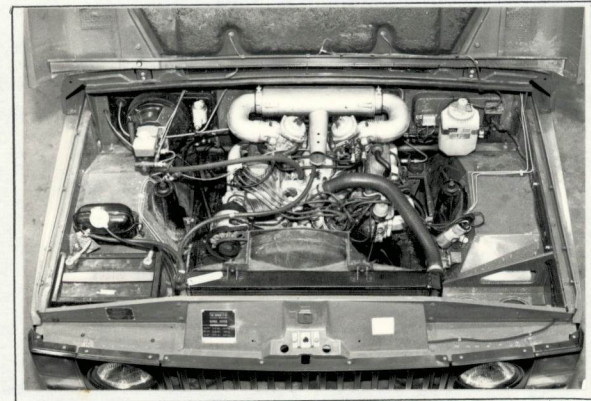
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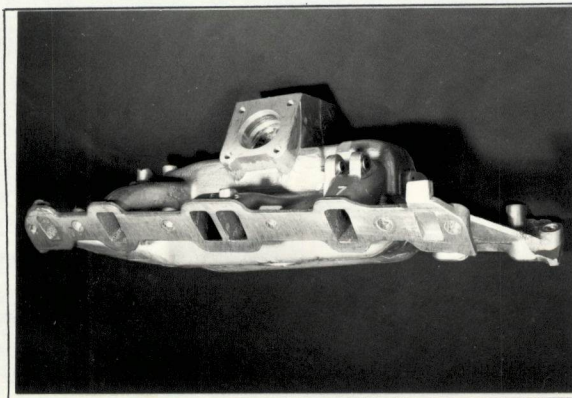
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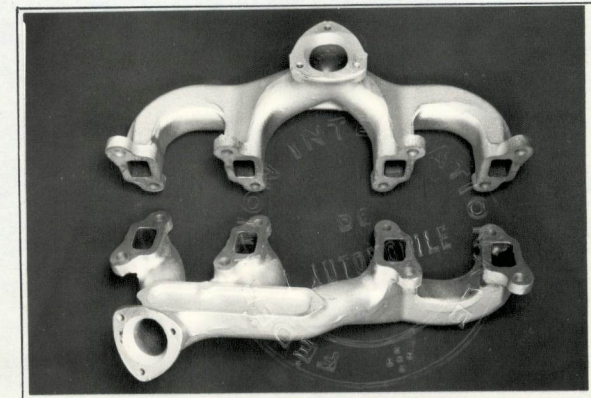
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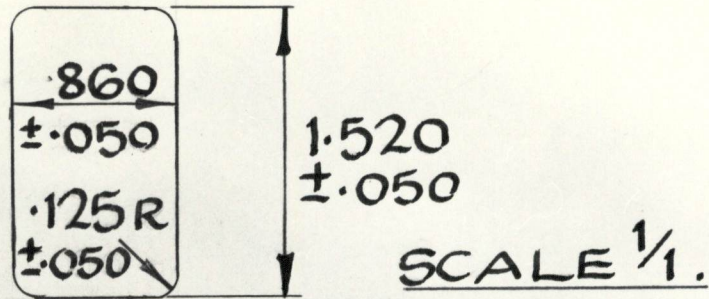
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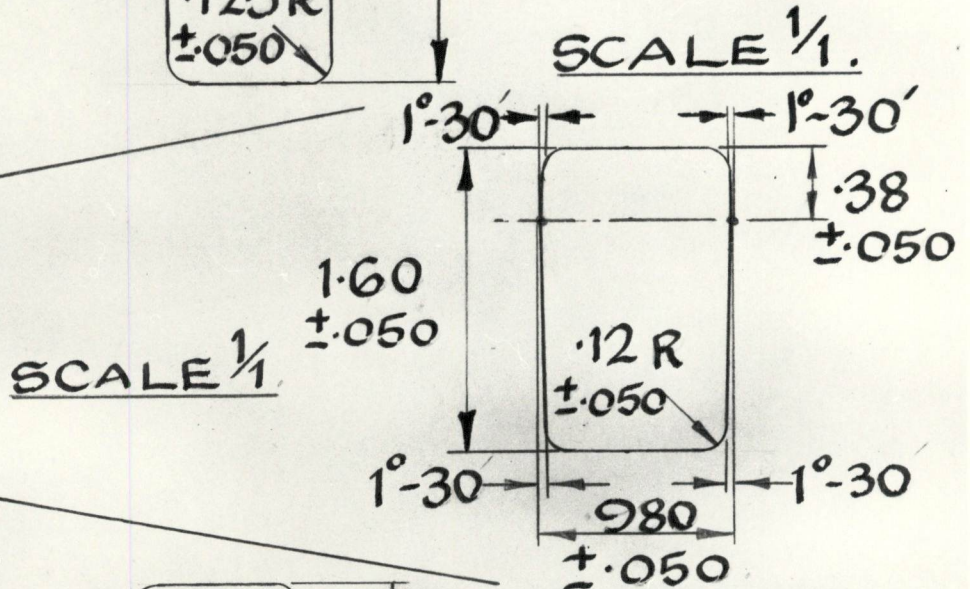
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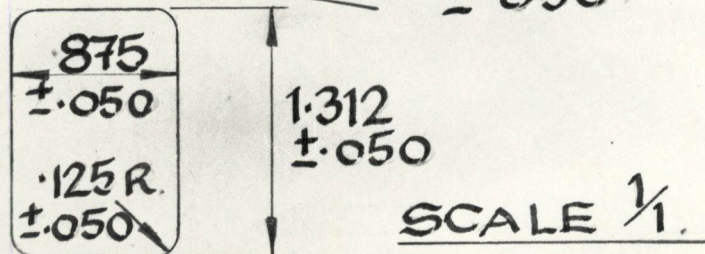
Drawing inlet manifold ports, side of cylinderhead. Indicate scale or dimensions and manufacturing tolerance.



