



# JAPAN AUTOMOBILE FEDERATION

F. I. A. Recognition No.  
Group **1**

5320

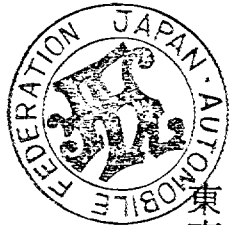
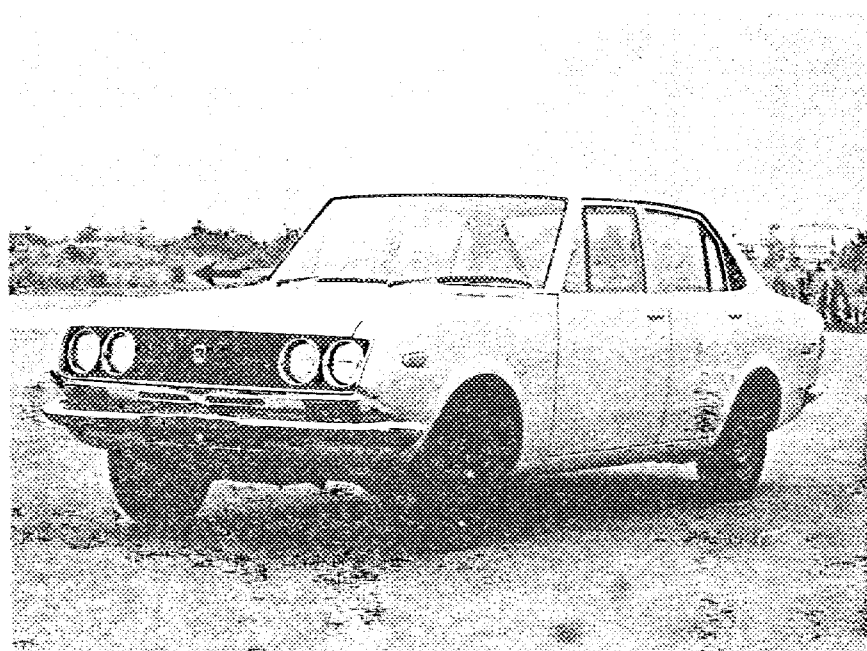
## FEDERATION INTERNATIONALE DE L'AUTOMOBILE

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

Manufacturer	Toyota Motor Co., Ltd.	Cylinder-capacity	1591 cm <sup>3</sup> 97.05 cu. in.
Serial No. of chassis	RT60 100001	Model	Corona Mark II SL RT60-S
Serial No. of engine	7R 100001	Manufacturer	Toyota Motor Co., Ltd.
Recognition is valid from	1/1/70	Manufacturer	"
		List	70/1

The manufacturing of the model described in this recognition form was started on **August 1968** and the minimum production of **5000** identical cars, in accordance with the specifications of this form was reached on **April 1969**

Photograph A, 3/4 view of car from front



東京港区芝公園第三号地一番五  
 機械振興会館内  
 法人  
 日本自動車連盟

The vehicle described in this form has been subject to the following amendments :

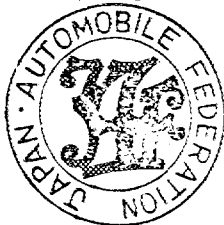
### Variants

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

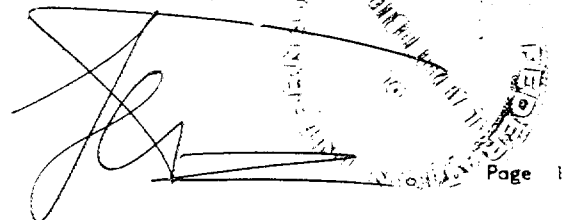
### Normal evolution of the type

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 Toyota

Model RT60-S

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.

