



JAPAN AUTOMOBILE FEDERATION

F. I. A. Recognition No.

Group

5157
~~1077~~
1 - Series Production
Touring

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

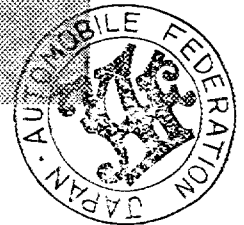
Form of recognition in accordance with
Appendix J to the International Sporting Code.

Manufacturer: **Toyota Motor Co., Ltd.** Cylinder-capacity **1077** cm³ **65.7** cu. in.
 Serial No of chassis: **KE10-100001** Model: **KE10 - Corolla**
 engine: **K-100001** Manufacturer: **Toyota Motor Co., Ltd.**
 Recognition is valid from: *1st July 1967* Manufacturer: **Toyota Motor Co., Ltd.**
 List: *16/4*
 The manufacturing of the model described in this recognition form was started on **August 1966** and the minimum production of
5000 identical cars. in accordance with the specifications of this form was reached on **November 1966**

Photograph A. 3/4 view of car from front



東京都港区芝公園三丁目一番五
 社団法人 日本自動車連盟
 機械振興会館内



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.

Hubert Sch...



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

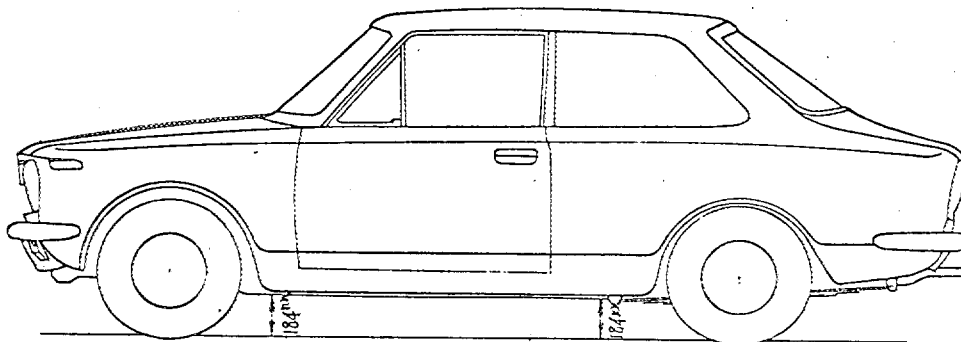
CAPACITIES AND DIMENSIONS

1. <u>Wheelbase</u>	2285	mm	90.0	inches
2. <u>Front track</u>	1230	mm	48.4	inches *
3. <u>Rear track</u>	1220	mm	48.0	inches *
4. Overall length of the car	384.5	cm		inches
5. Overall width of the car	148.0	cm		inches
6. Overall height of the car	138.0	cm		inches
7. <u>Capacity of fuel tank</u> (reserve included)			36	ltrs
	9.5	Gallon US		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:				
	675	kg	1490	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.

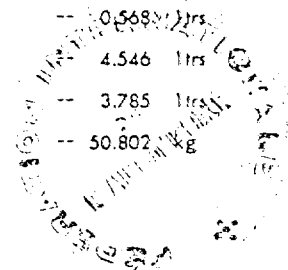
Specify ground clearance in relation to the track and give drawing of two fixed points of the vehicle's structure at which measurements are taken.

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)	-- 0.5682 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



(4)

CHASSIS AND COACHWORK (Photographs A, B and C)

- 20. Chassis/body construction : ~~XXXXX~~/unitary construction
- 21. Unitary construction, material (s) **Sheet Steel**
Separate construction
- 22. Separate Constructions: Material(s) of chassis
- 23. Material (s) of coachwork
- 24. Number of doors **2** Material (s) **Sheet Steel**
- 25. Material (s) of bonnet **Sheet Steel**
- 26. Material (s) of boot lid **Sheet 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 : ~~XXXX~~ - no
- 39. Air-conditioning : ~~XXXX~~ - no
- 40. Ventilation : yes - ~~XXX~~
- 41. Front seats, type of seats and upholstery **Separate, Vinyl Leather**
- 42. Weight of front seat (s), complete with supports and rails, out of the car :
10.7 (per piece) kg lbs
- 43. Rear seats, type of seats and upholstery **Bench, Vinyl Leather**
- 44. Front bumper, material (s) **Steel Plate** Weight **2.3 kg lbs**
- 45. Rear bumper, material (s) **Steel Plate** Weight **3.3 kg lbs**