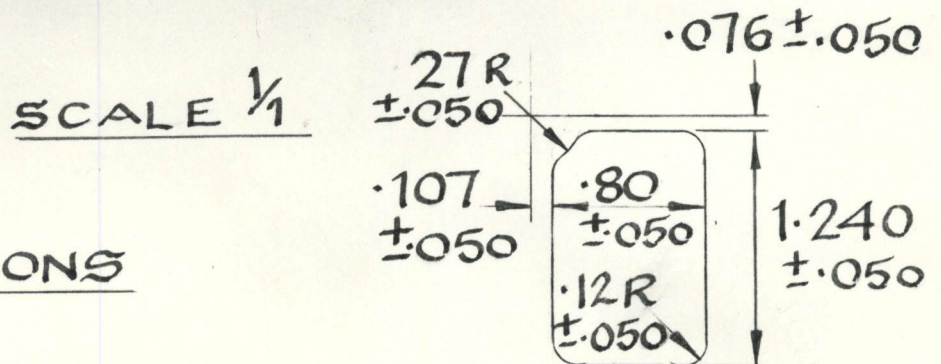
Drawing of entrance to inlet port of cylinderhead. Indicate scale or dimensions and manufacturing tolerance.



Drawing of exhaust manifold ports, side of cylinderhead. Indicate scale or dimensions and manufacturing tolerance.



Drawing of exit to exhaust port of cylinderhead. Indicate scale or dimensions and manufacturing tolerance.



ALL DIMENSIONS
IN INCHES

THE ROVER CO LTD
9-12-70

TWO PORTS PER HEAD
ARE AS DRAWN TWO
ARE OPPOSITE HAND

Make Rover Model Range Rover F.I.A. Rec. No. _____

NOTE 1.

All dimensions must be given in two measuring systems, see Note 3.

