



# JAPAN AUTOMOBILE FEDERATION

F. I. A. Recognition No.

5179  
1497

Group

2-Touring

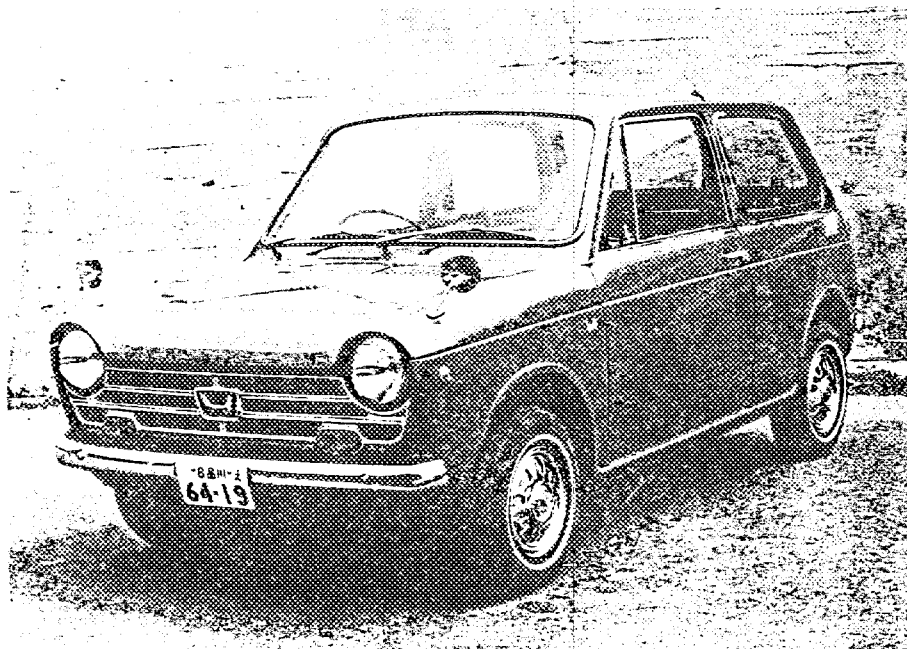
FEDERATION INTERNATIONALE DE L'AUTOMOBILE

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

Manufacturer	HONDA MOTOR CO., LTD.	Cylinder-capacity	354 cm <sup>3</sup>	21.6 cu. in.
Serial No of chassis	N360-1000001	Model	HONDA N360	
Serial No of engine	N360E-1000001	Manufacturer	HONDA MOTOR CO., LTD.	
Recognition is valid from	1st Nov. 1967	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

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.

