

F.I.A. Recognition No. 1588  
Group 2 - Special touring cars.

# 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

Cylinder-capacity 1724 cm.<sup>3</sup> 105.2 in.<sup>3</sup>  
Manufacturer Rootes Motors Ltd. Model Hillman GT.  
Serial No. of chassis/body B 041000001 Manufacturer Rootes Motors Ltd.  
Serial No. of engine B 041000001 Manufacturer Rootes Motors Ltd.  
Recognition is valid from 1/1/70 List 70/4  
The manufacturing of the model described in this recognition form started on 1st July 1969.  
and the minimum production of 1000 identical cars, in accordance with the specifications of  
this form was reached on September 30 1969.

Photograph A, ¼ view of car from front



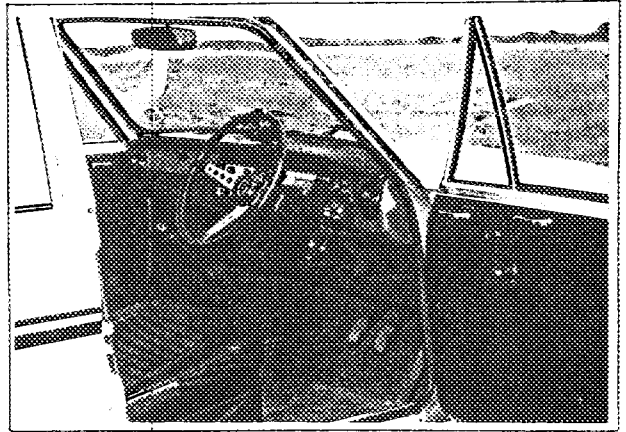
R.A.C. Stamp

*[Handwritten signature]*

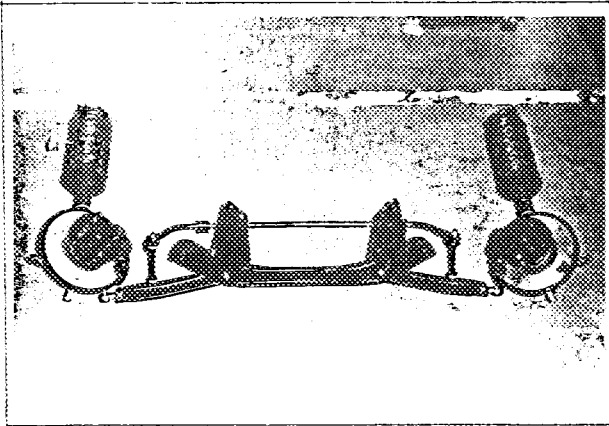
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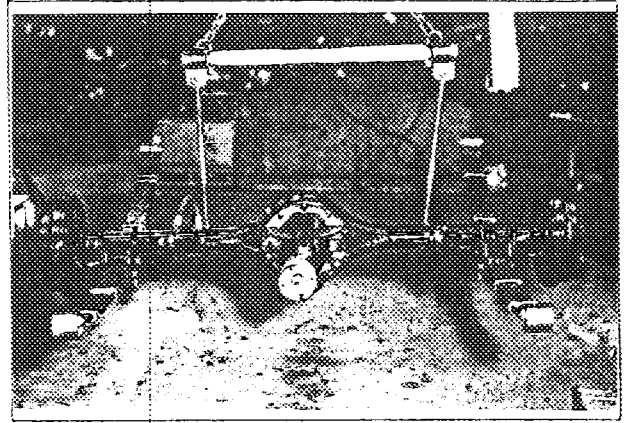
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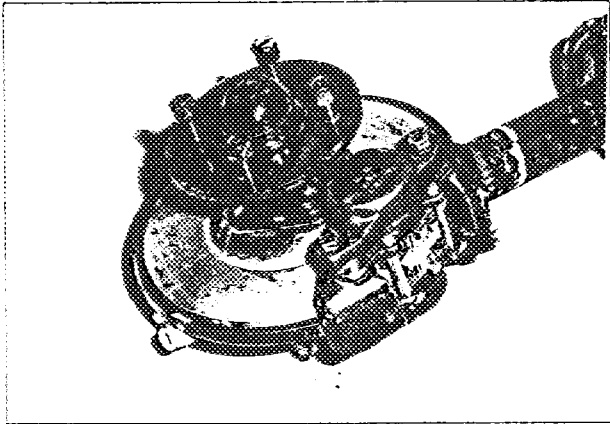
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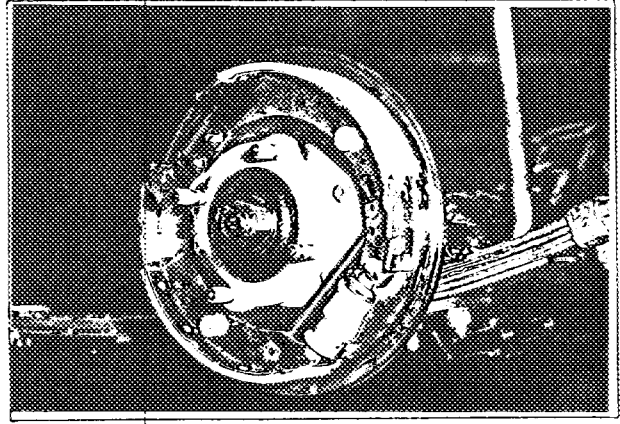
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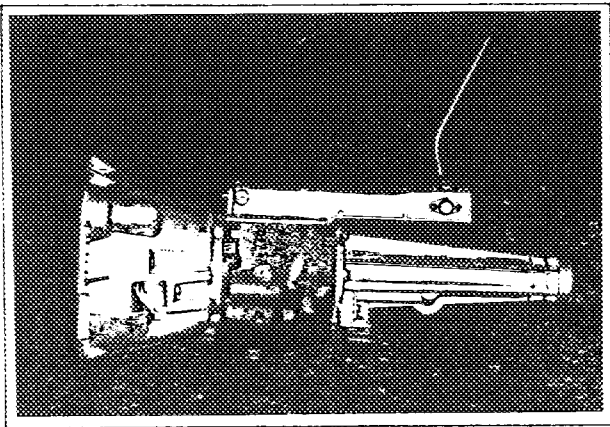
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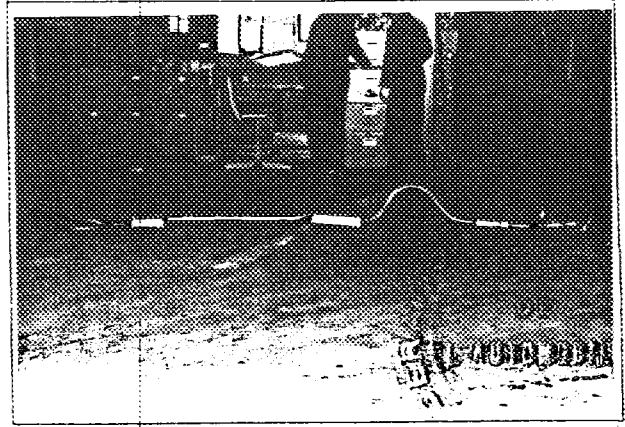
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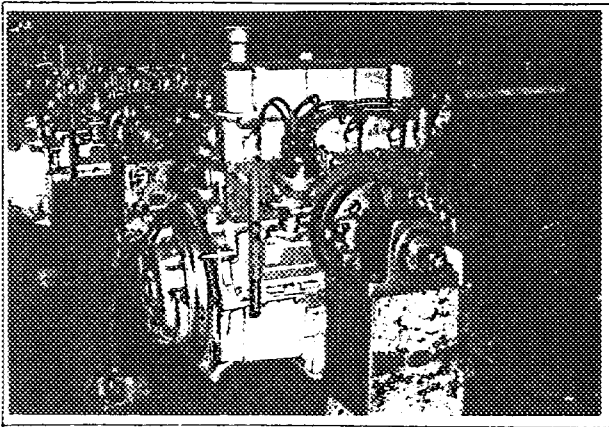