CAPACITIES AND DIMENSIONS

- | | | | | |
|----------------|------|-----|------|--------|
| 1. Wheelbase | 2540 | mm. | 100 | inches |
| 2. Front track | 1486 | mm. | 58.5 | inches |
| 3. Rear track | 1486 | mm. | 58.5 | inches |

Beam axle
 No alteration in track
 even with 15" wheels

See Note 2

Beam axle
 No alteration in track
 even with 15" wheels

See Note 2

- | | | | | |
|--|-------|-------|------|------------|
| 4. Overall length of the car | 447.0 | cm. | 176 | inches |
| 5. Overall width of the car | 177.8 | cm. | 70 | inches |
| 6. Overall height of the car | 177.8 | cm. | 70 | inches |
| 7. Capacity of fuel tank (reserve included) | 76 | ltrs. | 20 | gall. U.S. |
| | | | 16.7 | gall. Imp. |
| 8. Seating Capacity. | Five | | | |
| 9. Weight. Total weight of the car with normal equipment, water, oil, and spare wheel but without fuel or repair tools : | 1700 | kg. | 3740 | lbs. |
| | | | 33.4 | cwts. |

52kb: 167.5 cm (width at vertical of wheel axles)

NOTE 2.

Differences in track caused by the use of other wheels with different rim widths must be stated when recognition is requested for the wheels concerned. Specify ground clearance in relation to the track and give drawing of two easily recognisable points at front and rear at which measurements are taken. These ground clearance dimensions are only for information when checking the track and can in no way affect the eligibility of the car.

NOTE 3.

CONVERSION TABLE

1 inch/pouce	— 2.54	cm.	1 quart US	— 0.9464	ltrs.
1 foot/pied	— 30.4794	cm.	1 pint (pt)	— 0.568	ltrs.
1 sq. inch/pouce carre	— 6.452	cm. ²	1 gallon Imp.	— 4.546	ltrs.
1 cubic inch/pouce cube	— 16.387	cm. ³	1 gallon US	— 3.785	ltrs.
1 pound/livre (lb)	— 453.593	gr.	1 hundred weight (cwt.)	— 50.802	kg.

CHASSIS AND COACHWORK (Photographs A, B and C)

20. Chassis/body construction: separate/unitary construction **Separate**
21. Unitary construction, material(s)
22. Separate construction, Material(s) of chassis **Steel**
23. Material(s) of coachwork **Steel framework, steel and aluminium cladding, aluminium roof.**
24. Number of doors **2** Material(s) **Steel frame alu. cladding.**
25. Material(s) of bonnet **Aluminium and steel.** **Optional**
26. Material(s) of ~~boot lid~~ Tailgate - steel frame and cladding
27. Material(s) of rear-window **Glass in steel frame**
28. Material(s) of windscreen **Toughened or laminated glass in steel frame**
29. Material(s) of front-door windows **Glass**
30. Material(s) of rear-door windows **-**
31. Sliding system of door windows **Mechanical wind**
32. Material(s) of rear-quarter light **Glass**

ACCESSORIES AND UPHOLSTERY

38. Interior heating : yes — no **Yes**
39. Air conditioning : yes — no **Yes** **Individual safety seats PVC vac formed.**
40. Ventilation : yes — no **Yes**
41. Front seats, type of seat and upholstery **PVC vac formed.**
42. Weight of front seat(s), complete with supports and rails, out of the car :
- | | | | |
|----|-----|----|------|
| 34 | kg. | 75 | lbs. |
|----|-----|----|------|
43. Rear seats, type of seat and upholstery **Bench, vac formed, foam filled PVC**
44. Front bumper, material(s) **steel** Weight **7.75** kg. **17** lbs.
45. Rear bumper, material(s) **steel** Weight **9.1** kg. **20** lbs.

WHEELS

50. Type **205 x 16 Rostyle steel**
51. Weight (per wheel, without tyre) **13.2** kg. **29** lbs.
52. Method of attachment **5 studs**
53. Rim diameter **406** mm. **16** ins. 54. Rim width **152** mm. **6** ins.

