



# JAPAN AUTOMOBILE FEDERATION

F. I. A. Recognition No. 1530  
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.**

Serial No. of chassis **P510-000101**  
engine **L16-000005**

Recognition is valid from

The manufacturing of the model described in this recognition form was started on **Jan 1968** and the minimum production of **1000** identical cars, in accordance with the specifications of this form was reached on **Feb 1968**

Cylinder-capacity **1.595 cm<sup>3</sup> 97.33 cu. in.**

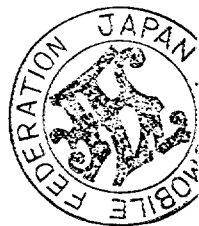
Model **DATSUN BLUEBIRD P510**

Manufacturer **NISSAN**

Manufacturer **NISSAN**

List **1968/6**

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

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

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

Stamp and signature of the F. I. A.

*[Handwritten signature]*

Make NISSAN

Model P510

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.

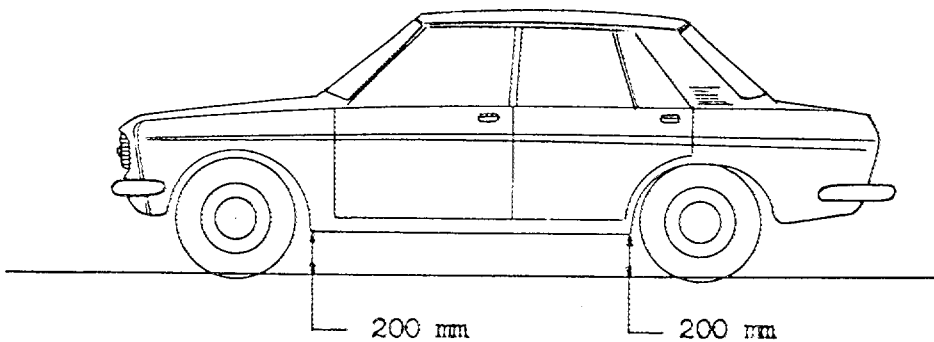
**CAPACITIES AND DIMENSIONS**

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:	865	kg	1,907	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.

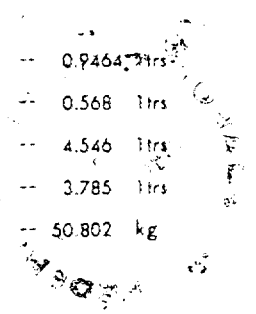
Specify ground clearance in relation to the track and give drawing of two fixed points of the vehicle's structure at which measurements are taken.

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 <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 : ~~XXXXXX~~ / unitary construction
- 21. Unitary construction, material (s) **Steel**  
~~Separate construction~~
- 22. Separate Constructions: Material(s) 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 : ~~XXXX~~ - no
- 40. Ventilation : yes - ~~XXX~~
- 41. Front seats, type of seats and upholstery **Separate, vinyl**
- 42. Weight of front seat (s), complete with supports and rails, out of the car :  

14 x 2 kg	lbs
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- 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  

<b>114</b>	<b>mm</b>	<b>4.5</b>	<b>inches</b>
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**STEERING**

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



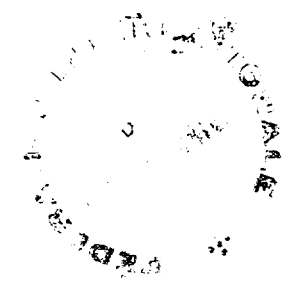
**SUSPENSION**

70. Front suspension (photogr. D), type Independent  
 71. Type of spring Coil  
 72. Stabiliser (if fitted) Torsion bar  
 73. Number of shockabsorbers 2  
 74. Type Hydraulic telescopic  
 76. 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	1		1	
94. Bore of wheel cylinder (s)	50.8 mm	in.	20.7 mm	in.
<b>Drum brakes</b>				
95. Inside diameter		mm in.	228.6 mm	in.
96. Length of brake linings		mm in.	219.5 mm	in.
97. Width of brake linings		mm in.	40 mm	in.
98. Number of shoes per brake			2	
99. Total area per brake		mm <sup>2</sup> sq. in.	17,560 mm <sup>2</sup>	sq. in.
<b>Disc brakes</b>				
100. Outside diameter	232 mm	in.	mm	in.
101. Thickness of disc	10 mm	in.	mm	in.
102. Length of brake linings	86 mm	in.	mm	in.
103. Width of brake linings	39.7 mm	in.	mm	in.
104. Number of pads per brake	2			
105. Total area per brake	6,828.4 mm <sup>2</sup>	sq. in.	mm <sup>2</sup>	sq. in.