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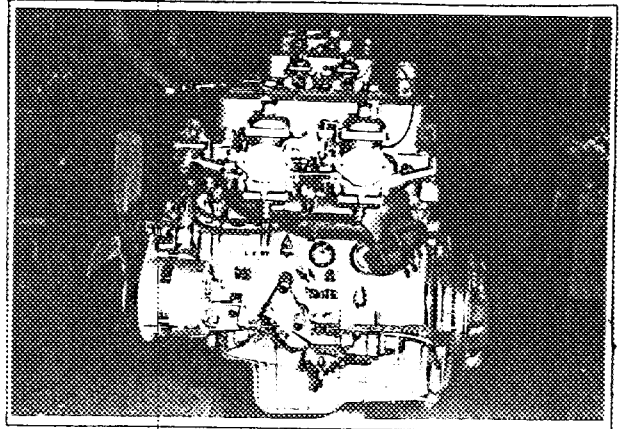


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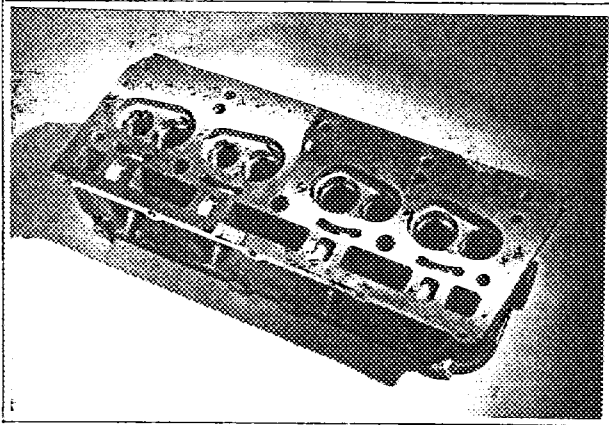




