



JAPAN AUTOMOBILE FEDERATION

F. I. A. Recognition No. *1476*
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	1,988	cm ³	121.3	cu. in.
Serial No. of chassis	54 - 104371	Model	S 54 B - 3			
Serial No. of engine	G7 - 145162	Manufacturer	NISSAN MOTOR CO., LTD.			
Recognition is valid from	<i>1st April 1967</i>	Manufacturer	NISSAN MOTOR CO., LTD.			
		List	<i>16/1</i>			
The manufacturing of the motor described in this recognition form was started on Jun. 1966 and the minimum production of 1000 identical cars, in accordance with the specifications of this form was reached on Jan. 1967						

Photograph A. 3/4 view of car from front



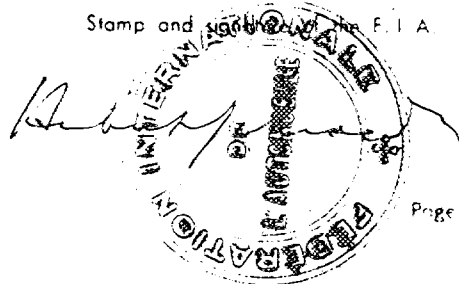
東京都港区芝公園第三号地一番
機械振興会館内
日本自動車連盟
法人

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.



Make

NISSAN

Model

S 54 B - 3

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.

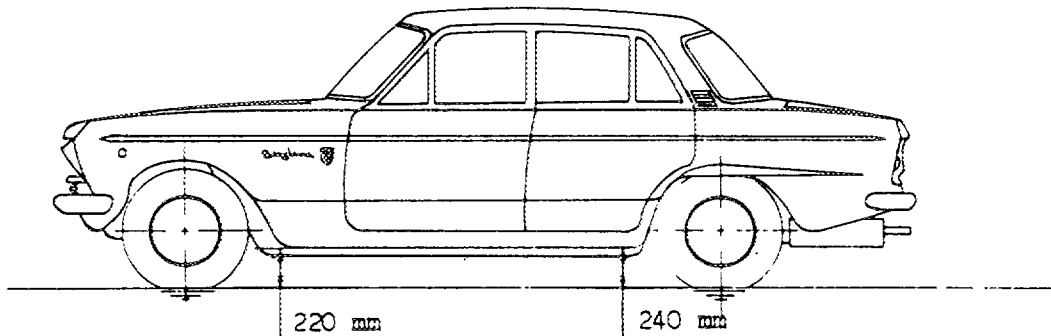
CAPACITIES AND DIMENSIONS

1	<u>Wheelbase</u>	2,590	mm	102	inches
2	<u>Front track</u>	1,265	mm	49.8	inches *
3	<u>Rear track</u>	1,255	mm	49.4	inches *
4	Overall length of the car	423.5	cm		inches
5	Overall width of the car	131.0	cm		inches
6	Overall height of the car	140.5	cm		inches
7	Capacity of fuel tank (reserve included)			99	litrs
	26.3	Gallon US		21.7	Gallon Imp.
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)	1,030	kg	2,271	lbs
				20.3	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	litrs
1 foot	pied	30.4794	cm	1 pint	pt	0.568	litrs
1 square inch	pouce carre	6.452	cm ²	1 gallon	imp.	4.546	litrs
1 cubic inch	pouce cube	16.387	cm ³	1 gallon	US	3.785	litrs
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 is: **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 Opening 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 **Separate Seats & Vinyl Leather**
- 42 Weight of front seat (s), complete with supports and rails, out of the car.
11 x 2 kg **lbs**
- 43 Rear seats, type of seats and upholstery **Bench Seat & Vinyl Leather**
- 44 Front bumper, material(s) **Steel** Weight **6.26** kg **lbs**
- 45 Rear bumper, material(s) **Steel** Weight **5.26** kg **lbs**

WHEELS

- 50 Type **Pressed Steel**
- 51 Weight per wheel, without tyre **6.5** kg **lbs**
- 52 Method of attachment **5 Hub-Bolts & Nuts**
- 53 Rim diameter **329.4** mm **13** inches
- 54 Rim width **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 **2.6**
- 63 In case of servo-assistance

Make NISSAN

Model S 54 B - 3

F.I.A. Rec. No.