WHEELS

- J. Type **Pressed Steel**
- 51. Weight (per wheel, without tyre) **5.0 kg lbs**
- 52. Method of attachment **Four Hub Bolts and Nuts**
- 53. Rim diameter **305 mm 12 inches**
- 54. Rim width **102 mm 4 inches**

STEERING

- 60. Type **Worm & Sector Roller**
- 61. Servo-assistance : ~~XXXX~~ - no
- 62. Number of turns of steering wheel from lock to lock **3**
- 63. In case of servo-assistance



SUSPENSION

- 70. Front suspension (photogr. D), type Macpherson Independent
- 71. Type of spring Coil Spring and Transverse Leaf Spring
- 72. Stabiliser (if fitted) -
- 73. Number of shockabsorbers 2 74. Type Hydraulic Telescopic
- 78. Rear suspension (photogr. E), type Hotchkiss Drive
- 79. Type of spring Semi-elliptic 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)	mm	3/4 in.	mm	11/16 in.
Drum brakes				
95. Inside diameter	200	mm in.	200	mm in.
96. Length of brake linings	192	mm in.	192	mm in.
97. Width of brake linings	35	mm in.	30	mm in.
98. Number of shoes per brake	2		2	
99. Total area per brake	134x10 ²	mm ² sq. in.	115x10 ²	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 Toyota

Model KE10

F.I.A. Rec. No.

ENGINE (photographs J and K)

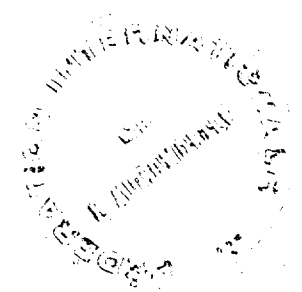
130. Cycle	4	131. Number of cylinders	4
132. Cylinder arrangement	In Line		
133. Bore	75 mm	134. Stroke	61 mm
	2.95 in.		2.40 in.
135. Capacity per cylinder	269	cm ³	16.5
			cu. in.
136. Total cylinder-capacity	1077	cm ³	65.8
			cu. in.
137. Material (s) of cylinder block	Cast Iron		
138. Material (s) of sleeves (if fitted)	-		
139. Cylinder-head, material (s)	Al- <u>Alloy</u>	Number fitted	1
140. Number of inlet ports	4	141. Number of exhaust ports	4
142. Compression ratio	9.0		
143. Volume of one combustion chamber	33.7	cm ³	cu. in.
144. Piston, material	Al- <u>Alloy</u>	145. Number of rings	3
146. Distance from gudgeon pin centre line to highest point of piston crown	36 mm		inches
147. Crankshaft : crank / crank		148. Type of crankshaft :	integral /
149. Number of crankshaft main bearings	5		
150. Material of bearing cap	Cast Iron		
151. System of lubrication : crank / oil in sump			
152. Capacity, lubricant	3.5	litrs	pts
			quarts US
153. Oil cooler : yes / no			
154. Method of engine cooling	Forced Water Circulation		
155. Capacity of cooling system	4.7	litrs	pints
			quarts US
156. Cooling fan (if fitted), dia.	31	cm	inches
157. Number of blades of cooling fan	2		

Bearings

158. Crankshaft main, type	Plain	Dia.	50	mm	in.
159. Connecting rod big end,	Plain	Dia.	45	mm	in.

Weights

160. Flywheel (clean)	6.8	kg	lbs
161. Flywheel with clutch (all turning parts)	10.0	kg	lbs
162. Crankshaft	8.8	kg	lbs
163. Connecting rod	0.3	kg	lbs
164. Piston with rings and pin	0.4	kg	lbs



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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 & Rocker

INLET (see page 8) *

180. Material(s) of inlet manifold Al-Alloy
 181. Diameter of valves 34 mm 1.34 inches
 182. Max. valve lift 8.8 ± 0.3 mm 0.35 ± 0.01 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) 0.08 mm inches
 187. Valves open at (with tolerance for tappet clearance indicated) B.T.D.C. $16^\circ \pm 2.5^\circ$
 188. Valves close at (with tolerance for tappet clearance indicated) A.B.D.C. $50^\circ \pm 2.5^\circ$
 189. Air filter, type Dry

EXHAUST (see page 8)