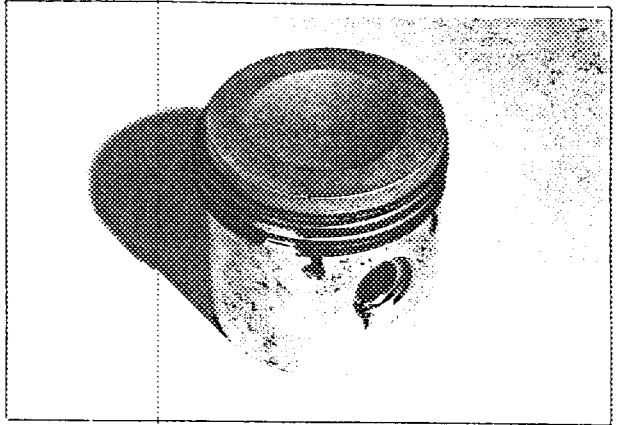
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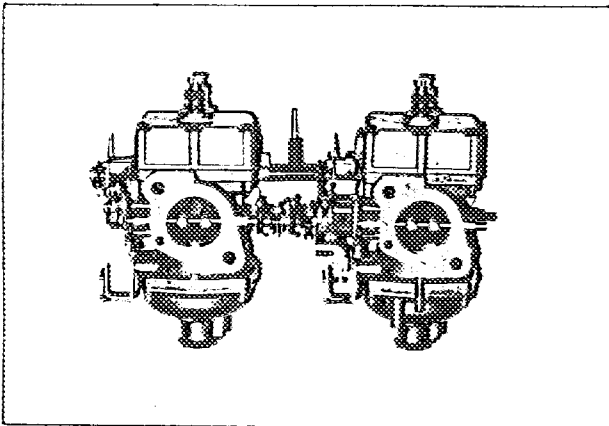
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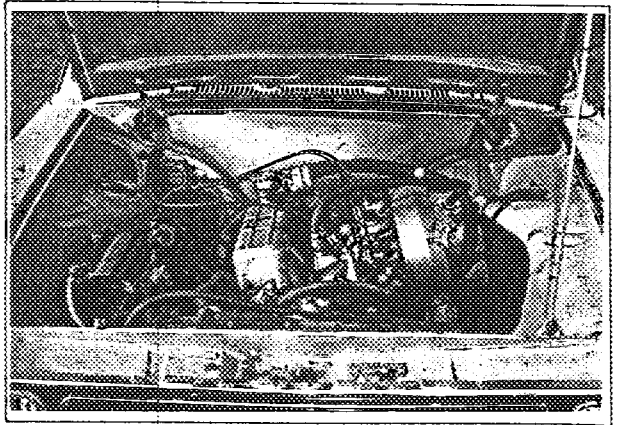
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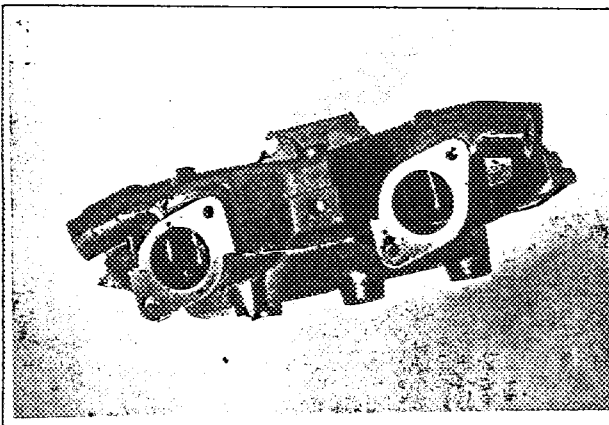
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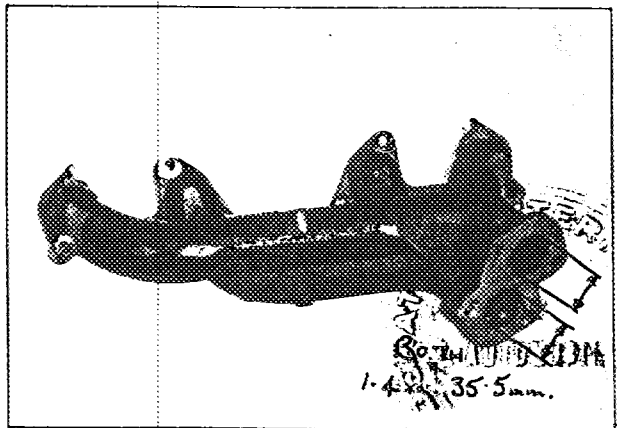
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P