STEERING

60. Type **Burman re-circulating ball worm & nut 18.2:1 straight ahead.**
61. Servo-assistance : yes — no **Optional extra**
62. Number of turns of steering wheel from lock to lock **3.75**
63. In case of servo-assistance **-**

Make Rover

Model Range Rover

F.I.A. Rec. No. 629

SUSPENSION

- 70. Front suspension (photograph D), type **Beam axle, coil springs and radius arms**
- 71. Type of spring **coil**
- 72. Stabiliser (if fitted) **Panhard rod and radius arms**
- 73. Number of shock absorbers **2**
- 74. Type **Hydraulic, telescopic double-acting**
- 78. Rear suspension (photograph E), type **beam axle, coil springs, radius arms, 'A' frame with Hydromat self-levelling device**
- 79. Type of spring **coil**
- 80. Stabiliser (if fitted) **'A' frame and radius arms**
- 81. Number of shock absorbers **2**
- 82. Type **Hydraulic, telescopic double-acting**

BRAKES (photographs F and G)

- 90. Method of operation **Hydraulic, discs all round, separate drum brake on transmission.**
- 91. Servo-assistance (if fitted), type **Lockheed mechanical with integral tandem master cylinder,**
- 92. Number of hydraulic master cylinders **one integral tandem**

	FRONT 2 pairs	REAR 1 pair
93. Number of cylinders per wheel		
94. Bore of wheel cylinder(s)	41.5mm.1.625inches	41.5 mm.1.625inches

Drum Brakes (Transmission)

95. Inside diameter	184 mm.7.25 inches	mm. inches
96. Length of brake linings	mm. inches	mm. inches
97. Width of brake linings	76 mm. 3 inches	mm. inches
98. Number of shoes per brake	Two	
99. Total area per brake	mm. ² sq. in.	mm. ² sq. in.

Disc Brakes

100. Outside diameter	298	mm.11.75inches	290	mm.11.42inches
101. Thickness of disc	12.7	mm.0.5 inches	12.7	mm.0.5 inches
102. Length of brake linings	99	mm.3.85 inches	86	mm.3.38 inches
103. Width of brake linings	53	mm.2.27 inches	49	mm.1.97 inches
104. Number of pads per brake	2		2	
105. Total area per brake		mm. ² 126.5sq. in.		mm. ² 111.5sq. in.

Make Rover

Model Range Rover

F.I.A. Rec. No. 629

ENGINE (photographs J and K)

- | | | | |
|---|----------------------------------|--|---------------------------------------|
| 130. Cycle | Four stroke | 131. Number of cylinders | 8 |
| 132. Cylinder Arrangement | 90° vee | | |
| 133. Bore | 88.9 mm. 3.5 in. | 134. Stroke | 71.1 mm. 2.8 in. |
| 135. Capacity per cylinder | | | 441 cm. ³ 26.875 cu. in. |
| 136. Total cylinder capacity | | | 3528 cm. ³ 215 cu. in. |
| 137. Material(s) of cylinder block | Alu. Alloy | 138. Material(s) of sleeves (if fitted) | Cast Iron |
| 139. Cylinder head, material(s) | Alu. Alloy | Number fitted | Two |
| 140. Number of inlet ports | eight | 141. Number of exhaust ports | eight |
| 142. Compression ratio | 8.5:1 | | |
| 143. Volume of one combustion chamber | | | 34.09 cm. ³ 2.0754 cu. in. |
| 144. Piston, material | Alu. alloy | 145. Number of rings | three |
| 146. Distance from gudgeon pin centre line to highest point of piston crown | | | 1.860 in. |
| | | | 47.24 mm. |
| 147. Crankshaft : moulded/stamped | moulded | 148. Type of crankshaft: integral/yes..... | |
| 149. Number of crankshaft main bearings | five | | |
| 150. Material of bearing cap | cast iron | | |
| 151. System of lubrication : dry sump/oil in sump | oil in sump | | |
| 152. Capacity, lubricant | 5.68 ltrs. 10 pts. 6 quarts U.S. | | |
| 153. Oil cooler : yes/no | no | 154. Method of engine cooling | liquid coolant |
| 155. Capacity of cooling system | 11 ltrs. 20 pts. 12 quarts U.S. | | |
| 156. Cooling fan (if fitted) dia. | | | 40.6 cm. 16 in. |
| 157. Number of blades of cooling fan | five blades | | |

