JAPAN AUTOMOBILE FEDERATION

F. I. A. Recognition No. 1538
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.

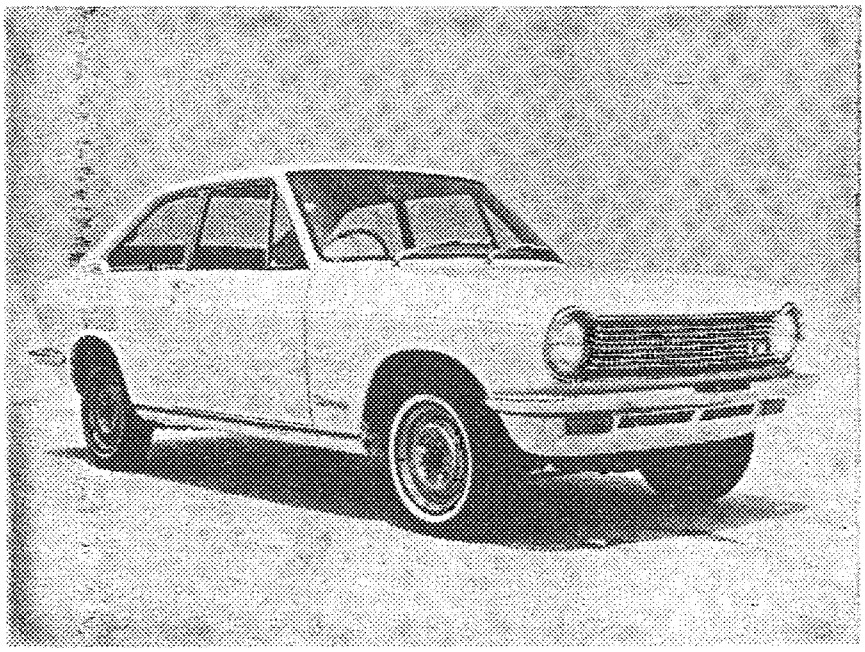
Serial No. of chassis KR1C-000012
engine A10-168270

Cylinder-capacity 988 cm3 60.29 cu. in.
Model DATSUN SUNNY KB(L)10
Manufacturer NISSAN
Manufacturer NISSAN

Recognition is valid from 1st November 1968 List 1968/10

The manufacturing of the model described in this recognition form was started on JAN. 1968 and the minimum production of 1,000 identical cars, in accordance with the specifications of this form was reached on FEB. 1968

Photograph A, 3/4 view of car from front



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	

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 National Sporting Authority

Stamp and signature of the F. I. A.

Make NISSAN Model KB(L)10 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 coversion table hereafter.

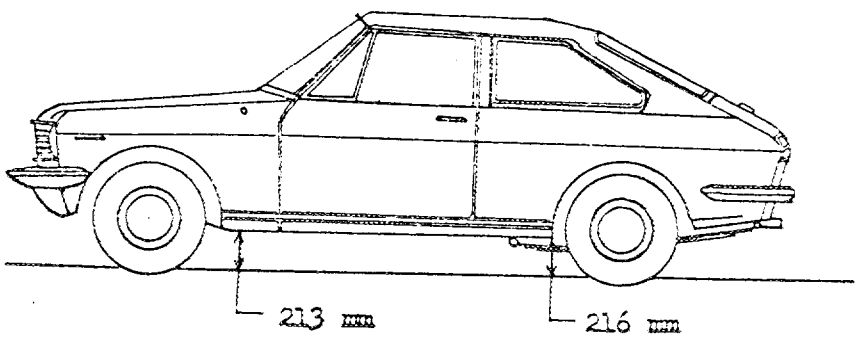
CAPACITIES AND DIMENSIONS

1. Wheelbase	2,280	mm		89.8	inches		
2. Front track	1,190	mm		46.8	inches *		
3. Rear track	1,180	mm		46.4	inches *		
4. Overall length of the car			377.0	cm			inches
5. Overall width of the car			144.5	cm			inches
6. Overall height of the car			131.0	cm			inches
7. Capacity of fuel tank (reserve included)					36,8	ltrs	
	9,75	Gallon US				Gallon Imp.	
8. Seating capacity	5						
9. Weight, total weight of the car with normal equipment, water, oil and spare wheel but without fuel nor repair tools:							
	635	kg		1,399	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

Make NISSAN Model KB(L).