195. Material (s) of exhaust manifold Cast Iron
 196. Diameter of valves 28 mm 1.10 inches
 197. Max. valve lift 8.4 ± 0.3 mm 0.33 ± 0.01 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) 0.18 mm inches
 202. Valves open at (with tolerance for tappet clearance indicated) B.B.D.C. $50^\circ \pm 2.5^\circ$
 203. Valves close at (with tolerance for tappet clearance indicated) A.T.D.C. $16^\circ \pm 2.5^\circ$

CARBURETION (photograph N)

210. Number of carburetors fitted 1 211. Type Down Draught
 212. Make Aisan 213. Model 21100-22010
 214. Number of mixture passages per carburettor 2
 215. Flange hole diameter of exit port(s) of carburettor 28 & 28 mm in.
 216. Minimum dimensions of mixture passage(s) ~~with a diameter of 21 mm and a length of 24 mm~~
 21 & 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

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



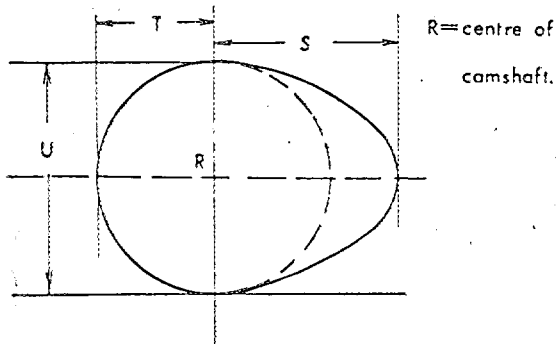
ENGINE ACCESSORIES

- 230. Fuel pump : mechanical ~~mechanical~~
- 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~~/alternator-number fitted 1
- 237. Method of drive **V Belt**
- 238. Voltage of generator 12 volts
- 239. Battery, number 1
- 240. Location **Engine Compartment**
- 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 6000 rpm
- 251. Maximum rpm 6500 output at that figure 58 PS
- 252. Maximum torque 8.5 kg-m at 3800 rpm
- 253. Maximum speed of the car 140 km/hour miles / hour

255.



Inlet cam

S =	21.1	mm	0.831	inches
T =	15.4	mm	0.606	inches
U =	30.8	mm	1.213	inches

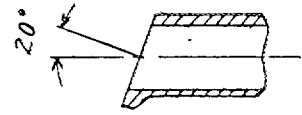
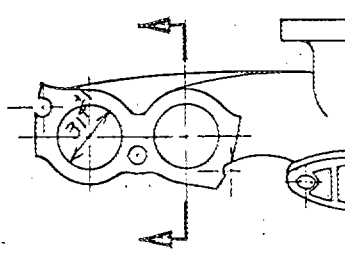
Exhaust cam

S =	21.2	mm	0.835	inches
T =	15.2	mm	0.598	inches
U =	30.4	mm	1.197	inches

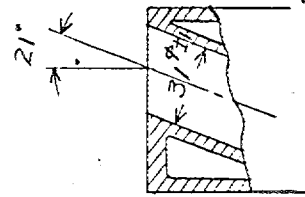
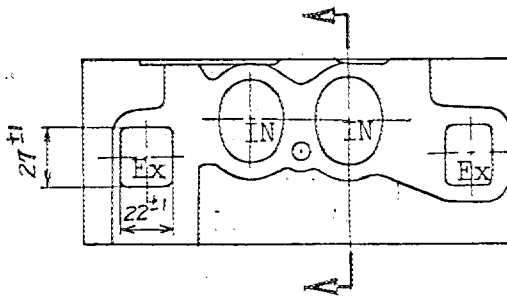


67

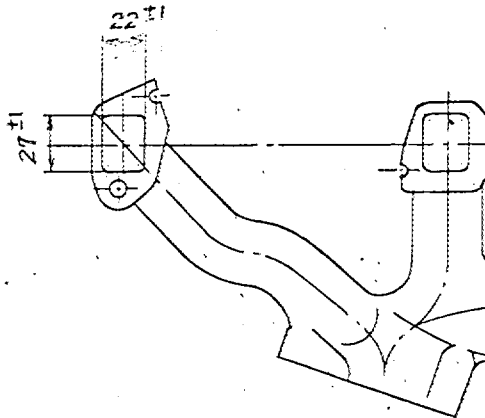
Drawing inlet manifold ports, side of cylinder-head. Indicate scale or dimensions and manufacturing tolerance.



