

F.I.A. Recognition No. 242

Group 4



# ROYAL AUTOMOBILE CLUB

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

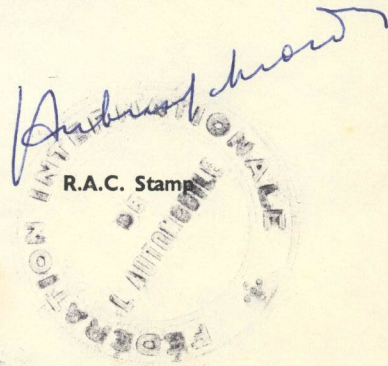
Form of recognition in accordance with appendix J to the International Sporting Code of the  
FEDERATION INTERNATIONALE DE L'AUTOMOBILE

Manufacturer MARCOS CARS COMPONENTS LTD.      Cylinder-capacity 1275 cm.<sup>3</sup> 77.9 in.<sup>3</sup>  
 Serial No. of chassis/body 7006 - 7057      Model MINI MARCOS G.T. 1300  
 Serial No. of engine 9F - SA - Y      Manufacturer MARCOS CARS COMPONENTS LTD.  
 Recognition is valid from 11th March 1968      Manufacturer BRITISH MOTOR CORPORATION  
 List 1968/4  
 The manufacturing of the model described in this recognition form started on 1ST FEBRUARY 1967  
 and the minimum production of 50 identical cars, in accordance with the specifications of  
 this form was reached on 1ST JANUARY 1968

Photograph A, ¾ view of car from front



F.I.A. Stamp



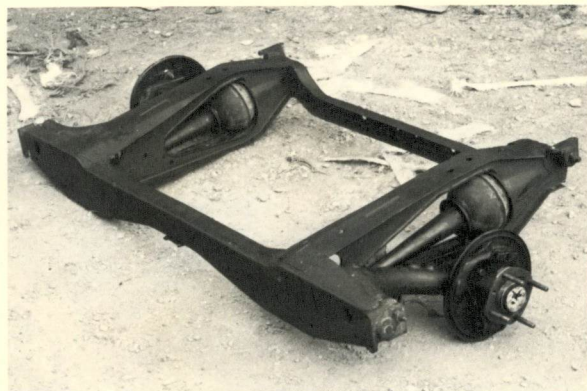
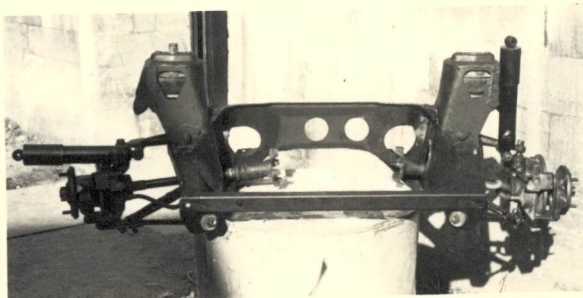
B



interior view of car through driver's door (open or removed)

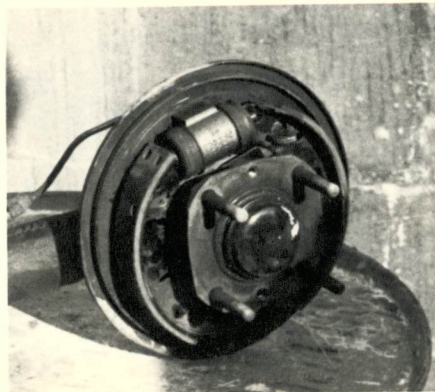
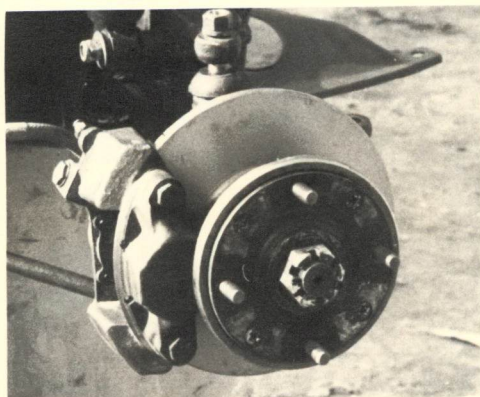
C