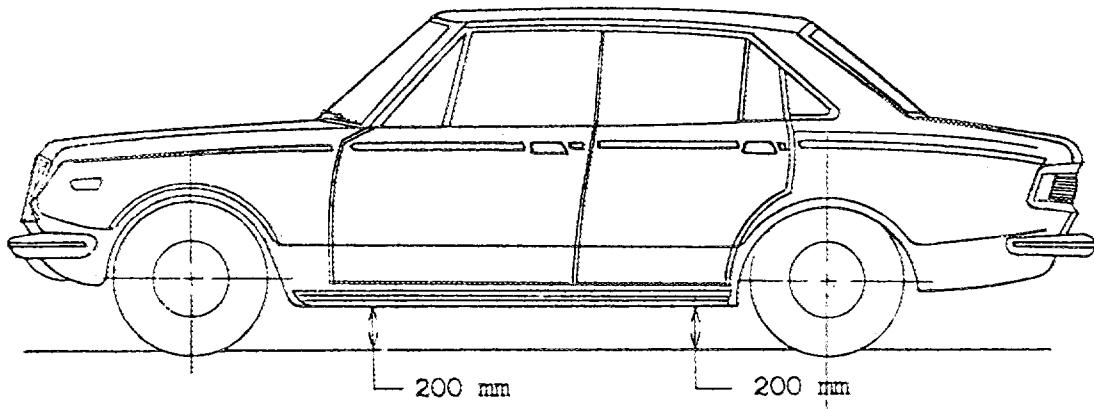
**CAPACITIES AND DIMENSIONS**

Wheelbase	2510	mm	98.8	inches
2 Front track	1325	mm	52.2	inches *
3 Rear track	1320	mm	52.0	inches *
4 Overall length of the car	429.5	cm		inches
5 Overall width of the car	160.5	cm		inches
6 Overall height of the car	140.5	cm		inches
7 Capacity of fuel tank (reserve included)			52	ltrs
	13.7	Gallon US		Gallon Imp.
8 Seating capacity				
9 Weight, total weight of the car with normal equipment, water, oil and spare wheel but without fuel nor repair tools				
	925	kg	2035	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.

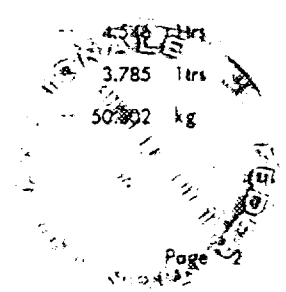
Specify ground clearance in relation to the track and give drawing of two fixed points of the vehicle's structure at which measurements are taken.

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 <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 Toyota

Model RT60-S

F. I. A. Rec. No.

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

- 20. Chassis/body construction : ~~XXXXXX~~ 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 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. Sliding system of door windows Vertical, Manual
- 32. Material (s) of rear-quarter light

**ACCESSORIES AND UPHOLSTERY**

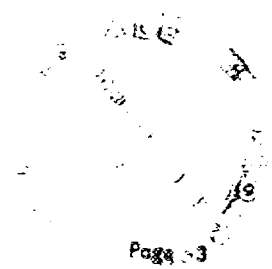
- 38. Interior heating : ~~XXXXX~~ - no
- 39. Air-conditioning : ~~XXXXX~~ - no
- 40. Ventilation : yes - ~~XXX~~
- 41. Front seats, type of seats and upholstery Separate, Vinyl leather
- 42. Weight of front seat (s), complete with supports and rails, out of the car :  
17 kg x 2 kg lbs
- 43. Rear seats, type of seats and upholstery Bench, Vinyl leather
- 44. Front bumper, material (s) Steel Weight 5.9 kg lbs
- 45. Rear bumper, material (s) Steel Weight 5.7 kg lbs

**WHEELS**

- 50. Type Pressed steel
- 51. Weight (per wheel, without tyre) 6 kg lbs
- 52. Method of attachment 4 Nuts
- 53. Rim diameter 330.2 mm 13 inches
- 54. Rim width 114.3 mm 4.5 inches

**STEERING**

- 60. Type Recirculating ball
- 61. Servo-assistance : ~~YESXX~~ - no
- 62. Number of turns of steering wheel from lock to lock 3 $\frac{3}{4}$
- 63. In case of servo-assistance



Make Toyota

Model RT60-S

F. I. A. Rec. No.

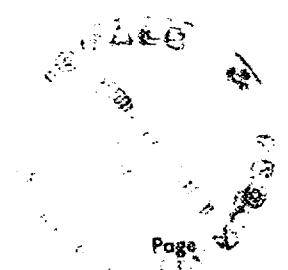
**SUSPENSION**

- 70. Front suspension (photogr. D), type Independent, Wishbones
- 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
- 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 Vacuum servo
- 92. Number of hydraulic master cylinders 2 (tandem)

	FRONT		REAR	
93. Number of cylinders per wheel	2		1	
94. Bore of wheel cylinder (s)	48.1	mm	20.64	mm
				in.
<b>Drum brakes</b>				
95. Inside diameter		mm	228.6	mm
				in.
96. Length of brake linings		mm	243	mm
				in.
97. Width of brake linings		mm	40	mm
				in.
98. Number of shoes per brake				
99. Total area per brake		mm <sup>2</sup>	194x10 <sup>2</sup>	mm <sup>2</sup>
				sq. in.
<b>Disc brakes</b>				
100. Outside diameter	244	mm		mm
				in.
101. Thickness of disc	10	mm		mm
				in.
102. Length of brake linings	47.5	mm		mm
				in.
103. Width of brake linings	60.9	mm		mm
				in.
104. Number of pads per brake			2	
105. Total area per brake	56 x 10 <sup>2</sup>	mm <sup>2</sup>		mm <sup>2</sup>
				sq. in.