SUSPENSION

70. Front suspension (photogr. D), type	Independent, Wishbone
71. Type of spring	Coil
72. Stabiliser (if fitted)	Torsion Bar
73. Number of shockabsorbers 2	74. Type Hydraulic, Telescopic
78. Rear suspension (photogr. E), type	Rigid Axle Case, Leaf Spring
79. Type of spring	Semi-Elliptic Leaf Spring
80. Stabiliser (if fitted)	Torsion Bar & Torque Rod
81. Number of shockabsorbers 2	82. Type Hydraulic, Telescopic

BRAKES (photographs F and G)

90. System	Hydraulic Operation
91. Servo-assistance (if fitted), type	Vacuum
92. Number of hydraulic master cylinders	2

	FRONT		REAR	
93. Number of cylinders per wheel	2		1	
94. Bore of wheel cylinder (s)	57.1 mm	in.	22.2 mm	in.
Drum brakes				
95. Inside diameter	mm	in.	230 mm	in.
96. Length of brake linings	mm	in.	240 & 240 mm	in.
97. Width of brake linings	mm	in.	35 mm	in.
98. Number of shoes per brake	-		2	
99. Total area per brake	mm ²	sq. in.	16,800 mm ²	sq. in.

Disc brakes				
100. Outside diameter	246 mm	in.	mm	in.
101. Thickness of disc	10.4 mm	in.	mm	in.
102. Length of brake linings	54 mm	in.	mm	in.
103. Width of brake linings	47.5 mm	in.	mm	in.
104. Number of pads per brake	2			
105. Total area per brake	5,130 mm ²	sq. in.	mm ²	sq. in.

Make NISSAN

Model S 54 B - 3

F. I. A. Rec. No

~~XXXXXX~~ (photographs J and K)

130. Cycle	4	131. Number of cylinders	6
132. Cylinder arrangement	In Line		
133. Bore	75 mm 2.95 in.	134. Stroke	75 mm 2.95 in.
135. Capacity per cylinder	331 cm ³		20.2 cu. in.
136. Total cylinder-capacity	1,988 cm ³		121.3 cu. in.
137. Material (s) of cylinder block	Cast Iron		
138. Material (s) of sleeves (if fitted)	Cast Iron		
139. Cylinder-head, material (s)	Cast Iron	Number fitted	1
140. Number of inlet ports	6	141. Number of exhaust ports	6
142. Compression ratio	9.3		
143. Volume of one combustion chamber		58 cm ³	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	56.5 mm		inches
147. Crankshaft XXXXXX	stamped	148. Type of crankshaft	integral /
149. Number of crankshaft main bearings	4		
150. Material of bearing cap	Cast Iron		
151. System of lubrication XXXXXX	oil in sump		
152. Capacity lubricant	6.5 ltrs	als	quarts US
153. Oil cooler XXXX	no	154. Method of engine cooling	Water Cooling
155. Capacity of cooling system	11.2 ltrs	pints	quarts US
156. Cooling fan if fitted, dia	38 cm		inches
157. Number of blades of cooling fan	4		

~~XXXXXX~~

158. Crankshaft main, type	Plain	Dia	53 mm	in
159. Connecting rod big end,	Plain	Dia	47 mm	in

~~XXXXXX~~

160. Flywheel, plain	6.6 kg	als		
161. Flywheel with clutch (all turning parts)		12.7 kg		lbs
162. Crankshaft	24 kg	lb: 163. Connecting rod	0.66 kg	lbs
164. Piston with rings and pin	0.5 kg			lbs

FOUR STROKE ENGINES

170. Number of camshafts 1 171. Location Over Head
 172. Type of camshaft drive Chain
 173. Type of valve operation Rocker Arm

INLET see page 4 *

180. Material of inlet manifold Al - Cast
 181. Diameter of valves 40 mm 1.57 inches
 182. Max. valve lift 10.5 mm 0.41 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 27° B.T.D.C. ±5°
 188. Valves close at with tolerance for tappet clearance indicated 43° A.B.D.C. ±5°
 189. Air filter type Dry

EXHAUST see page 4

195. Material of exhaust manifold Cast Iron
 196. Diameter of valves 35 mm 1.38 inches
 197. Max. valve lift 10.5 mm 0.41 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 0.2 mm inches
 202. Valves open at with tolerance for tappet clearance indicated 49° B.B.D.C. ±5°
 203. Valves close at with tolerance for tappet clearance indicated 21° A.T.D.C. ±5°

CARBURETION photograph N

210. Number of carburetors fitted 3 211. Type Side Draft
 212. Make Weber 213. Model 40 DGOE
 214. Number of mixture passages per carburetor 2
 215. Passage hole diameter of exit ports of carburetor 40 mm in
 216. Minimum dimensions of mixture passage(s) ~~40 mm~~ 30 mm inches

INJECTION 4 lines

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

* for additional information concerning two-stroke engines and supercharged engines see page 13

Make NISSAN

Model S 54 B - 3

F.I.A Rec No.