Make

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ENGINE (photographs J and K)

130. Cycle	4	131. Number of cylinders	4
132. Cylinder arrangement	In line		
133. Bore	83 mm	134. Stroke	73.7 mm
	3.27 in.		2.90 in.
135. Capacity per cylinder		399 cm <sup>3</sup>	24.35 cu. in.
136. Total cylinder-capacity		1,595 cm <sup>3</sup>	97.33 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	8.5		
143. Volume of one combustion chamber		38 cm <sup>3</sup>	cu. in.
144. Piston, material	Al-alloy	145. Number of rings	3
146. Distance from gudgeon pin centre line to highest point of piston crown	38 mm		inches
147. Crankshaft : <del>rolled</del> / stamped		148. Type of crankshaft : integral / <del>XXXXXXXX</del>	
149. Number of crankshaft main bearings	5		
150. Material of bearing cap	Cast iron		
151. System of lubrication : <del>oil</del> / oil in sump			
152. Capacity, lubricant	4.8 ltrs	pts	quarts US
153. Oil cooler : <del>yes</del> / no		154. Method of engine cooling	Water
155. Capacity of cooling system	6.8 ltrs	pints	quarts US
156. Cooling fan (if fitted), dia.	33 cm	inches	
157. Number of blades of cooling fan	4		

Bearings

158. Crankshaft main, type	Plain	Dia.	55 mm	in.
159. Connecting rod big end,	Plain	Dia.	50 mm	in.

Weights

160. Flywheel (clean)	11.5 kg	lbs	
161. Flywheel with clutch (all turning parts)		14 kg	lbs
162. Crankshaft	13.7 kg	lbs	163. Connecting rod
			0.63 kg
164. Piston with rings and pin	0.47 kg	lbs	



Make

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**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 <sup>8</sup>)\*

180. Material(s) of inlet manifold **Al-cast**  
 181. Diameter of valves **38** mm **1.5** inches  
 182. Max. valve lift **10** mm **0.39** in. 183. Number of valve springs **2**  
 184. Type of spring **Coil** 185. Numbr of valves per cylinder **1**  
 186. Tappet clearance for checking timing (cold) **0.2** mm inches  
 187. Valves open at (with tolerance for tappet clearance indicated) **B.T.D.C. 12°±7°**  
 188. Valves close at (with tolernce for tappet clearance indicated) **A.B.D.C. 48°±7°**  
 189. Air filter, type **Dry**

**EXHAUST** (see page <sup>8</sup>)\*

195. Material (s) of exhaust manifold **Cast iron**  
 196. Diameter of valves **33** mm **1.3** inches  
 197. Max. valve lift **10** mm **0.39** 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) **0.25** mm inches  
 202. Valves open at (with tolerance for tappet clearance indicated) **B.B.D.C. 50°±7°**  
 203. Valves close at (with tolerance for tappet clearance indicated)- **A.T.D.C. 8°±7°**

**CARBURETION** (photograph N)

210. Number of carburetors fitted **1** 211. Type **Down draft**  
 212. Make **HITACHI** 213. Model **DAF 328**  
 214. Number of mixture passages per caburettor **± 2**  
 215. Flange hold diameter of exit port(s) of carburettor **P 28** mm in.  
**S 32**  
 216. Minimum dimensions of mixture pasage (s) ~~whichever is the greatest~~  
**P 24** mm inches  
**S 28**

**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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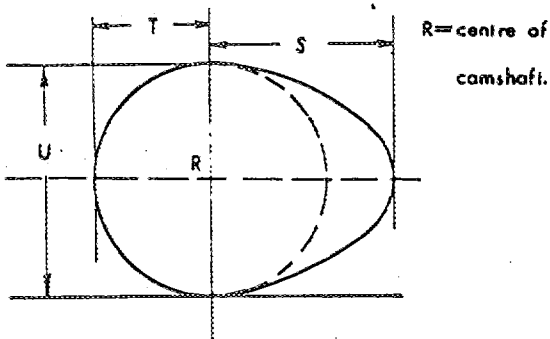
**ENGINE ACCESSORIES**

- 230. Fuel pump : mechanical and / ~~vacuum~~
- 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: ~~vacuum~~/alternator-number fitted 1
- 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 88 (type of horsepower: **JIS** ) at 5600 rpm
- 251. Maximum rpm 6000 output at that figure 85
- 252. Maximum torque 12.6 at 3600 rpm
- 253. Maximum speed of the car 160 km/hour miles / hour

255.