Make Toyota

Model RT60-S

F. I. A. Rec. No.

ENGINE (photographs J and K)

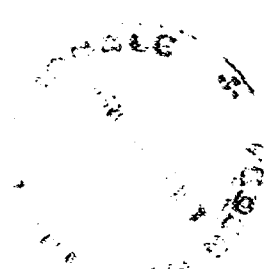
130. Cycle	4	131. Number of cylinders	4
132. Cylinder arrangement	In line		
133. Bore	86 mm	134. Stroke	68.5 mm
	3.38 in.		2.69 in.
135. Capacity per cylinder			
	398 cm <sup>3</sup>		24.2 cu. in.
136. Total cylinder-capacity			
	1591 cm <sup>3</sup>		97.0 cu. in.
137. Material (s) of cylinder block	Cast iron		
138. Material (s) of sleeves (if fitted)			
139. Cylinder-head, material (s)	Cast iron	Number fitted	1
140. Number of inlet ports	4	141. Number of exhaust ports	4
142. Compression ratio	9.5		
143. Volume of one combustion chamber			
		46.8 cm <sup>3</sup>	cu. in.
144. Piston, material	Aluminum-Alloy	145. Number of rings	3
146. Distance from gudgeon pin centre line to highest point of piston crown			
	39.8 mm		inches
147. Crankshaft : <del>xxxxxx</del> / stamped		148. Type of crankshaft : integral / <del>xxxxxx</del>	
149. Number of crankshaft main bearings	5		
150. Material of bearing cap	Cast iron		
151. System of lubrication : <del>xxxxxx</del> / oil in sump			
152. Capacity, lubricant	4.1 ltrs		
		pts	quarts US
153. Oil cooler : <del>xxxx</del> / no		154. Method of engine cooling	Water
155. Capacity of cooling system	7.4 ltrs		
		pints	quarts US
156. Cooling fan (if fitted), dia.	36 cm		
		inches	
157. Number of blades of cooling fan	6		

Bearings

158. Crankshaft main, type	Plain	Dia.	60 mm	in.
159. Connecting rod big end,	Plain	Dia.	53 mm	in.

Weights

160. Flywheel (clean)	10.6 kg		lbs
161. Flywheel with clutch (all timing parts)		16.6 kg	lbs
162. Crankshaft	15 kg		
		lbs	
164. Piston with rings and pin	0.55 kg		lbs
		163. Connecting rod	0.84 kg
			lbs



Make Toyota

Model RT60-S

F. I. A. Rec. No

**FOUR STROKE ENGINES**

170. Number of camshafts 1 171. Location Cylinder head  
 172. Type of camshaft drive Chain  
 173. Type of valve operation Rocker

**INLET** (see page 8) \*

180. Material(s) of inlet manifold Aluminum-Alloy  
 181. Diameter of valves 43 mm 1.69 inches  
 182. Max. valve lift 10 mm 0.39 in. 183. Number of valve springs 2  
 184. Type of spring Coil 185. Number of valves per cylinder 1  
 186. Tappet clearance for checking timing (cold) 0.15 mm inches  
 187. Valves open at (with tolerance for tappet clearance indicated) B.T.D.C.  $15^{\circ} \pm 7^{\circ}$   
 188. Valves close at (with tolerance for tappet clearance indicated) A.B.D.C.  $45^{\circ} \pm 7^{\circ}$   
 189. Air filter, type Dry

**EXHAUST** (see page 8)

195. Material (s) of exhaust manifold Cast iron  
 196. Diameter of valves 34 mm 1.34 inches  
 197. Max. valve lift 10 mm 0.39 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) 0.30 mm inches  
 202. Valves open at (with tolerance for tappet clearance indicated) B.B.D.C.  $50^{\circ} \pm 7^{\circ}$   
 203. Valves close at (with tolerance for tappet clearance indicated) A.T.D.C.  $10^{\circ} \pm 7^{\circ}$

**CARBURETION** (photograph N)

210. Number of carburetors fitted 2 211. Type Side draught (SU)  
 212. Make Aisan 213. Model 7R-B  
 214. Number of mixture passages per carburetor 1  
 215. Flange hole diameter of exit port(s) of carburetor 44 mm in  
 216. Minimum dimensions of mixture passage(s) with piston at max. height (example: SU)  
 32 mm inches