D



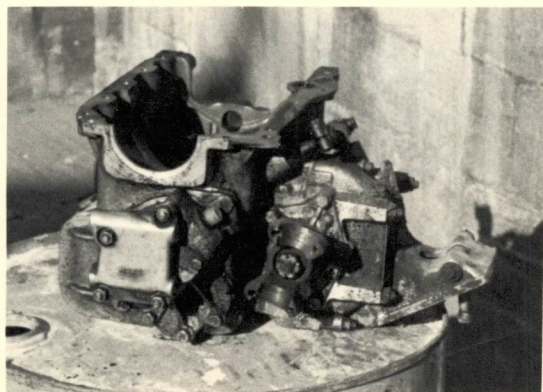
E

F



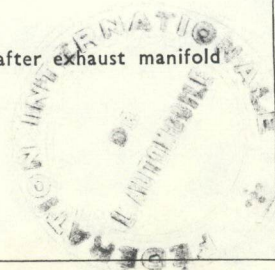
G

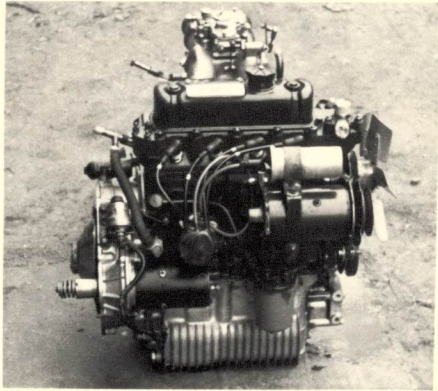
H



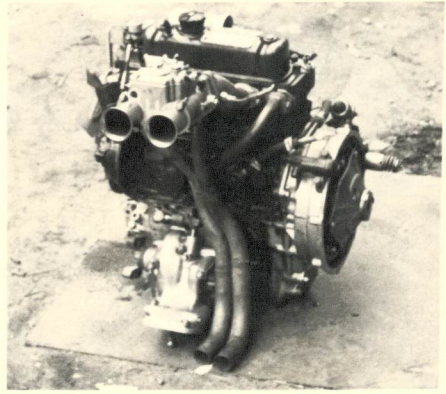
silencer + exhaust pipes after exhaust manifold