Inlet cam

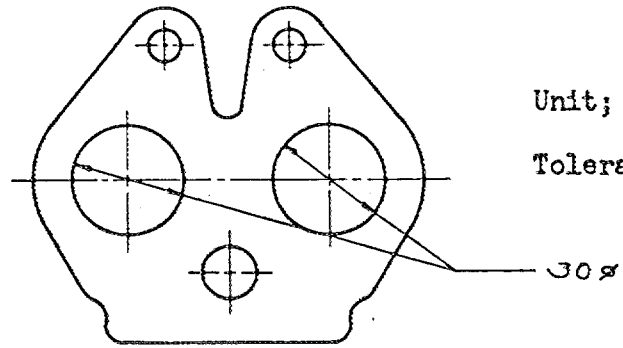
S =	23.5	mm	0.925	inches
T =	16.5	mm	0.650	inches
U =	33.3	mm	1.312	inches

Exhaust cam

S =	23.5	mm	0.925	inches
T =	16.5	mm	0.650	inches
U =	33.3	mm	1.312	inches



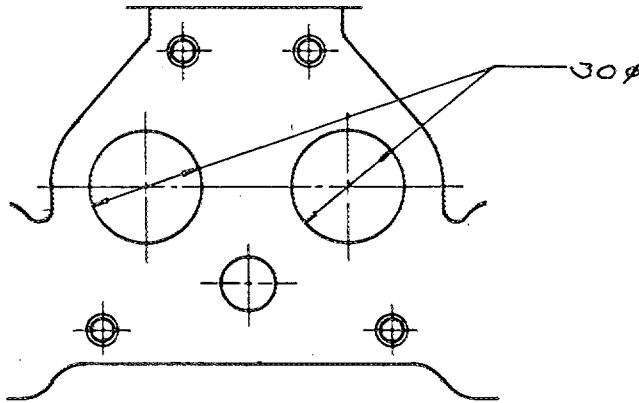
Drawing inlet manifold ports, side of cylinder-head. Indicate scale or dimensions and manufacturing tolerance.



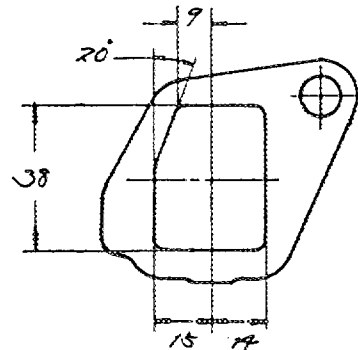
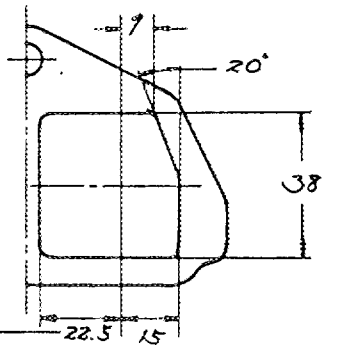
Unit; mm

Tolerance; ±1.5

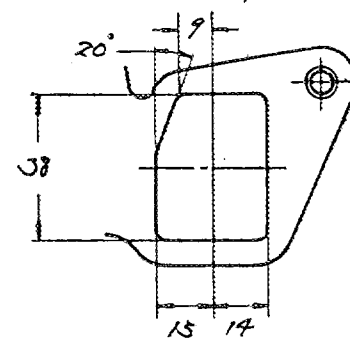
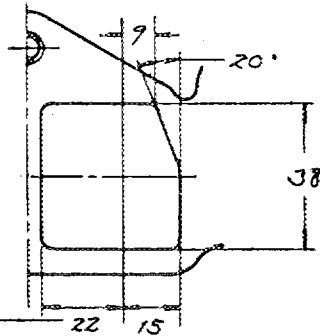
Drawing of entrance to inlet port of cylinder-head. Indicate scale or dimensions and manufacturing tolerance.



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.