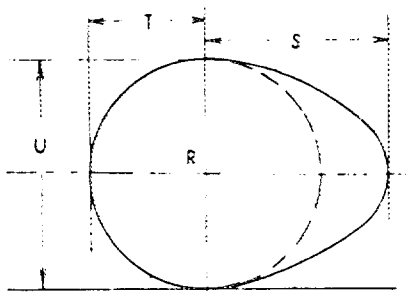
ENGINE ACCESSORIES

- 230. Fuel pump, mechanical ~~mechanical~~
- 231. No. fitted 1
- 232. Type of ignition system Make & Break Ignition
- 233. No of distributors 1
- 234. No of ignition coils 1
- 235. No of spark plugs per cylinder 1
- 236. Generator, type ~~generator~~ alternator - number fitted 1
- 237. Method of drive V Belt
- 238. Voltage of generator 12 volts
- 239. Battery, number 1
- 240. Location Trunk Room
- 241. Voltage of battery 12 volts

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

- 250. Max. engine output 125 PS type of horsepower: JIS at 5600 rpm
- 251. Maximum rpm output at that figure
- 252. Maximum torque 17 Kg - m at 4400 rpm
- 253. Maximum speed of the car 180 km / hour miles / hour

255.



R=centre of camshaft.

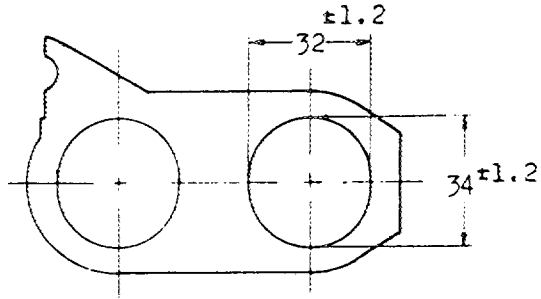
Inlet cam

S =	22.8	mm	0.9	inches
T =	16.8	mm	0.66	inches
U =	33.6	mm	1.32	inches

Exhaust cam

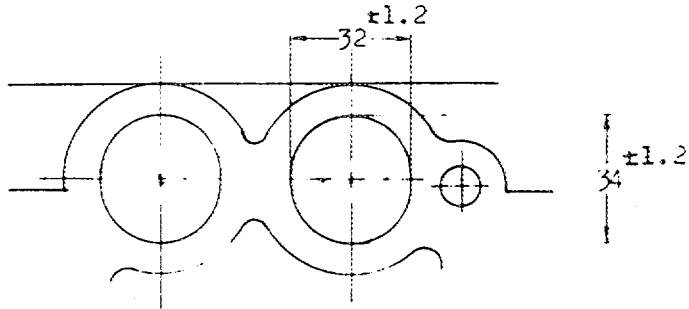
S =	22.8	mm	0.9	inches
T =	16.8	mm	0.66	inches
U =	33.6	mm	1.32	inches

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

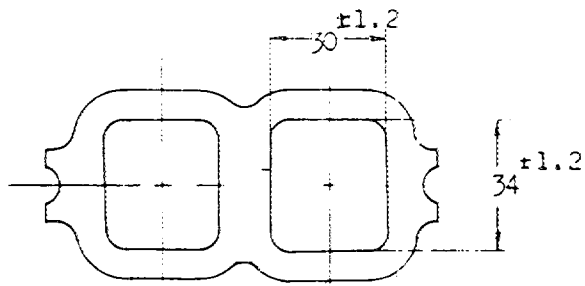


Dimensions : mm

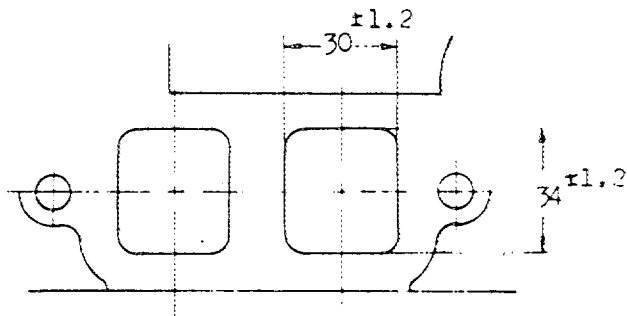
Drawing of entrance to inlet part of cylinder-head. Indicate scale or dimensions and manufacturing tolerance.