I

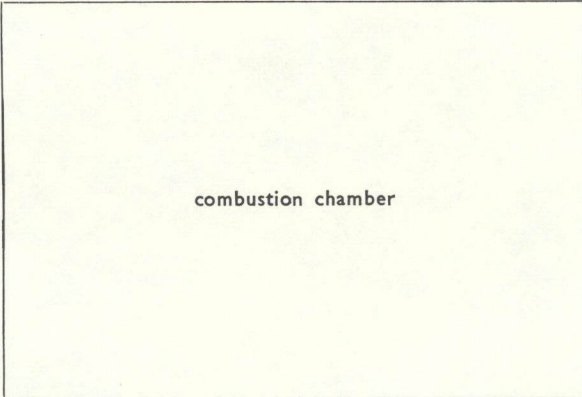




J

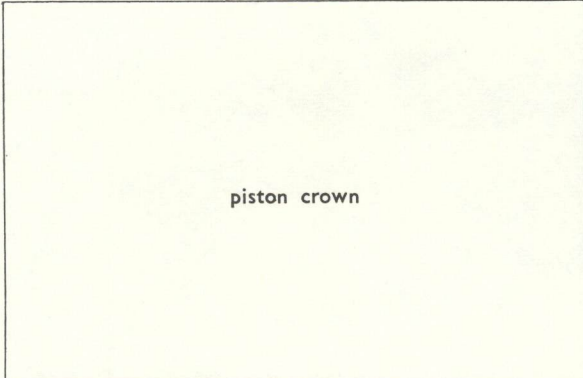


K



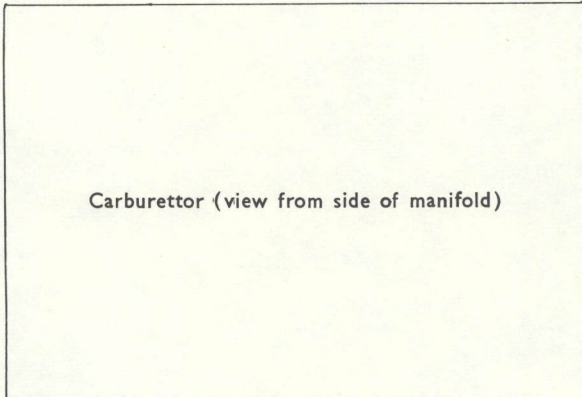
L

combustion chamber



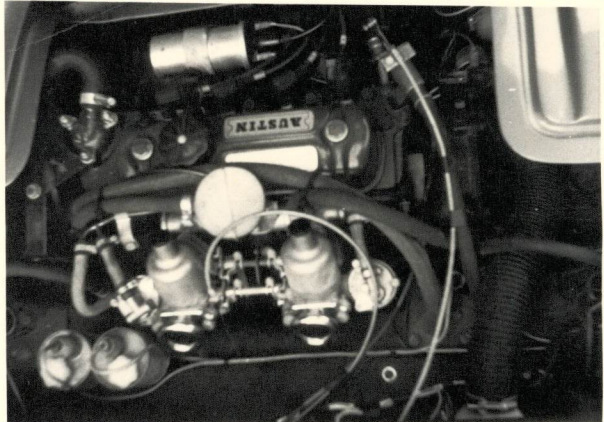
M

piston crown

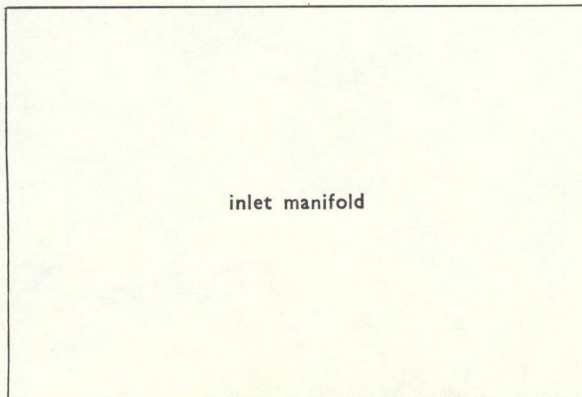


N

Carburettor (view from side of manifold)

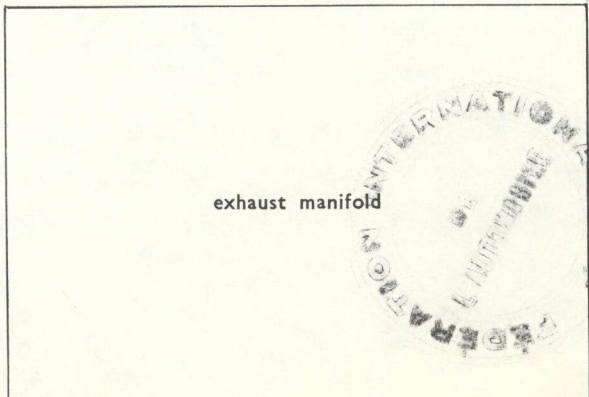


O



P

inlet manifold



exhaust manifold

Q

Make..... MARCOS.....

Model..... MINI MARCOS 1275.....

F.I.A. Rec. No.....

