



JAPAN AUTOMOBILE FEDERATION

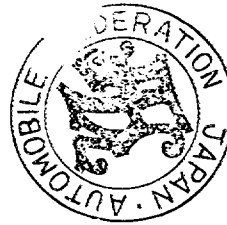
F. I. A. Recognition No. *1494*
Group *2 - Touring*

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

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

Manufacturer **NISSAN MOTOR CO., LTD.** Cylinder-capacity **1,296** cm³ **79.09** cu. in.
 Model **DATSUN BLUEBIRD 510**
 Serial No. of chassis **510-000011** Manufacturer **NISSAN**
 engine **L13-101** Manufacturer **NISSAN**
 Recognition is valid from *1st November 1967* List *16/16*
 The manufacturing of the model described in this recognition form was started on **June 1967** and the maximum production of **1000** identical cars. in accordance with the specifications of this form was reached on **July 1967**

Photograph A, 3/4 view of car from front



東京都港区芝公園第三号地一番五
 機械振興会館内
 法人 日本自動車連盟

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

Variants				Normal evolution of the type			
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

Stamp and signature of the
National Sporting Authority

Stamp and signature of the F. I. A.

Herbert Johnson

Make

NISSAN

Model

510

F. I. A. Rec. No.

IMPORTANT - the underlined items must be stated in two measuring systems, one of which must be the metric system. See conversion table hereafter.

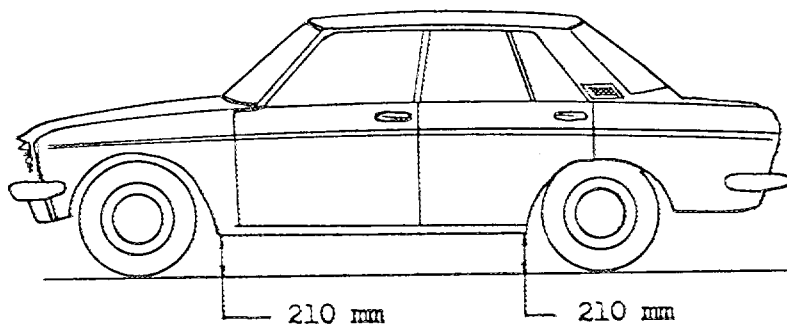
CAPACITIES AND DIMENSIONS

1. <u>Wheelbase</u>	2,420	mm	95.3	inches
2. <u>Front track</u>	1,280	mm	50.4	inches *
3. <u>Rear track</u>	1,280	mm	50.4	inches *
4. Overall length of the car		407.0	cm	inches
5. Overall width of the car		156.0	cm	inches
6. Overall height of the car		140.0	cm	inches
7. <u>Capacity of fuel tank</u> (reserve included)				46 ltrs Gallon Imp.
	12.1	Gallon US		
8. Seating capacity	5			
9. <u>Weight</u> , total weight of the car with normal equipment, water, oil and spare wheel but without fuel nor repair tools:				
	845	kg	1,863	lbs cwt

* 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.

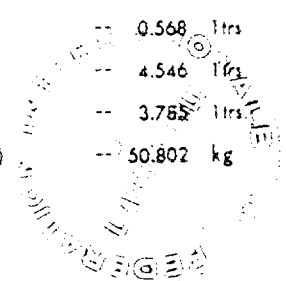
Specify ground clearance in relation to the track and give drawing of two fixed points of the vehicle's structure at which measurements are taken.

These ground clearance dimensions are only for information when checking the track and can in no way affect the eligibility of the car.



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 square inch / pouce carré	-- 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
- 21. Unitary construction, material (s) **Steel**
Separate construction
- 22. Separate Constructions: Material (al) of chassis
- 23. Material (s) of coachwork
- 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 **Glass**
- 28. Material (s) of windscreen **Glass**
- 29. Material (s) of front-door windows **Glass**
- 30. Material (s) of rear-door windows **Glass**
- 31. Sliding system of door windows **Vertical, manual**
- 32. Material (s) of rear-quarter light **Glass**

ACCESSORIES AND UPHOLSTERY

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

21.0	kg		lbs
------	----	--	-----
- 43. Rear seats, type of seats and upholstery **Bench, vinyl**
- 44. Front bumper, material (s) **Steel** Weight **6.0** kg lbs
- 45. Rear bumper, material (s) **Steel** Weight **6.5** kg lbs

WHEELS

- 50. Type **Pressed steel**
- 51. Weight (per wheel, without tyre) **6.4** kg lbs
- 52. Method of attachment **Wheel nut (4 nuts)**
- 53. Rim diameter **330** mm **13** inches
- 54. Rim width **101** mm **4** inches
- 114** mm **4.5** inches

STEERING

- 60. Type **Recirculating ball**
- 61. Servo-assistance : ~~yes~~ - no
- 62. Number of turns of steering wheel from lock to lock **3.2**
- 63. In case of servo-assistance



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SUSPENSION

70. Front suspension (photogr. D), type	Independent
71. Type of spring	Coil
72. Stabiliser (if fitted)	
73. Number of shockabsorbers 2	74. Type Hydraulic telescopic
78. Rear suspension (photogr. E), type	Independent
79. Type of spring	Coil
80. Stabiliser (if fitted)	
81. Number of shockabsorbers 2	82. Type Hydraulic telescopic