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



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



DRIVE TRAIN

CLUTCH

260. Type of clutch **Dry Plate** 261. No of plates **1**
 262. Dia. of clutch plates **21.5** cm inches
 263. Dia. of linings, inside **15.4** cm in. outside **21.5** cm in
 264. Method of operating clutch **Hydraulic**

GEAR BOX photograph H

270. Manual type, make **NISSAN MOTOR CO., LTD.** Method of operation **Mechanical**
 271. No. of gear-box ratios forward **5** 272. Synchronized forward ratios **2,3,4,5**
 273. Location of gear-shift **Floor**
 274. Automatic, make type
 275. No. of forward ratios **5** 276. Location of gear-shift

277.	Manual			Automatic Alternative manual			Alternative manual			Automatic		
	Ratio	No.	teeth	Ratio	No.	teeth	Ratio	No.	teeth	Ratio	No.	teeth
1	2.851	$\frac{27}{23}$	$\frac{34}{14}$	2.851	$\frac{27}{23}$	$\frac{34}{14}$	2.980	$\frac{27}{22}$	$\frac{31}{14}$	2.583	$\frac{27}{23}$	$\frac{33}{15}$
2	1.854	$\frac{27}{23}$	$\frac{30}{19}$	1.854	$\frac{27}{23}$	$\frac{30}{19}$	1.700	$\frac{27}{22}$	$\frac{29}{20}$	1.702	$\frac{27}{23}$	$\frac{29}{20}$
3	1.378	$\frac{27}{23}$	$\frac{27}{23}$	1.221	$\frac{27}{23}$	$\frac{26}{25}$	1.270	$\frac{27}{22}$	$\frac{26}{25}$	1.221	$\frac{27}{23}$	$\frac{26}{25}$
4	1.000			1.000			1.000			1.000		
5	0.810	$\frac{27}{23}$	$\frac{20}{29}$	0.881	$\frac{27}{23}$	$\frac{21}{28}$	0.846	$\frac{27}{22}$	$\frac{20}{29}$	0.881	$\frac{27}{23}$	$\frac{21}{28}$
6												
reverse	3.564	$\frac{27}{23}$	$\frac{25}{14}$ $\frac{34}{20}$	3.564	$\frac{27}{23}$	$\frac{25}{14}$ $\frac{34}{20}$	3.726	$\frac{27}{22}$	$\frac{25}{14}$ $\frac{34}{20}$	2.952	$\frac{27}{23}$	$\frac{24}{15}$ $\frac{33}{21}$

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

FINAL DRIVE

290. Type of final drive **Hypoid**
 291. Type of differential **Bevel Gear**
 292. Type of limited slip differential if fitted: ~~Mechanical~~ **Friction.**
 293. Final drive ratio **4.444,** **4.875,** **5.057,** **4.556**
 Number of teeth **40/ 9** **39/ 8** **41/ 7** **41/ 9**

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, 162, 64, 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.

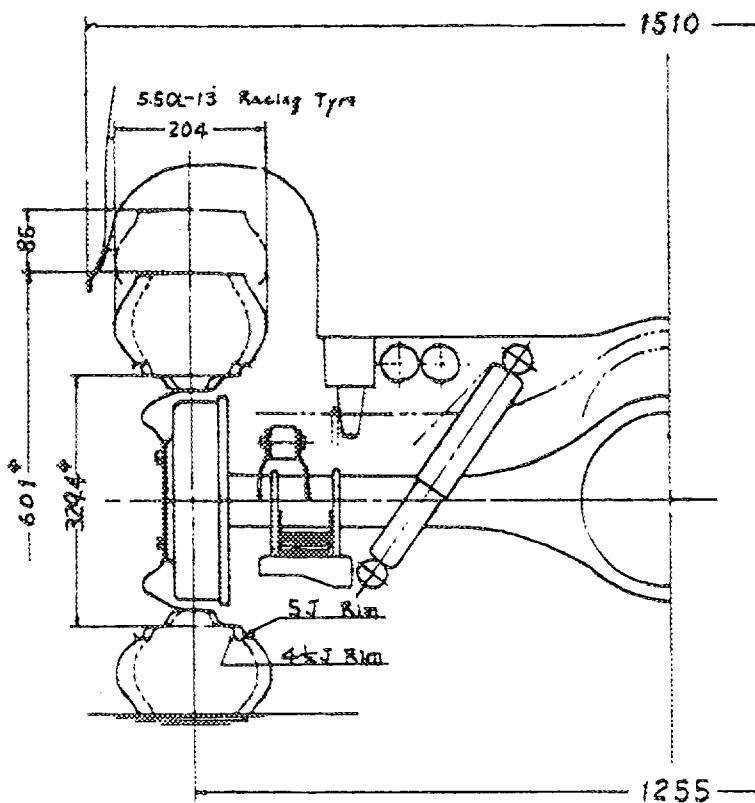
During the scrutineering of cars entered in group 4 Sports cars, only the following items of the present recognition form are to be taken into consideration 1, 2, 3, 9, 20, 21, 22, 23, 24, 25, 26, 70, 71, 78, 79, 90, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 147, 148, 149, 150, 158, 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.