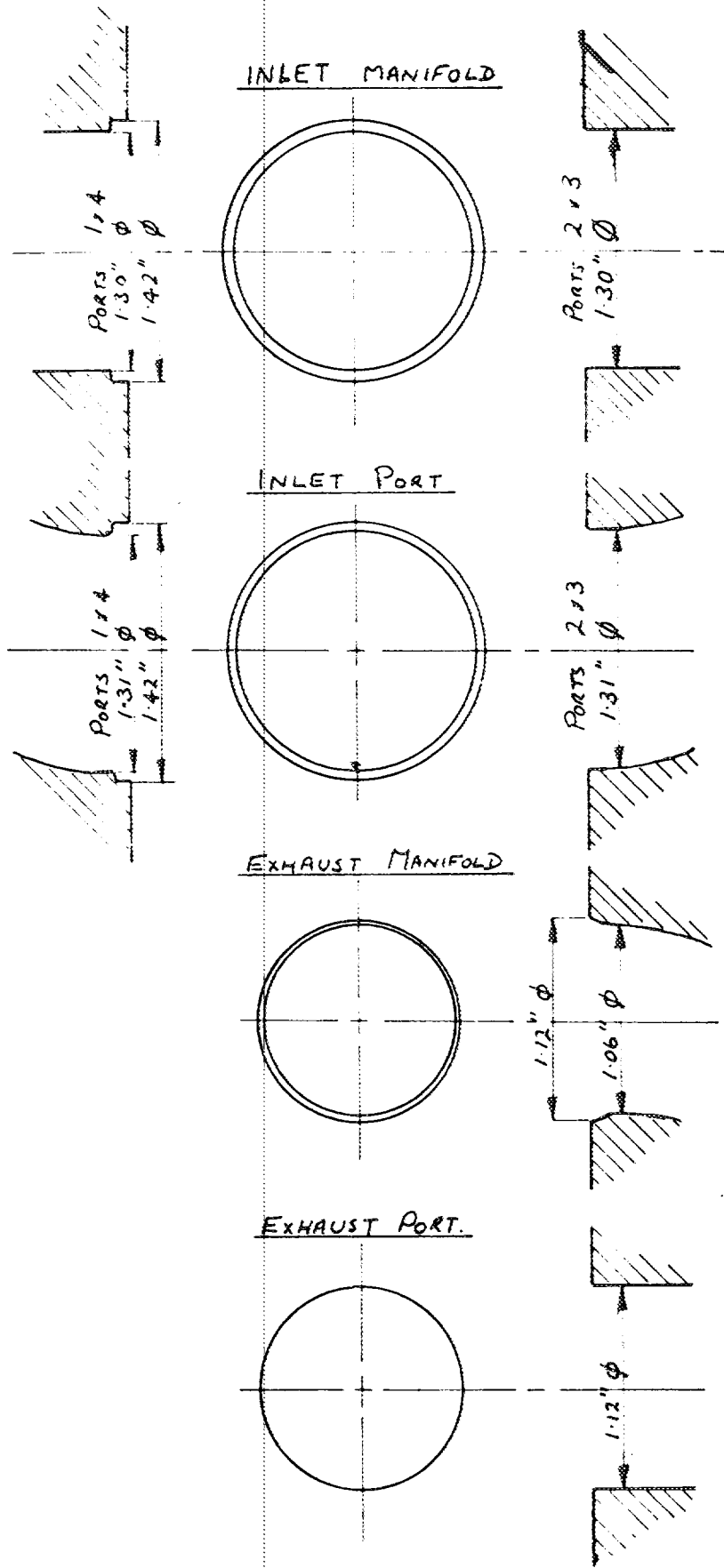
O

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.

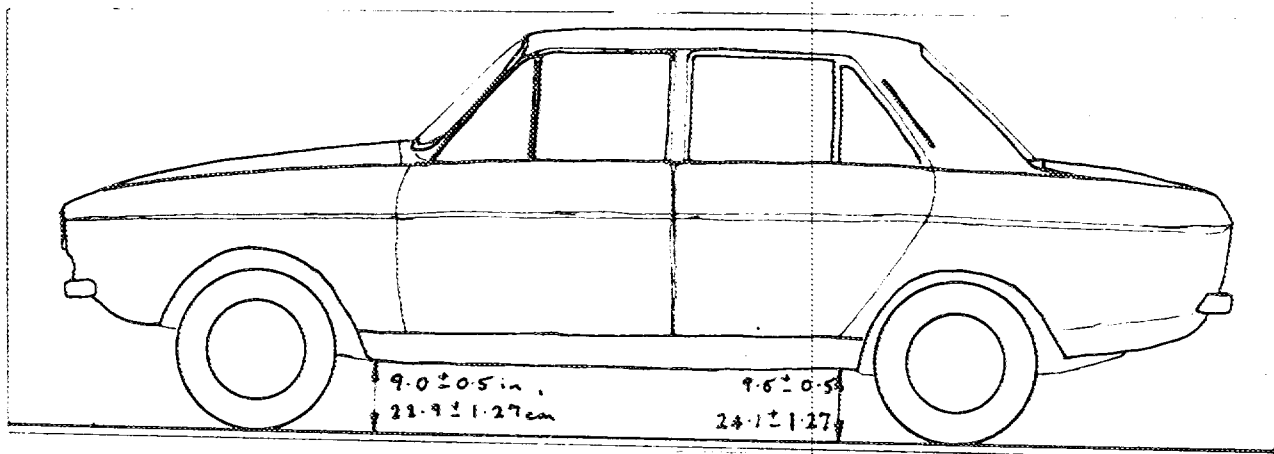


**NOTE 1.**

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

**CAPACITIES AND DIMENSIONS**

1. Wheelbase	2502 mm.	98.5 inches
2. Front track	1334 ± 12.7 mm.	52.5 ± 0.5 inches
3. Rear track	1334 mm.	52.5 inches



4. Overall length of the car	426.5 cm.	167.8 inches	
5. Overall width of the car	161.3 cm.	63.6 inches	
6. Overall height of the car	142.2 cm.	56 inches	
7. Capacity of fuel tank (reserve included)	45 ltrs.	12 gall. U.S.	10 gall. Imp.
8. Seating Capacity.	4		
9. Weight. Total weight of the car with normal equipment, water, oil, and spare wheel but without fuel or repair tools:	924 kg.	2036 lbs.	18.2 cwts.