BRAKES (photographs F and G)

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

	FRONT		REAR	
93. Number of cylinders per wheel	2		1	
94. Bore of wheel cylinder (s)	22.2 mm	in.	22.2 mm	in.
Drum brakes				
95. Inside diameter	228.6 mm	in.	228.6 mm	in.
96. Length of brake linings	219.5 mm	in.	219.5 mm	in.
97. Width of brake linings	40 mm	in.	40 mm	in.
98. Number of shoes per brake	2		2	
99. Total area per brake	17,560 mm ²	sq. in.	17,560 mm ²	sq. in.
Disc brakes				
100. Outside diameter	mm	in.	mm	in.
101. Thickness of disc	mm	in.	mm	in.
102. Length of brake linings	mm	in.	mm	in.
103. Width of brake linings	mm	in.	mm	in.
104. Number of pads per brake.				
105. Total area per brake	mm ²	sq. in.	mm ²	sq. in.



ENGINE (photographs J and K)

130. Cycle 4 131. Number of cylinders 4

132. Cylinder arrangement In line

133. Bore 83 mm 3.27 in. 134. Stroke 59.9 mm 2.35 in.

135. Capacity per cylinder 324 cm³ 19.77 cu. in.

136. Total cylinder-capacity 1,296 cm³ 79.09 cu. in.

137. Material (s) of cylinder block Cast iron

138. Material (s) of sleeves (if fitted)

139. Cylinder-head, material (s) Al-cast Number fitted 1

140. Number of inlet ports 4 141. Number of exhaust ports 4

142. Compression ratio

143. Volume of one combustion chamber cm³ cu. in.

144. Piston, material 145. Number of rings

146. Distance from gudgeon pin centre line to highest point of piston crown
mm inches

147. Crankshaft : ~~machined~~ / stamped 148. Type of crankshaft : integral / ~~XXXXXXXXXX~~

149. Number of crankshaft main bearings 5

150. Material of bearing cap Cast iron

151. System of lubrication : ~~pressure~~ / oil in sump

152. Capacity, lubricant 4.8 ltrs - pts quarts US

153. Oil cooler : yes / no 154. Method of engine cooling Water

155. Capacity of cooling system 6.3 ltrs pints quarts US

156. Cooling fan (if fitted), dia. cm inches

157. Number of blades of cooling fan

Bearings

158. Crankshaft main, type Plain Dia. 55 mm in.

159. Connecting rod big end, Plain Dia. 50 mm 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 1 171. Location Cylinder head
 172. Type of camshaft drive Chain
 173. Type of valve operation Rocker arm

INLET (see page 8) *

180. Material(s) of inlet manifold Al-cast
 181. Diameter of valves 38 mm 1.5 inches
 182. Max. valve lift mm in. 183. Number of valve springs 1
 184. Type of spring Coil 185. Numbr of valves per cylinder 1
 186. Tappet clearance for checking timing (cold) mm inches
 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 8)

195. Material (s) of exhaust manifold Cast iron
 196. Diameter of valves 33 mm 1.3 inches
 197. Max. valve lift mm in. 198. Number of valve springs 1
 199. Type of spring Coil 200. Number of valves per cylinder 1
 201. Tappet clearance for checking timing (cold) mm inches
 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 carburetors fitted 1 211. Type
 212. Make 213. Model
 214. Number of mixture passages per carburetor 2
 215. Flange hold diameter of exit port(s) of carburetor mm in.
 216. Minimum dimensions of mixture pasage (s) with piston at max. height (example: SU)
 mm inches

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 inches

*) for additional information concerning two-stroke engines and super-charged engines see page 13.



Make

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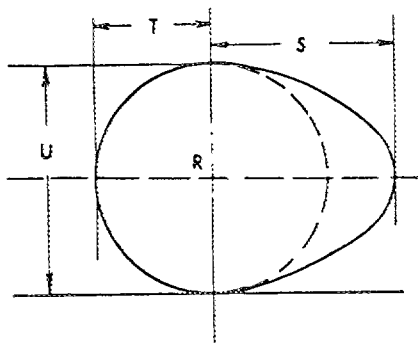
ENGINE ACCESSORIES

- | | | | |
|---|------------------------------|--------------------------------------|--------|
| 230. Fuel pump : | mechanical and / or electric | 231. No. fitted | 1 |
| 232. Type of ignition system | Make and break ignition | 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 | | 237. Method of drive | V-belt |
| 238. Voltage of generator | 12 volts | 239. Battery, number | 1 |
| 240. Location | Engine room | | |
| 241. Voltage of battery | 12 volts | | |

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

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

255.



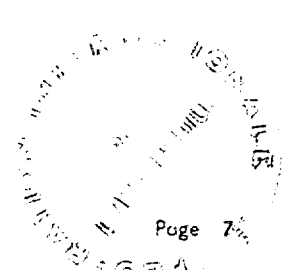
R=centre of camshaft.

Inlet cam

- | | | |
|-----|----|--------|
| S = | mm | inches |
| T = | mm | inches |
| U = | mm | inches |

Exhaust cam

- | | | |
|-----|----|--------|
| S = | mm | inches |
| T = | mm | inches |
| U = | mm | inches |



Make NISSAN

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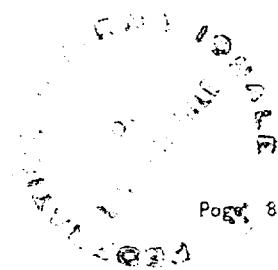
F. I. A. Rec. No.