WHEELS

- 50. Type Pressed Steel
- 51. Weight (per wheel, without tyre) 0.7 Kg lbs
- 52. Method of attachment ↳ Hub-bolts & nuts
- 53. Rim diameter 329.4 mm 13 inches
- 54. Rim width 127 mm 5 inches

(See Figure)



Make

NISSAN

Model S 54 B - 3

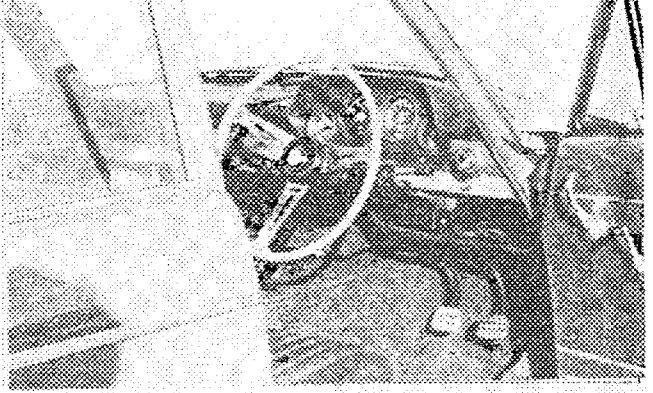
F.I.A. Rec. No.

Photograph

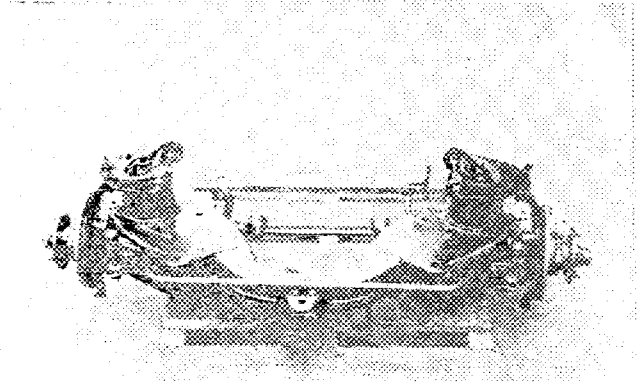
B. 3/4 view of car from rear



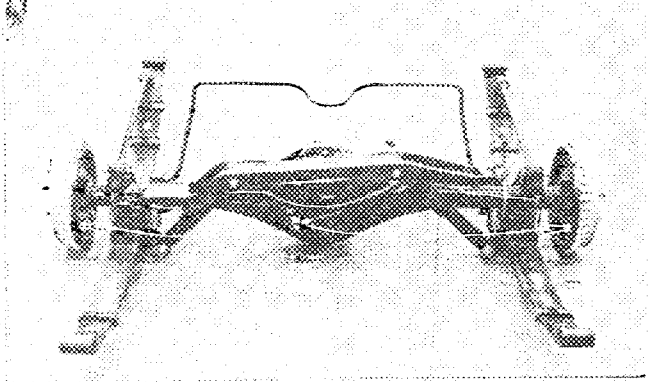
C. Interior view of car through driver's door, looking in; removed; Glass shattered