**INJECTION** (if fitted)

221. 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 Toyota

Model RT60-S

F. I. A. Rec. No.

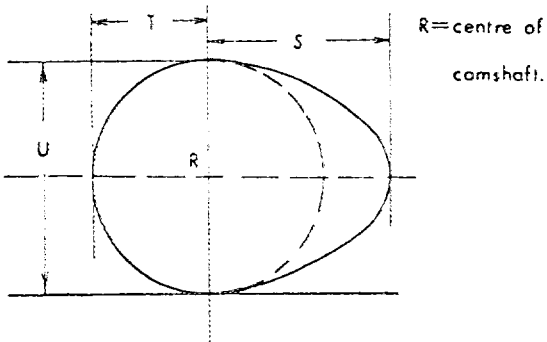
**ENGINE ACCESSORIES**

- |   |              |                          |                                      |        |
|---|--------------|--------------------------|--------------------------------------|--------|
| 230. Fuel pump  | mechanical   | <del>rod/rod drive</del> | 231. No. fitted                      | 1      |
| 232. Type of ignition system                          | Make & break |                          | 233. No. of distributors             | 1      |
| 234. No. of ignition coils                            | 1            |                          | 235. No. of spark plugs per cylinder | 1      |
| 236. Generator, type: dynamo/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       | 100 PS    | (type of horsepower: JIS ) | at                    | 6200 | rpm          |
| 251. Maximum rpm              | 6500      |                            | output at that figure | 95   | PS           |
| 252. Maximum torque           | 13.6 kg-m |                            | at                    | 4200 | rpm          |
| 253. Maximum speed of the car | 165       | km/hour                    |                       |      | miles / hour |

255.



Inlet cam

- |     |      |    |       |        |
|-----|------|----|-------|--------|
| S = | 26.1 | mm | 1.028 | inches |
| T = | 18.0 | mm | 0.709 | inches |
| U = | 36.0 | mm | 1.417 | inches |

Exhaust cam

- |     |      |    |       |        |
|-----|------|----|-------|--------|
| S = | 26.2 | mm | 1.032 | inches |
| T = | 18.0 | mm | 0.709 | inches |
| U = | 36.1 | mm | 1.421 | inches |

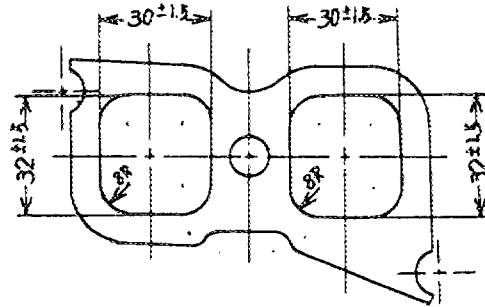


Make Toyota

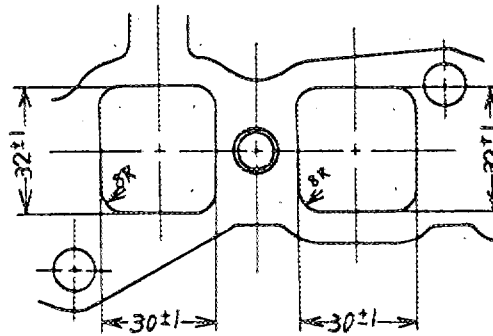
Model RT60-S

F. I. A. Rec. No

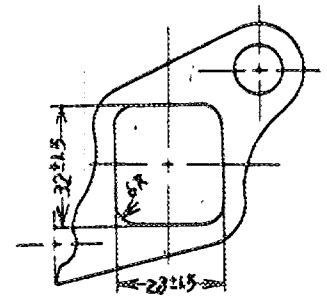
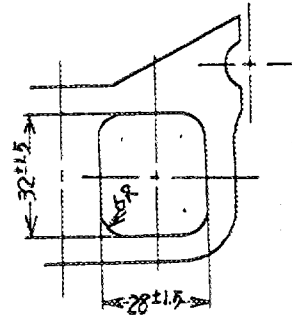
Drawing inlet manifold ports, side of cylinder-head. Indicate scale or dimensions and manufacturing tolerance.



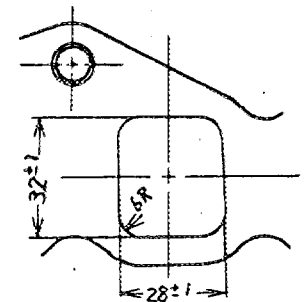
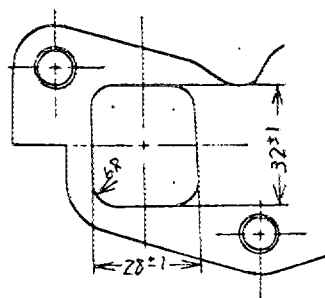
Drawing of entrance to inlet port of cylinder-head. Indicate scale or dimensions and manufacturing tolerance.