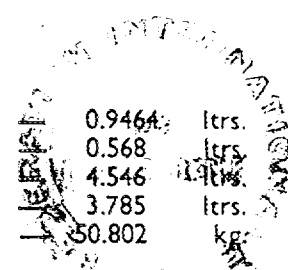
**NOTE 2.**

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
1 foot/pied	— 30.4794	cm.	1 pint (pt)
1 sq. inch/pouce carre	— 6.452	cm. <sup>2</sup>	1 gallon Imp.
1 cubic inch/pouce cube	— 16.387	cm. <sup>3</sup>	1 gallon US
1 pound/livre (lb)	— 453.593	gr.	1 hundred weight (cwt.)



**CHASSIS AND COACHWORK (Photographs A, B and C)**

- 20. Chassis/body construction: ~~separate~~/unitary construction
- 21. Unitary construction, material(s) ~~(s)~~ **Steel.**
- 22. Separate construction, Material(s) of chassis **-**
- 23. Material(s) of coachwork **Steel**
- 24. Number of doors **4** Material(s) **Steel**
- 25. Material(s) of bonnet **Steel**
- 26. Material(s) of boot lid **Steel**
- 27. Material(s) of rear-window **Safety Glass**
- 28. Material(s) of windscreen **Safety Glass**
- 29. Material(s) of front-door windows **Safety Glass**
- 30. Material(s) of rear-door windows **Safety Glass**
- 31. Sliding system of door windows **Vertical Winding.**
- 32. Material(s) of rear-quarter light **Safety Glass**

**ACCESSORIES AND UPHOLSTERY**

- 38. Interior heating : yes ~~→XXX~~
- 39. Air conditioning : ~~yes~~—no
- 40. Ventilation : yes ~~→XXX~~
- 41. Front seats, type of seat and upholstery **Ambla on Cushion frame.**
- 42. Weight of front seat(s), complete with supports and rails, out of the car :  

11.1 kg.	24.50 lbs.
----------	------------
- 43. Rear seats, type of seat and upholstery **Ambla on Cushion frame.**
- 44. Front bumper, material(s) **Steel.** Weight **2.5 kg.** **5.5 lbs.**
- 45. Rear bumper, material(s) **Steel.** Weight **2.54 kg.** **5.61 lbs.**

**WHEELS**

- 50. Type **Pressed steel ventilated disc.**
- 51. Weight (per wheel, without tyre) **7.7 kg.** **16.95 lbs.**
- 52. Method of attachment **4 stud.**
- 53. Rim diameter **330.2 mm.** **13 ins.** 54. Rim width **127 mm.** **5.0 ins.**

**STEERING**

- 60. Type **Recirculating Ball.**
- 61. Servo-assistance : yes ~~→XXX~~
- 62. Number of turns of steering wheel from lock to lock **3.75.**
- 63. In case of servo-assistance **-**



**SUSPENSION**

- 70. Front suspension (photograph D), type Independant hydraulic strut assemblies.
- 71. Type of spring Coil.
- 72. Stabiliser (if fitted) Bar and brake reaction rod.
- 73. Number of shock absorbers 2 74. Type Telescopic.
- 78. Rear suspension (photograph E), type Rigid axle.
- 79. Type of spring Semi eliptic leaf.
- 80. Stabiliser (if fitted) Nil.
- 81. Number of shock absorbers 2 82. Type Telescopic.

**BRAKES** (photographs F and G)

- 90. Method of operation Hydraulic.
- 91. Servo-assistance (if fitted), type Vacuum.
- 92. Number of hydraulic master cylinders 1

93. Number of cylinders per wheel	<u>2 FRONT</u>	<u>1 REAR</u>
94. Bore of wheel cylinder(s)	<u>53.98 mm. 2.125 inches</u>	<u>19.05 mm. 0.75 inches</u>

**Drum Brakes**

95. Inside diameter	<u>mm. inches</u>	<u>228.6 mm. 9.0 inches</u>
96. Length of brake linings	<u>mm. inches</u>	<u>219 mm. 8.62 inches</u>
97. Width of brake linings	<u>mm. inches</u>	<u>43.63 mm. 1.72 inches</u>
98. Number of shoes per brake		<u>2</u>
99. Total area per brake	<u>mm.<sup>2</sup> sq. in.</u>	<u>17967 mm.<sup>2</sup> 27.85sq. in.</u>

**Disc Brakes**

100. Outside diameter	<u>243.8 mm. 9.6 inches</u>	<u>mm. inches</u>
101. Thickness of disc	<u>8.39 mm. 0.35 inches</u>	<u>mm. inches</u>
102. Length of brake linings	<u>78.74 mm. 3.10 inches</u>	<u>mm. inches</u>
103. Width of brake linings	<u>46.5 mm. 1.83 inches</u>	<u>mm. inches</u>
104. Number of pads per brake	<u>2</u>	
105. Total area per brake	<u>6220 mm.<sup>2</sup> 9.64 sq. in.</u>	<u>mm.<sup>2</sup> sq. in.</u>

