



JAPAN AUTOMOBILE FEDERATION

F. I. A. Recognition No. **5288**
Group **1**

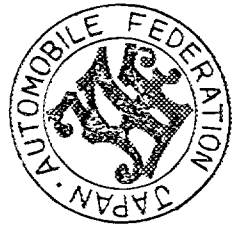
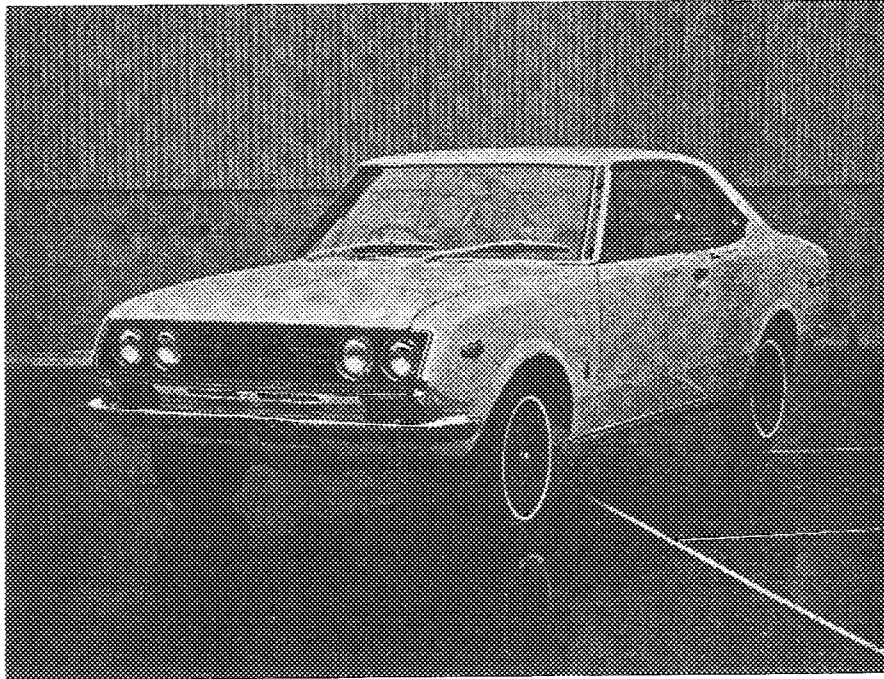
FEDERATION INTERNATIONALE DE L'AUTOMOBILE

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

Manufacturer	Toyota Motor Co., Ltd.	Cylinder-capacity	1858	cm ³	113.3	cu. in.
Serial No. of chassis	RT72 - 100001	Model	Corona MK-II 1900 Hardtop SL,			
Serial No. of engine	8R - 100001	Manufacturer	RT72-S			
Recognition is valid from	1/4/1969	Manufacturer	Toyota Motor Co., Ltd.			
		Manufacturer	Toyota Motor Co., Ltd.			
		List	69/2			

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

Photograph A, 3/4 view of car from front



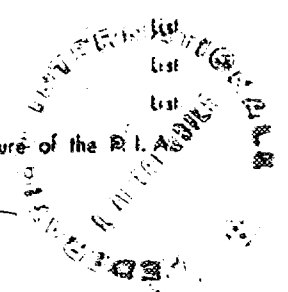
東京都港区芝公園第三号地一番五
機械振興会館内
法人団
日本自動車連盟

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.