**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)

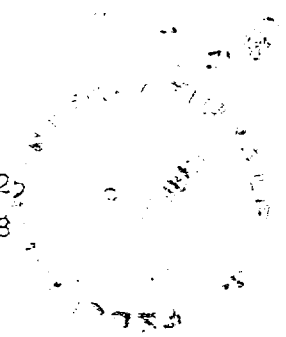
270. Manual type, make NISSAN Method of operation Mechanical  
 271. No. of gear-box ratios forward 4 272. Synchronized forward ratios 1, 2, 3, 4  
 273. Location of gear-shift Floor  
 274. Automatic, make Borg Warner type AS18-35EC  
 275. No. of forward ratios 3 276. Location of gear-shift: Steering column

277.	Manual		Automatic		Alternative manual		<del>Manual</del>	
	Ratio	No. teeth	Ratio	No. teeth	Ratio	No. teeth	Ratio	No. teeth
1	3.657	$\frac{32}{21} \times \frac{36}{15}$	2.393	$\frac{67}{17} \times \frac{17}{16} \times \frac{16}{28}$	3.382	$\frac{31}{22} \times \frac{36}{15}$	3.082	$\frac{31}{22} \times \frac{35}{16}$
2	2.177	$\frac{32}{21} \times \frac{30}{21}$	1.450	$(\frac{32}{16} \times \frac{16}{17} \times \frac{17}{28} + 1) \times (\frac{67}{32+67})$	2.013	$\frac{31}{22} \times \frac{30}{21}$	1.857	$\frac{31}{22} \times \frac{29}{22}$
3	1.419	$\frac{32}{21} \times \frac{17}{29}$	1.000	-	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	
5								
6								
reverse	3.638	$\frac{32}{21} \times \frac{18}{21} \times \frac{39}{14}$	2.094	$\frac{67}{17} \times \frac{17}{32}$	3.364	$\frac{31}{22} \times \frac{18}{21} \times \frac{39}{14}$	3.033	$\frac{31}{22} \times \frac{17}{22} \times \frac{39}{14}$

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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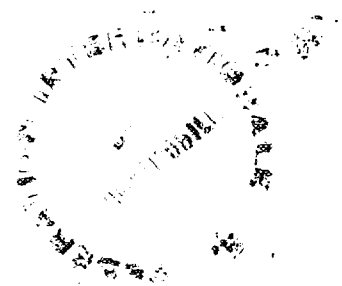
F. I. A. Rec. No.

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, 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.

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



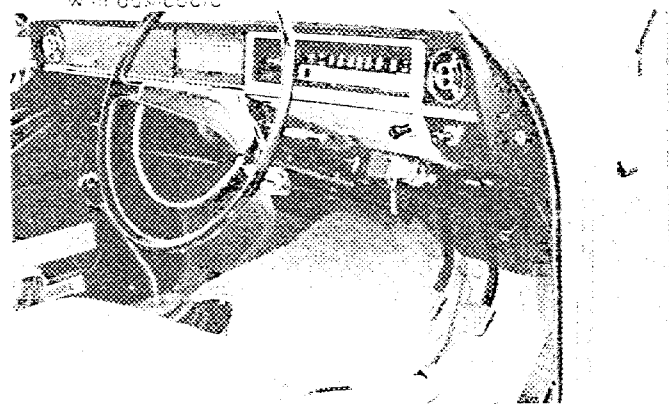
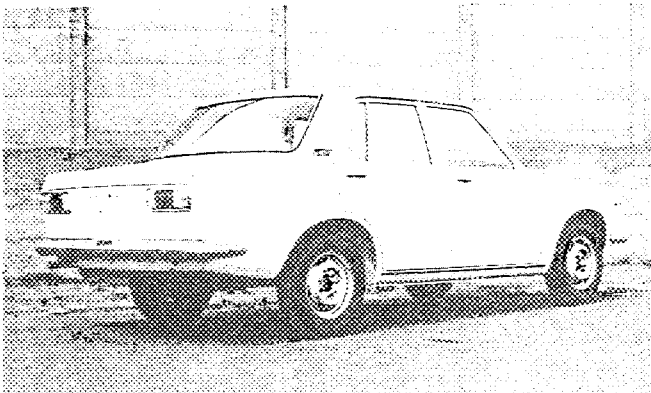
Make NISSAN

