E

# JAPAN AUTOMOBILE FEDERATION

F. I. A. Recognition No. 1497
Group 2 - Touring

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

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

Manufacturer HONDA MOTOR CO.,LTD.

Serial No of chassis N360-I000001
engine N360E-I000001

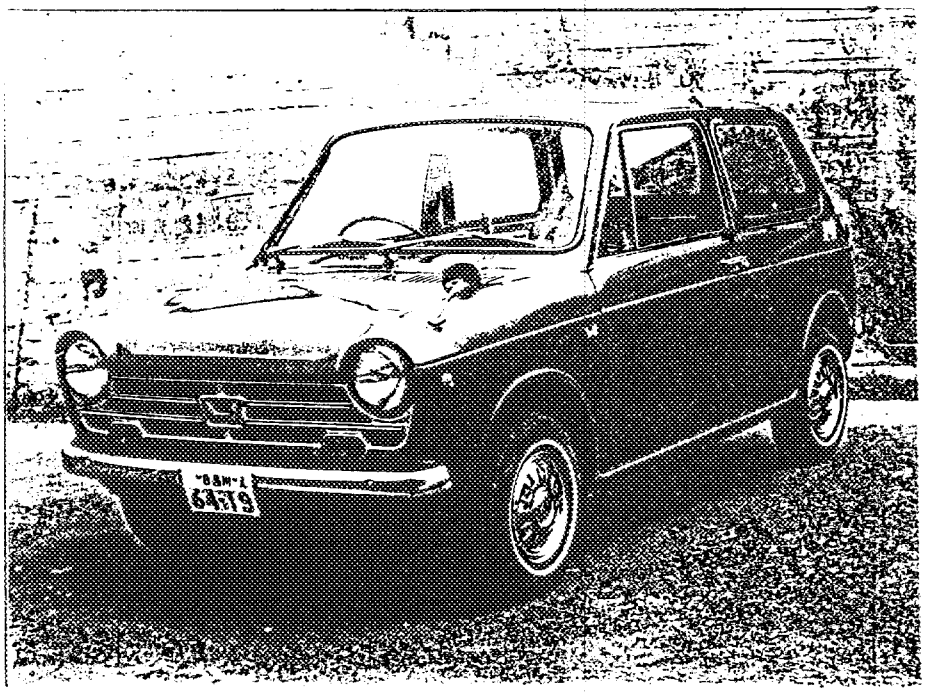
Recognition is valid from 1st Nov. 1967

Cylinder-capacity 354 cm3 21.6cu. in.

Model HONDA N360
Manufacturer HONDA MOTOR CO.,LTD.
Manufacturer HONDA MOTOR CO.,LTD.
List 1616

The manufacturing of the model described in this recognition form was started on October 1966 and the minimum production of 1000 identical cars, in accordance with the specifications of this form was reached on MARCH 1967

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 | 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

Stamp and signature of the National Sporting Authority

Stamp and signature of the F. I. A.

E

Make HONDA MOTOR CO., LTD. Model. HONDA N 360 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 | 2,000 | mm ± 10 | 78.74 | inches ± 0.39 | |
| 2. Front track | 1,125 | mm ± 5 | 44.29 | inches ± 0.19 | |
| 3. Rear track | 1,100 | mm ± 5 | 43.31 | inches ± 0.19 | |
| 4. Overall length of the car | | 299.5 cm ± 30 | | 117.91 inches | ± 1.17 |
| 5. Overall width of the car | | 129.5 cm ± 15 | | 50.98 inches | ± 0.58 |
| 6. Overall height of the car | | 134.5 cm ± 15 | | 52.95 inches | ± 0.58 |
| 7. Capacity of fuel tank (reserve included) | | | | 26 ltrs | |
| | 6.87 Gallon US | | 5.72 Gallon Imp. | | |
| 8. Seating capacity | 2 | | | | |