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

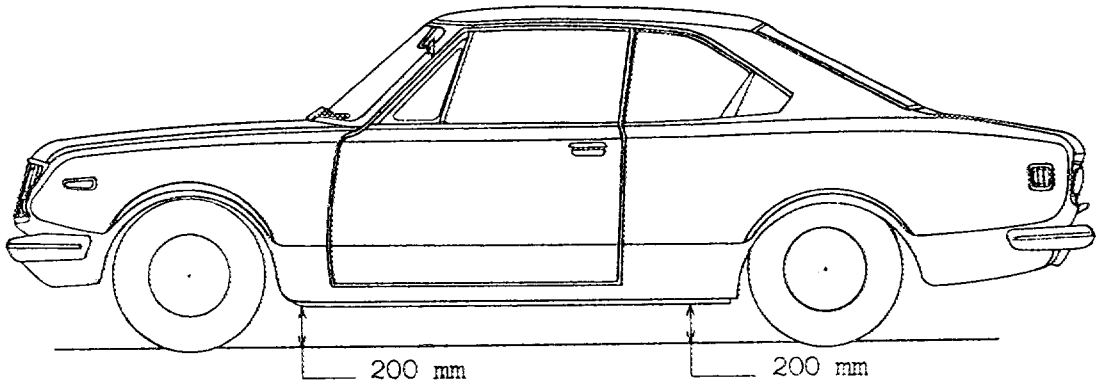
CAPACITIES AND DIMENSIONS

1. <u>Wheelbase</u>	2510	mm	98.8	inches
2. <u>Front track</u>	1325	mm	52.2	inches *
3. <u>Rear track</u>	1320	mm	52.0	inches *
4. Overall length of the car	429.5	cm		inches
5. Overall width of the car	160.0	cm		inches
6. Overall height of the car	139.5	cm		inches
7. <u>Capacity of fuel tank</u> (reserve included)	52			ltrs
	13.7	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:				
	965	kg	2130	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.

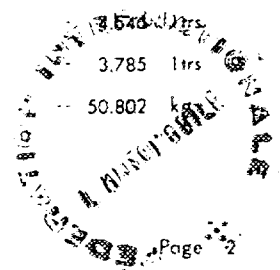
Specify ground clearance in relation to the track and give drawing of two fixed points of the vehicle's structure at which measurements are taken.

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



CHASSIS AND COACHWORK (Photographs A, B and C)

20. Chassis/body construction : ~~separate~~ / 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 : ~~yes~~ - no
39. Air-conditioning : ~~yes~~ - no
40. Ventilation : yes - ~~yes~~
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 : ~~yes~~ - no
62. Number of turns of steering wheel from lock to lock **3 3/4**
63. In case of servo-assistance



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	in.	20.64 mm	in.
Drum brakes				
95. Inside diameter	mm	in.	228.6 mm	in.
96. Length of brake linings	mm	in.	243 mm	in.
97. Width of brake linings	mm	in.	40 mm	in.
98. Number of shoes per brake			2	
99. Total area per brake	mm ²	sq. in.	97 x 10 ²	mm ² sq. in.
Disc brakes				
100. Outside diameter	244 mm	in.	mm	in.
101. Thickness of disc	10 mm	in.	mm	in.
102. Length of brake linings	47.5 mm	in.	mm	in.
103. Width of brake linings	60.9 mm	in.	mm	in.
104. Number of pads per brake	2			
105. Total area per brake	56 x 10 ² mm ²	sq. in.	mm ²	sq. in.



Make Toyota

Model RT72 - S

F.I.A. Rec. No.

ENGINE (photographs J and K)