Bearings

- | | | | | |
|-----------------------------------|--------------------|------|-----------|------------|
| 158. Crankshaft main, type | lead-bronze-indium | dia. | 76.2 m.m. | 2.9997 in. |
| 159. Connecting rod big end, type | lead-bronze-indium | dia. | 50.8 m.m. | 2.0005 in. |

Weights

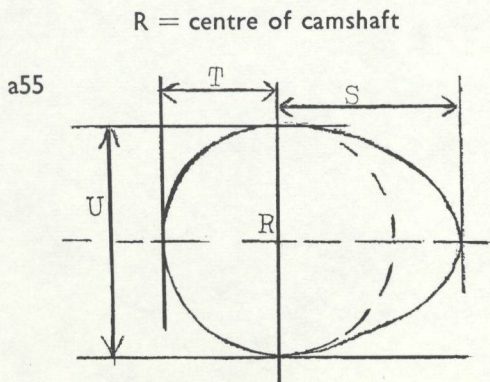
- | | | | |
|---|---------------------|---------------------|---------------------|
| 160. Flywheel (clean) | | 15.9 kg. | 35 lbs. |
| 161. Flywheel with clutch (all turning parts) | | 27.3 kg. | 60 lbs. |
| 162. Crankshaft | 17.6 kg. 38.75 lbs. | 163. Connecting rod | .485 kg. 1.065 lbs. |
| 164. Piston with rings and pin | | .568 kg. | 1.25 lbs. |

ENGINE ACCESSORIES

- 230. Fuel pump : mechanical and/or electrical mechanical
- 231. No. fitted one
- 232. Type of ignition system Ballasted Coil 233. No. of distributors one
- 234. No. of ignition coils one 235. No. of spark plugs per cylinder one
- 236. Generator, type: dynamo/alternator—number one Alternator Lucas 16ACR
fitted
- 237. Method of drive belt
- 238. Voltage of generator 12 volts
- 239. Battery, number one
- 240. Location off-side front wing
- 241. Voltage of battery 12 volts

ENGINE AND CAR PERFORMANCES (as declared by manufacturer in catalogue)

- 250. Max. engine output 156 (type of horsepower: gross) at 5000 r.p.m.
- 251. Max. r.p.m. 5200 output at that figure 157 bhp
- 252. Max. torque 205 lb/ft at 3000 r.p.m.
- 253. Max. speed of the car 154.5 km./hour 96 miles/hour



Inlet cam

S =	20.128	mm.	0.7925	inches
T =	13.761	mm.	0.5418	inches
U =	27.521	mm.	1.0835	inches

Exhaust cam

S =	20.128	mm.	0.7925	inches
T =	13.761	mm.	0.5418	inches
U =	27.521	mm.	1.0835	inches

Make Rover

Model Range Rover

F.I.A. Rec. No. 629

DRIVE TRAIN

CLUTCH

260. Type of clutch diaphragm spring dry 261. No. of plates one
262. Dia. of clutch plates 26.7 cm. 10.5 ins.
263. Dia. of linings, inside 17.1 cm. 6.75 ins.
- outside 26.7 cm. 10.5 ins.
264. Method of operating clutch hydraulic hydrostatic operation

GEAR BOX (photograph H)

270. Manual type, make Rover Method of operation direct operated lever
271. No. of gear-box ratios forward eight 272. Synchronized forward ratios all
273. Location of gear-shift on gearbox
274. Automatic, make - type -
275. No. of forward ratios - 276. Location of gear shift -

277.	Manual		Automatic		Alternative manual/automatic			
	Ratio	No. teeth	Ratio	No. teeth	Ratio	No. teeth	Ratio	No. teeth
	Gearbox Ratio		Overall Ratio		Low Transfer			
1	4.07:1		1	16.92:1	1	47.83:1		
2	2.45:1		2	10.17:1	2	28.78:1		
3	1.50:1		3	6.25:1	3	17.68:1		
4	1.00:1		4	4.16:1	4	11.77:1		
5								
6								
reverse	3.66:1			15.23:1		43.07:1		