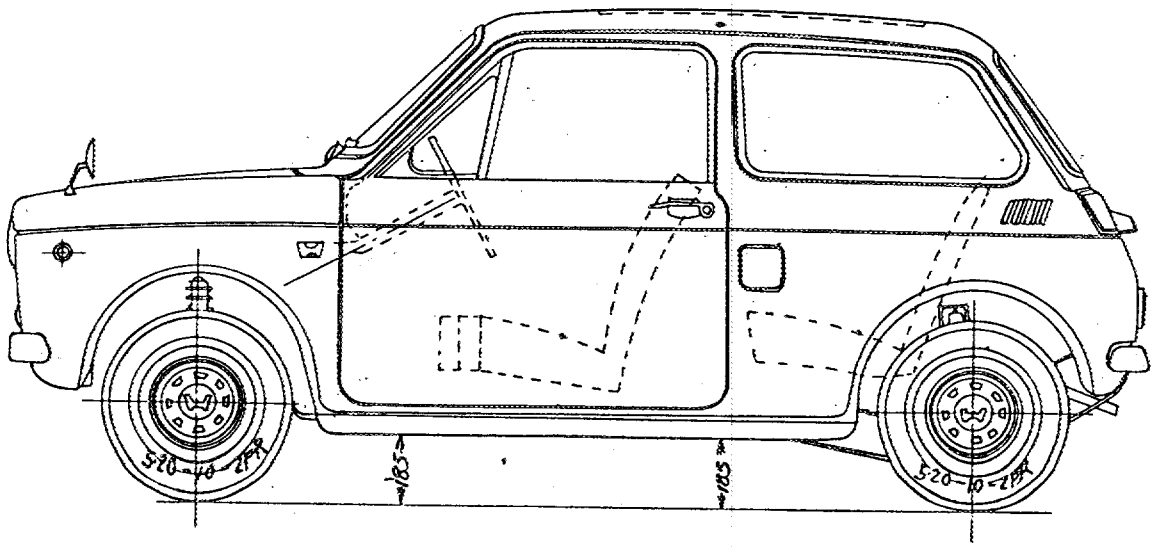
9. Weight, total weight of the car with normal equipment, water, oil and spare wheel but without fuel nor repair tools:

465 XXX kg 1,025 XXX lbs 9.15 XX 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 cm² | 1 gallon Imp. | 4.546 ltrs |
| 1 cubic inch / pouce cube | — 16.387 cm³ | 1 gallon US | 3.785 ltrs |
| 1 pound / livre (lb) | — 453.593 gr. | 1 hundred weight (cwt) | — 50.802 kg |

Make HONDA MOTOR CO.,LTD. Model HONDA N360 F.I.A. Rec. No.

**CHASSIS AND COACHWORK** (Photographs A, B and C)

20. Chassis / body construction : ~~separate~~ / unitary construction
21. Unitary construction, material (s)
Separate construction — Steel
22. Separate Constructions: Material(s) of chassis — Plastics
23. Material (s) of coachwork — Steel
24. Number of doors 2 Material (s) — Steel
25. Material (s) of bonnet — Steel
26. Material (s) of boot lid — Plastics
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 : 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 :
17.4 kg 38.36 lbs
43. Rear seats, type of seats and upholstery — Bench type
44. Front bumper, material (s) — Steel — Weight 1.71 kg 3.77 lbs
45. Rear bumper, material (s) — Steel — Weight 1.72 kg 3.80 lbs

**WHEELS**

50. Type — Pressed steel
51. Weight (per wheel, without tyre) 2.20 kg 4.86 lbs
52. Method of attachment — 4 Hub-Bolts and Nuts
53. Rim diameter 253.2 mm 10 inches
54. Rim width 89.0 mm 3.5 inches

**STEERING**

60. Type — Rack and Pinion
61. Servo-assistance : ~~yes~~ - no
62. Number of turns of steering wheel from lock to lock 3.1
63. In case of servo-assistance ———

Make HONDA MOTOR CO.,LTD. Model HONDA N360 F.I.A. Rec. No

**SUSPENSION**

| | | | | |
|---|---|---|---|---|
| 70. Front suspension (photogr. D), type | | | Independent, | |
| 71. Type of spring | | | Coil spring | |
| 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-springs | |
| 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 | | | I | |

| | FRONT | | REAR | |
|---|---|---|---|---|
| 93. Number of cylinders per wheel | I | | I | |
| 94. Bore of wheel cylinder (s) | 25.4 mm | I.0 in. | I4.29 mm | 0.563 in. |
| **Drum brakes** | | | | |
| 95. Inside diameter | I80 mm | 7.08 in. | I80 mm | 7.08 in. |
| 96. Length of brake linings | I59 mm | 6.26 in. | I59 mm | 6.26 in. |
| 97. Width of brake linings | 35 mm | I.38 in. | 35 mm | I.38 in. |
| 98. Number of shoes per brake | 2 | | 2 | |
| 99. Total area per brake | I2.I50 mm² | I8.8 sq. in. | I2.I50 mm² | I8.8 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 | mm² | sq. in. | mm² | sq. in |

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Make HONDA MOTOR CO., LTD. Model HONDA N360 F.I.A. Rec. No.