ENGINE (photographs J and K)

- |   |                                  |   |                     |
|---|----------------------------------|---|---------------------|
| 130. Cycle  | 4 stroke.                        | 131. Number of cylinders                | 4                   |
| 132. Cylinder Arrangement   | In line inclined at 10°.         |   |                     |
| 133. Bore   | 81.5 mm. 3.21 in.                | 134. Stroke                             | 82.5 mm. 3.25 in.   |
| 135. Capacity per cylinder  |                                  | 431 cm. <sup>3</sup>                    | 26.3 cu. in.        |
| 136. Total cylinder capacity  |                                  | 1724 cm. <sup>3</sup>                   | 105.2 cu. in.       |
| 137. Material(s) of cylinder block  | Cast Iron.                       | 138. Material(s) of sleeves (if fitted) | Nil.                |
| 139. Cylinder head, material(s)   | Aluminium.                       | Number fitted                           | 1                   |
| 140. Number of inlet ports  | 4                                | 141. Number of exhaust ports            | 4                   |
| 142. Compression ratio  | 9.2 : 1 Nominal. ( 8.57 - 9.72 ) |   |                     |
| 143. Volume of one combustion chamber                                       |                                  | 38.6±2.1 cm. <sup>3</sup>               | 2.36±0.123 cu. in.  |
| 144. Piston, material   | Aluminium.                       | 145. Number of rings                    | 3                   |
| 146. Distance from gudgeon pin centre line to highest point of piston crown |                                  | 47.00 mm.                               | 1.850 in.           |
|   |                                  | 46.85                                   | 1.845               |
| 147. Crankshaft: moulded/ <del>scraped</del>                                |                                  | 148. Type of crankshaft: integral/      | Yes.                |
| 149. Number of crankshaft main bearings                                     | 5                                |   |                     |
| 150. Material of bearing cap  | Cast Iron.                       |   |                     |
| 151. System of lubrication: <del>dry sump</del> /oil in sump                |                                  |   |                     |
| 152. Capacity, lubricant  | 3.7 ltrs. 6.5 pts.               | 3.9 quarts U.S.                         | ( Without filter ). |
| 153. Oil cooler: <del>yes</del> /no   |                                  | 154. Method of engine cooling           | Water.              |
| 155. Capacity of cooling system   | 7.8 ltrs. 13.8 pts.              | 8.27 quarts U.S.                        |                     |
| 156. Cooling fan (if fitted) dia.   |                                  | 36.8 cm.                                | 14.5 in.            |
| 157. Number of blades of cooling fan  | 4                                |   |                     |

Bearings

- |                                   |        |      |           |           |
|-----------------------------------|--------|------|-----------|-----------|
| 158. Crankshaft main, type        | Shell. | dia. | 60.3 m.m. | 2.374 in. |
| 159. Connecting rod big end, type | Shell. | dia. | 54.0 m.m. | 2.126 in. |

Weights

- |   |                   |                     |                      |
|---|-------------------|---------------------|----------------------|
| 160. Flywheel (clean)                         |                   | 10.036 kg.          | 22.125 lbs.          |
| 161. Flywheel with clutch (all turning parts) |                   | 14.72 kg.           | 32.448 lbs.          |
| 162. Crankshaft                               | 14.97 kg. 33 lbs. | 163. Connecting rod | 0.751 kg. 1.656 lbs. |
| 164. Piston with rings and pin                |                   | 0.626 kg.           | 1.379 lbs.           |



**FOUR STROKE ENGINES**

170. Number of camshafts 1. 171. Location R.H.S. of crankcase.  
 172. Type of camshaft drive Single stage duplex chain.  
 173. Type of valve operation Push-rod and rocker.

**INLET** (see page 4)\*

180. Material(s) of inlet manifold Aluminium.  
 181. Diameter of valves 38.23 mm. 1.505 ins.  
 182. Max. valve lift 10.3 mm. 0.406 in. 183. Number of valve springs 2  
 184. Type of spring Coil 185. Number of valves per cylinder 1  
 186. Tappet clearance for checking timing (cold/warm) 0.305 mm. 0.012 ins.  
 187. Valves open at (with tolerance for tappet clearance indicated) 57° B.T.D.C.  
 188. Valves close at (with tolerance for tappet clearance indicated) 91° A.B.D.C.  
 189. Air filter, type Paper element.

**EXHAUST** (see page 4)\*

195. Material(s) of exhaust manifold Cast Iron.  
 196. Diameter of valves 30.63 mm. 1.206 ins.  
 197. Max. valve lift 10.25 mm. 0.404 in. 198. Number of valve springs 2  
 199. Type of spring Coil. 200. Number of valves per cylinder 1  
 201. Tappet clearance for checking timing (cold/warm) 0.356 mm. 0.014 ins.  
 202. Valves open at (with tolerance for tappet clearance indicated) 90° B.B.D.C.  
 203. Valves close at (with tolerance for tappet clearance indicated) 44° A.T.D.C.  
 204. Diameter outlet orifice exhaust manifold 35.56 mm. 1.40 ins.