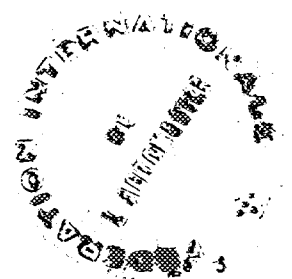
130. Cycle	4	131. Number of cylinders	4
132. Cylinder arrangement	In line		
133. Bore	86 mm	134. Stroke	80 mm
	3.38 in.		3.15 in.
135. Capacity per cylinder	464.5		28.3
	cm ³		cu. in.
136. Total cylinder-capacity	1858		113.3
	cm ³		cu. in.
137. Material (s) of cylinder block	Cast iron		
138. Material (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	10.0		
143. Volume of one combustion chamber	52.8		cm ³
			cu. in.
144. Piston, material	Al - cast	145. Number of rings	3
146. Distance from gudgeon pin centre line to highest point of piston crown	39.8 mm		inches
147. Crankshaft : cast / stamped		148. Type of crankshaft : integral / cast	
149. Number of crankshaft main bearings	5		
150. Material of bearing cap	Cast iron		
151. System of lubrication : dry sump / oil in sump			
152. Capacity, lubricant	4.1 ltrs		pts
			quarts US
153. Oil cooler : cast / 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)	11.5 kg		lbs
161. Flywheel with clutch (all turning parts)		17.5 kg	lbs
162. Crankshaft	17.7 kg	lbs	
163. Connecting rod	0.84 kg		lbs
164. Piston with rings and pin	0.55	kg	lbs



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 Al - cast
 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 $16^{\circ} \pm 7^{\circ}$
 188. Valves close at (with tolerance for tappet clearance indicated) A.B.D.C $60^{\circ} \pm 7^{\circ}$
 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 $56^{\circ} \pm 7^{\circ}$
 203. Valves close at (with tolerance for tappet clearance indicated) A.T.D.C $20^{\circ} \pm 7^{\circ}$

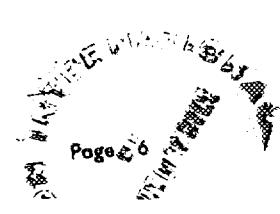
CARBURETION (photograph N)

210. Number of carburetors fitted 2 211. Type Side draught (SU)
 212. Make Aisan 213. Model 8R - 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)

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.



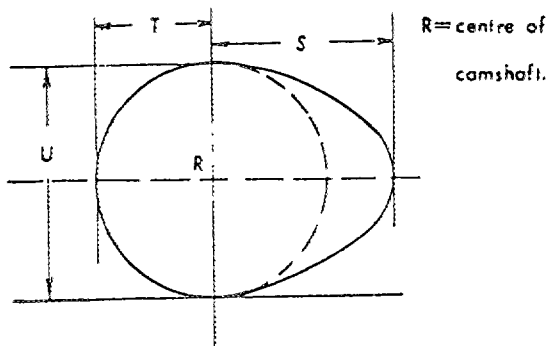
ENGINE ACCESSORIES

- | | | |
|---|--------------------------------------|--------|
| 230. Fuel pump : mechanical | 231. No. fitted | 1 |
| 232. Type of ignition system | 233. No. of distributors | 1 |
| 234. No. of ignition coils | 235. No. of spark plugs per cylinder | 1 |
| 236. Generator, type: dyna /alternator-number fitted | 237. Method of drive | V belt |
| 238. Voltage of generator | 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 | 110 PS | (type of horsepower: JIS) at | 6000 | rpm |
| 251. Maximum rpm | 6500 | output at that figure | 100 PS | |
| 252. Maximum torque | 15.5 Kg-m | at | 4,000 | rpm |
| 253. Maximum speed of the car | 175 | km/hour | | miles / hour |

255.



<u>Inlet cam</u>				
S =	26.0	mm	1.024	inches
T =	18.0	mm	0.709	inches
U =	36.0	mm	1.417	inches
<u>Exhaust cam</u>				
S =	26.1	mm	1.028	inches
T =	18.0	mm	0.709	inches
U =	36.1	mm	1.421	inches