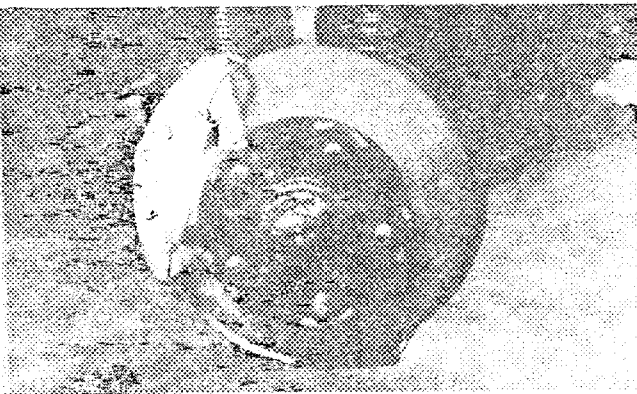
D. Front view of car chassis with wheels removed



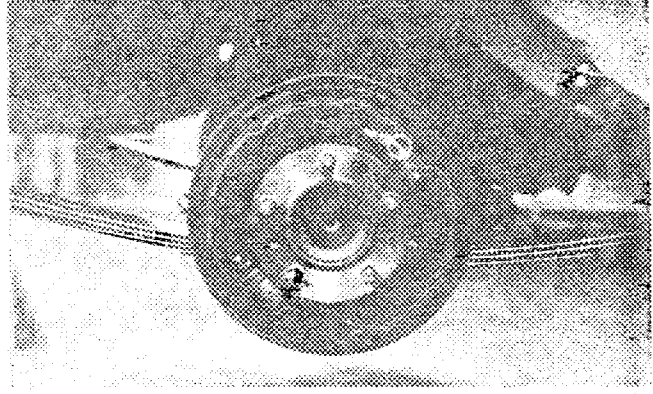
E. Rear view of chassis with wheels removed from car



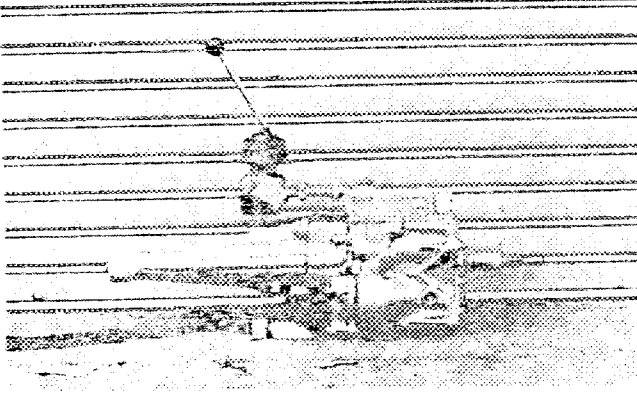
F. Close-up view of front wheel hub and tire



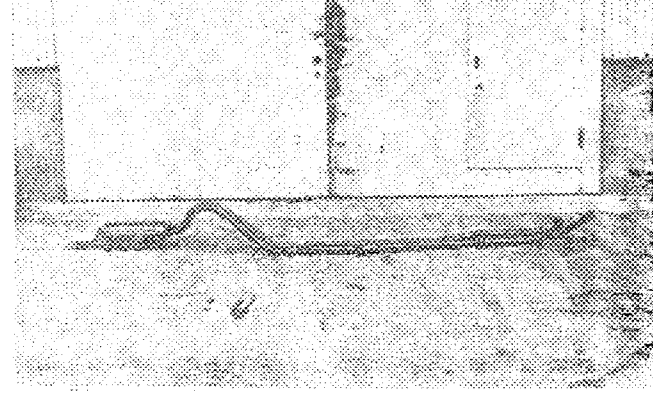
G. Close-up view of rear wheel hub and tire



H. Close-up view of front suspension components



I. Close-up view of rear suspension components



Make **ALFA**

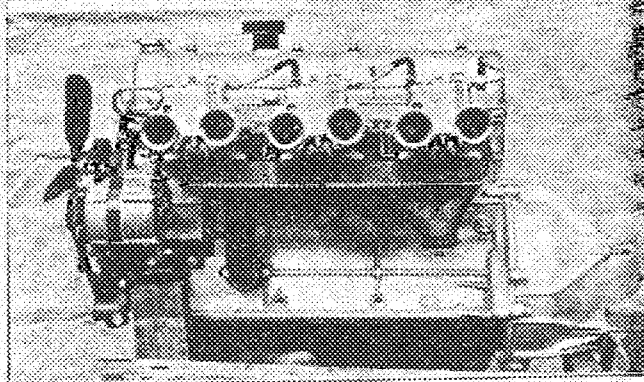
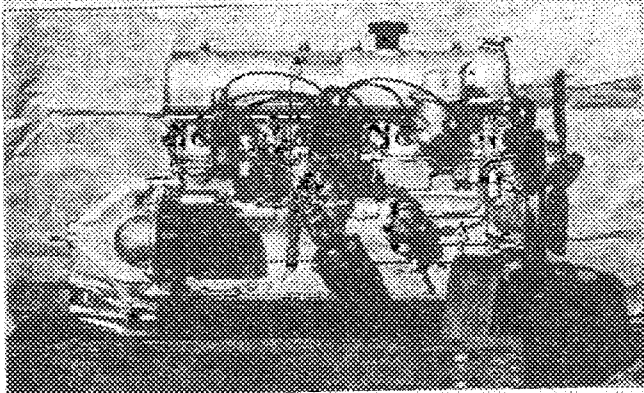
Model **S 54 B - 3**