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



DRIVE TRAIN

CLUTCH

260. Type of clutch **Dry Single Plate Friction** 261. No. of plates **1**
 262. Dia. of clutch plates **18.3** cm inches
 263. Dia. of linings, inside **12.5** cm in. outside **18.0** cm in.
 264. Method of operating clutch **Mechanical**

GEAR BOX (photograph H)

270. Manual type, make **Toyota** 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 type
 275. No. of forward ratios 276. Location of gear-shift

277.	Manual		Automatic		Alternative manual/automatic			
	Ratio	No. teeth	Ratio	No. teeth	Ratio	No. teeth	Ratio	No. teeth
1	3.684	$\frac{32}{19} \times \frac{35}{16}$						
2	2.050	$\frac{32}{19} \times \frac{28}{23}$						
3	1.383	$\frac{32}{19} \times \frac{23}{28}$						
4	1							
5								
6								
reverse	4.316	$\frac{32}{19} \times \frac{41}{16}$						

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 **4.222, 4.444**
 Number of teeth **38/9 40/9**



(TS)

Make

Toyota

Model

KE10

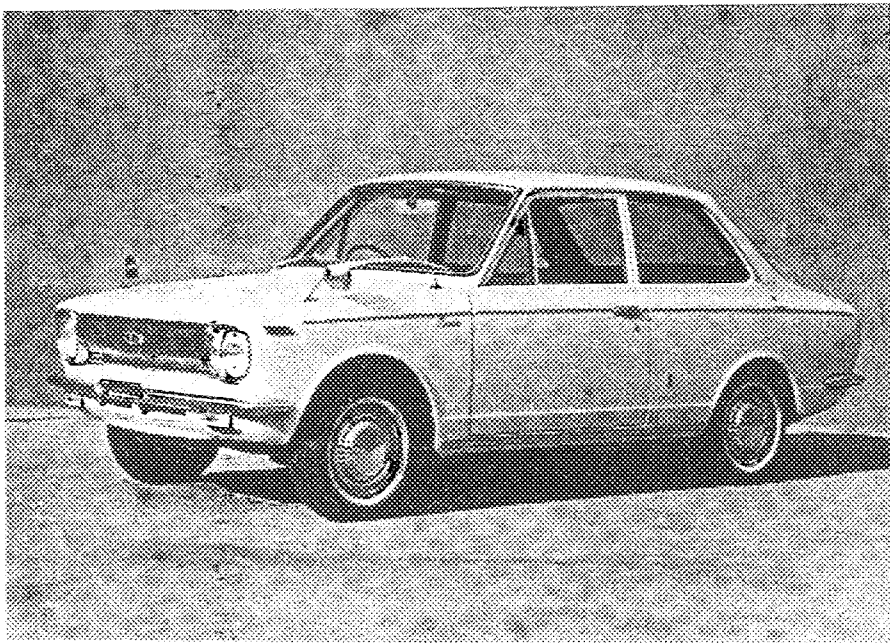
F. I. A. Rec. No.

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.

This model of car has another appearance^a equipped with various embellishing accessories as below.[^]



Make

Toyota

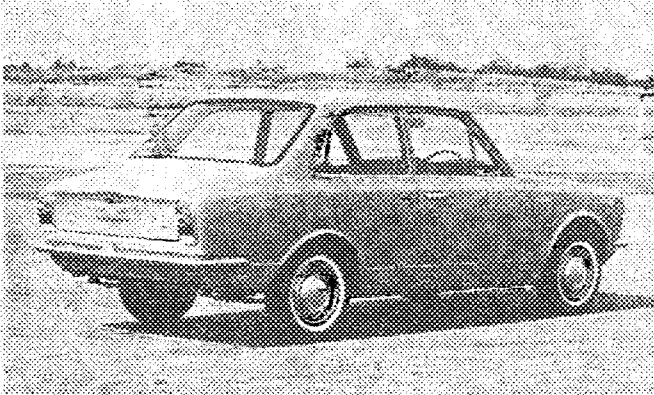
Model

KELO

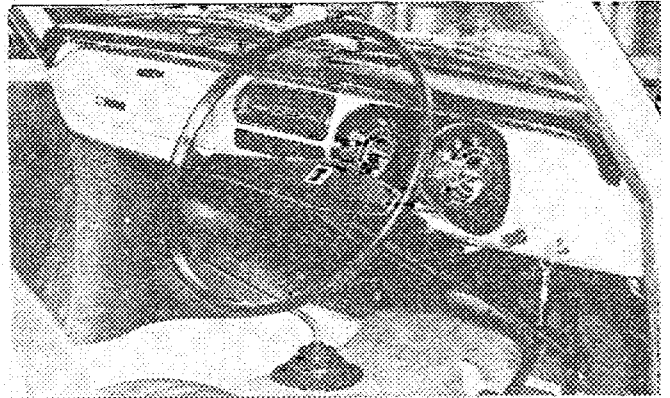
F.I.A. Rec. No.