CHASSIS AND COACHWORK (Photographs A, B and C)

20. Chassis / body construction : ~~XXXXX~~ / 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 2 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

31 Sliding system of door windows Vertical manual

32 Material (s) of rear-quarter light Glass

ACCESSORIES AND UPHOLSTERY

38 Interior heating : ~~XXX~~ - no 39. Air-conditioning : ~~XXX~~ - no

40 Ventilation : yes - ~~XX~~

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 :

7 x 2 kg lbs

Rear seats, type of seats and upholstery Bench vinyl

43 Front bumper, material (s) Steel Weight 5.7 kg lbs

44 Rear bumper, material (s) Steel Weight 5.3 kg lbs

WHEELS

50 Type Pressed steel

Weight (per wheel, without tyre) 4.2 kg lbs

51 Method of attachment Wheel nut (4 nuts)

53 Rim diameter 305 mm 12 inches

54 Rim width 89 mm 3.5 inches

102 mm 4 inches

STEERING

80 Type Recirculating ball

81 Servo-assistance : ~~XXX~~ - no

Number of turns of steering wheel from lock to lock 3.4

83. In case of servo-assistance .

Make NISSAN Model KB(L)1(

SUSPENSION

70. Front suspension (photogr. D), type: Independent wishbone
71. Type of spring: Leaf
72. Stabiliser (if fitted)
73. Number of shockabsorbers: 2 — 74. Type: Hydraulic telescopic
78. Rear suspension (photogr. E), type: Rigid
79. Type of spring: Leaf
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)	20.6 mm	in.	20.6 mm	in.
Drum brakes				
95. Inside diameter	203.2 mm	in.	203.2 mm	in.
96. Length of brake linings	195 mm	in.	195 mm	in.
97. Width of brake linings	35 mm	in.	35 mm	in.
98. Number of shoes per brake	2		2	
99. Total area per brake	13,650 mm^2	sq. in.	13,650 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.

Make NISSAN Model KB(L)10 F.I.A. Rec. No.

ENGINE (photographs J and K)

130. Cycle 4

131. Number of cylinders 4

132. Cylinder arrangement In line

133. Bore 73 mm 2.87 in.

134. Stroke 59 mm 2.32 in.

135. Capacity per cylinder 247 cm³ 15.07 cu. in.

136. Total cylinder-capacity 988 cm³ 60.29 cu. in.

137. Material (s) of cylinder block Cast iron

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

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

140. Number of inlet ports 4

141. Number of exhaust ports 4

142. Compression ratio 9.0 : 1

143. Volume of one combustion chamber 23.5 cm³ 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

32.5 mm inches

147. Crankshaft : ~~xxxxxx~~ / stamped

148. Type of crankshaft : integral / ~~xxxxxxxx~~

149. Number of crankshaft main bearings 3

150. Material of bearing cap Cast iron

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

152. Capacity, lubricant 3.1 ltrs pts quarts US

153. Oil cooler : ~~xxx~~ / no

154. Method of engine cooling Water

155. Capacity of cooling system 3.8 ltrs pints quarts US

156. Cooling fan (if fitted), dia. 28 cm inches

157. Number of blades of cooling fan 4

Bearings

158. Crankshaft main, type Plain Dia. 50 mm in.

159. Connecting rod big end, Plain Dia. 48 mm in.

Weights

160. Flywheel (clean) 8.0 kg lbs

161. Flywheel with clutch (all turning parts) 11.0 kg lbs

162. Crankshaft 10.0 kg lbs 163. Connecting rod 0.41 kg lbs

164. Piston with rings and pin 0.34 kg lbs

Make NISSAN Model KB(L)10 F.I.A. Rec. No.