*Handwritten signature and circular stamp of the F.I.A.*

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

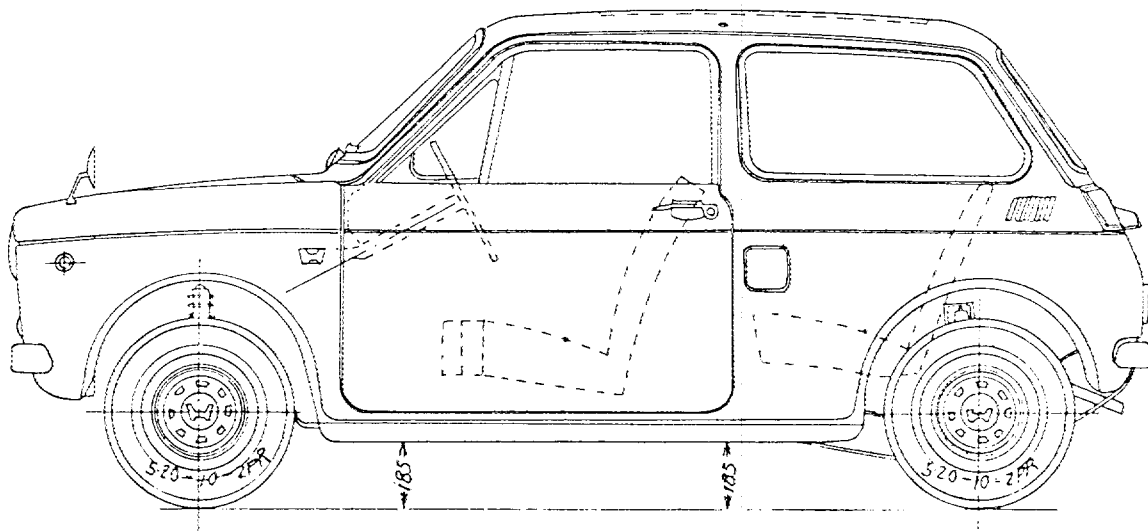
**CAPACITIES AND DIMENSIONS**

1. <u>Wheelbase</u>	2,000	mm $\pm$ 10	78.74	inches $\pm$ 0.39
2. <u>Front track</u>	1,125	mm $\pm$ 5	44.29	inches $\pm$ 0.19
3. <u>Rear track</u>	1,100	mm $\pm$ 5	43.31	inches $\pm$ 0.19
4. Overall length of the car		299.5	cm $\pm$ 30	117.91 inches $\pm$ 1.17
5. Overall width of the car		129.5	cm $\pm$ 15	50.98 inches $\pm$ 0.58
6. Overall height of the car		134.5	cm $\pm$ 15	52.95 inches $\pm$ 0.58
7. <u>Capacity of fuel tank</u> (reserve included)				26 ltrs
	6.87	Gallon US	5.72	Gallon Imp.
8. Seating capacity	2			
9. <u>Weight</u> , total weight of the car with normal equipment, water, oil and spare wheel but without fuel nor repair tools:				
	465 <del>xxx</del>	kg	1,025 <del>xxxx</del>	lbs
			9.15 <del>xxx</del>	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.

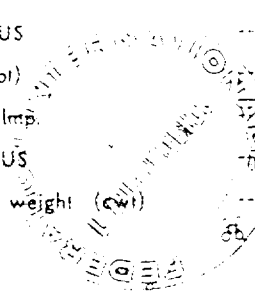
Specify ground clearance in relation to the track and give drawing of two fixed points of the vehicle's structure at which measurements are taken.

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



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 Material (s) 2 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 1.0 in.** **14.29 mm 0.563 in.**

**Drum brakes**

95. Inside diameter **180 mm 7.08 in.** **180 mm 7.08 in.**

96. Length of brake linings **159 mm 6.26 in.** **159 mm 6.26 in.**

97. Width of brake linings **35 mm 1.38 in.** **35 mm 1.38 in.**

98. Number of shoes per brake **2** **2**

99. Total area per brake **12.150mm<sup>2</sup> 18.8 sq. in.** **12.150mm<sup>2</sup> 18.8 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 **mm<sup>2</sup> sq. in.** **mm<sup>2</sup> sq. in.**



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 cm<sup>3</sup> 10.82 cu. in.
- 136. Total cylinder-capacity 354 cm<sup>3</sup> 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 cm<sup>3</sup> 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 ~~cast~~ / 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  $\pm 0.01$  I. I.Q.
- 159. Connecting rod big end. Needle roller Dia. 30 mm  $\pm 0.01$  I. I.Q.

Weights

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



**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  $\pm$  **0.15** **1.34** inches  
 182. Max. valve lift mm in. 183. Number of valve springs **2**  
 184. Type of spring 185. Number 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 tolerance 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 **1.18** 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 carburetors fitted **I** 211. Type **Side draft**  
 212. Make 213. Model  
 214. Number of mixture passages per carburetor **I**  
 215. Flange hole diameter of exit port(s) of carburetor mm in.  
 216. Minimum dimensions of mixture passage(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 HONDA MOTOR CO., LTD.