Photograph

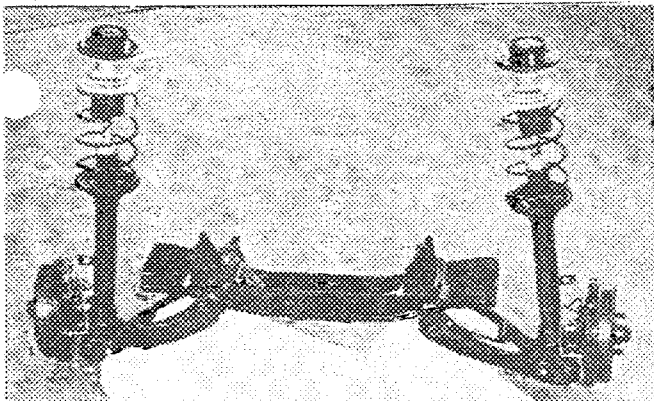
B, 3/4 view of car from rear



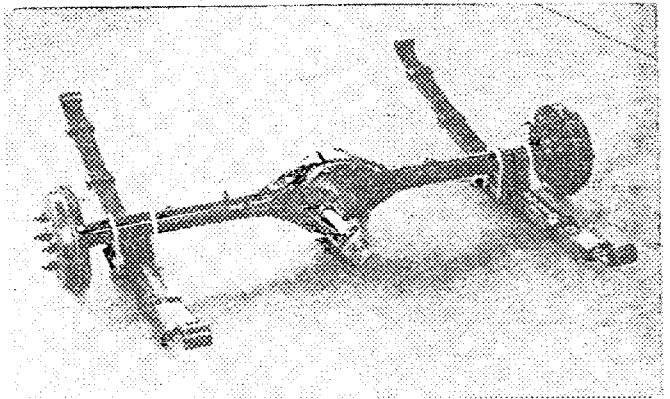
C, interior view of car through driver's door (open or removed) with dashboard



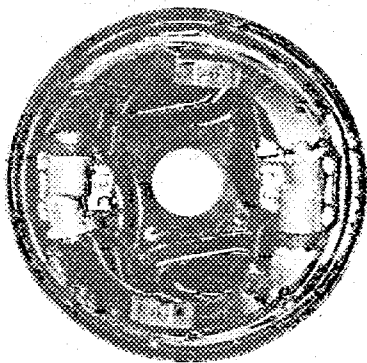
D, front axle complete, removed from car. Without wheels.



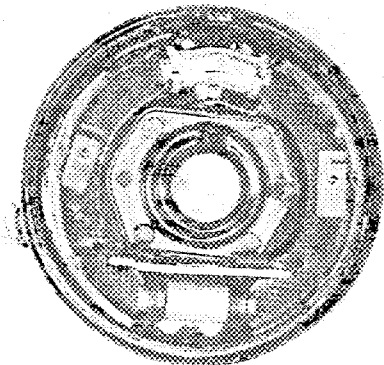
E, Rear axle complete without wheels, removed from car.



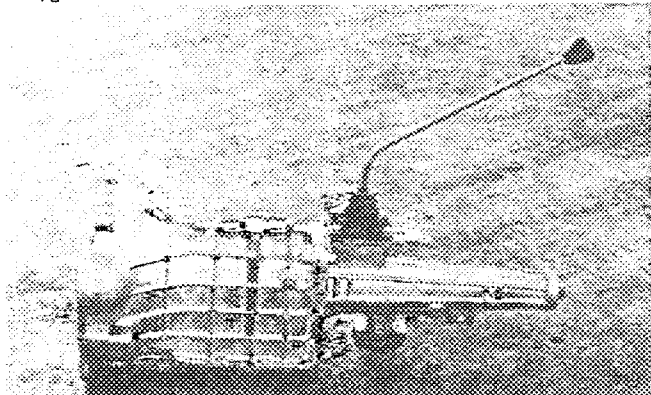
F, front brake, drum removed or disc with calipers!