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

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

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

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

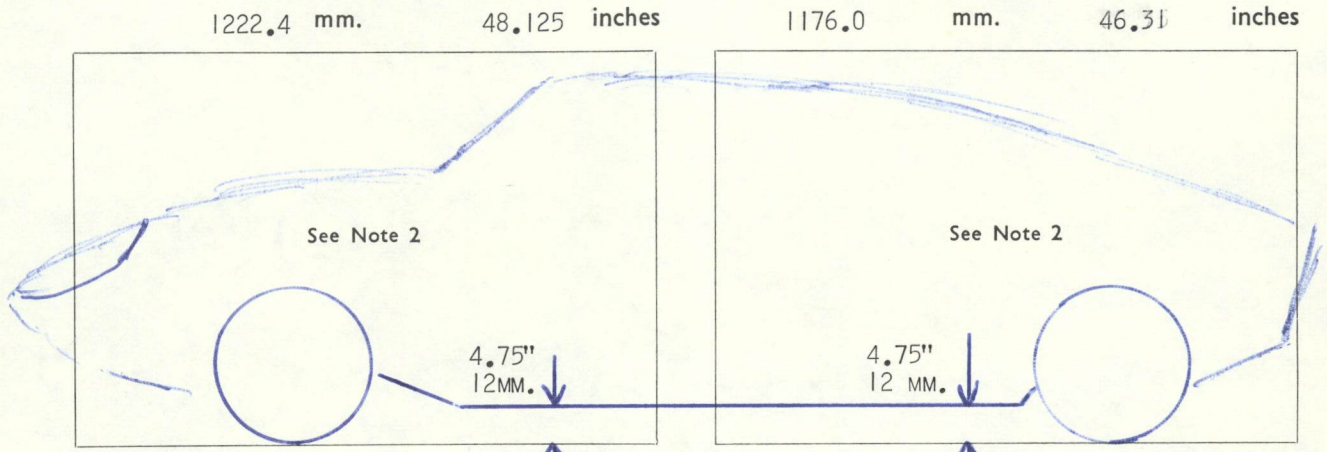


**NOTE 1.**

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

**CAPACITIES AND DIMENSIONS**

- |                                   |         |              |
|-----------------------------------|---------|--------------|
| 1. Wheelbase                      | 205 mm. | 80.75 inches |
| 2. Front track ( ± 6.35 MM/0.25") |         |              |
| 3. Rear track ( ± 6.35 MM/0.25")  |         |              |



- |   |  |  |
|---|--|--|
| 4. Overall length of the car                |  |  |
| 5. Overall width of the car                 |  |  |
| 6. Overall height of the car                |  |  |
| 7. Capacity of fuel tank (reserve included) |  |  |

ltrs.	gall. U.S.	gall. Imp.
-------	------------	------------

- |  |  |  |
|--|--|--|
| 8. Seating Capacity.   |  |  |
| 9. Weight. Total weight of the car with normal equipment, water, oil, and spare wheel but without fuel or repair tools : |  |  |

535 kg.	1177 lbs.	10.500 cwt.
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**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. <sup>2</sup>	1 gallon Imp.	— 4.546	ltrs.
1 cubic inch/pouce cube	— 16.387	cm. <sup>3</sup>	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
- 21. Unitary construction, material(s) GLASS FIBRE
- 22. Separate construction, Material(s) of chassis STEEL FRAMES
- 23. Material(s) of coachwork GLASS FIBRE
- 24. Number of doors 2 Material(s) " "
- 25. Material(s) of bonnet " "
- 26. Material(s) of boot lid
- 27. Material(s) of rear-window
- 28. Material(s) of windscreen
- 29. Material(s) of front-door windows
- 30. Material(s) of rear-door windows
- 31. Sliding system of door windows
- 32. Material(s) of rear-quarter light

**ACCESSORIES AND UPHOLSTERY**

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

	kg.	lbs.
--	-----	------
- 43. Rear seats, type of seat and upholstery
- 44. Front bumper, material(s) Weight kg. lbs.
- 45. Rear bumper, material(s) Weight kg. lbs.

**WHEELS**

- 50. Type
- 51. Weight (per wheel, without tyre) kg. lbs.
- 52. Method of attachment
- 53. Rim diameter mm. ins. 54. Rim width mm. ins.

**STEERING**

- 60. Type
- 61. Servo-assistance : yes — no
- 62. Number of turns of steering wheel from lock to lock
- 63. In case of servo-assistance



**SUSPENSION**

- 70. Front suspension (photograph D), type INDEPENDANT
- 71. Type of spring RUBBER CONE
- 72. Stabiliser (if fitted)
- 73. Number of shock absorbers 74. Type
- 78. Rear suspension (photograph E), type INDEPENDANT
- 79. Type of spring RUBBER CONE
- 80. Stabiliser (if fitted)
- 81. Number of shock absorbers 82. Type

**BRAKES** (photographs F and G)

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

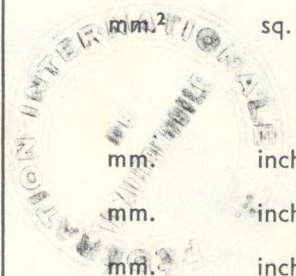
	FRONT		REAR	
93. Number of cylinders per wheel				
94. Bore of wheel cylinder(s)	mm.	inches	mm.	inches

**Drum Brakes**

95. Inside diameter	mm.	inches	mm.	inches
96. Length of brake linings	mm.	inches	mm.	inches
97. Width of brake linings	mm.	inches	mm.	inches
98. Number of shoes per brake				
99. Total area per brake	mm. <sup>2</sup>	sq. in.	mm. <sup>2</sup>	sq. in.