FOUR STROKE ENGINES

170. Number of camshafts 1 171. Location Cylinder block

172. Type of camshaft drive Chain

173. Type of valve operation Push rod

INLET (see page 4) *

180. Material(s) of inlet manifold Al-cast

181. Diameter of valves 35 mm 1.38 inches

182. Max. valve lift 8 mm 0.31 in. 183. Number of valve springs 1

184. Type of spring Coil 185. Number of valves per cylinder 1

186. Tappet clearance for checking timing (cold) 0.4 mm inches

187. Valves open at (with tolerance for tappet clearance indicated) B.T.D.C. $12^{\circ}\pm7^{\circ}$

188. Valves close at (with tolernce for tappet clearance indicated) A.B.D.C. $48^{\circ}\pm7^{\circ}$

189. Air filter, type Dry

EXHAUST (see page 4)

195. Material (s) of exhaust manifold Cast iron

196. Diameter of valves 29 mm 1.14 inches

197. Max. valve lift 8 mm 0.31 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) 0.4 mm inches

202. Valves open at (with tolerance for tappet clearance indicated) B.B.D.C. $50^{\circ}\pm7^{\circ}$

203. Valves close at (with tolerance for tappet clearance indicated) A.T.D.C. $10^{\circ}\pm7^{\circ}$

CARBURETION (photograph N)

210. Number of carburettors fitted 1 211. Type Down draft

212. Make HITACHI 213. Model DCG-286-9A

214. Number of mixture passages per caburettor 2

215. Flange bold diameter of exit port(s) of carburetteor Primary 26 Secondary 28 mm in.

216. Minimum dimensions of mixture pasage (s) ~~xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx~~

Primary 20
Secondary 24 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

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

Make NISSAN Model KE(L)10 F. I. A. Rec. No.

ENGINE ACCESSORIES

230. Fuel pump : mechanical and / ~~xxxxxxx~~ 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: ~~xxxxx~~/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)

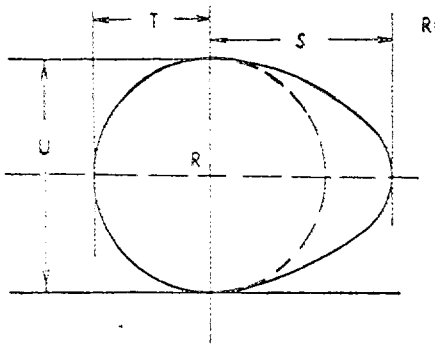
250. Max. engine output 60 PS (type of horsepower: JIS) at 6,000 rpm

251. Maximum rpm 6,400 output at that figure 58 PS

252. Maximum torque 8.2 kg-m at 4,000 rpm

253. Maximum speed of the car 140 km / hour miles / hour

255.

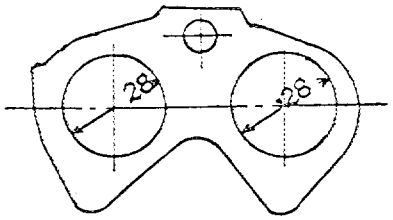


R = centre of camshaft.

Inlet cam				
S =	20.9	mm	0.822	inches
T =	15.6	mm	0.614	inches
U =	31.2	mm	1.228	inches
Exhaust cam				
S =	20.9	mm	0.822	inches
T =	15.6	mm	0.614	inches
U =	31.2	mm	1.228	inches

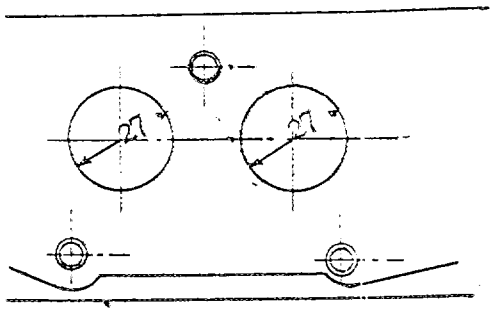
Make NISSAN Model KB(L)12 F. I. A. Rec. No.