Model HONDA N360

F. I. A. Rec. No

ENGINE ACCESSORIES

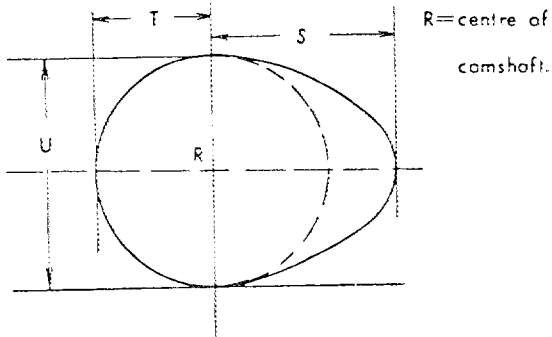
- 230. Fuel pump : mechanical and / or electric
- 232. Type of ignition system
- 234. No of ignition coils I
- 236. Generator, ~~type: dynamo/alternator~~ -number fitted 1
- 238. Voltage of generator I2 volts
- 240. Location engine room
- 241. Voltage of battery I2 volts

- 231. No. fitted I
- 233. No of distributors I
- 235. No. of spark plugs per cylinder I
- 237. Method of drive Direct
- 239. Battery, number I

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.

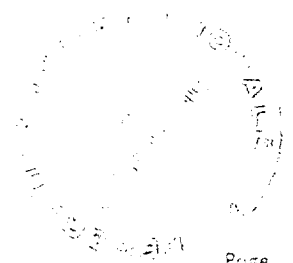


Inlet cam

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

Exhaust cam

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



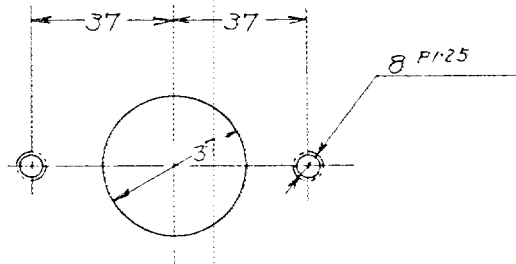
Make

Model

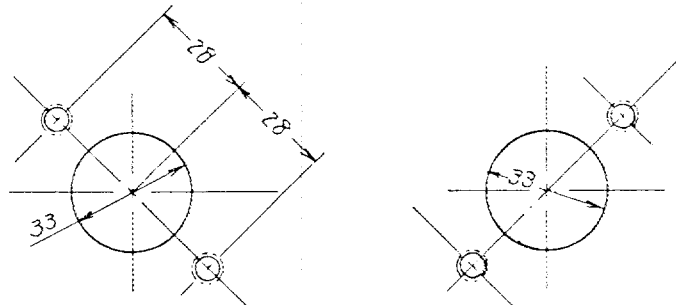
E. I. A. Rec. No.

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.

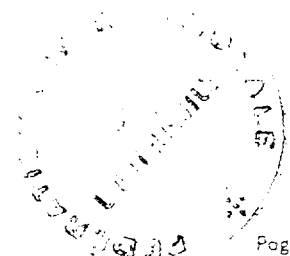


Drawing exhaust manifold ports, side of cylinder-head. Indicate scale or dimensions and manufacturing tolerance.



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

unit : mm  
tolerance :  $\pm 1.5$





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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 **16.5** cm **6.496** inches

263. Dia. of linings, inside **11.0** cm **4.33** in. outside **16.5** 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		Automatic		Alternative manual/ <del>Automatic</del>			
	Ratio	No. teeth	Ratio	No. teeth	Ratio	No. teeth	Ratio	No. teeth
1	7.12	$\frac{45}{16} \cdot \frac{43}{17}$			6.88	$\frac{45}{16} \cdot \frac{44}{18}$		
2	4.40	$\frac{45}{16} \cdot \frac{36}{23}$			4.04	$\frac{45}{16} \cdot \frac{33}{23}$		
3	2.81	$\frac{45}{16} \cdot \frac{30}{30}$			3.38	$\frac{45}{16} \cdot \frac{30}{25}$		
4	1.82	$\frac{45}{16} \cdot \frac{24}{37}$			2.81	$\frac{45}{16} \cdot \frac{29}{29}$		
5								
6								
reverse	6.84	$\frac{45}{16} \cdot \frac{39}{16}$			6.84	$\frac{45}{16} \cdot \frac{39}{16}$		

