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.

Serial No. of chassis/body 7006 - 7057

Serial No. of engine 9F - SA - Y

Recognition is valid from 1st March 1968

Cylinder-capacity 1275 cm.³ 77.9 in.³

Model MINI MARCOS G.T. 1300

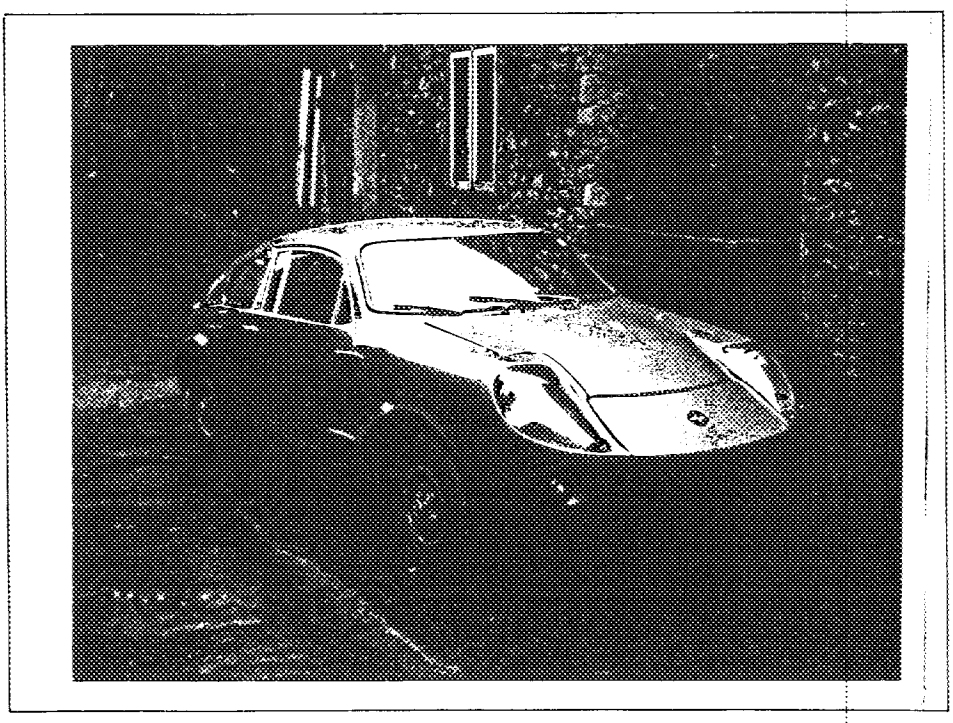
Manufacturer MARCOS CARS COMPONENTS LTD.

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

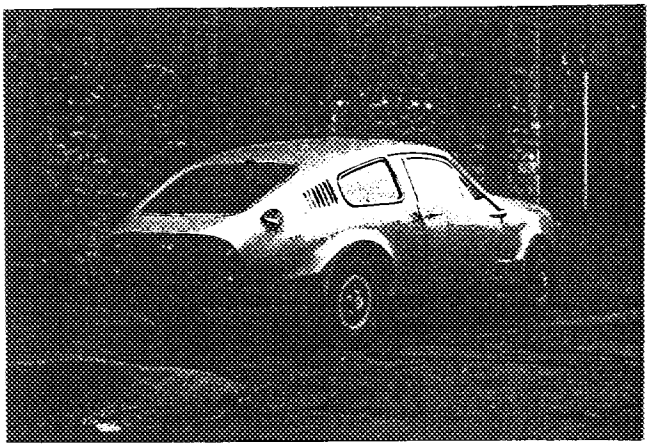


F.I.A. Stamp

R.A.C. Stamp

MAKE MARCOS MODEL MINI MARCOS 1275 F.I.A. REC. No. .....