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





Make Toyota

Model RT60-S

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 20.5 cm inches

263. Dia. of linings, inside 14.0 cm in. outside 20.0 cm in.

264. Method of operating clutch Hydraulic

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	3.673	$\frac{31}{18} \times \frac{32}{15}$			3.337	$\frac{31}{18} \times \frac{31}{16}$		
2	2.114	$\frac{31}{18} \times \frac{27}{22}$			1.948	$\frac{31}{18} \times \frac{26}{23}$		
3	1.403	$\frac{31}{18} \times \frac{22}{27}$			1.340	$\frac{31}{18} \times \frac{21}{27}$		
4	1.000				1.000			
5								
6								
reverse	4.183	$\frac{31}{18} \times \frac{22}{14}$			4.183	$\frac{31}{18} \times \frac{34}{14}$		

278. Overdrive, type

279. Forward gears on which overdrive can be selected

280. Overdrive ratio

FINAL DRIVE

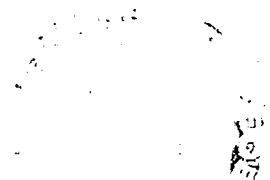
290. Type of final drive Hypoid gear

291. Type of differential Bevel gear

292. Type of limited slip differential (if fitted)

293. Final drive ratio 3.70, ~~3.190~~, 4.111, ~~4.0315~~

Number of teeth 37/10, ~~36/10~~, 37/9, ~~35/9~~



Make Toyota

Model RT60-S

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 L, M, N, and page 8

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.

\*293 - GRI 3,90 (39/10)  
4,375 (35/8)



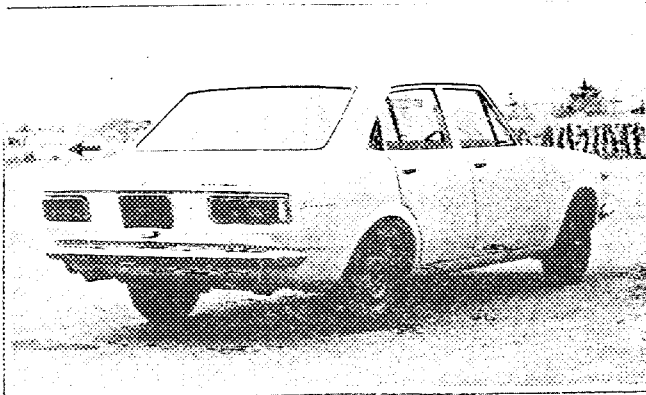
Make Toyota

Model RT60-S

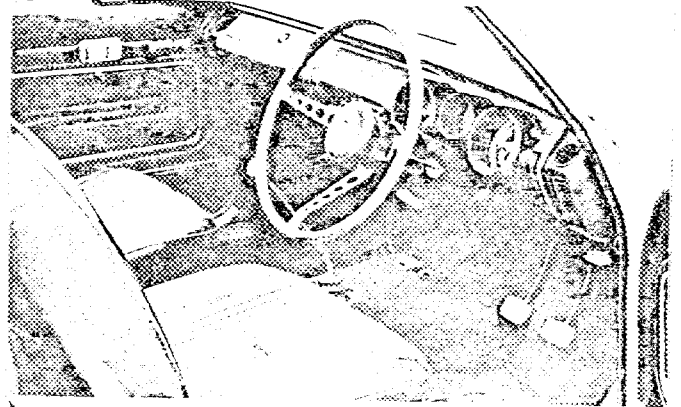
F.I.A. Rec. No.

Photograph

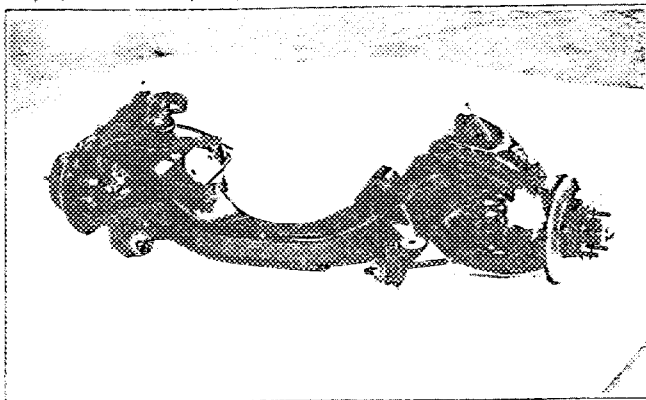
B, 3/4 view of car from rear



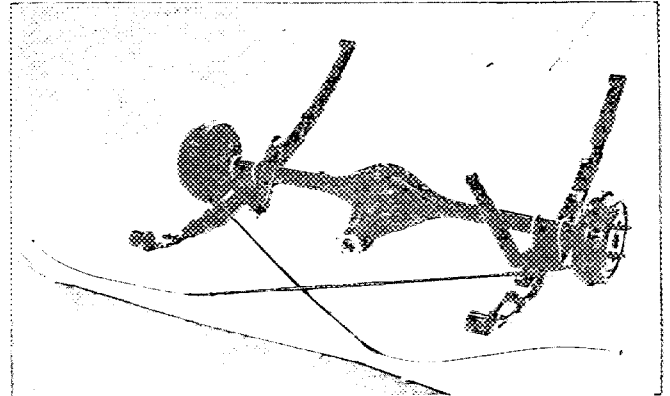
C, interior view of car through driver's door, open or removed!