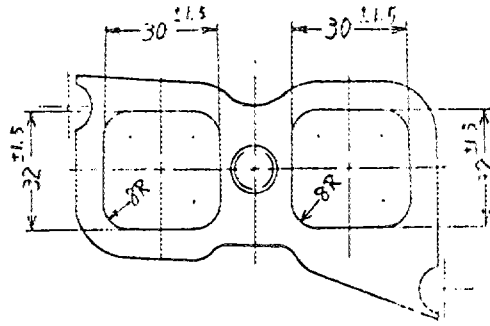


Make Toyota

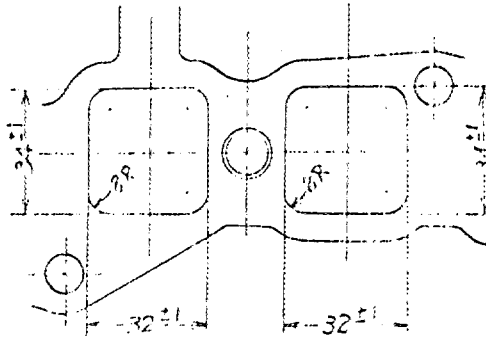
Model RT72-S

F. I. A. Rec. No.

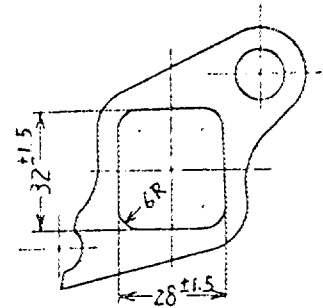
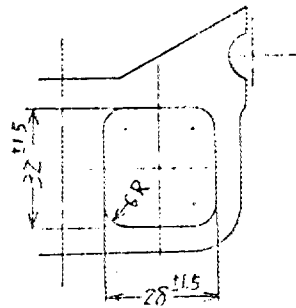
Drawing inlet manifold parts, side of cylinder-head. Indicate scale or dimensions and manufacturing tolerance.



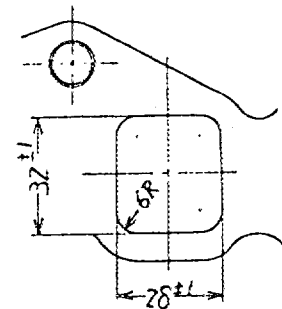
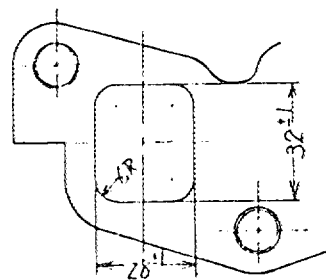
Drawing of entrance to inlet part of cylinder-head. Indicate scale or dimensions and manufacturing tolerance.



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



Drawing of exit to exhaust part of cylinder-head. Indicate scale or dimensions and manufacturing tolerance.



Unit : mm



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	$\frac{31}{18} \times \frac{34}{14}$			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, 3.90,
 Number of teeth 37/10, 39/10,



Make Toyota

Model RT72 - 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 I, 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.



Make Toyota

Model RT72 - S

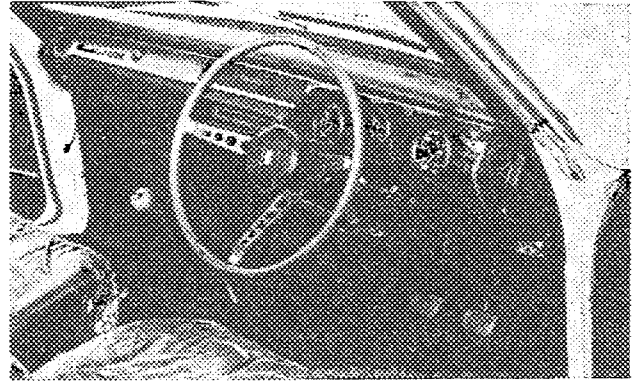
F.I.A. Rec. No.