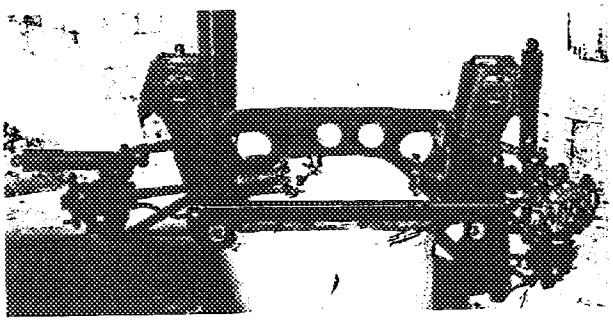
B



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

C

D



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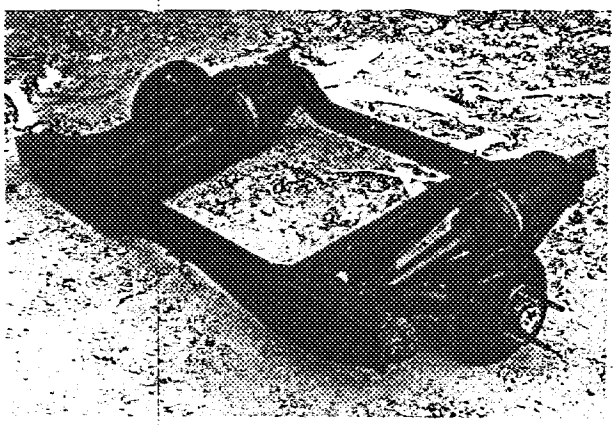
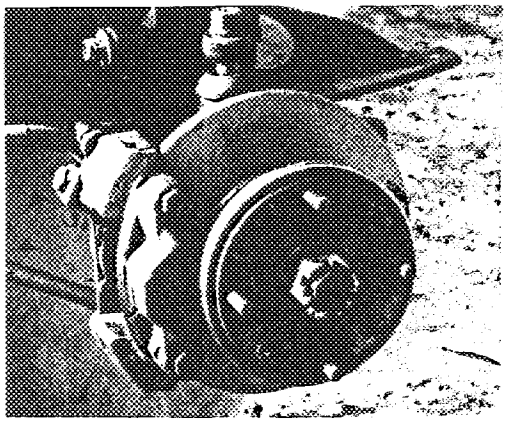
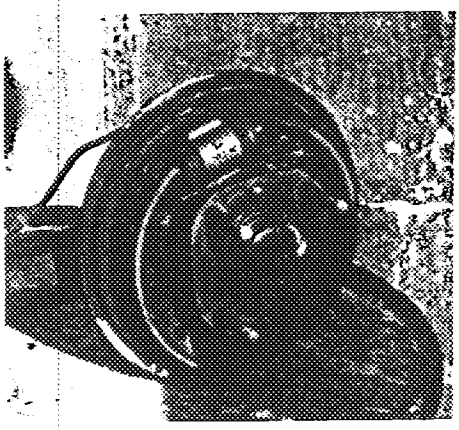


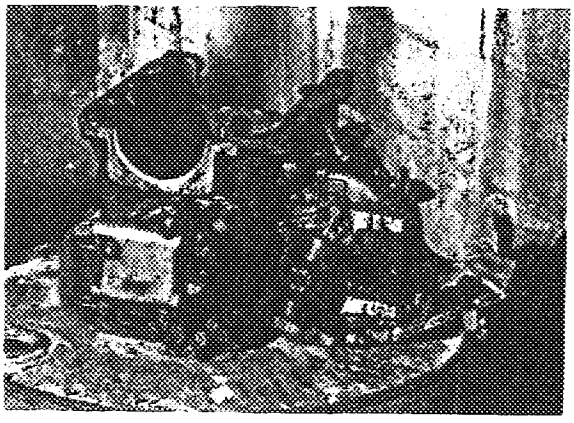
F



G



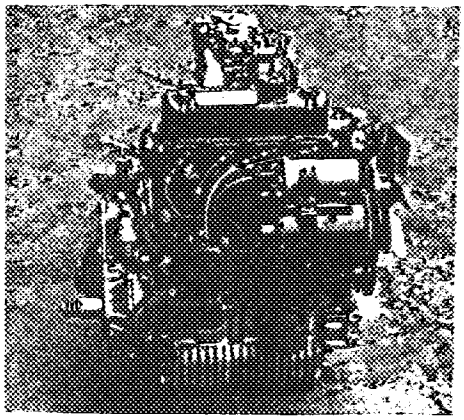
H



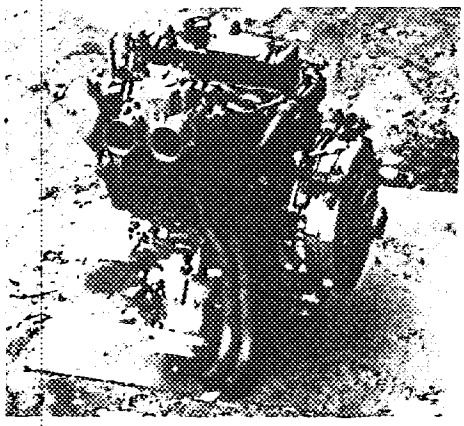
silencer + exhaust pipes after exhaust manifold

I

J



K



L

combustion chamber

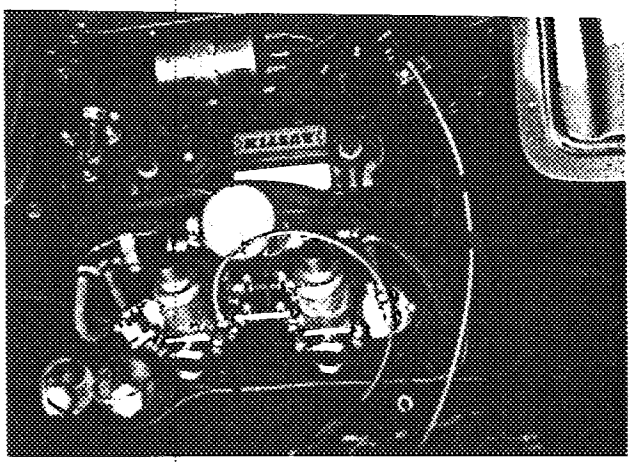
M

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.

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.