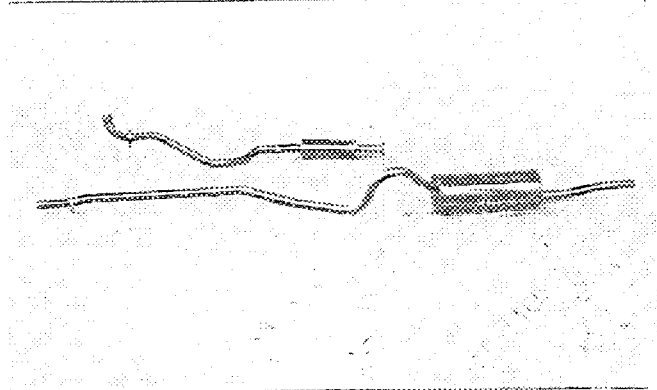
G, rear brake, drum removed or disc with calipers!



H, gear-box, view from side

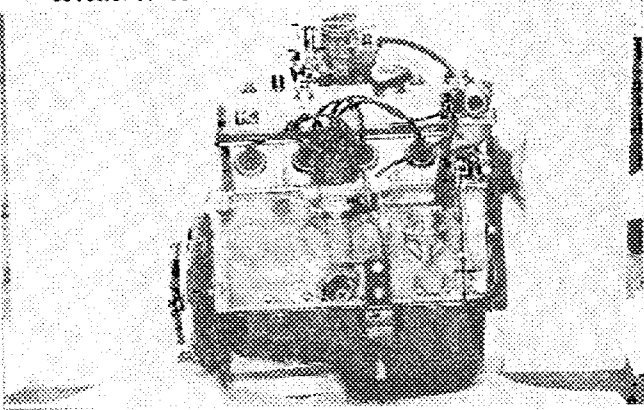


I, silencer + exhaust pipes after exhaust manifold.

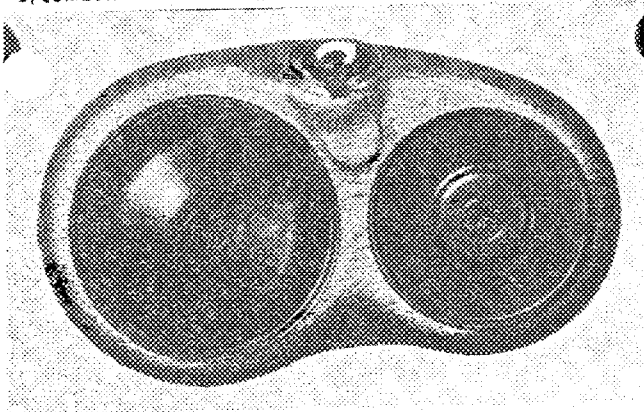


Make **Toyota**

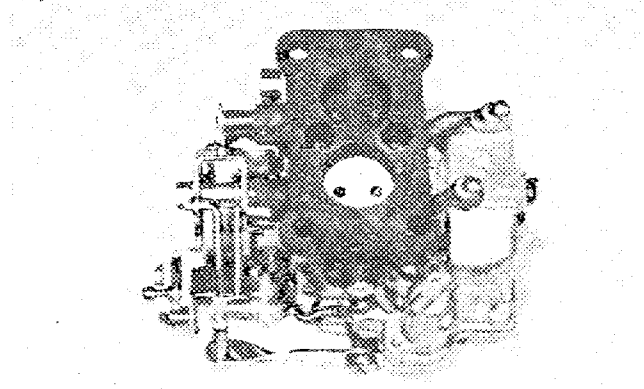
engine unit out of car, from right. With clutch and J, accessories but without air filter nor gear-box.