Photograph

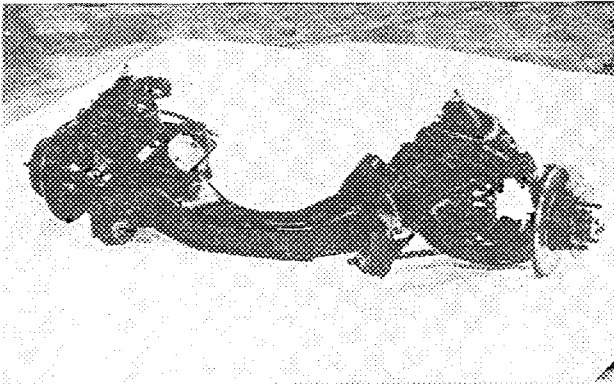
B, 3/4 view of car from rear



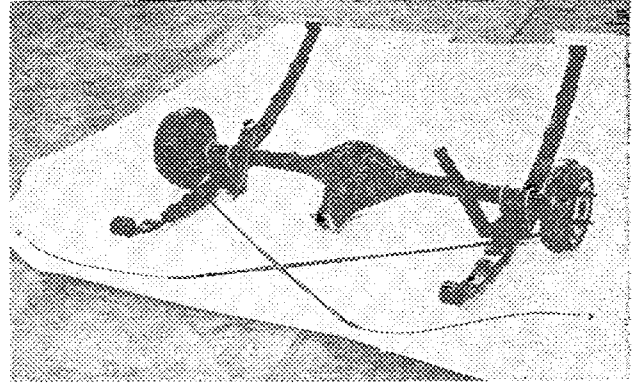
C, interior view of car through driver's door, taken from outside with dashboard



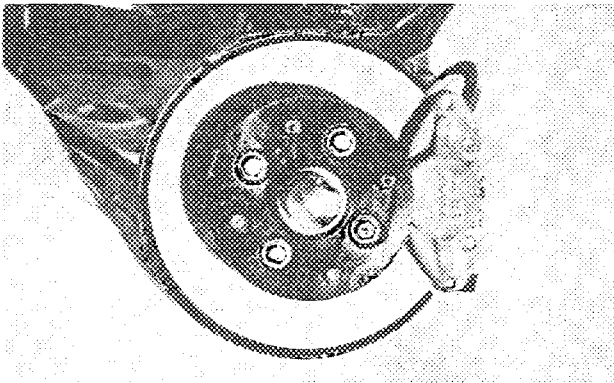
D, front axle complete, removed from car. Without wheels.



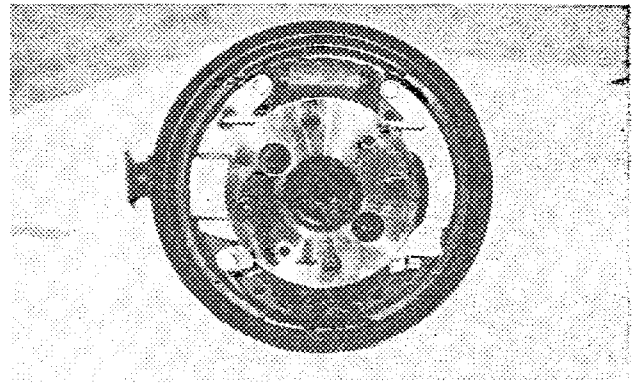
E, Rear axle complete without wheels, removed from car.



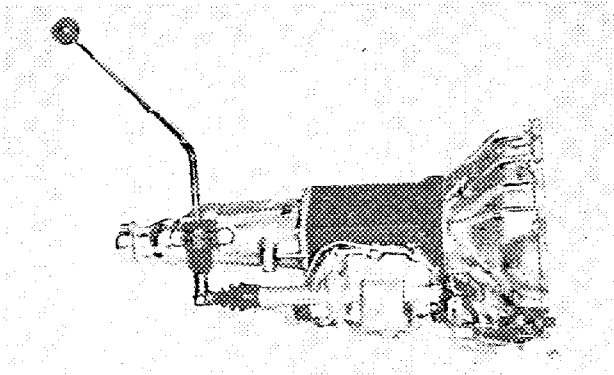
F, front brake, drum removed or disc with calipers!