278. Overdrive, type Transfer Box transfer
279. Forward gears on which overdrive can be selected all
280. Overdrive ratio -

FINAL DRIVE

290. Type of final drive Beam axle 291. Type of differential Spiral bevel gear
292. Type of limited slip differential (if fitted) -
293. Final drive ratio 3.54:1
- Number of teeth Crown Wheel 46T
11 Pinion 13T

IMPORTANT—The conformity of the car with the following items of the present recognition form is to be disregarded during the scrutineering, when the vehicle has been entered in group 2 (Touring cars) or 3 (Grand Touring cars) : 41, 72, 80, 91, 142, 143, 144, 145, 146, 153, 156, 157, 160, 161, 162, 163, 164, 182, 186, 187, 188, 189, 201, 202, 203, 212, 213, 215, 216 222, 225, 230, 250, 251, 252, 253, 255 photographs I, M and N and page 4.

During the scrutineering of cars entered in group 4 (Sportscars) only the following items of the present recognition form are to be taken into consideration : 1, 2, 3, 9, 20, 21, 22, 23, 24, 25, 26, 70, 71, 78, 79, 90, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 147, 148, 149, 150, 158, 159, 170, 171, 172, 173, 185, 200, 270, 271, 274, 275, 290, 291, 292 and photographs A, B, D, E, F, G, H, J, K and O.

The vehicle described in this form has been subject to the following amendments :

on.....19..... rec. no.....List..... on.....19..... rec. no.....List.....
on.....19..... rec. no.....List..... on.....19..... rec. no.....List.....
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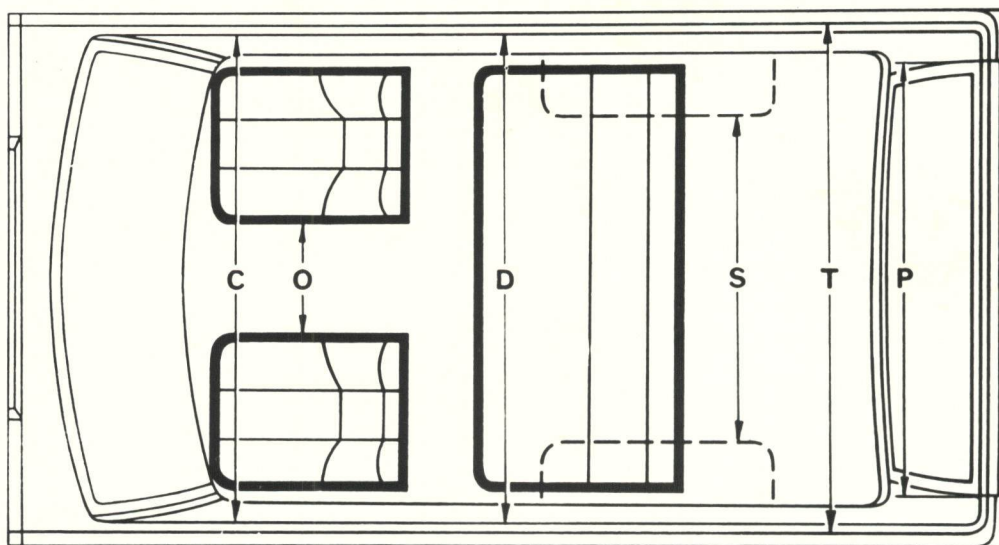
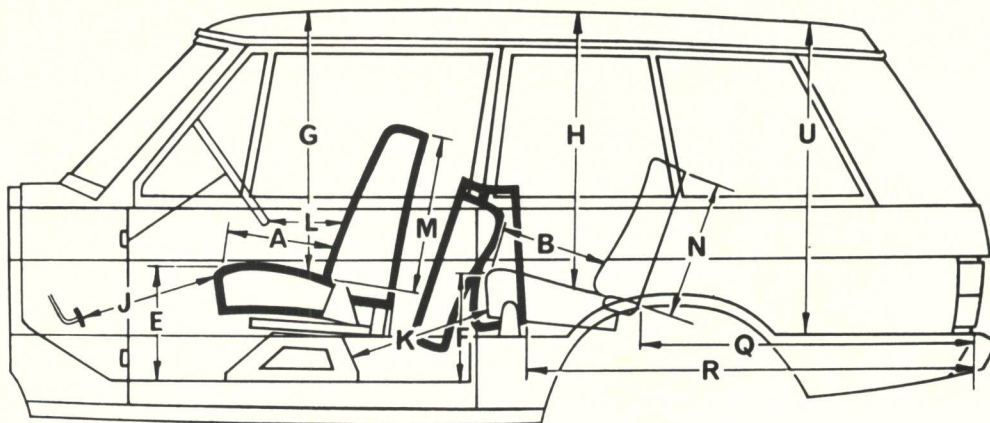
Optional equipment affecting preceding information. This to be stated together with reference number.