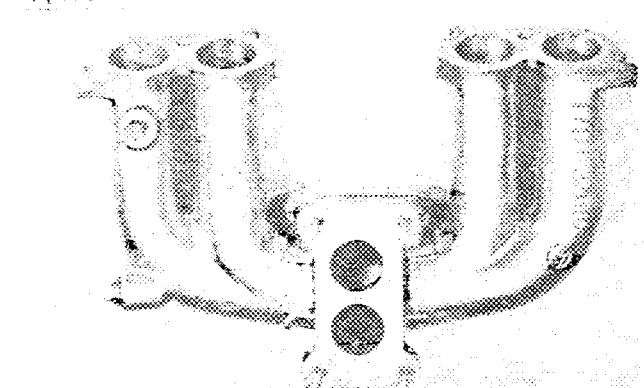
L, combustion chamber



N, Carburettor (view from side of manifold)



P, inlet manifold

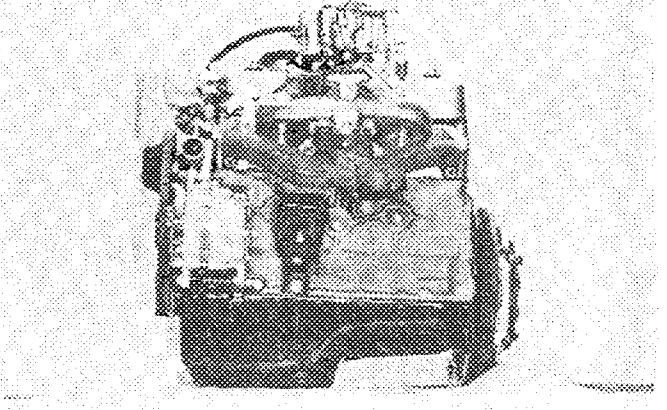


Model **KE10**

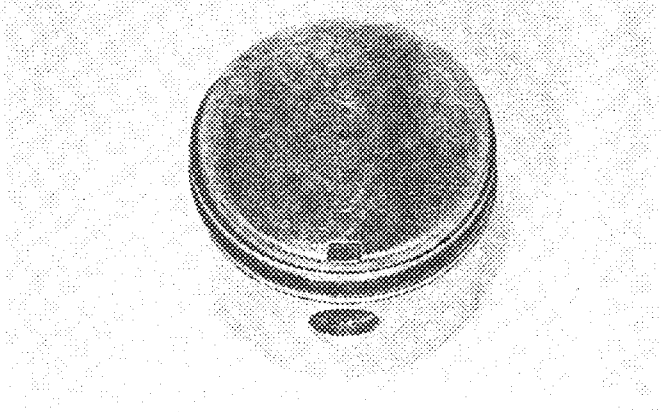
F. I. A. Rec. No

Photograph

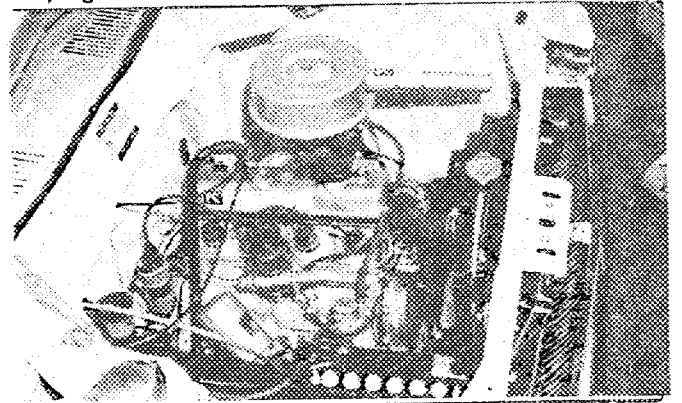
Engine unit out of car, from left. With clutch and accessories but without gear-box nor air filter.



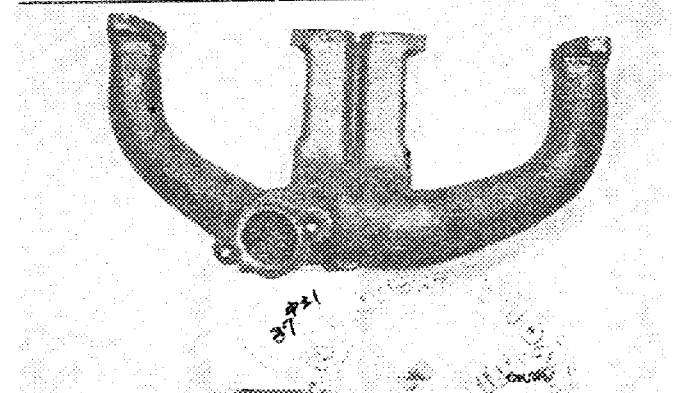
M, piston crown



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



Q, exhaust manifold



TWO STROKE ENGINES

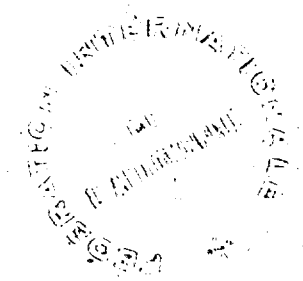
- 300. System of cylinder scavenging
- 301. Type of lubrication
- 302. Inlet ports, length measured around cylinder wall mm inches
- 303. Height inlet port mm in. 304. Area mm² sq. in.
- 305. Exhaust ports, length measured around cylinder wall mm inches
- 306. Height exhaust port mm in. 307. Area mm² 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 ports.