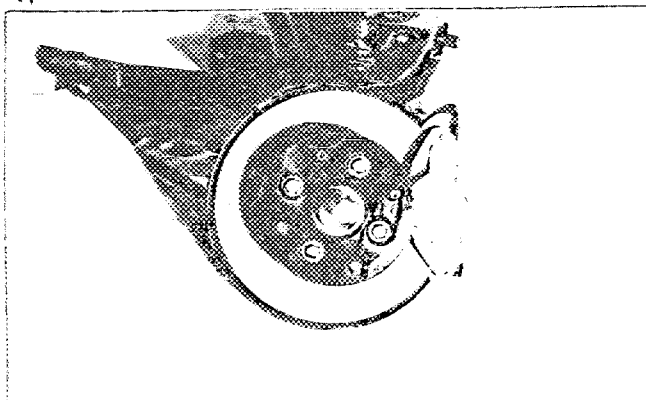
D, front axle complete, removed from car. Without wheels.



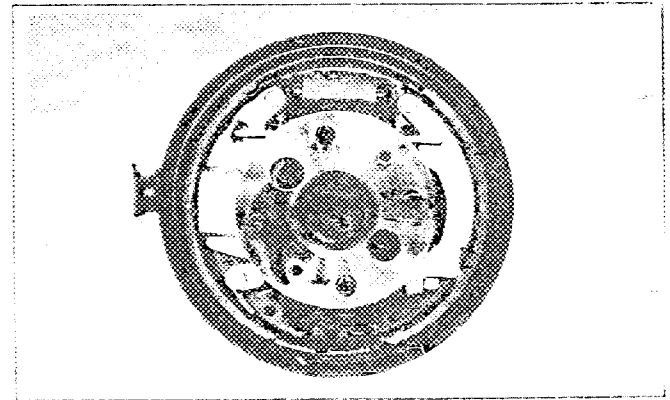
E, Rear axle complete without wheels, removed from car.



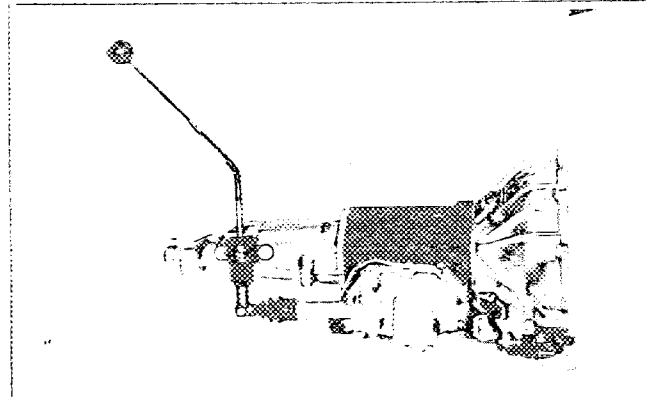
F, front brake drum removed or disc with caliper!



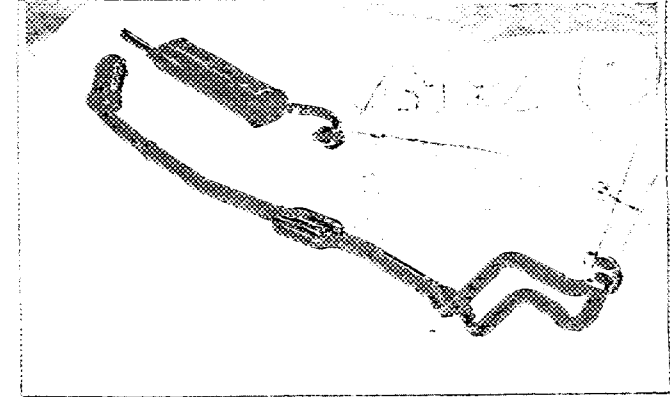
G, rear brake drum removed or disc with caliper!