Drawing inlet manifold ports, side of cylinder-head. Indicate scale or dimensions and manufacturing tolerance.

Drawing of entrance to inlet port of cylinder-head. Indicate scale or dimensions and manufacturing tolerance.

Drawing exhaust manifold ports, side of cylinder-head. Indicate scale or dimensions and manufacturing tolerance.

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



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DRIVE TRAIN

CLUTCH

260. Type of clutch Dry single plate 261. No. of plates 1
262. Dia. of clutch plates 20.2 cm inches
263. Dia. of linings, inside 13.0 cm in. outside 20.0 cm in.
264. Method of operating clutch Hydraulic

GEAR BOX (photograph H)

270. Manual type, make NISSAN Method of operation Mechanical
271. No. of gear-box ratios forward 3 272. Synchronized forward ratios 1, 2, 3
273. Location of gear-shift Steering column
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	3.263	$\frac{30}{19} \times \frac{31}{15}$							
2	1.645	$\frac{30}{19} \times \frac{25}{24}$							
3	1.000								
4									
5									
6									
reverse	3.355	$\frac{30}{19} \times \frac{16}{16} \times \frac{34}{16}$							

278. Overdrive, type
279. Forward gears on which overdrive can be selected
280. Overdrive ratio

FINAL DRIVE

290. Type of final drive Hypoid gear
291. Type of differential Bevel gear
292. Type of limited slip differential (if fitted)
293. Final drive ratio 3.700 3.900 4.111 4.375 4.625
- Number of teeth 37/10 39/10 37/9 35/8 37/8



Make

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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, 184, 186, 187, 188, 189, 199, 201, 202, 203, 212, 213, 215, 216, 222, 225, 230, 250, 251, 252, 253, and photographs I, M and N.

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.

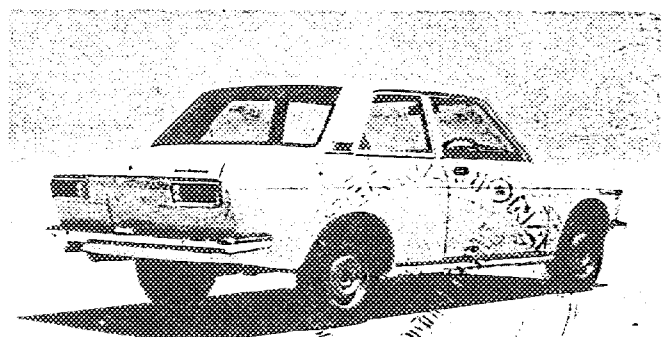
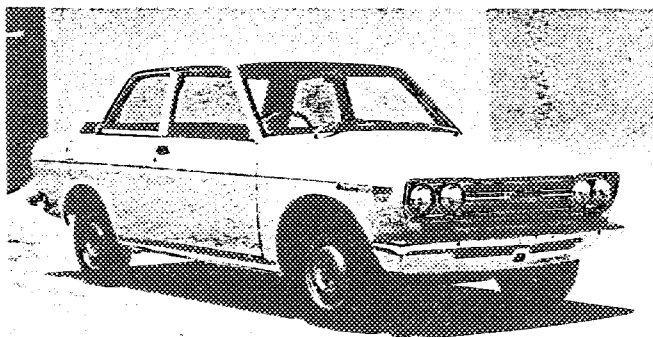
Optional equipment affecting preceding information. This to be stated together with reference number.

- 7. Capacity of fuel tank — 80 Ltrs / 21.1 Gallon US
- 51. Road wheel-weight 6.8 kg
- 54. Rim width — 127 mm / 5 inches
- 271. No. of gear-box ratios forward — 4
- 272. Synchronized forward ratios — 1, 2, 3, 4
- 273. Floor

277.	Ratio	No. teeth	Ratio	No. teeth	Ratio	No. teeth
1	3.657	$\frac{32}{21} \times \frac{36}{15}$	3.382	$\frac{31}{22} \times \frac{36}{15}$	3.082	$\frac{31}{22} \times \frac{35}{16}$
2	2.177	$\frac{32}{21} \times \frac{30}{21}$	2.013	$\frac{31}{22} \times \frac{30}{21}$	1.857	$\frac{31}{22} \times \frac{29}{22}$
3	1.419	$\frac{32}{21} \times \frac{27}{29}$	1.312	$\frac{31}{22} \times \frac{27}{29}$	1.312	$\frac{31}{22} \times \frac{27}{29}$
4	1.000		1.000		1.000	
Reverse	3.638	$\frac{32}{21} \times \frac{18}{21} \times \frac{39}{14}$	3.364	$\frac{31}{22} \times \frac{18}{21} \times \frac{39}{14}$	3.033	$\frac{31}{22} \times \frac{17}{22} \times \frac{39}{14}$