**Disc Brakes**

100. Outside diameter	mm.	inches	mm.	inches
101. Thickness of disc	mm.	inches	mm.	inches
102. Length of brake linings	mm.	inches	mm.	inches
103. Width of brake linings	mm.	inches	mm.	inches
104. Number of pads per brake				
105. Total area per brake	mm. <sup>2</sup>	sq. in.	mm. <sup>2</sup>	sq. in.



**ENGINE** (photographs J and K)

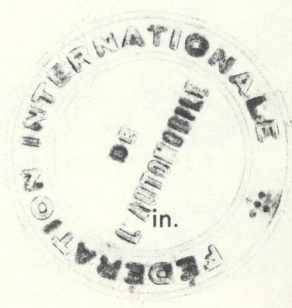
- |   |                    |   |                                     |
|---|--------------------|---|-------------------------------------|
| 130. Cycle  | 4 STROKE           | 131. Number of cylinders                | 4                                   |
| 132. Cylinder Arrangement   | IN LINE            |   |                                     |
| 133. Bore   | 70.63 mm. 2.78 in. | 134. Stroke                             | 81.33 mm. 3.2 in.                   |
| 135. Capacity per cylinder  |                    |   | 318.7 cm. <sup>3</sup> 19.4 cu. in. |
| 136. Total cylinder capacity  |                    |   | 1275 cm. <sup>3</sup> 77.9 cu. in.  |
| 137. Material(s) of cylinder block  | CAST IRON          | 138. Material(s) of sleeves (if fitted) | CAST IRON                           |
| 139. Cylinder head, material(s)   | " "                | Number fitted                           | 1                                   |
| 140. Number of inlet ports  | 2                  | 141. Number of exhaust ports            | 3                                   |
| 142. Compression ratio  |                    |   |                                     |
| 143. Volume of one combustion chamber                                       |                    |   | cm. <sup>3</sup> cu. in.            |
| 144. Piston, material   |                    | 145. Number of rings                    |                                     |
| 146. Distance from gudgeon pin centre line to highest point of piston crown |                    |   | mm. in.                             |
| 147. Crankshaft : moulded/stamped   |                    | 148. Type of crankshaft: integral/..... |                                     |
| 149. Number of crankshaft main bearings                                     | 3                  |   |                                     |
| 150. Material of bearing cap  | S.G. IRON          |   |                                     |
| 151. System of lubrication : <del>dry sump</del> oil in sump                |                    |   |                                     |
| 152. Capacity, lubricant  | ltrs.              | pts.                                    | quarts U.S.                         |
| 153. Oil cooler : yes/no  |                    |   |                                     |
| 154. Method of engine cooling   |                    |   |                                     |
| 155. Capacity of cooling system   | ltrs.              | pts.                                    | quarts U.S.                         |
| 156. Cooling fan (if fitted) dia.   |                    |   | cm. in.                             |
| 157. Number of blades of cooling fan  |                    |   |                                     |

**Bearings**

- |                                   |           |      |       |      |       |     |
|-----------------------------------|-----------|------|-------|------|-------|-----|
| 158. Crankshaft main, type        | THIN WALL | dia. | 50.82 | m.m. | 2.00  | in. |
| 159. Connecting rod big end, type | THIN WALL | dia. | 41.29 | m.m. | 1.625 | in. |

**Weights**

- |   |     |      |                     |          |
|---|-----|------|---------------------|----------|
| 160. Flywheel (clean)                         |     | kg.  |                     | lbs.     |
| 161. Flywheel with clutch (all turning parts) |     | kg.  |                     | lbs.     |
| 162. Crankshaft                               | kg. | lbs. | 163. Connecting rod | kg. lbs. |
| 164. Piston with rings and pin                |     | kg.  |                     | lbs.     |