**ENGINE** (photographs J and K)

130. Cycle 4

131. Number of cylinders 2

132. Cylinder arrangement In line

133. Bore 62.5 mm $\pm$ 0.01 / 0 in.

134. Stroke 57.8 mm $\pm$ 0.04 2.28 in.

135. Capacity per cylinder 177.3 cm³ 10.82 cu. in.

136. Total cylinder-capacity 354 cm³ 21.64 cu. in.

137. Material (s) of cylinder block Aluminium Alloy

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

139. Cylinder-head, material (s) Aluminium Alloy Number fitted I

140. Number of inlet ports I

141. Number of exhaust ports 2

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 : ~~moulded~~ / stamped

148. Type of crankshaft : integral / Single plane assembled

149. Number of crankshaft main bearings : 4

150. Material of bearing cap Steel

151. System of lubrication : ~~dry-sump~~ / oil in sump

152. Capacity, lubricant 3 ltrs pts 3.17 quarts US

153. Oil cooler : yes / no

154. Method of engine cooling Air

155. Capacity of cooling system ltrs pints quarts US

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

157. Number of blades of cooling fan

**Bearings**

158. Crankshaft main, type Needle roller Dia. 28 mm $\pm$ 0 / 0.01 I.IO in.

159. Connecting rod big end, Needle roller Dia. 30 mm $\pm$ 0 / 0.01 I.I8 in.

**Weights**

160. Flywheel (clean) kg lbs

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

162. Crankshaft kg lbs 163. Connecting rod kg lbs

164. Piston with rings and pin kg lbs

Make HONDA MOTOR CO., LTD. Model HONDA N360 F. I. A. Rec. No.

**FOUR STROKE ENGINES**

170. Number of camshafts I 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 Aluminium alloy

181. Diameter of valves 34 mm ± 0.15 I.34 inches

182. Max. valve lift mm in. 183. Number of valve springs 2

184. Type of spring 185. Numbdr of valves per cylinder I

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

187. Valves open at (with tolerance for tappet clearance indicated)

188. Valves close at (with tolernce for tappet clearance indicated)

189. Air filter, type

**EXHAUST** (see page 8)

195. Material (s) of exhaust manifold Steel pipe

196. Diameter of valves 30 mm I.I8 inches

197. Max. valve lift mm in. 198. Number of valve springs 2

199. Type of spring 200. Number of valves per cylinder I

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 carburettors fitted I 211. Type Side draft

212. Make 213. Model

214. Number of mixture passages per caburettor I

215. Flange hold diameter of exit port(s) of carburetteor mm in.

216. Minimum dimensions of mixture posage(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. Locafion 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 HONDA MOTOR CO.,LTD. Model HONDA N360 F. I. A. Rec. No.

**ENGINE ACCESSORIES**

230. Fuel pump : mechanical and / or electric

231. No. fitted I

232. Type of ignition system

233. No. of distributors I

234. No. of ignition coils I

235. No. of spark plugs per cylinder I

236. Generator, ~~type: dynamo/alternator~~ -number fitted I

237. Method of drive Direct

238. Voltage of generator 12 volts

239. Battery, number I

240. Location engine room

241. Voltage of battery 12 volts

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

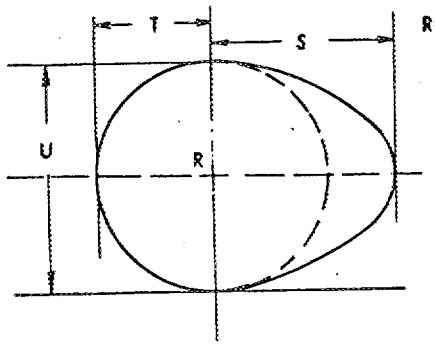
250. Max. engine output (type of horsepower: ) at rpm