274. Type of limited slip differential — Friction

Two door sedan



The model produced on the same line as four door sedan

Make

NISSAN

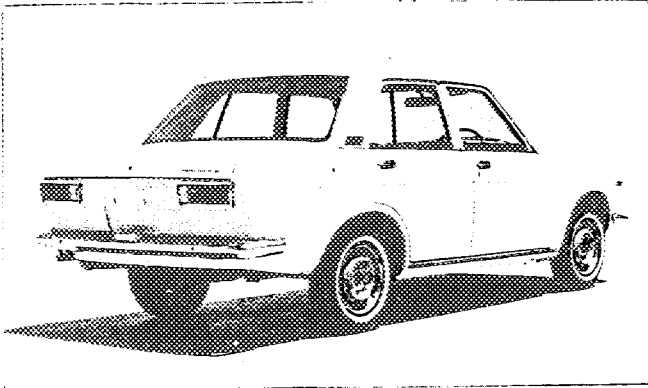
Model

510

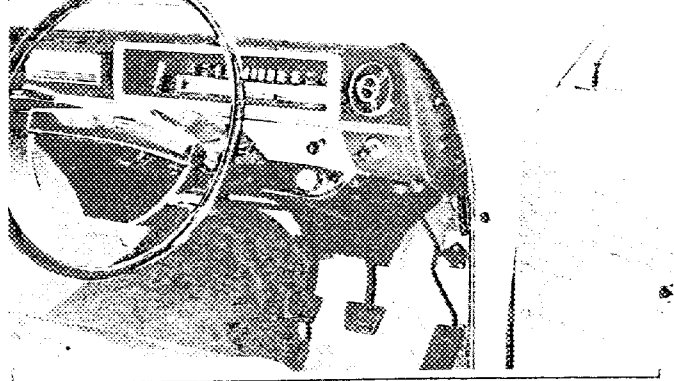
F.I.A. Rec. No.

Photograph

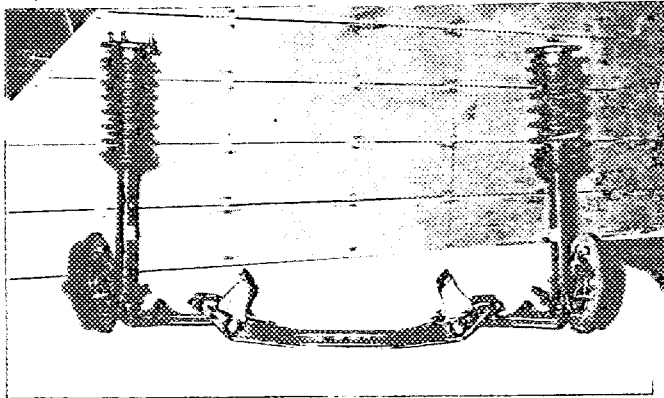
B, 3/4 view of car from rear



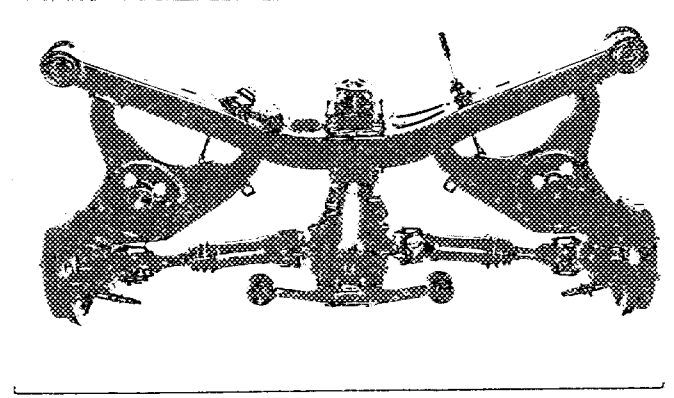
C, interior view of car through driver's door (open or removed) with dashboard



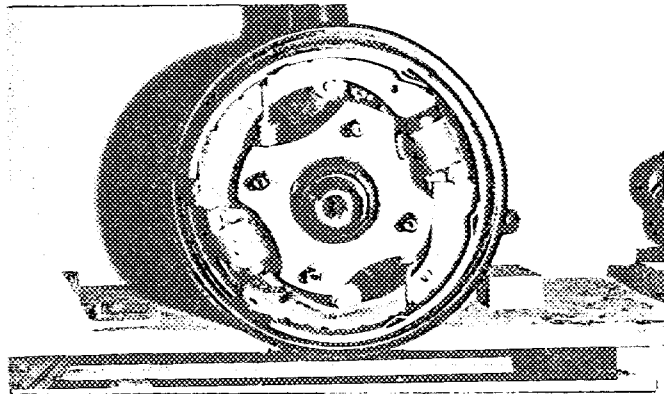
D, front axle complete, removed from car. Without wheels.



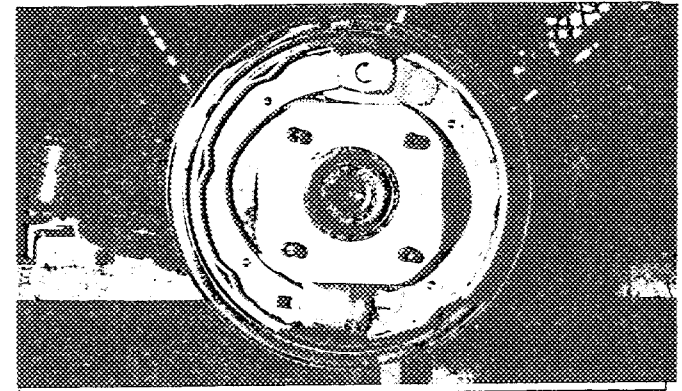
E, Rear axle complete without wheels, removed from car.