Make MARCOS Model MINI MARCOS 1275 F.I.A. Rec. No.

NOTE 1.

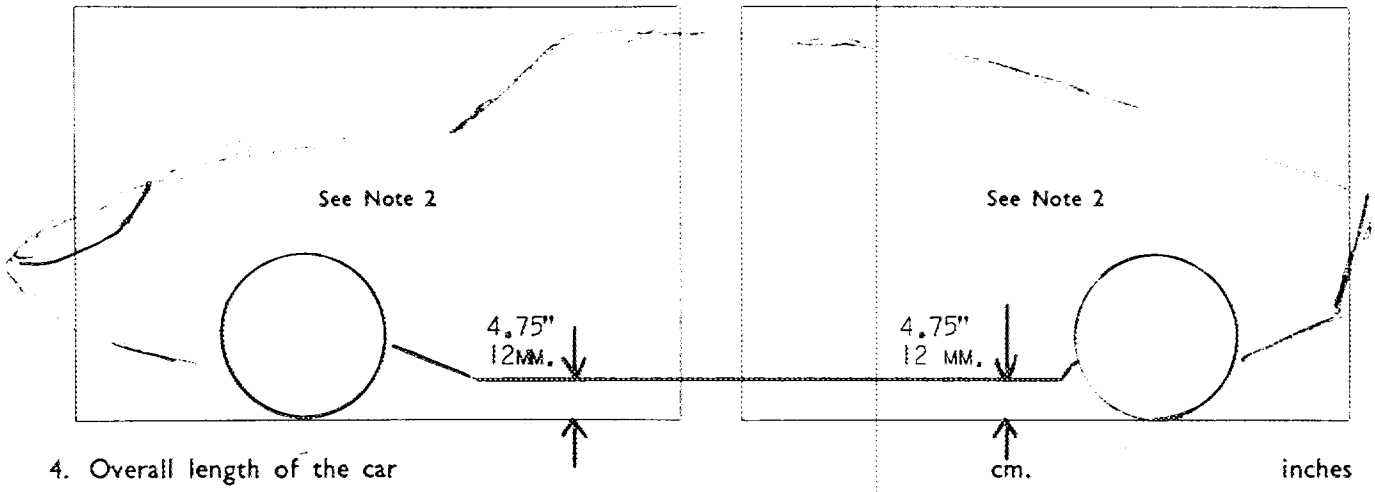
All dimensions must be given in two measuring systems, see Note 3.

CAPACITIES AND DIMENSIONS

1. Wheelbase 205 mm. 80.75 inches

2. Front track (± 6.35 MM/0.25") 1222.4 mm. 48.125 inches

3. Rear track (± 6.35 MM/0.25") 1176.0 mm. 46.31 inches



4. Overall length of the car cm. inches

5. Overall width of the car cm. inches

6. Overall height of the car cm. inches

7. Capacity of fuel tank (reserve included)

~~535~~ 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 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	—	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.

Make MARCOS Model MINI MARCOS 1275 F.I.A. Rec. No.

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

Make MARCOS Model MINI MARCOS 1275 F.I.A. Rec. No.

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	$mm.^2$	sq. in.	$mm.^2$	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	$mm.^2$	sq. in.	$mm.^2$	sq. in.

Make MARCOS Model MINI MARCOS 1275 F.I.A. Rec. No.....

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.^{3} 19.4 cu. in.

136. Total cylinder capacity 1275 cm.^{3} 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.^{3} 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 : ~~dry sump~~/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.

Make MARCOS Model MINI MARCOS 1275 F.I.A. Rec. No.

FOUR STROKE ENGINES

170. Number of camshafts 1 171. 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 1

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 1

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.

Make M.A.R.C.O.S Model MINI MARCOS 1275 F.I.A. Rec. No.

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.

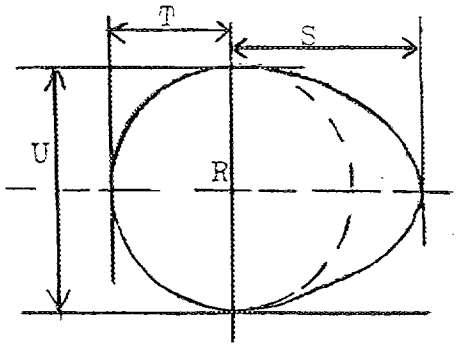
251. Max. r.p.m. output at that figure

252. Max. torque at r.p.m.

253. Max. speed of the car km./hour miles/hour

R = centre of camshaft

a55



Inlet cam

S = mm. inches

T = mm. inches

U = mm. inches

Exhaust cam

S = mm. inches

T = mm. inches

U = mm. inches

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.

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

MARQUE ET MODELE	VALIDITE HOMOLOGATION	FICHE NR.
MARCOS – MINI MARCOS GT1320	3/6/8	942

	GROUPE / CLASSE
	4/SPORT

EXTENSIONS	DEBUT VALIDITE	DESCRIPTION	NOTES

Autres homologations du modèle

Vérifiée le 21/6/96 par [signature] visée ce jour le _____ par _____