278. Overdrive, type

279. Forward gears on which overdrive can be selected

280. Overdrive ratio

**FINAL DRIVE**

290. Type of final drive **Helical gear**

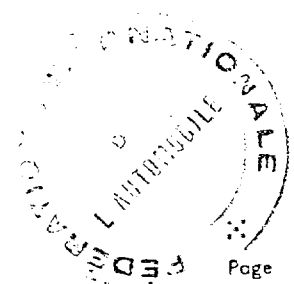
291. Type of differential **Bevel gear**

292. Type of limited slip differential (if fitted)

293. Final drive ratio **3.54**

Number of teeth

$\frac{85}{24}$



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 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.



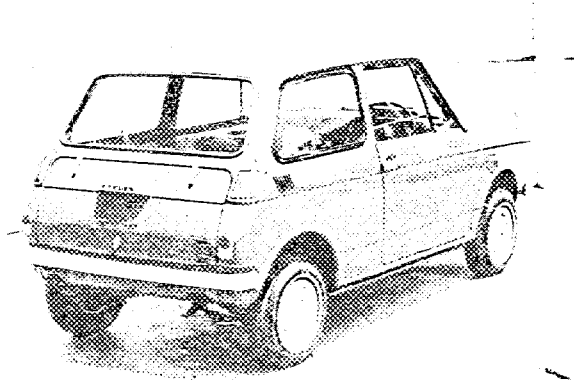
Make HONDA MOTOR CO., LTD.

Model HONDA N360

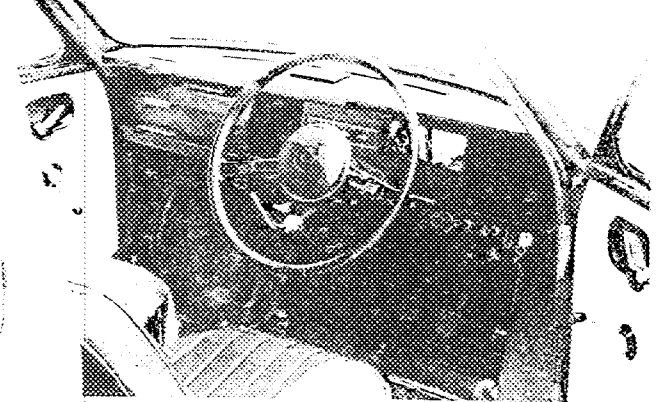
F.I.A. Rec. No

Photograph

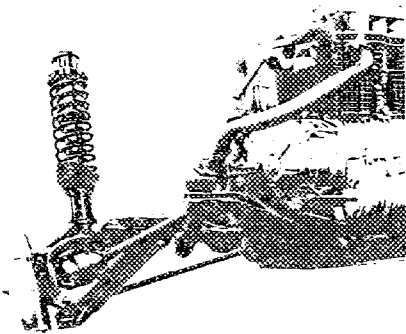
B, 3/4 view of car from rear



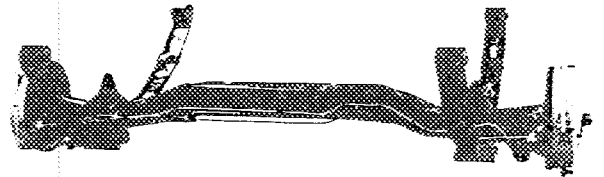
C, interior view of car through driver's door (open or removed) with dashboard



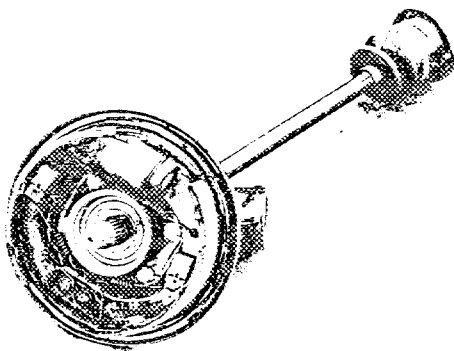
D, front axle complete, removed from car. Without wheels.