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

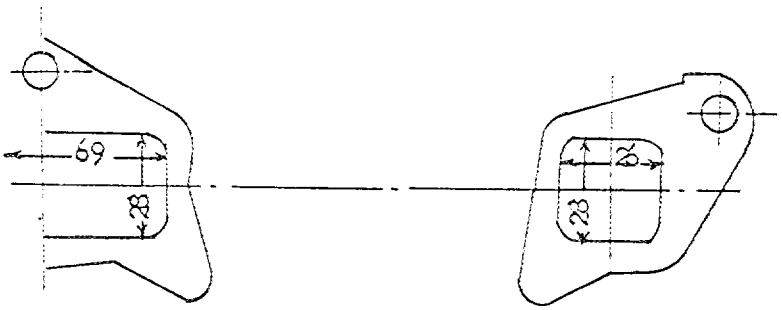


Unit ; mm
Tolerance; ± 1.5

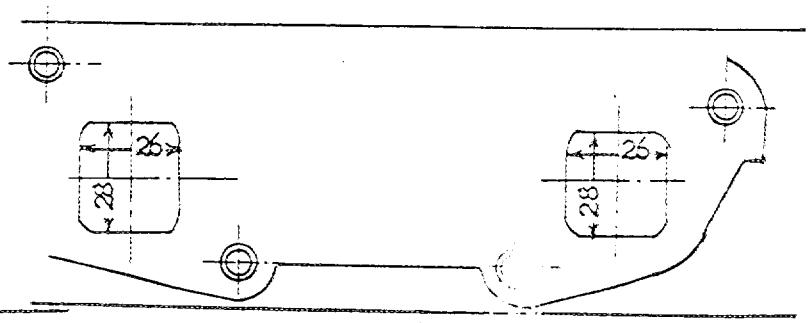
Drawing of entrance to inlet port of cylinder-head. Indicate scale or dimensions and manufacturing tolerance.



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.



Make NISSAN Model KB(L)10 F.I.A. Rec. No.

DRIVE TRAIN

CLUTCH

260. Type of clutch: Dry single plate
261. No. of plates: 1
262. Dia. of clutch plates: 16 cm
263. Dia. of linings, inside: 11 cm in. outside: 16 cm in.
264. Method of operating clutch: Mechanical

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: NISSAN
type: 3N71
275. No. of forward ratios: 3
276. Location of gear-shift: Floor

277.	Manual Ratio	Manual No. teeth	Automatic Ratio	Automatic No. teeth	Alternative manual/~~xxxxxx~~ Ratio	Alternative manual/~~xxxxxx~~ No. teeth	Ratio	No. teeth
1	3.757	$\frac{29}{19} \times \frac{32}{13}$	2.458	$(\frac{72}{19} \times \frac{19}{33} + 1) \times$	2.862	$\frac{29}{19} \times \frac{30}{16}$		
2	2.169	$\frac{29}{19} \times \frac{27}{19}$		$\frac{19}{72} \times \frac{33}{19} + 1$	1.908	$\frac{29}{19} \times \frac{25}{20}$		
3	1.404	$\frac{29}{19} \times \frac{23}{25}$	1.458 1.000	$\frac{19}{72} \times \frac{33}{19} + 1$	1.350	$\frac{29}{19} \times \frac{23}{26}$		
4	1.000				1.000			
5								
6								
reverse	3.640	$\frac{29}{19} \times \frac{17}{13} \times \frac{31}{17}$	2.182	$\frac{19}{33} \times \frac{72}{19}$	3.640	$\frac{29}{19} \times \frac{17}{13} \times \frac{31}{17}$		

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

Number of teeth	4.111	4.375	4.625
	37/9	35/8	37/8

Make NISSAN Model KB(L)10 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, 9[illegible] 142, [illegible] 145, 146, 153, 156, 157, 160, 161, 162, 163, 164, 182, 184, 186, 187, 188, 189, 199, 201, 202, 203, 21[illegible] 213, 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 fo[illegible] 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, [illegible] 138, 139, 140, 141, 147, 148, 149, 150, 158, 159, 170, 171, 172, 173, 185, 200, 270, 271, 274, 275, 290, 291, 292 and pho[illegible] graphs A, B, D, E, F, G, H, J, K, and O.