H, gear-box, view from side



I, blencer - exhaust pipes after exhaust manifold



Make Toyota

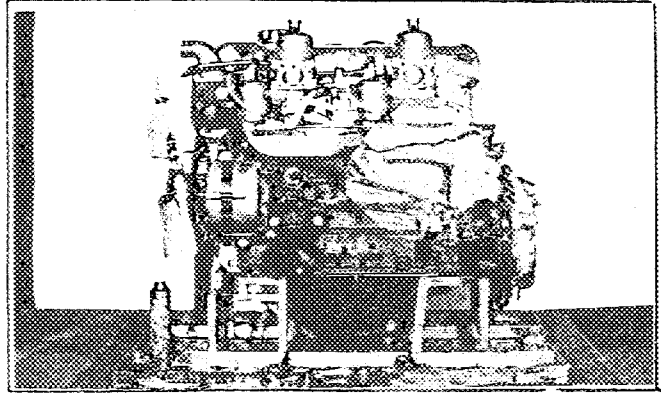
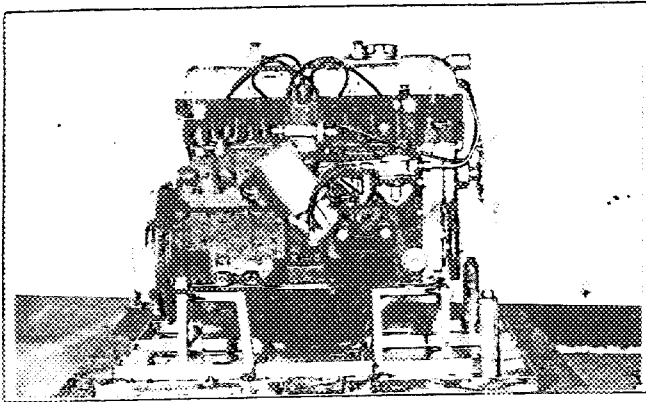
Photograph

Model RT60-S

F. I. A. Rec. No

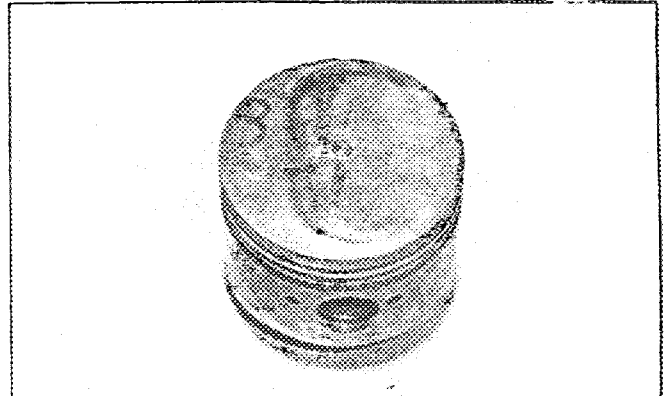
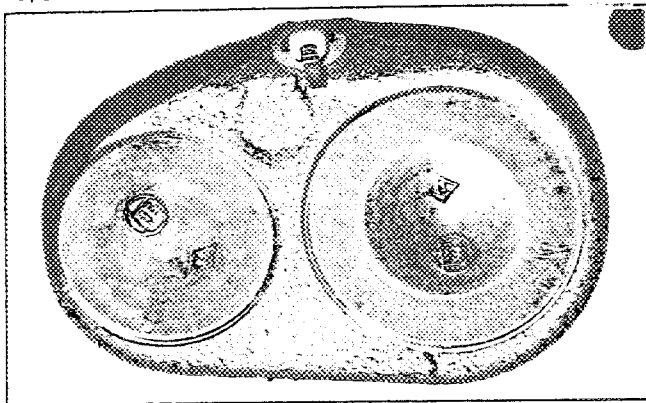
engine unit out of car, from right. With clutch and accessories but without air filter nor gear-box.

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



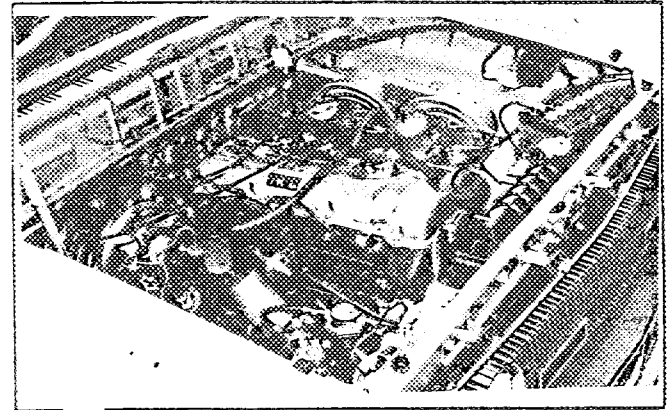
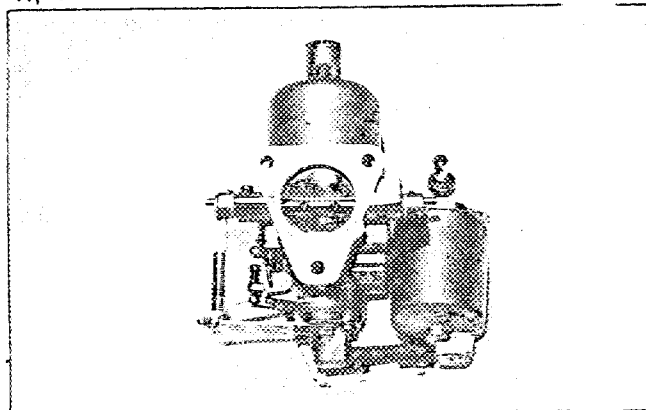
L, combustion chamber