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



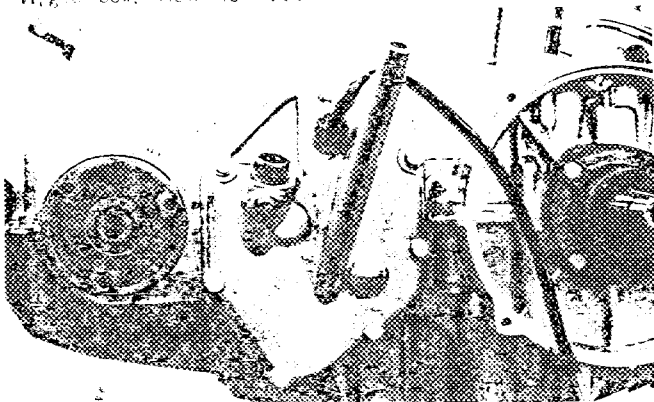
F, front brake, drum removed or disc with calipers!



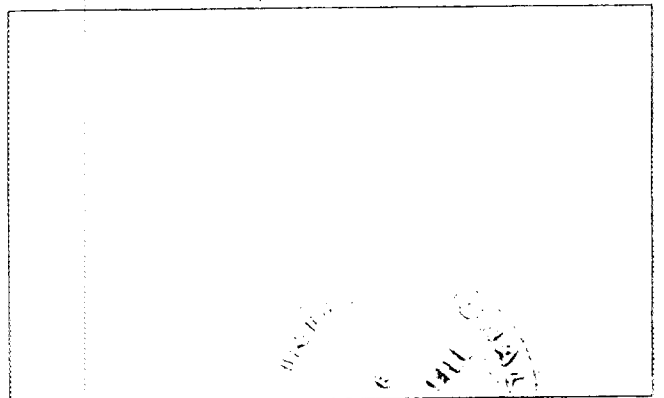
G, rear brake, drum removed or disc with calipers!



H, gear-box, view from side



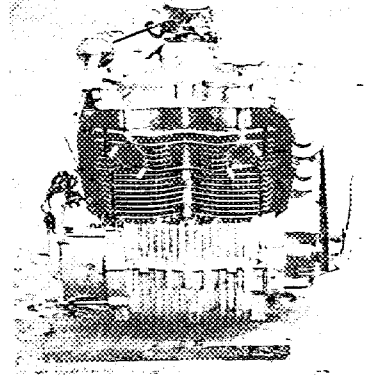
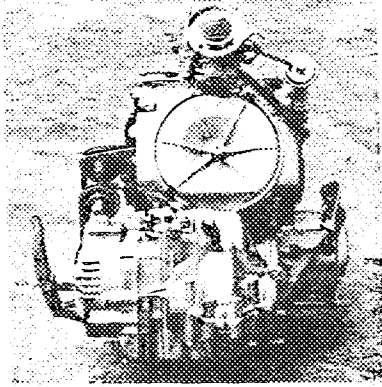
I, silencer + exhaust pipes after exhaust manifold.