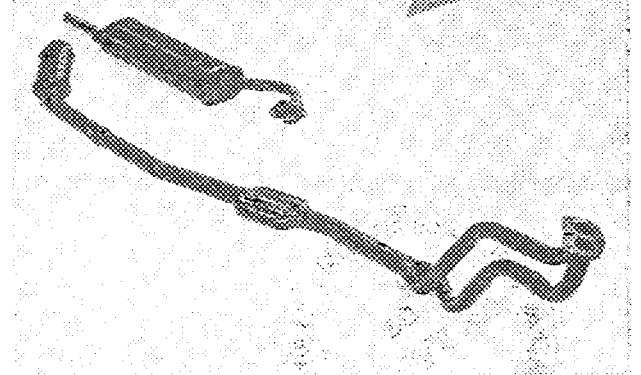
G, rear brake, drum removed or disc with calipers!



H, gear-box, view from side

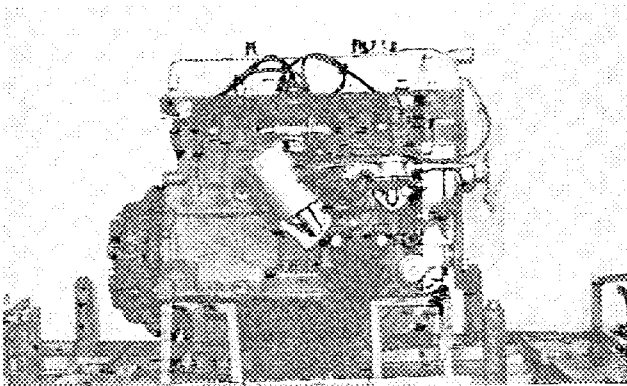


I, silencer + exhaust pipes after exhaust manifold

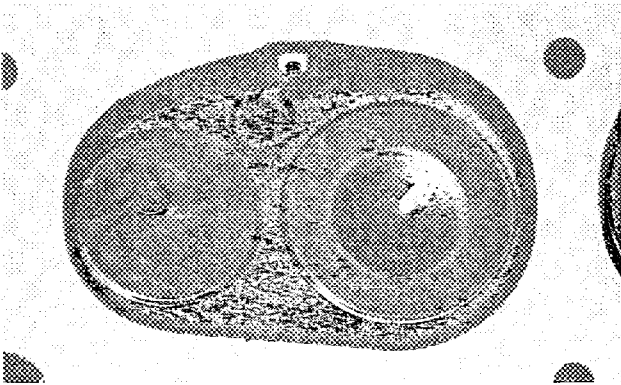


Make: Toyota

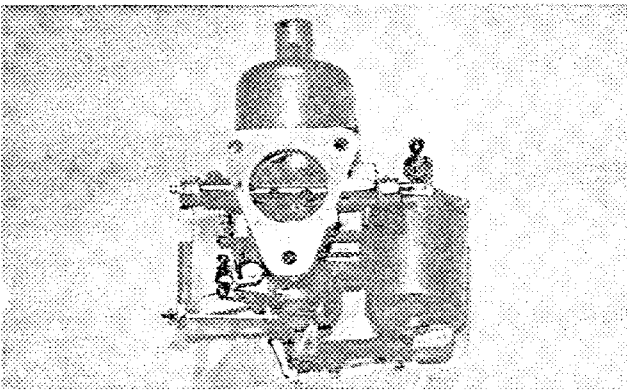
Engine unit out of car, from right. With clutch and accessories but without air filter nor gear-box.