Model P510

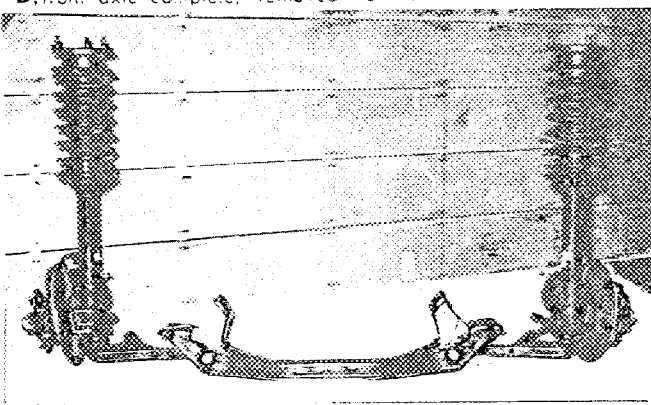
F.I.A. Rec. No.

Photograph Interior view of car through driver's door (open or removed) with dashboard

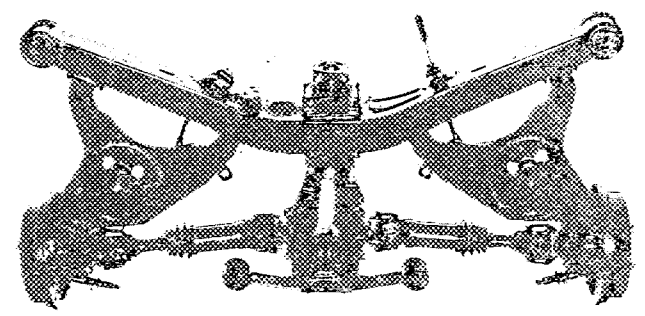
B, 3/4 view of car from rear



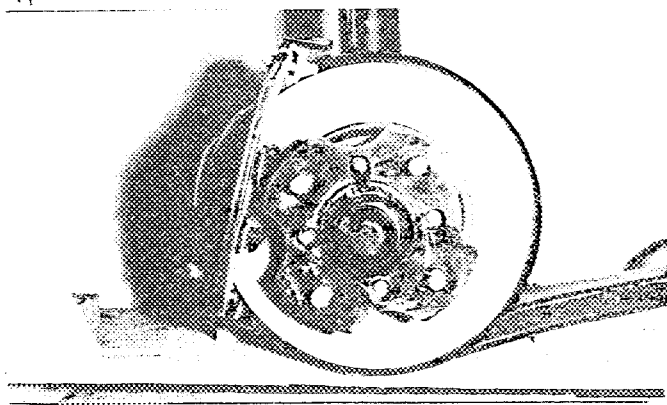
D, front axle complete, removed from car. Without wheels.



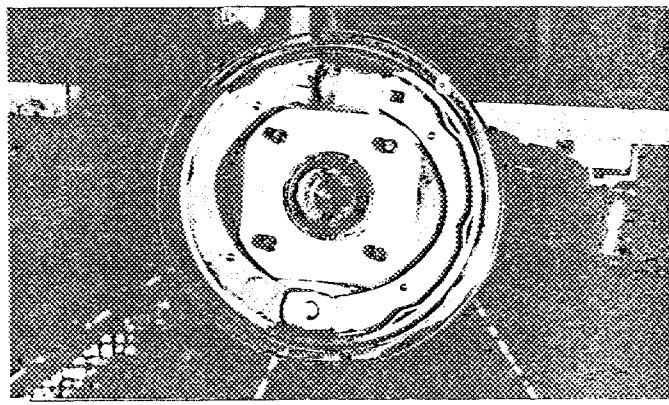
E, Rear axle complete without wheels, removed from car.



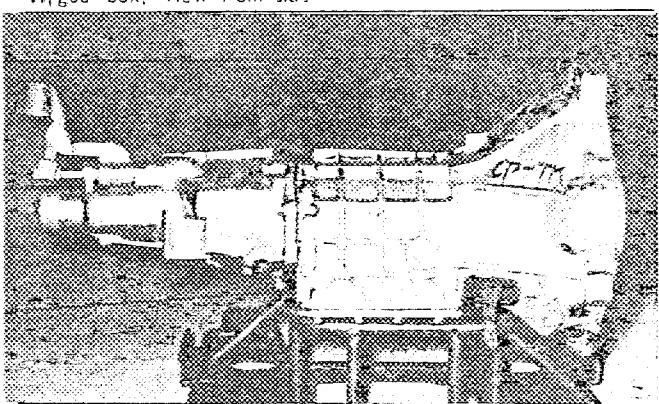
F, front brake, drum removed or disc with calipers!