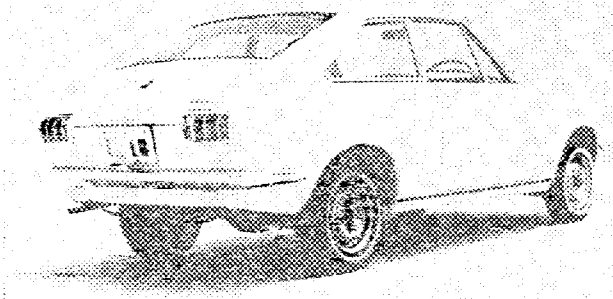
Optional equipement affecting preceeding information. This to be stated together with reference number.

292. Type of limited slip differential — Friction

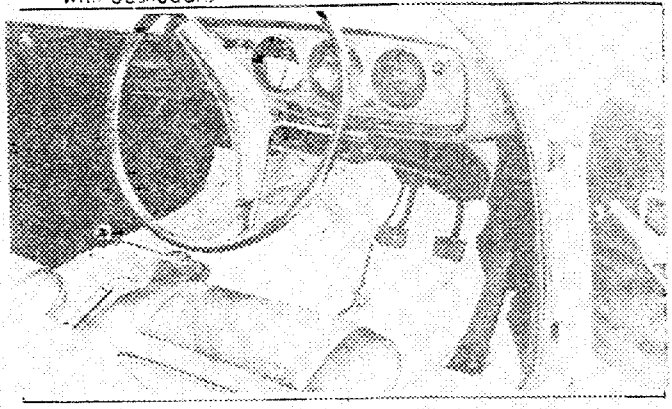
Make NISSAN Model KB(L)10 F. I. A. Reg. No.

Photograph

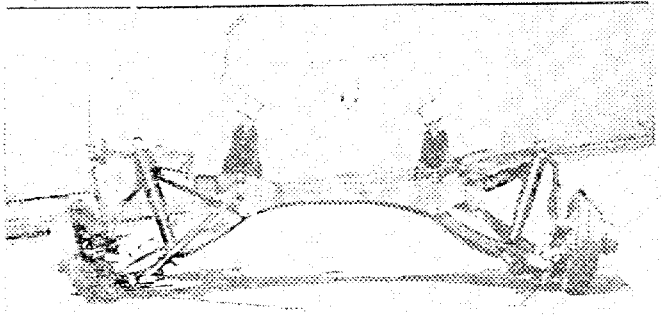
B, 3/4 view of car from rear



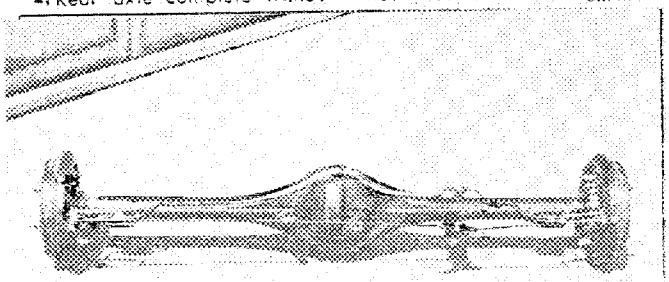
C, interior view of car through driver's door (open or removed) with dashboard



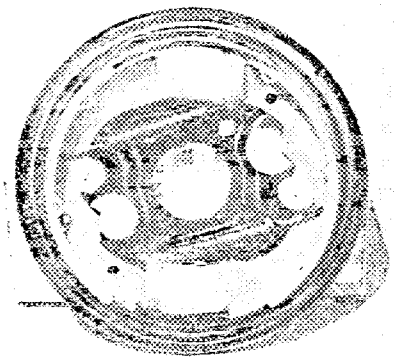
D, front axle complete, removed from car. Without wheels.