M, piston crown



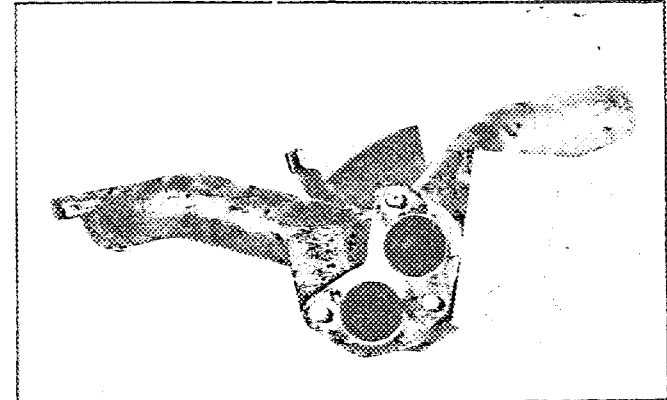
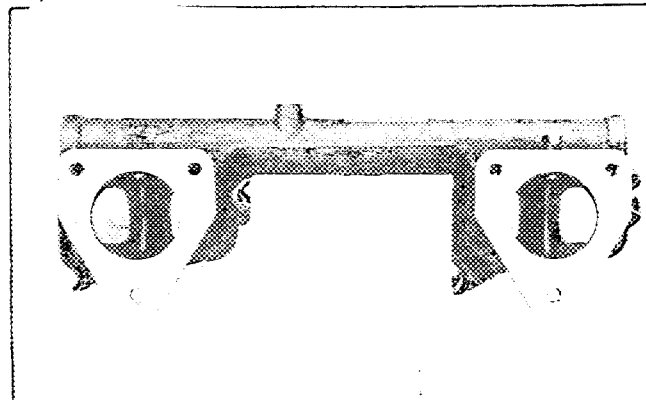
N, Carburettor (view from side of manifold)

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



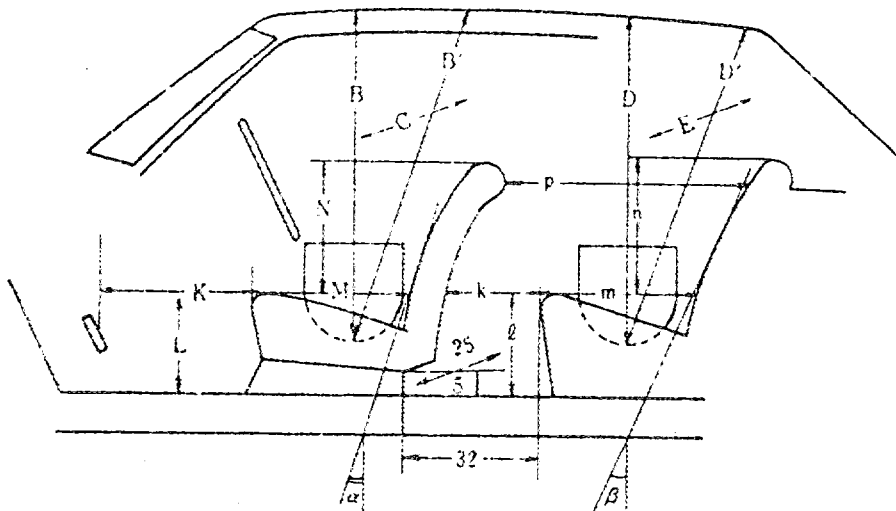
P, inlet manifold

Q, exhaust manifold



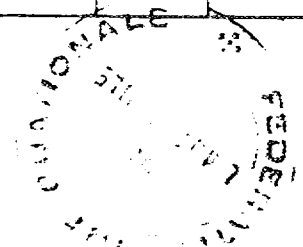
**DIMENSIONS OF INTERIOR**  
(Conform to Art 253 b of Appendix J)

For four seaters :



Minimum Dimensions (cm)							
B	B'	$\alpha$	C	D	D'	$\beta$	E
90	98	23	133.5	93	94	23	133

Minimum Dimensions (cm)										
L	$\ell$	M	m	N	n	k+m	p	k	k+l+m	K+L+M
31	33.7	50	47.3	45.5	42	77.3	77	30	111	120.5
0.9L = 27.9		0.85M = 42.5		0.8N = 36.4		0.8(k+m) = 61.84		(15)	(95)	(120)



Make Toyota

Model RT60-S

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. Drawing of cylinder ports.

330. Supercharging—state full details hereafter :

JAPAN AUTOMOBILE FEDERATION

Kazunari Komotori