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

E

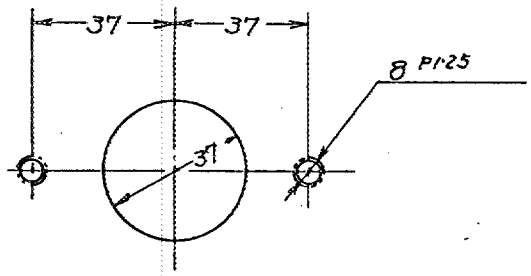
Make

Model

F. I. A. Rec. No

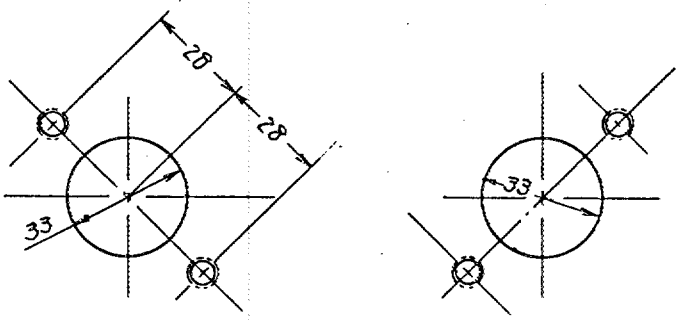
Drawing inlet manifold ports, side of cylinder-head. Indicate scale or dimensions and manufacturing tolerance.

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.




unit : mm
tolerance : ±1.5

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Make HONDA MOTOR CO., LTD. Model HONDA N360 F.I.A. Rec. No.

**DRIVE TRAIN**

**CLUTCH**

260. Type of clutch Dry single plate 261. No. of plates I

262. Dia. of clutch plates I6.5 cm 6.496 inches

263. Dia. of linings, inside II.0 cm 4.33 in. outside I6.5 cm 6.496 in.

264. Method of operating clutch Mechanical

**GEAR BOX** (photograph H)

270. Manual type, make Manual, HONDA Method of operation Mechanical

271. No. of gear-box ratios forward 4 272. Synchronized forward ratios

273. Location of gear-shift Dash-board

274. Automatic, make type

275. No. of forward ratios 276. Location of gear-shift

| 277. | Manual Ratio | Manual No. teeth | Automatic Ratio | Automatic No. teeth | Alternative manual/~~automatic~~ Ratio | Alternative manual/~~automatic~~ No. teeth | Alternative manual/~~automatic~~ Ratio | Alternative manual/~~automatic~~ No. teeth |
|---|---|---|---|---|---|---|---|---|
| 1 | 7.I2 | 45/I6 · 43/I7 | | | 6.88 | 45/16 · 44/18 | | |
| 2 | 4.40 | 45/I6 · 36/23 | | | 4.04 | 45/16 · 33/23 | | |
| 3 | 2.8I | 45/I6 · 30/30 | | | 3.38 | 45/16 · 30/25 | | |
| 4 | I.82 | 45/I6 · 24/37 | | | 2.81 | 45/16 · 29/29 | | |
| 5 | | | | | | | | |
| 6 | | | | | | | | |
| reverse | 6.84 | 45/16 · 39/16 | | | 6.84 | 45/16 · 39/16 | | |

278. Overdrive, type -

279. Forward gears on which overdrive can be selected

280. Overdrive ratio

**FINAL DRIVE**

290. Type of final drive Helical gear

291. Type of differential Bevel gear

292. Type of limited slip differential (if fitted)

293. Final drive ratio 3.54

Number of teeth 85/24

Make HONDA MOTOR CO.,LTD. Model HONDA N360 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 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, 13 138, 139, 140, 141, 147, 148, 149, 150, 158, 159, 170, 171, 172, 173, 185, 200, 270, 271, 274, 275, 290, 291, 292 and ph graphs A, B, D, E, F, G, H, J, K, and O.

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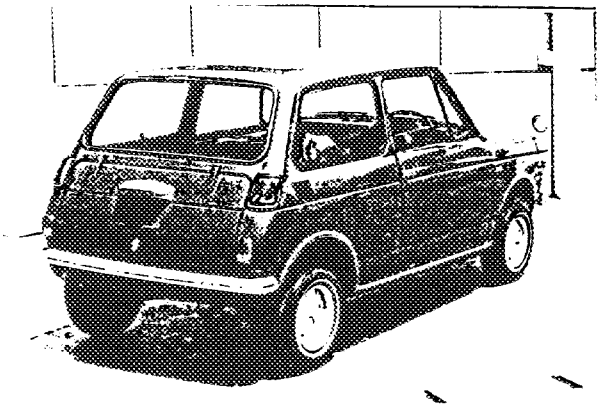
Optional equipement affecting preceeding information. This to be stated together with reference number.