F. I. A. Rec. No.

Photograph

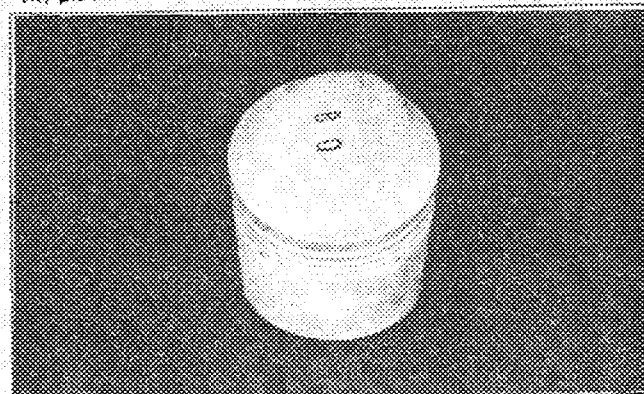
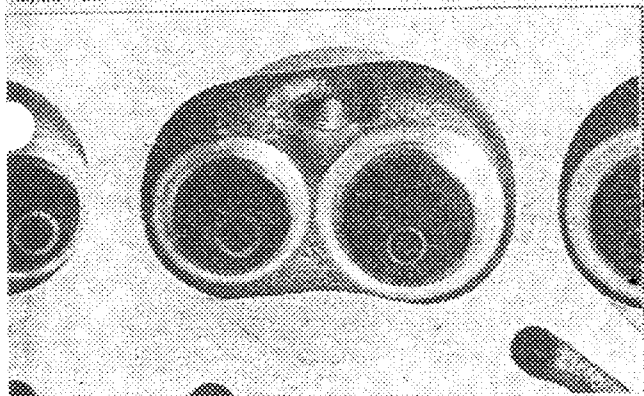
engine unit out of car, from right. With clutch and accessories but without air filter nor gear-box.

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



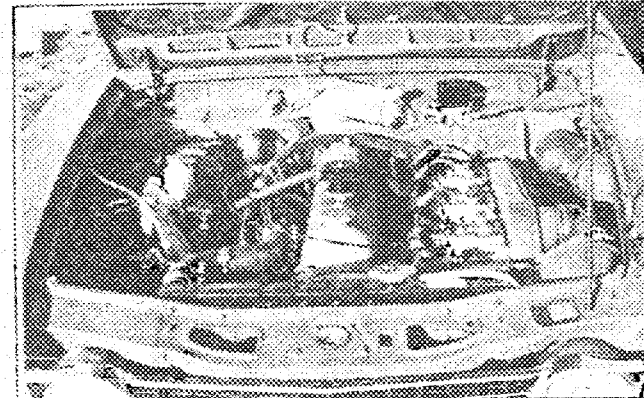
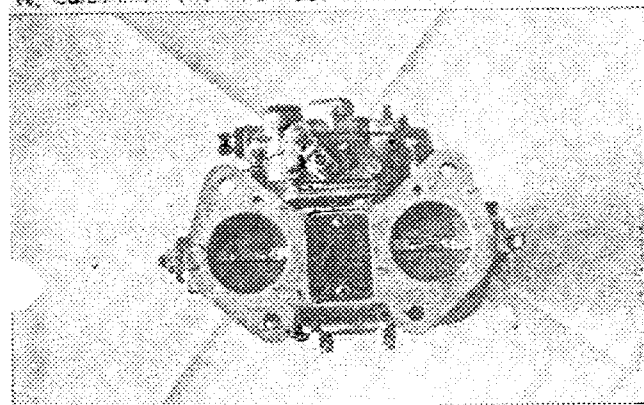
K, combustion chamber