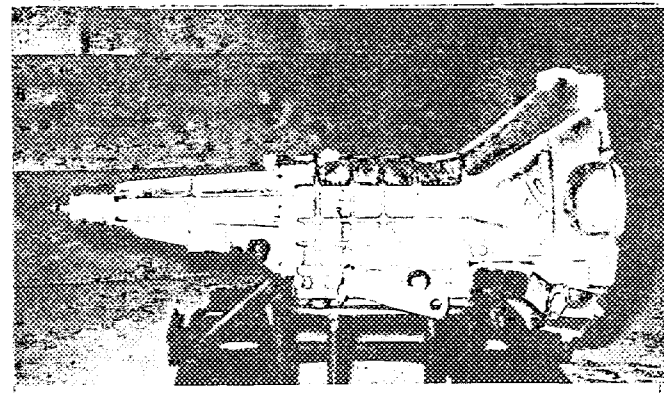
F, front brake, drum removed or disc with calipers!



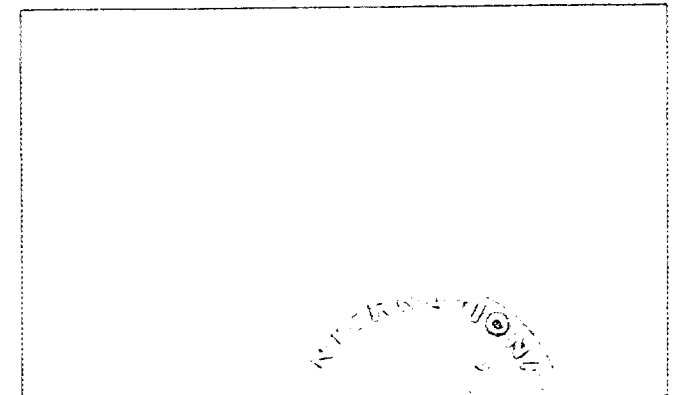
G, rear brake, drum removed or disc with calipers!



H, gear-box, view from side



I, silencer + exhaust pipes after exhaust manifold.



NISSAN

Page 11

Make

NISSAN

Model

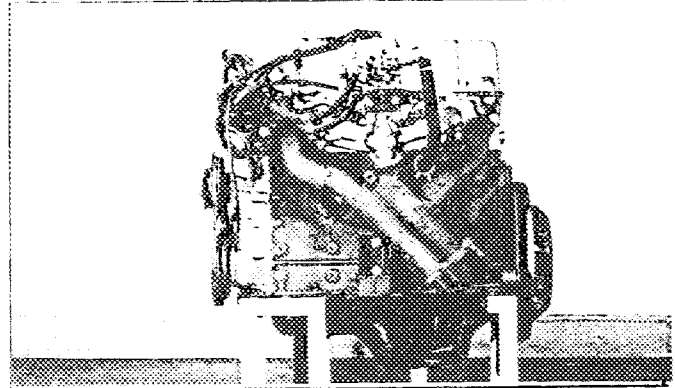
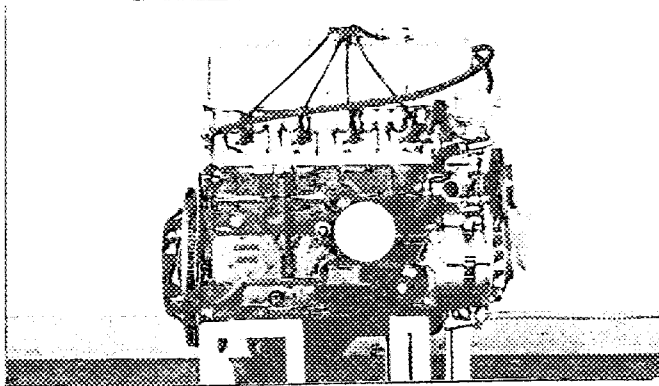
510

F. I. A. Rec. No

Photograph

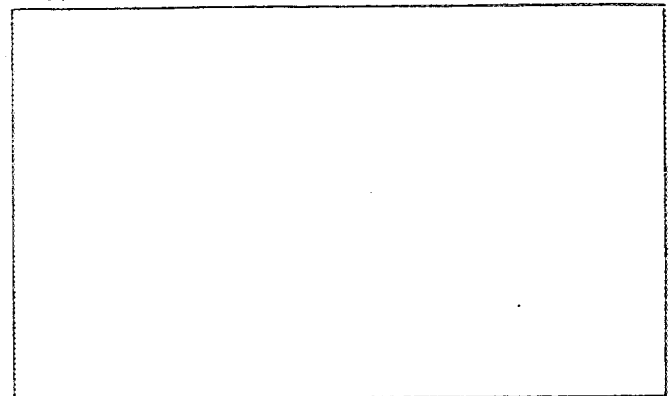
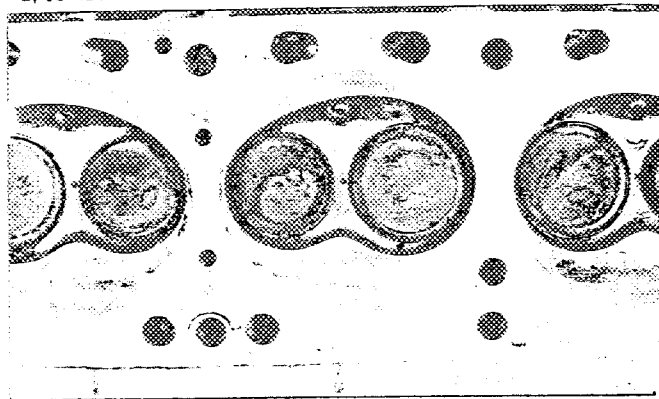
J, engine unit out of car, from right. With clutch and accessories but without air filter nor gear-box.