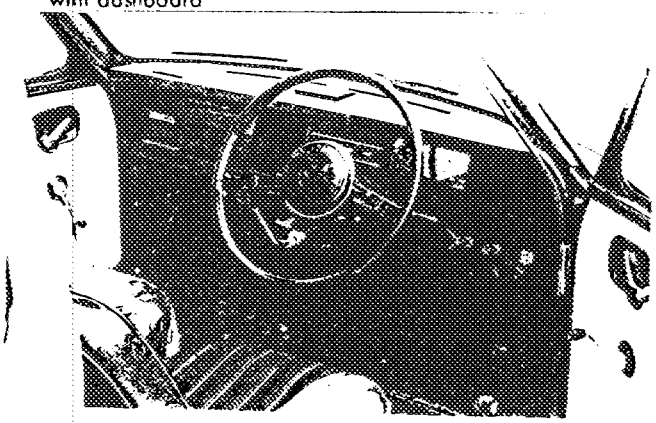
Make HONDA MOTOR CO., LTD. Model HONDA N360 F.I.A. Rec. No.

**Photograph**

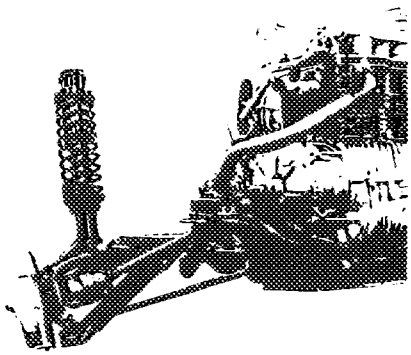
B, 3/4 view of car from rear



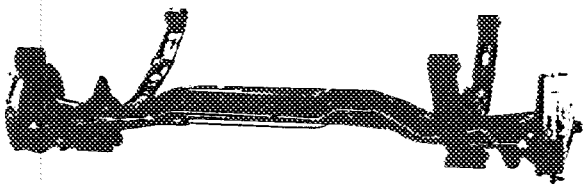
C, interior view of car through driver's door (open or removed) with dashboard



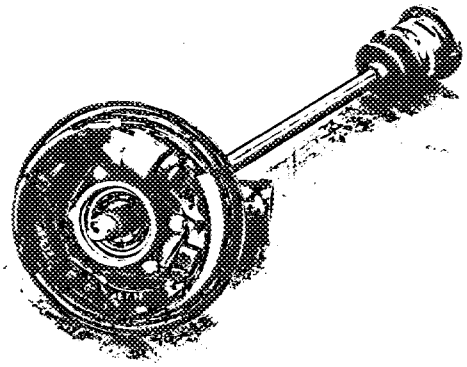
D, front axle complete, removed from car. Without wheels.



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

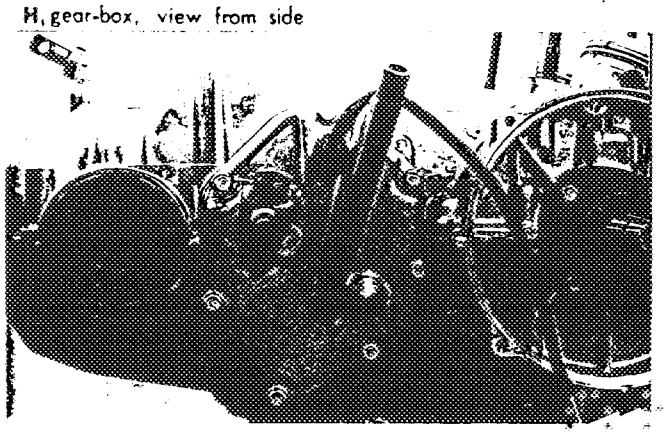


F, front brake, drum removed or disc with caliper(s)



G, rear brake, drum removed or disc with caliper(s)

H, gear-box, view from side



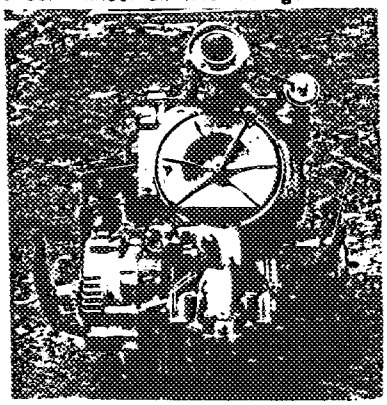
I, silencer + exhaust pipes after exhaust manifold.