330. Supercharging—state full details hereafter :

JAPAN AUTOMOBILE FEDERATION

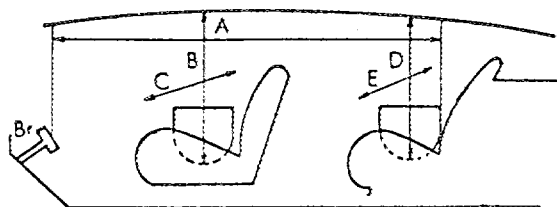
Yasuharu Nanba

Yasuharu Nanba



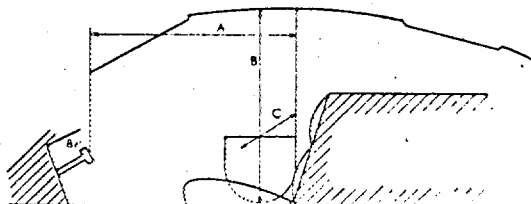
DIMENSIONS OF INTERIOR
(Conform to Art. 253 b of Appendix J)

For four seaters :



Minimum		Dimensions		
A	B	C	D	E
1710 cm	940 cm	1240 cm	970 cm	1390 cm

For two seaters :



Minimum		Dimensions
A	B	C
cm	cm	cm





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

5157/1/1E

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

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

Make Toyota Motor Co., Ltd. Model Toyota Corolla, KEIC
Modification's application starts with serial No. chassis KEIO 2600C1 engine K 333611
Application of this amendment started the 11th March, 1968
Commercial denomination after application of modifications F.I.A. Recognition No. 5157
The modifications are to be considered as: ~~Yxxxx~~ normal evolution of the type
Date amendment is valid from 1st Nov. '68 list 1968/10

Description of amendment Exterior front and interior views

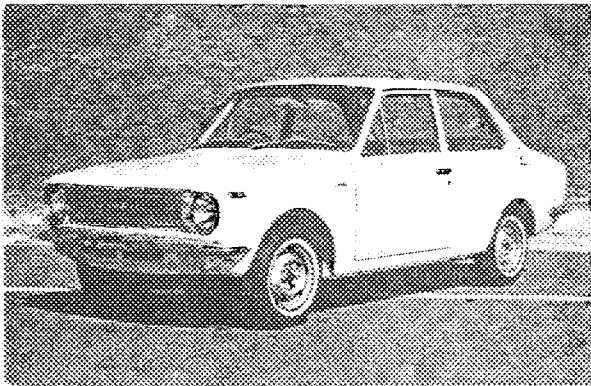


Photo A

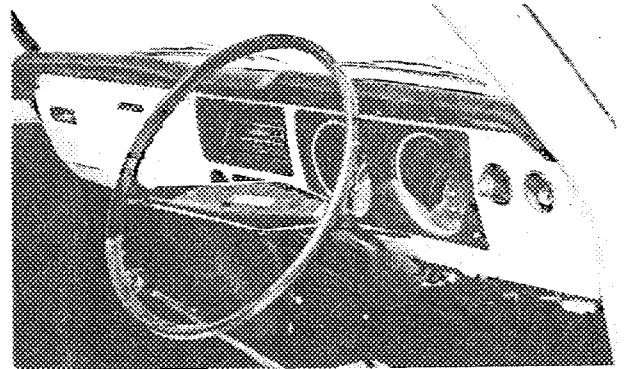


Photo B

Stamp and signature of National Sporting Authority

JAPAN AUTOMOBILE FEDERATION Chairman of Technical Sub-commission

Signature of Yasuharu Nanba

Yasuharu Nanba

Vertical Japanese text: 法人団 日本自動車連盟 機械振興会館内 芝公園第三号地一番五

Stamp and signature of F.I.A.

Signature of F.I.A.