**FOUR STROKE ENGINES**

170. Number of camshafts | 171. Location CYLINDER BLOCK  
 172. Type of camshaft drive DUPLEX CHAIN  
 173. Type of valve operation O.H.V. PUSH-ROD & ROCKER

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

180. Material(s) of inlet manifold  
 181. Diameter of valves mm. ins.  
 182. Max. valve lift mm. in. 183. Number of valve springs  
 184. Type of spring 185. Number of valves per cylinder |  
 186. Tappet clearance for checking timing (cold) mm. ins.  
 187. Valves open at (with tolerance for tappet clearance indicated)  
 188. Valves close at (with tolerance for tappet clearance indicated)  
 189. Air filter, type

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

195. Material(s) of exhaust manifold  
 196. Diameter of valves mm. ins.  
 197. Max. valve lift mm. in. 198. Number of valve springs  
 199. Type of spring 200. Number of valves per cylinder |  
 201. Tappet clearance for checking timing (cold) mm. ins.  
 202. Valves open at (with tolerance for tappet clearance indicated)  
 203. Valves close at (with tolerance for tappet clearance indicated)

**CARBURETION** (photograph N)

210. Number of carburettors fitted 211. Type  
 212. Make 213. Model  
 214. Number of mixture passages per carburettor  
 215. Flange hole diameter of exit port(s) of carburettor mm. ins.  
 216. Minimum diameter of venturi/minimum diam., with piston at maximum height (example : SU) mm. ins.

**INJECTION** (if fitted)

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.

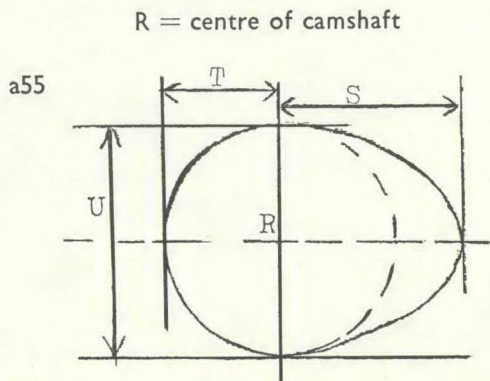


**ENGINE ACCESSORIES**

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

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

- 250. Max. engine output (type of horsepower: ) at r.p.m.
- 251. Max. r.p.m. output at that figure
- 252. Max. torque at r.p.m.
- 253. Max. speed of the car km./hour miles/hour

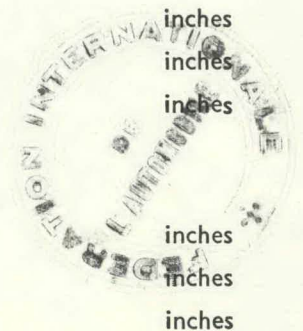


**Inlet cam**

S = mm.  
 T = mm.  
 U = mm.

**Exhaust cam**

S = mm.  
 T = mm.  
 U = mm.



Make MARCOS

Model MINI MARCOS 1275

F.I.A. Rec. No. ....

**DRIVE TRAIN**

**CLUTCH**

260. Type of clutch

261. No. of plates

262. Dia. of clutch plates

cm.

ins.

263. Dia. of linings, inside

cm.

ins.

outside

cm.

ins.

264. Method of operating clutch

**GEAR BOX** (photograph H)

270. Manual type, make B.M.C.

Method of operation MANUAL

271. No. of gear-box ratios forward 4

272. Synchronized forward ratios 3

273. Location of gear-shift

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
1								
2								
3								
4								
5								
6								
reverse								

278. Overdrive, type

279. Forward gears on which overdrive can be selected

280. Overdrive ratio

**FINAL DRIVE**

290. Type of final drive HELICAL SPUR GEAR

291. Type of differential BEVEL PINION

292. Type of limited slip differential (if fitted)

293. Final drive ratio

Number of teeth



Make MARCOS

Model MINI MARCOS 1275

F.I.A. Rec. No. ....

**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.....
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.