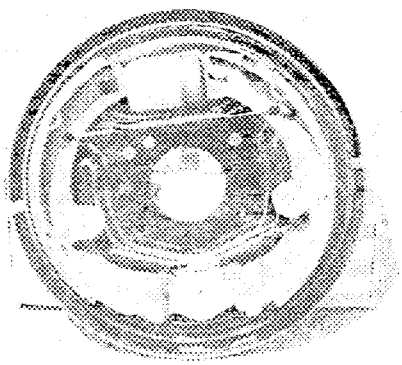
E, Rear axle complete without wheels, removed from car.



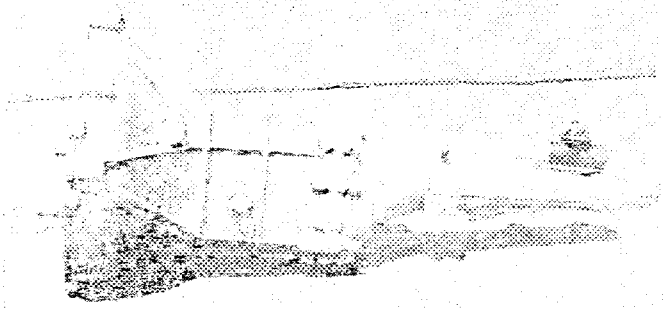
F, front brake, drum removed or disc with calipers)



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



H, gearbox, view from side

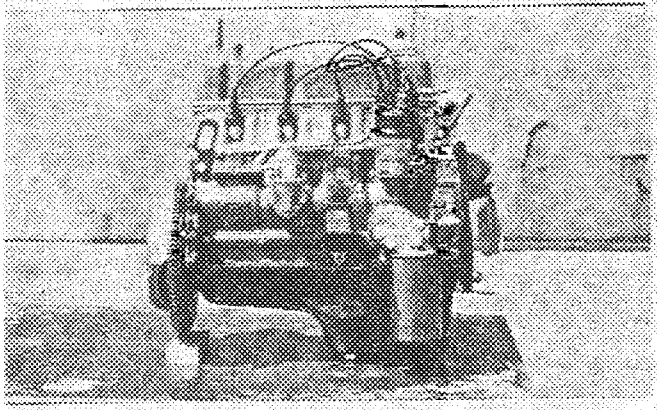


I, silencer + exhaust pipes after exhaust manifold.

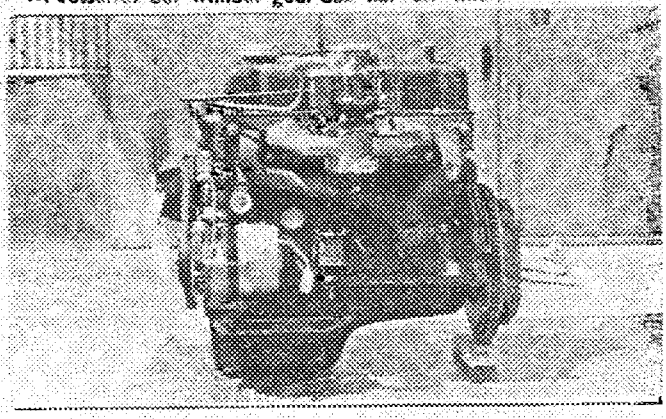
Make NISSAN Model KB(L)10 F.I.A. Rec. No

Photograph

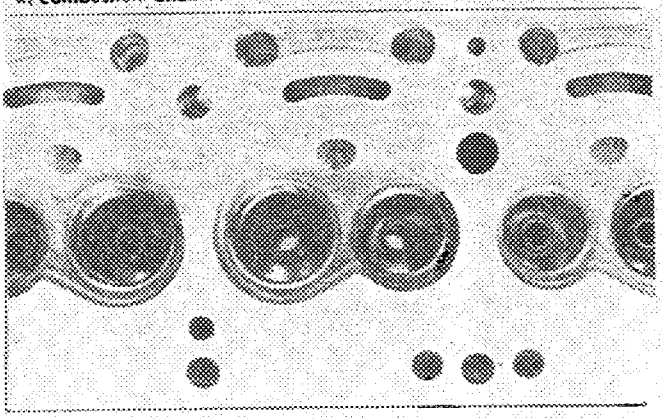
J, engine unit out of car, from right. With clutch and accessories but without air filter nor gear-box.