- a Fuel tank guard, part number E92029
- b Heated rear screen, part number 391376
- c Power assisted steering, L/H E92782 R/H 92781
- d Towing attachment E77772
- e Full flow oil cooler E92815
- f Electric fuel pump, part number 594556
- g 15 inch Rostyle wheel, 6JK rim, part number E92001

Normal manufacturer's tolerances for this model

All machined surfaces	± 0.75%
All non-machined surfaces	± 2.0%
Weights of part-machined comp.	± 2.5%
Weights of fully machined comp	± 1.25%





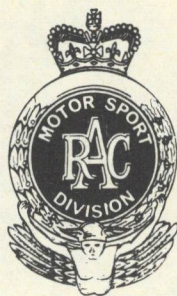
INTERIOR DIMENSIONS

		Inches	Metres
A	Front to rear of front cushion	18.00	0.457
B	Front to rear of rear cushion	16.50	0.420
C	Width of body at front of front seats	59.50	1.510
D	Width of body at front of rear seat	58.31	1.480
E	Top of front cushion to floor	13.00	0.330
F	Top of rear cushion to floor	14.50	0.370
G*	Headroom – front seat	35.00	0.890
H*	Headroom – rear seat	35.75	0.910
J	Front cushion to accelerator pedal	20.25	0.534
K	Rear cushion to front seat box	18.00	0.460
L	Front squab to steering wheel	14.75	0.375
M	Front squab height	22.25	0.560
N	Rear squab height	19.25	0.490
O	Width between front seats	17.00	0.430
P	Width of tailgate opening	55.25	1.403
Q	Payload area length (seat in position)	42.00	1.067
R	Payload area length (seat folded)	58.00	1.473
S	Payload area width (between arches)	43.00	1.092
T	Payload area width (at waist)	63.50	1.613
U	Payload area height (floor to roof)	41.00	1.041

*With a person of average weight.

Measurements taken with driver's seat in central position.

Total adjustment of driver's seat fore and aft is 7.313 in (0.186 m) 7.438 in (0.189 m) for passenger.



F.I.A. Recognition No. 629
Group 4

ROYAL AUTOMOBILE CLUB
31, Belgrave Square, London, S.W.1

PRODUCTION CERTIFICATE

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

Date 28 February 1971

Manufacturer: Rover Company Limited

Car Model: Range Rover

Production Period From 1 August 1969

to 28 February 1971

Monthly Production

Month/Year	Number
1969	57
May 1970	9
June 1970	11
July 1970	17
August 1970	41
September 1970	69
October 1970	86
November 1970	88
December 1970	125
January 1971	97
February 1971	100
TOTAL	700
Future Production Remarks rising to	200 per month 800 per month

I HEREBY certify that the production mentioned hereabove concerns cars which are entirely completed, identical and in conformity with the recognition form submitted for the said model.

(Signature)

Position: Manager - Engineering