K, Engine unit out of car, from left. With clutch and accessories but without gear-box nor air filter.



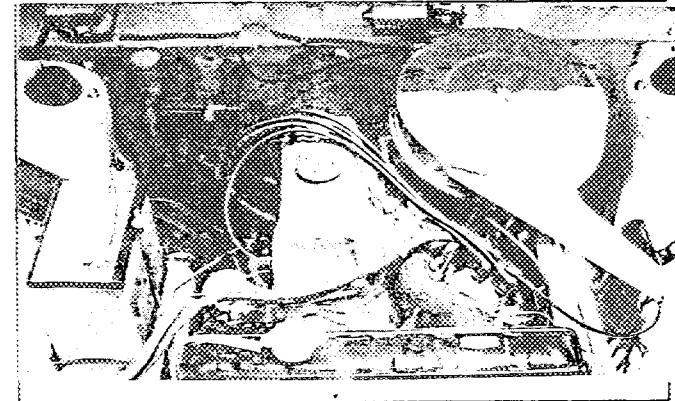
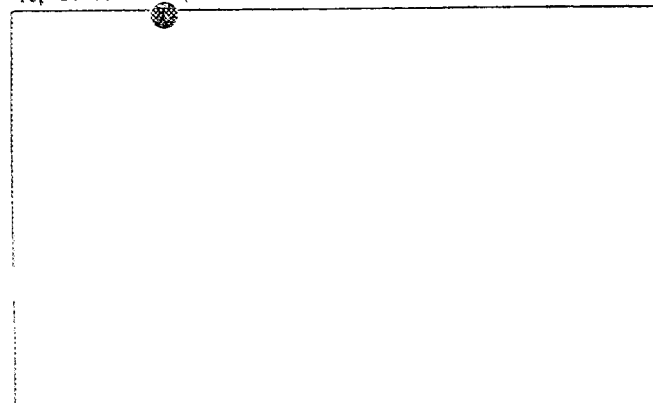
L, combustion chamber

M, piston crown



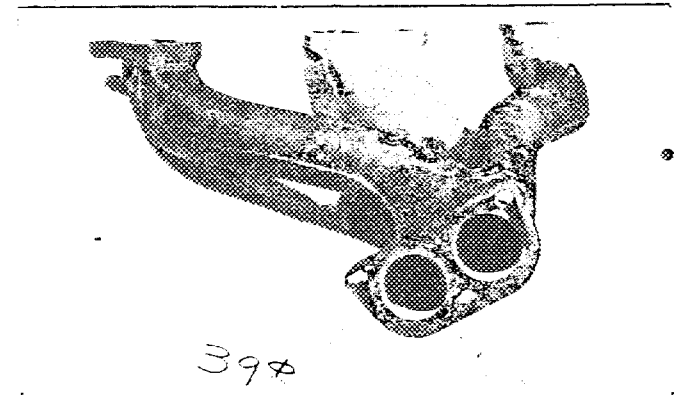
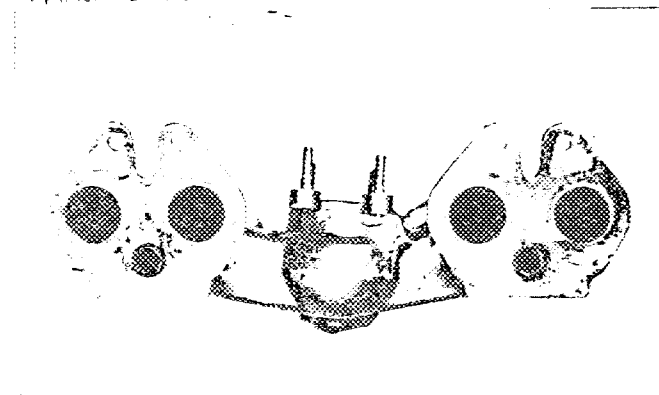
N, Carburettor (view from side of manifold)

O, engine in car with all accessories, bonnet open or removed.



P, inlet manifold

Q, exhaust manifold



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Make

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TWO STROKE ENGINES

300. System of cylinder scavenging

301. Type of lubrication

302. Inlet ports, length measured around cylinder wall

mm

inches

303. Height inlet port

mm

in. 304. Area

mm²

sq. in.

305. Exhaust ports, length measured around cylinder wall

mm

inches

306. Height exhaust port

mm

in. 307. Area

mm²

sq. in.

308. Transfer port, length measured around cylinder wall

mm

inches

309. Height transfer port

mm

in. 310. Area

mm²

sq. in.

311. Piston ports, length measured around piston

mm

inches

312. Height piston port

mm

in. 313. Area

mm²

sq. in.