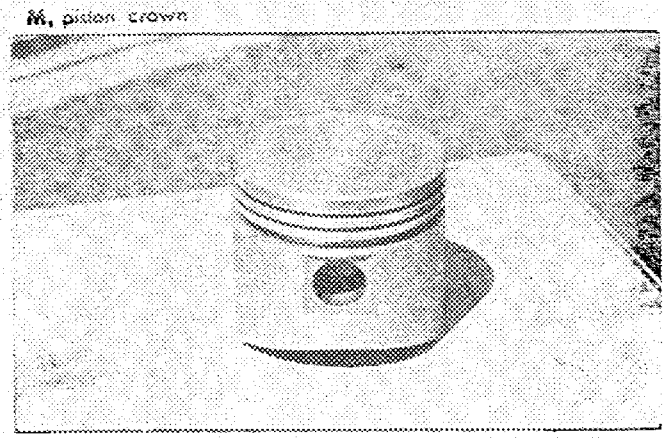
K, Engine unit out of car, from left. With clutch and accessories but without gear-box nor air filter.



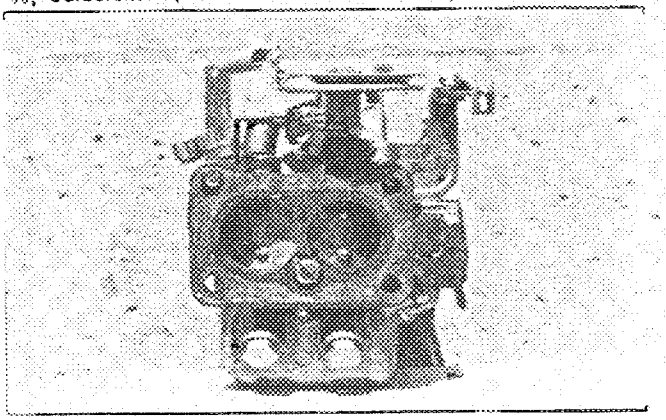
L, combustion chamber



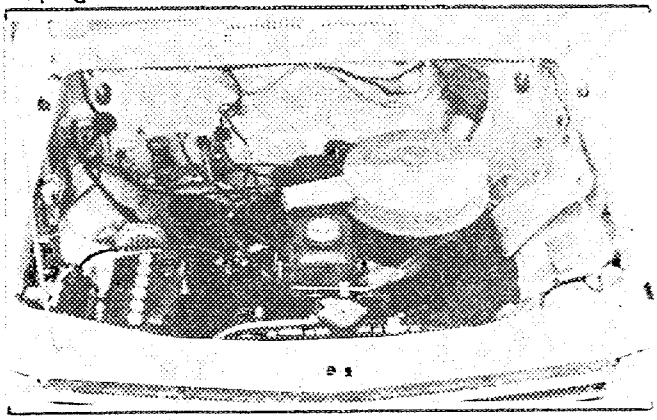
M, piston crown



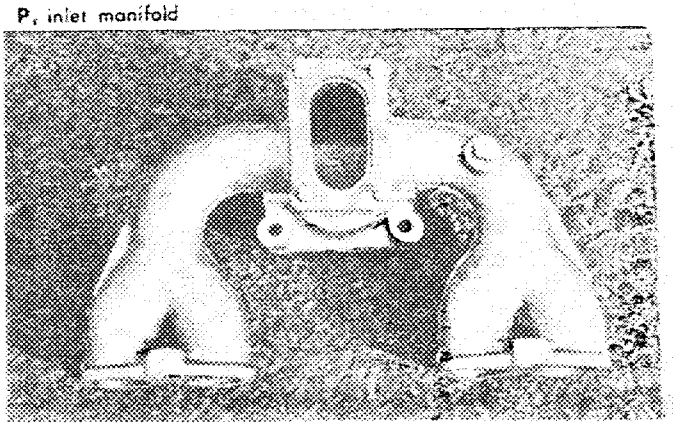
N, Carburettor (view from side of manifold)



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



P, inlet manifold



Q, exhaust manifold