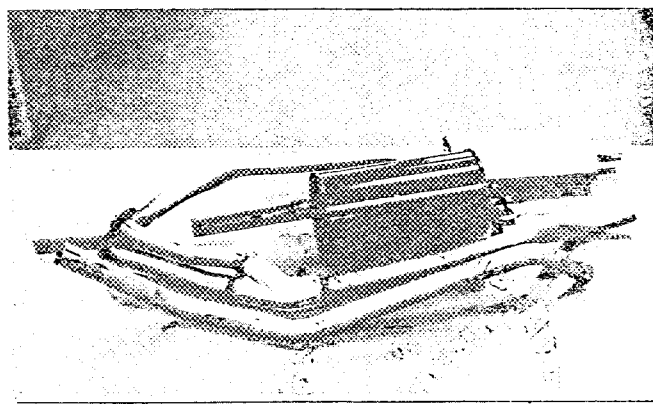
G, rear brake, drum removed or disc with calipers!



H, gear-box, view from side



I, silencer + exhaust pipes after exhaust manifold.



Make

NISSAN

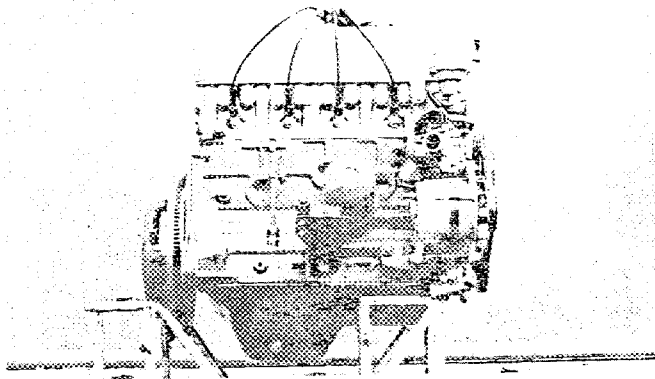
engine unit out of car, from right. With clutch and accessories but without air filter nor gear-box.

Photograph

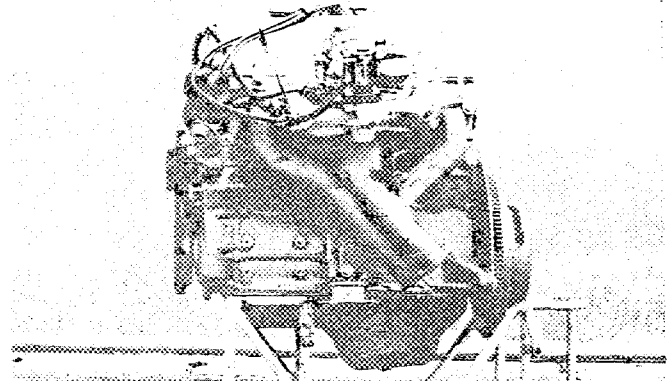
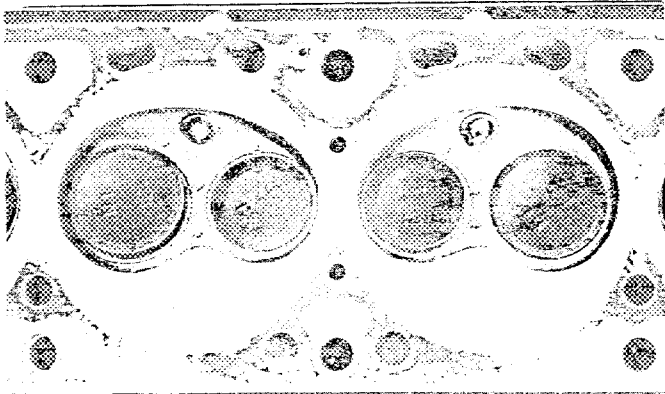
Model 2520