314. Method of precompression

315. Precompression cyl.: yes/no

316. Bore

mm

inches

317. Stroke

mm

inches

318. Distance from top of cyl. block to highest point of exhaust port :

mm

inches

319. Distance from top of cyl. block to lowest point of inlet port :

mm

inches

320. Distance from top of cyl. block to highest point of transfer port :

mm

inches

321. Drawing of cylinder ports.

330. Supercharging—state full details hereafter :

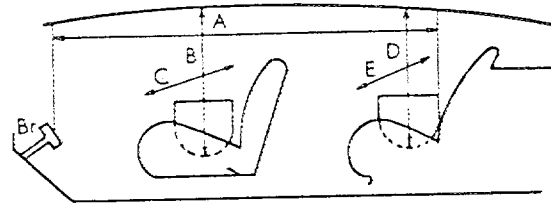
JAPAN AUTOMOBILE FEDERATION

Kazunari Komotori



DIMENSIONS OF INTERIOR
 (Conform to Art. 253 b of Appendix J)

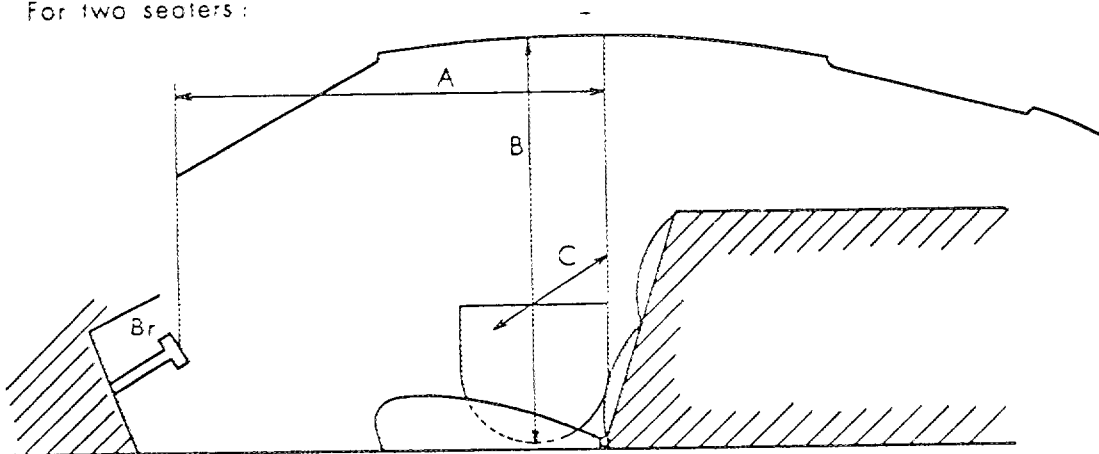
For four seaters :



(cm)

Minimum		Dimensions		
A	B	C	D	E
168	90	128	87	128

For two seaters :



Minimum		Dimensions
A	B	C





JAPAN AUTOMOBILE FEDERATION F. I. A. Homol. No

1494 / 1 / 1 E

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

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

Make NISSAN Model 510
Modification's application starts with serial No. chassis 510-010000 engine 113-147452
Application of this amendment started the Sept. 1968
Commercial denomination after application of modifications Nov. 1968
The modifications are to be considered as: ~~XXXXXX~~ / normal evolution of the type
Date amendment is valid from 11 Jan. 69 List 1969 / 1

Description of amendment The following items have been added.

Photograph A

3/4 view of car from front



Photograph B

3/4 view of car from rear



Stamp and signature of National Sporting Authority

JAPAN AUTOMOBILE FEDERATION

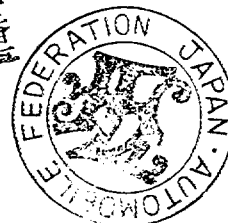
Handwritten signature of Yasuharu Nanba

Yasuharu Nanba

Stamp and signature of F. I. A.

Handwritten signature of F. I. A.

Vertical Japanese text: 東京都港区芝公園第三号地一番五 日本自動車連盟





JAPAN AUTOMOBILE FEDERATION F.I.A. Homol. No

1494 / 2/IV

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

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

Make NISSAN Model 510
Modification's application starts with serial No. chassis 510-000011 engine 113-101
Application of this amendment started the Sept. 1968
Commercial denomination after application of modifications Nov. 1968
The modifications are to be considered as: Variant/...
Date amendment is valid from 1st Jan '69 list 1969/1

Description of amendment The following items have been added
275) No. of forward ratios

Table with 5 columns: Gear No., Ratio, Manual No. teeth (left), Ratio, Manual No. teeth (right). Rows 1-5 and Rev. gear.

293) Final drive ratio 4.875 5.143
Number of teeth 39/8 36/7

Stamp and signature of National Sporting Authority

Stamp and signature of F.I.A.