M, piston crown



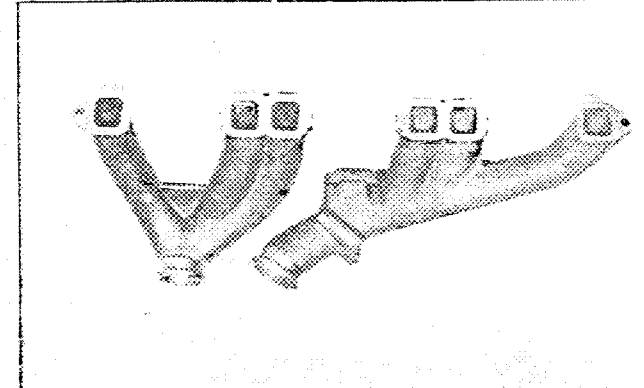
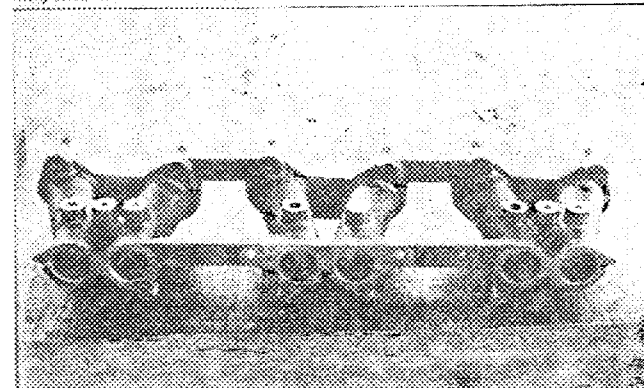
N, Carburetor (view from side of manifold)

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



P, inlet manifold

Q, exhaust manifold



Make NISSAN

Model

S 54 B - 3

F. I. A. Rec. No

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 parts.

330. Supercharging—state full details hereafter :

JAPAN AUTOMOBILE FEDERATION



Y a s u h a r u N a n b a

Make

NISSAN

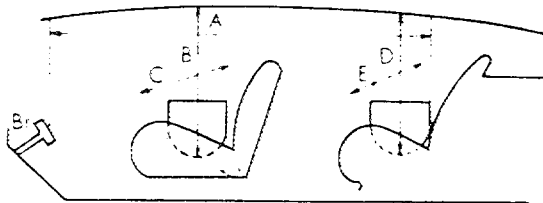
Model

S 54 B - 3

F.I.A. Rec. No.

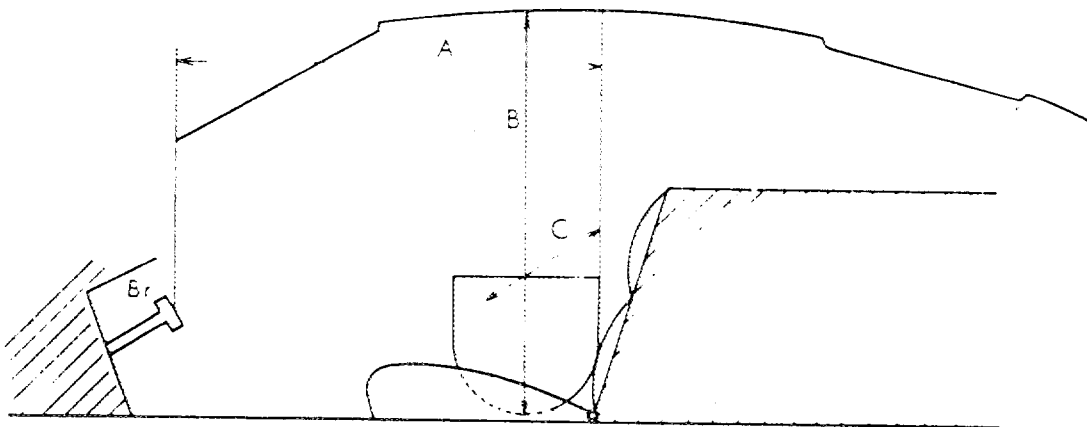
DIMENSIONS OF INTERIOR
(Conform to Art. 253 b of Appendix J)

For four seaters



Minimum		Dimensions		
A	B	C	D	E
1,620 mm	970 mm	1,245 mm	930 mm	1,340 mm

~~For two seaters~~



Minimum		Dimensions
A	B	C