**CARBURETION** (photograph N)

210. Number of carburettors fitted 2 211. Type Horizontal.  
 212. Make Zenith. 213. Model 150 CDS.  
 214. Number of mixture passages per carburettor 1  
 215. Flange hole diameter of exit port(s) of carburettor 38.1 mm. 1.50 ins.  
 216. Minimum diameter of venturi/minimum diam.. with piston at maximum height (example : SU)  
25.4 mm. 1.00 ins.

**INJECTION** (if fitted) NIL.

220. Make of pump 221. Number of plungers  
 222. Model or type of pump 223. Total number of injectors  
 224. Location of injectors  
 225. Minimum diameter of inlet pipe mm. ins.

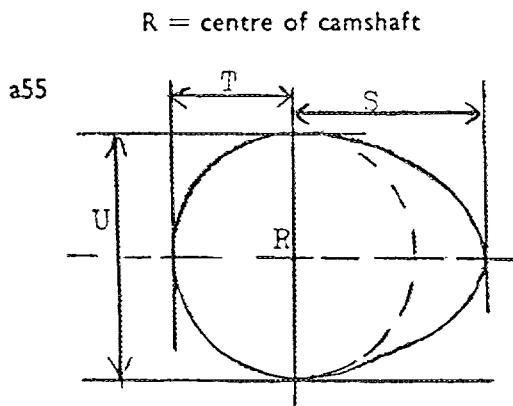
\* For additional information concerning two-stroke engines and super-charged engines, see page 13.

**ENGINE ACCESSORIES**

230. Fuel pump : mechanical ~~and/or electric~~
231. No. fitted 1
232. Type of ignition system Coil. 233. No. of distributors 1.
234. No. of ignition coils 1 235. No. of spark plugs per cylinder 1.
236. Generator, type : ~~dynamo~~/alternator—number fitted 1.
237. Method of drive Belt.
238. Voltage of generator 12 volts
239. Battery, number 1
240. Location Engine compartment.
241. Voltage of battery 12 volts

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

250. Max. engine output 94 (type of horsepower: B.H.P. ) at 5,200 r.p.m.
251. Max. r.p.m. 6,400 output at that figure Not available.
252. Max. torque 104 lb ft. at 4,000 r.p.m.
253. Max. speed of the car 160 km./hour 100 miles/hour



Inlet cam and Exhaust cam (except No.3 exhaust)

S =	21.93 mm.	0.8634 inches
T =	14.35 mm.	0.565 inches
U =	28.95 mm.	1.1397 inches

Exhaust cam ( No.3 )

S =	21.45 mm.	0.8444 inches
T =	13.87 mm.	0.546 inches
U =	27.98 mm.	1.1017 inches



Make HILLMAN

Model GT,

F.I.A. Rec. No.

**IMPORTANT :**

During the scrutineering of cars entered in group 5 (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.....
on.....	19.....	rec. no.....	List.....	on.....	19.....	rec. no.....	List.....
on.....	19.....	rec. no.....	List.....	on.....	19.....	rec. no.....	List.....
on.....	19.....	rec. no.....	List.....	on.....	19.....	rec. no.....	List.....

Optional equipment affecting preceding information. This to be stated together with reference number.



MOTOR SPORT DIVISION  
The Royal Automobile Club,  
31 Belgrave Square, London, S.W.1

Manufacturer Rootes Motors Ltd

Model Hillman GT.

F.I.A. Recognition No. \_\_\_\_\_

Amendment No. 1.

*Amendment to Form of Recognition*

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

No.	Reference No.
	<u>OPTIONAL EQUIPMENT</u>
60.	Steering - Type : Recirculating ball.
61.	Servo assistance: Nil.
62.	Number of turns of steering wheel from lock to lock : 3.25.
7.	Long range fuel tank. Capacity of tank : 68.19 ltrs.      18 U.S.galls.      15 Imp.galls.

Date amendment is valid from \_\_\_\_\_

Stamp of F.I.A./R.A.C.



MOTOR SPORT DIVISION  
The Royal Automobile Club,  
31 Belgrave Square, London, S.W.1

Manufacturer Rootes Motors Ltd.

Model HILLMAN G.T.

F.I.A. Recognition No. \_\_\_\_\_

Amendment No. 2

*Amendment to Form of Recognition*

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

No.

Reference No.

OPTIONAL EXTRAS ( Not valid in Group 1 )

COMPETITION UNDERSHIELD, CTS 180010.

Width ( max ) :- 29 in, 73.5 cm.

Length :- 24 in, 61 cm.

Height :- 10 in, 25.4 cm.



Date amendment is valid from.....

Stamp of F.I.A./R.A.C.



MOTOR SPORT DIVISION  
The Royal Automobile Club,  
31 Belgrave Square, London, S.W.1

Manufacturer Rootes Motors Ltd.

Model HILLMAN G.T.