JAPAN AUTOMOBILE FEDERATION

Signature of Yasuharu Nanba

Yasuharu Nanba

東京都港区芝公園三丁目一丁目
日本自動車連盟
機械振興会





JAPAN AUTOMOBILE FEDERATION F.I.A. Homel. No

1494 / 3/20

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

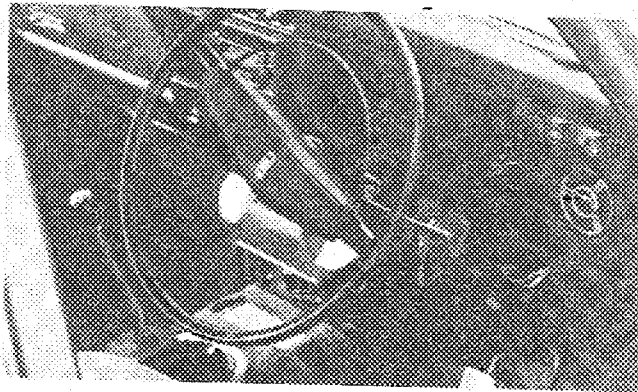
Amendment to Form of Recognition in accordance with the international Sporting Code.

Make NISSAN Model 510
Modification's application starts with serial No. chassis 510-000011
Application of this amendment started the July 1969 engine L13-101
Commercial denomination after application of modifications Aug. 1969
The modifications are to be considered as: VAGGK/ normal evolution of the type
Date amendment is valid from 1/1/70 List 70/1

Description of amendment

The following item have been added

Photograph C Interior view



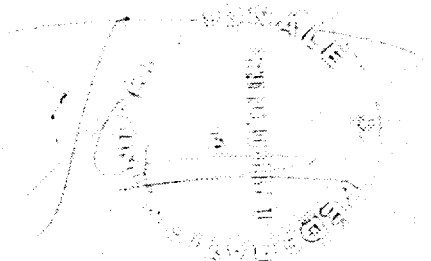
Stamp and signature of National Sporting Authority

JAPAN AUTOMOBILE FEDERATION

Handwritten signature of Kazunari Komotori

Kazunari Komotori

Stamp and signature of F.I.A.

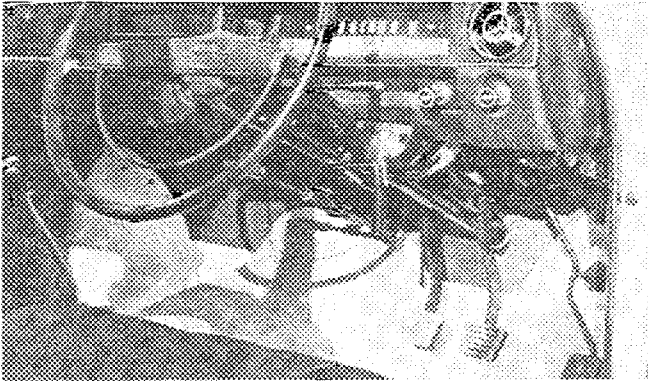


Make NISSAN

Model 510

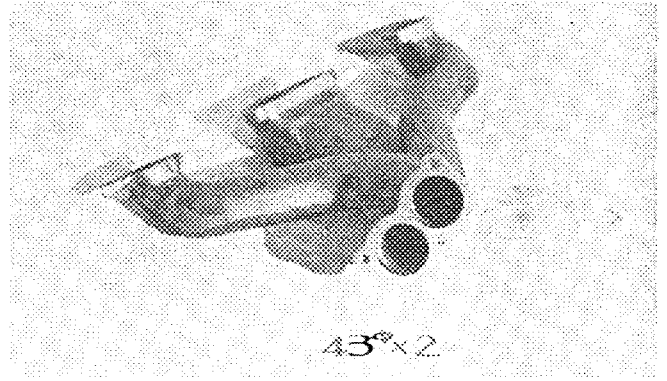
Photograph C

Interior view

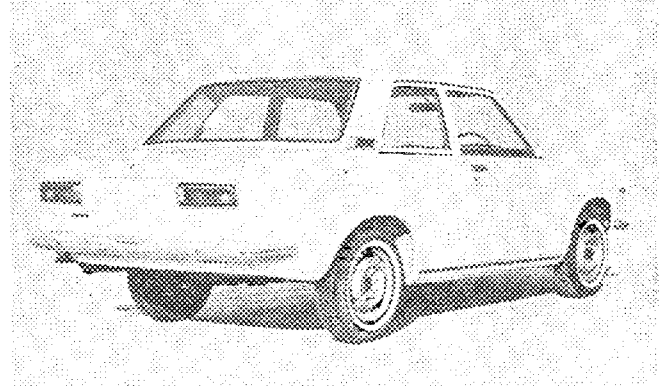
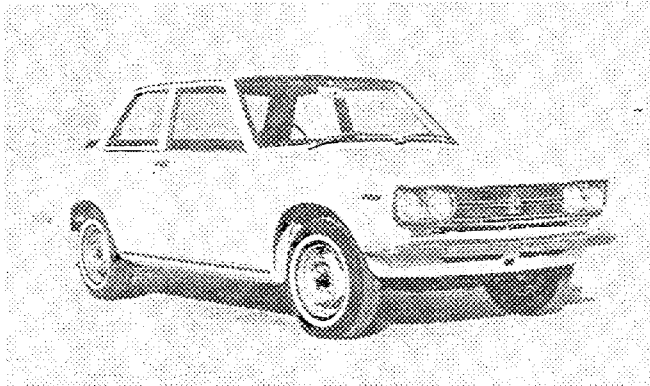


Photograph Q

Exhaust manifold



Two door sedan



The model produced on the same line as four door sedan.

F.I.A. Homol. No. 1494

Make NISSAN

Model 510

Photograph H

Gear-box view from side