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LABORATORY  
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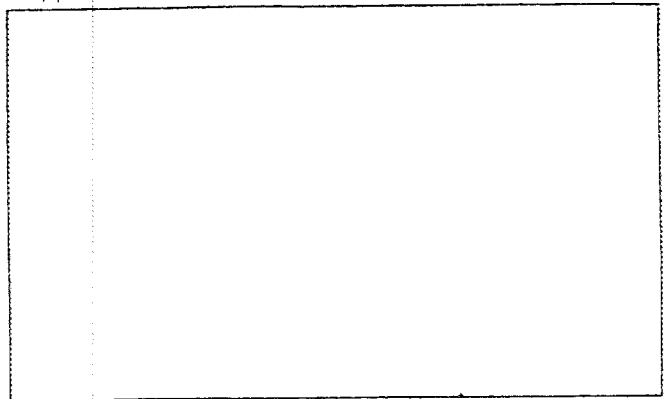
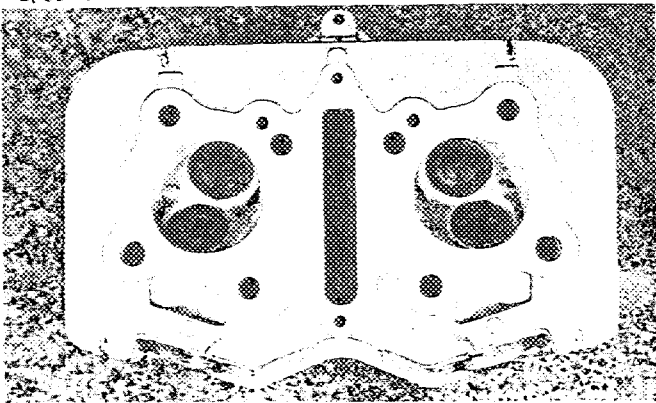
Make HONDA MOTOR CO., LTD.  
 engine unit out of car, from right. With clutch and  
 accessories but without air filter nor gear-box.

Model HONDA N360 F.I.A. Rec. No.  
 Photograph Engine unit out of car, from left. With clutch and ac-  
 cessories but without gear-box nor air filter



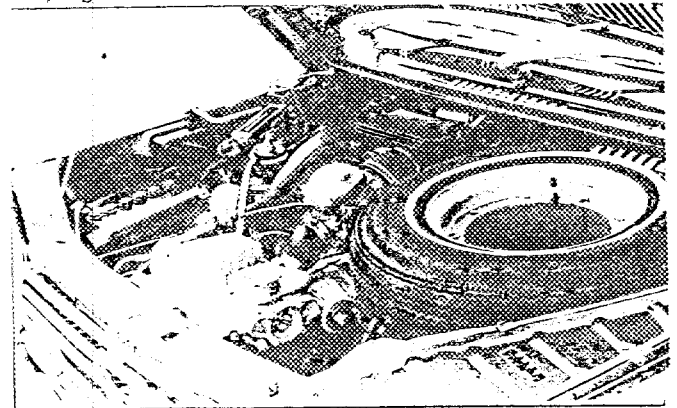
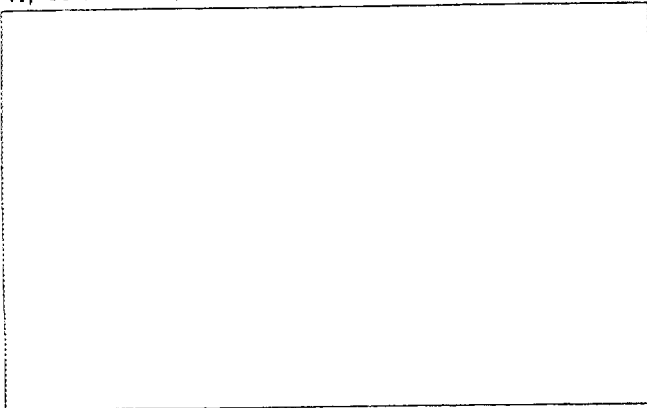
L, combustion chamber