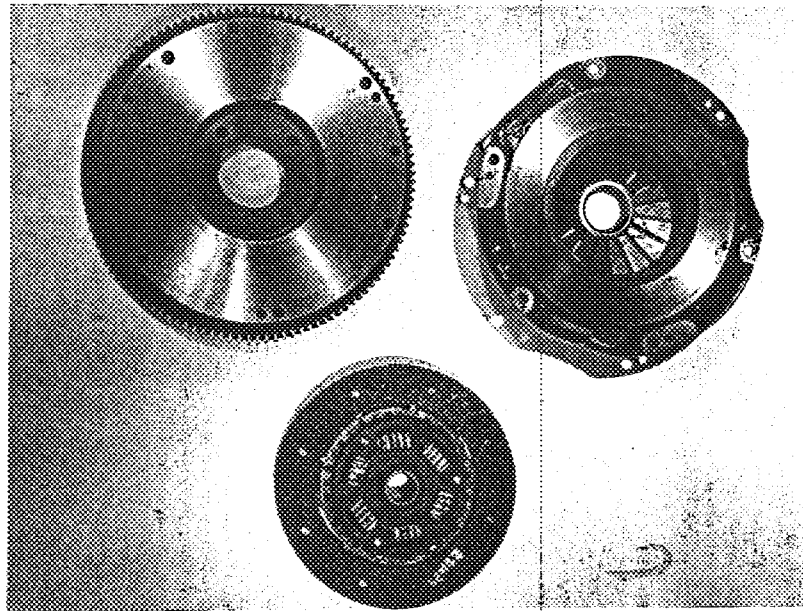
F.I.A. Recognition No. \_\_\_\_\_

Amendment No. 3.

*Amendment to Form of Recognition*

**FEDERATION INTERNATIONALE DE L'AUTOMOBILE**

No.	Reference No.	<u>OPTIONAL EXTRAS</u> ( Not valid in Group 1 )	
	HOLBAY TYPE CLUTCH.	CTS NO's	1246220, 1801582, 1801583.
260.	Type	:-	Diaphragm.
261.	No of Plates	:-	1
262.	Diameter of Plates	:-	8.5 in, 21.5 cm.
263.	Diameter of Lining	I.D. :-	5.75 in, 14.6 cm.
		O.D. :-	8.5 in, 21.5 cm.
264.	Method of operation	:-	Hydraulic.
160.	Weight of Flywheel	:-	21.1 lb, 9.6 kg.
161.	Weight of Flywheel and clutch :-		34.7 lb, 15.7 kg.

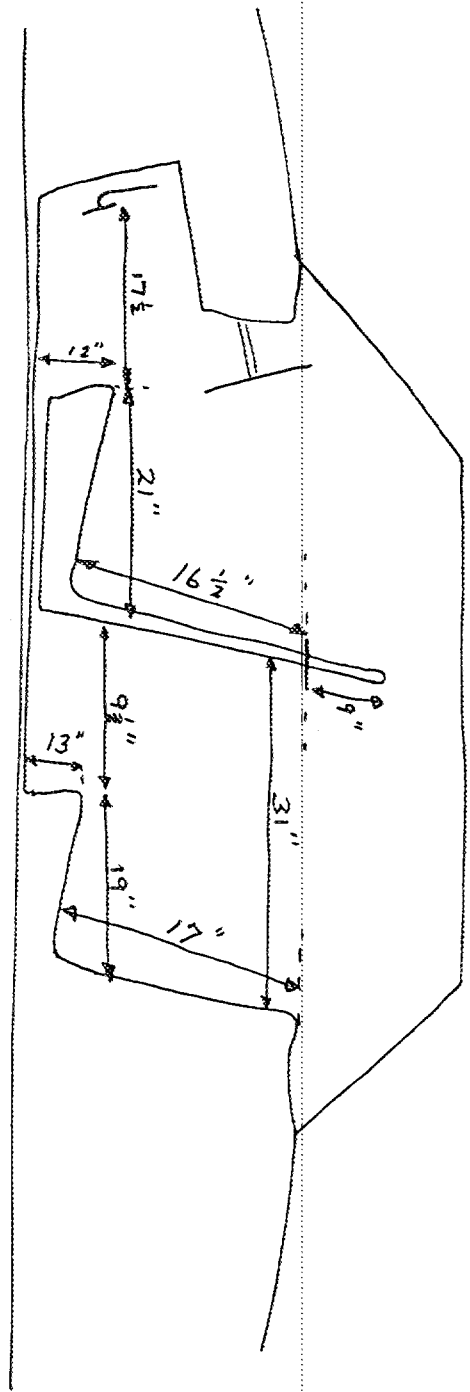


Date amendment is valid from \_\_\_\_\_

Stamp of F.I.A./R.A.C.

FEDERAL BUREAU OF INVESTIGATION  
 U.S. DEPARTMENT OF JUSTICE  
 WASHINGTON, D.C.

C =  $52\frac{1}{2}$ "  
 E =  $52\frac{1}{4}$ "  
 B =  $38\frac{1}{2}$ "  
 D =  $37\frac{3}{4}$ "



HILMAN G.T.  
 INTERIOR DIMENSIONS