E

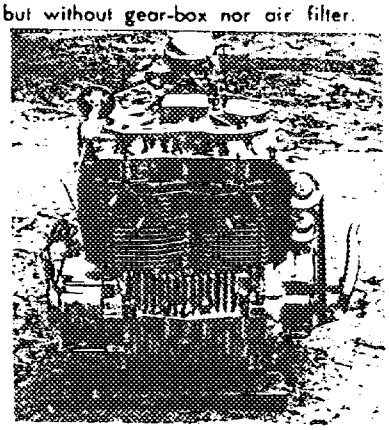
Make HONDA MOTOR CO., LTD. Model HONDA N360 F.I.A. Rec. No

**Photograph**

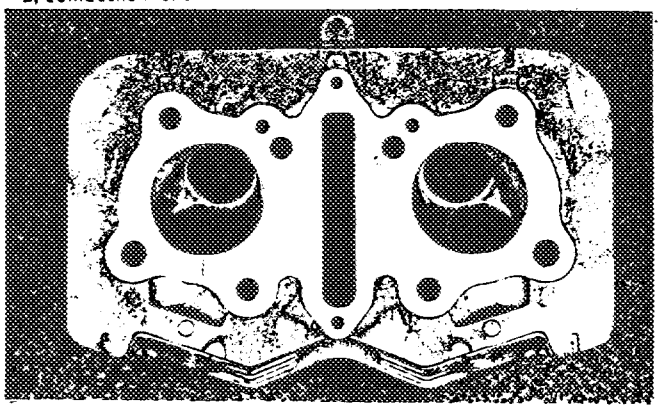
J, engine unit out of car, from right. With clutch and accessories but without air filter nor gear-box.



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



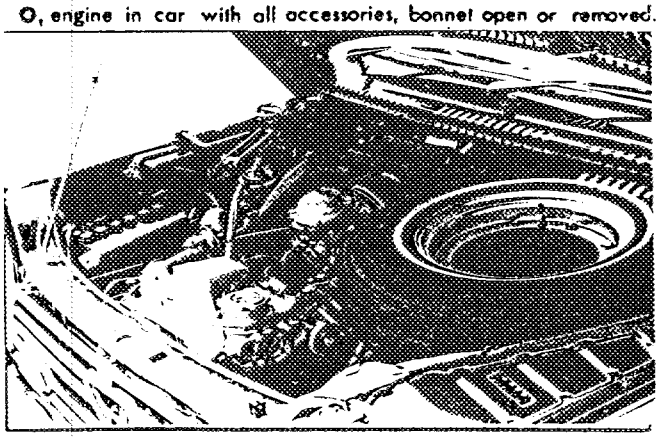
L, combustion chamber



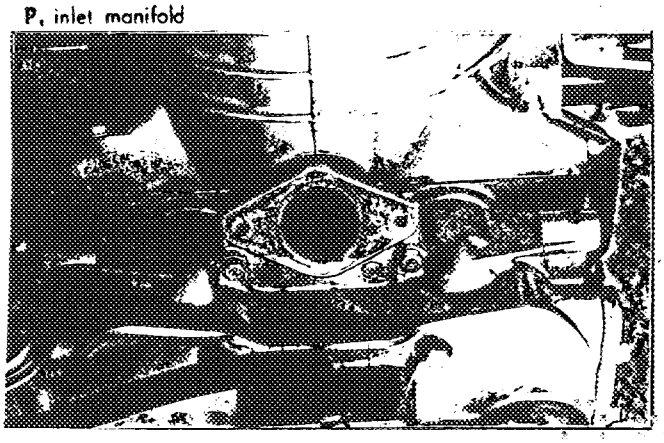
M, piston crown

N, Carburettor (view from side of manifold)

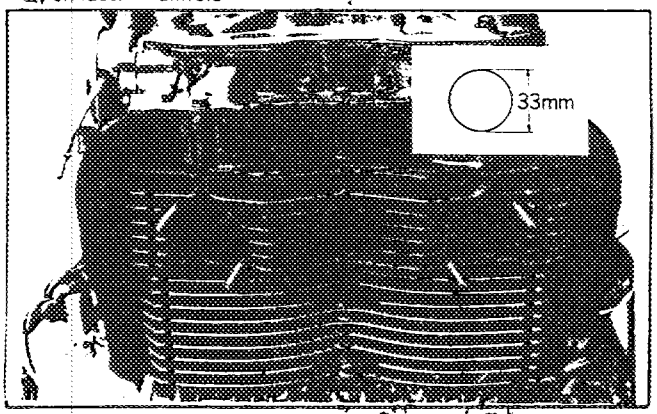
O, engine in car with all accessories, bonnet open or removed.