F. I. A. Rec. No.

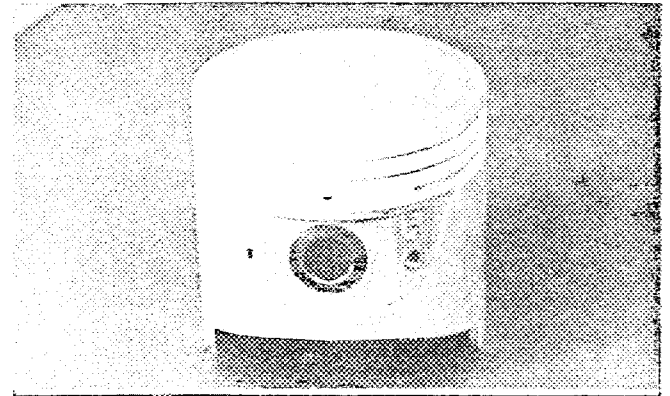
Engine unit out of car, from left. With clutch and accessories but without gear-box nor air filter.



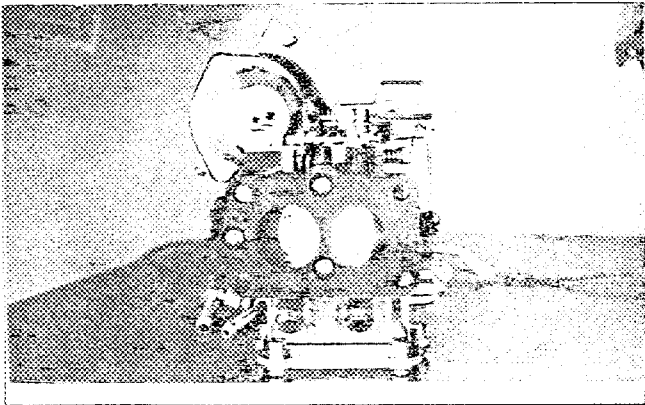
L, combustion chamber



M, piston crown



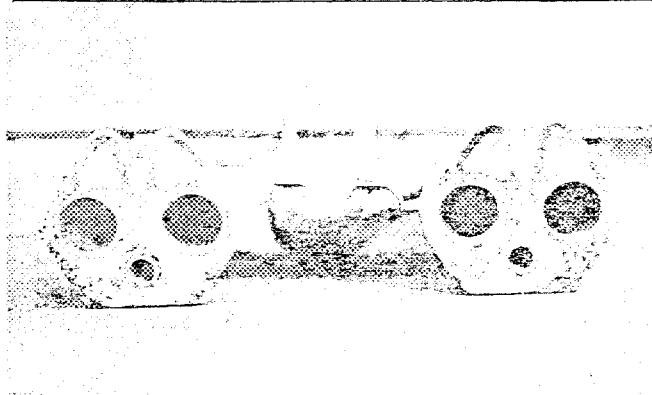
N, Carburettor (view from side of manifold)



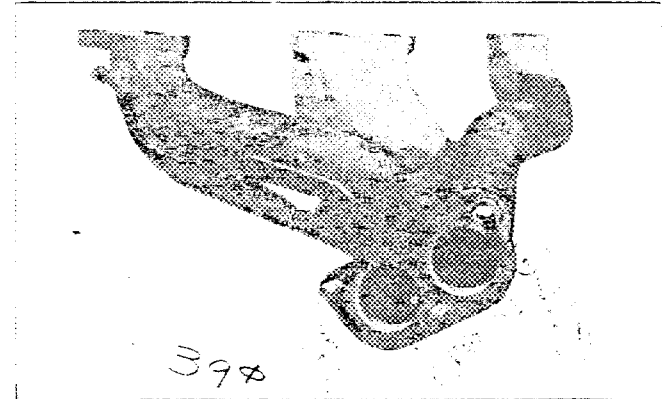
O, engine in car with all accessories, bonnet open or removed.



P, inlet manifold



Q, exhaust manifold



**TWO STROKE ENGINES**

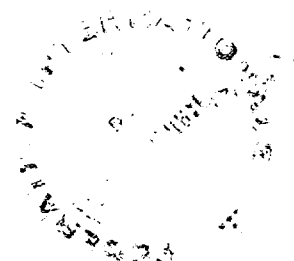
- 300. System of cylinder scavenging
- 301. Type of lubrication
- 302. Inlet ports, length measured around cylinder wall mm inches
- 303. Height inlet port mm in. 304. Area mm<sup>2</sup> sq. in.
- 305. Exhaust ports, length measured around cylinder wall mm inches
- 306. Height exhaust port mm in. 307. Area mm<sup>2</sup> sq. in.
- 308. Transfer port, length measured around cylinder wall mm inches
- 309. Height transfer port mm in. 310. Area mm<sup>2</sup> sq. in.
- 311. Piston ports, length measured around piston mm inches
- 312. Height piston port mm in. 313. Area mm<sup>2</sup> 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