M, piston crown



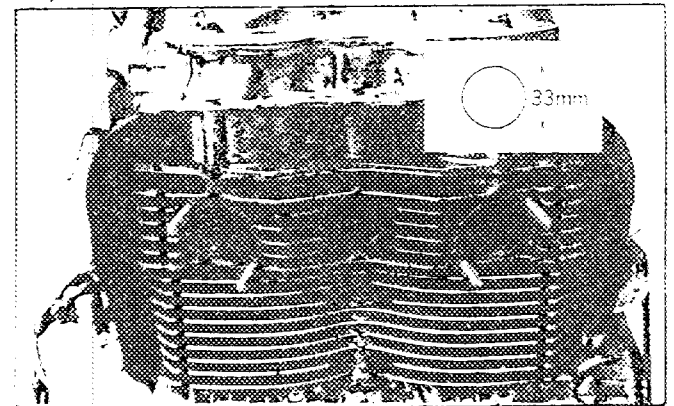
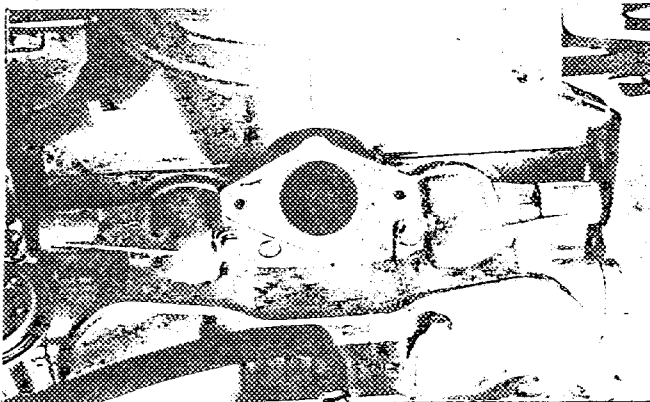
N, Carburettor (view from side of manifold)

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



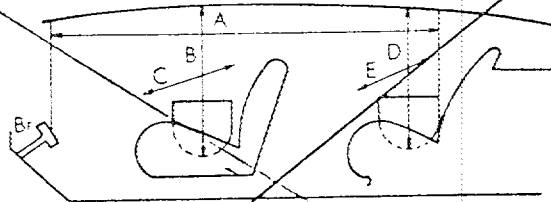
P, inlet manifold

Q, exhaust manifold



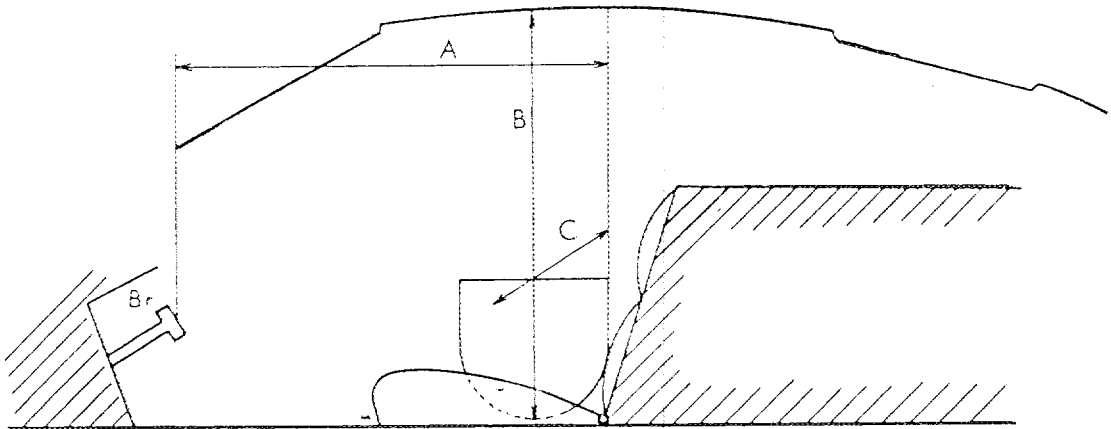
DIMENSIONS OF INTERIOR  
 (Conform to Art. 253 b of Appendix J)

For four seaters :



Minimum		Dimensions	
A	B	C	D

For two seaters :



Minimum		Dimensions	<i>m. m.</i>
A	B	C	
<del>750</del>	930	1130	



Make HONDA MOTOR CO., LTD.

Model HONDA N360

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	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. <u>Drawing of cylinder ports.</u>				

330. Supercharging—state full details hereafter :

JAPAN AUTOMOBILE FEDERATION



Kazunari Komotori