P, inlet manifold



Q, exhaust manifold

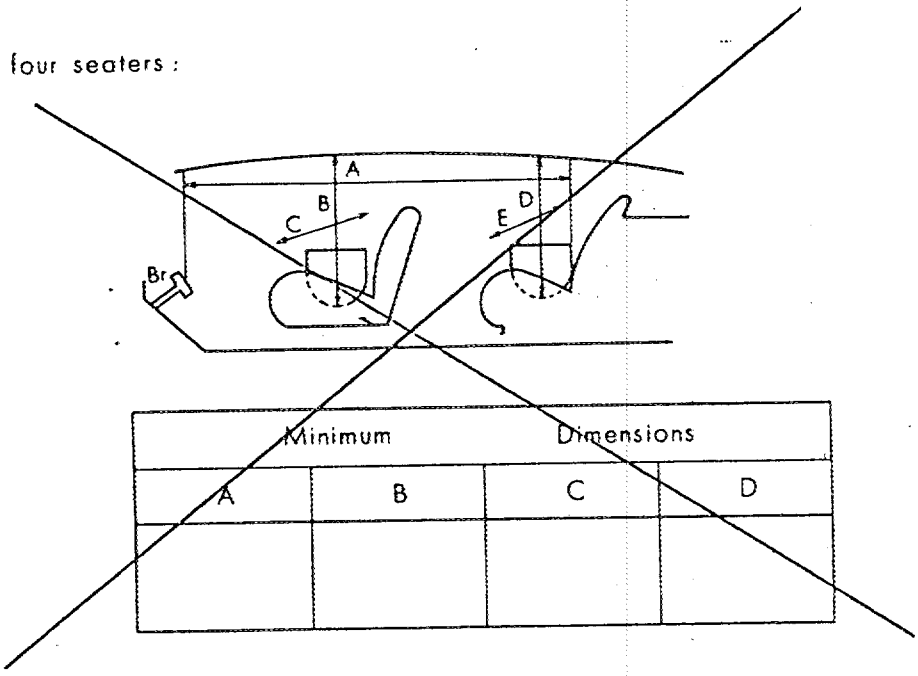


E

# DIMENSIONS OF INTERIOR

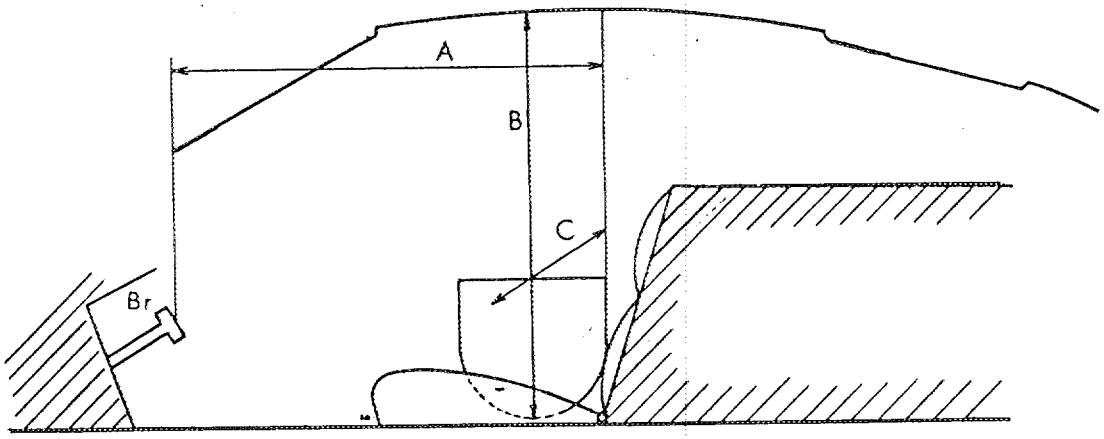
(Conform to Art. 253 b of Appendix J1

For four seaters :




| Minimum Dimensions | | | |
|---|---|---|---|
| A | B | C | D |
| | | | |

For two seaters :




| Minimum Dimensions m.m. | | |
|---|---|---|
| A | B | C |
| ~~XXX~~ | 930 | 1130 |