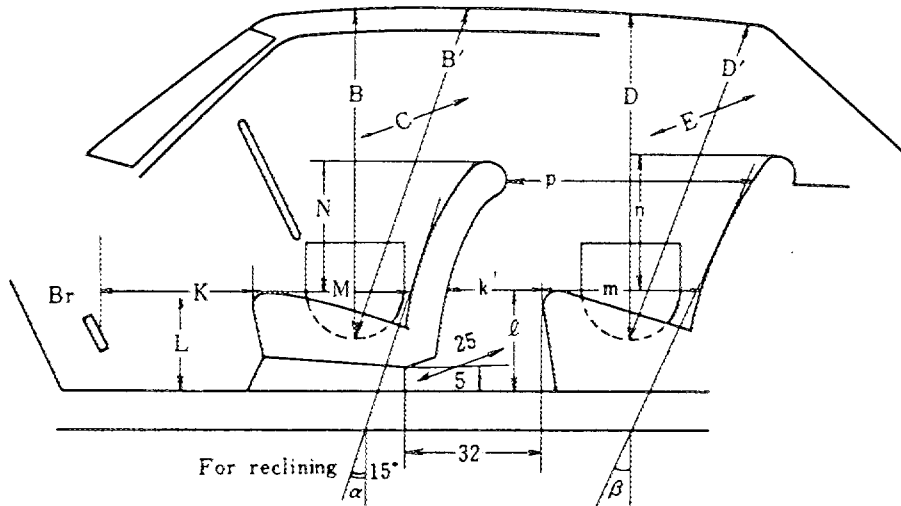
*Yasuharu Nanca*

Yasuharu Nanca



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

For four seaters :



Minimum Dimensions (cm)							
B	B'	$\alpha$	C	D	D'	$\beta$	E
90	100	15°	128	87	87	15°	128

Minimum Dimensions (cm)										
L	l	M	m	N	n	k+m	p	k	k+l+m	K+L+M
32	36	46	45	36	38	61	56	16	97	126
0.9L = 28.8		0.85M = 39.1		0.8N = 28.8		0.8(k+m) = 48.8		(15)	(95)	(120)





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

1530/1/1V

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

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

Make NISSAN MOTOR CO., LTD.

Model P510

Modification's application starts with serial No. chassis engine P510-000101 L16-000005

Application of this amendment started the Sept, 1968

Commercial denomination after application of modifications Oct, 1968

The modifications are to be considered as: Variant / ~~XXXXXXXXXXXXXXXXXXXX~~

Date amendment is valid from 11/1/68 list 1968/10

Description of amendment

FIA Homol No, 1530

7) Capacity of fuel tank 90 Ltrs/23.8 Gallon US

275) No. of forward ratios

277	Ratio	Manual No. teeth	Ratio	Manual No. teeth
1	2.678	$\frac{28}{23} \times \frac{33}{15}$	3.201	$\frac{29}{22} \times \frac{34}{14}$
2	1.704	$\frac{28}{23} \times \frac{28}{20}$	2.197	$\frac{29}{22} \times \frac{30}{18}$
3	1.262	$\frac{28}{23} \times \frac{28}{27}$	1.635	$\frac{29}{22} \times \frac{31}{25}$
4	1.000		1.224	$\frac{29}{22} \times \frac{26}{28}$
5	0.852	$\frac{28}{23} \times \frac{21}{30}$	1.000	
Rev	2.922	$\frac{28}{23} \times \frac{17}{15} \times \frac{36}{17}$	3.164	$\frac{29}{22} \times \frac{17}{15} \times \frac{36}{17}$

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

Stamp and signature of

National Sporting Authority

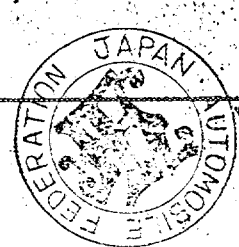
Stamp and signature of F.I.A.

JAPAN AUTOMOBILE FEDERATION

Handwritten signature: Yasuharu Nanba

Yasuharu Nanba

Handwritten signature of F.I.A.



Vertical Japanese text: 東京播磨大学長官印第三 地一番五 日本自動車連盟