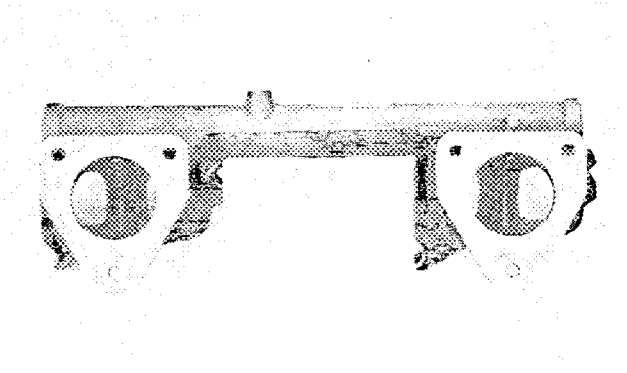
L, combustion chamber



N, Carburetor (view from side of manifold)



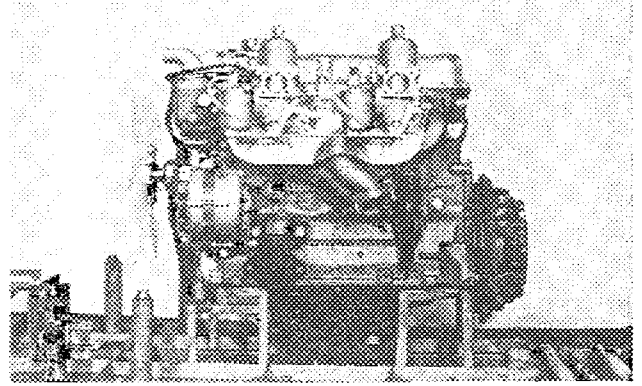
P, inlet manifold



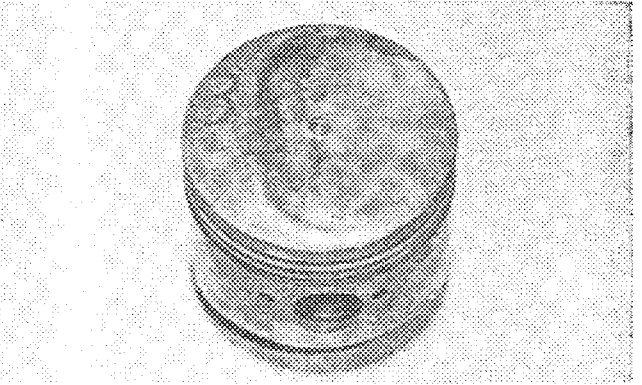
Model: RT72 - S F.I.A.

Photograph

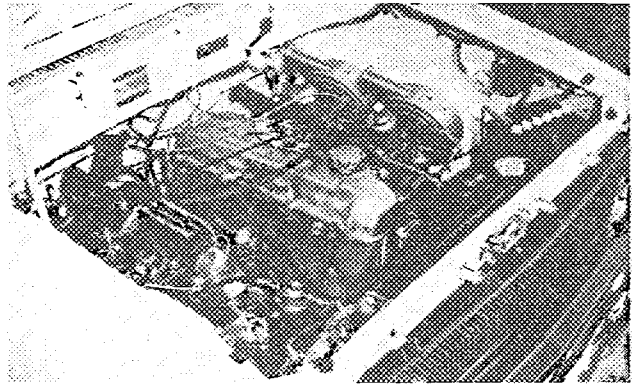
Engine unit out of car, from left. With clutch and accessories but without gear-box nor air filter.



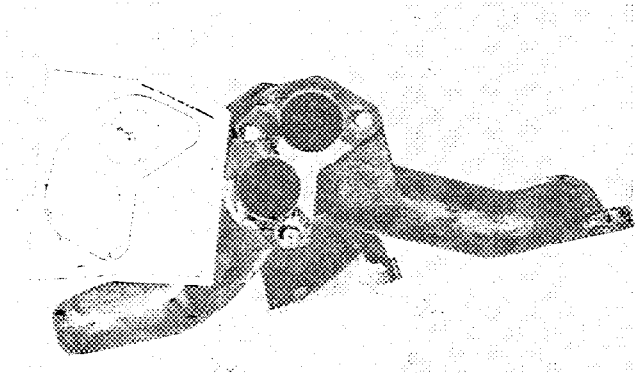
M, piston crown



O, engine in car with all accessories, bonnet open

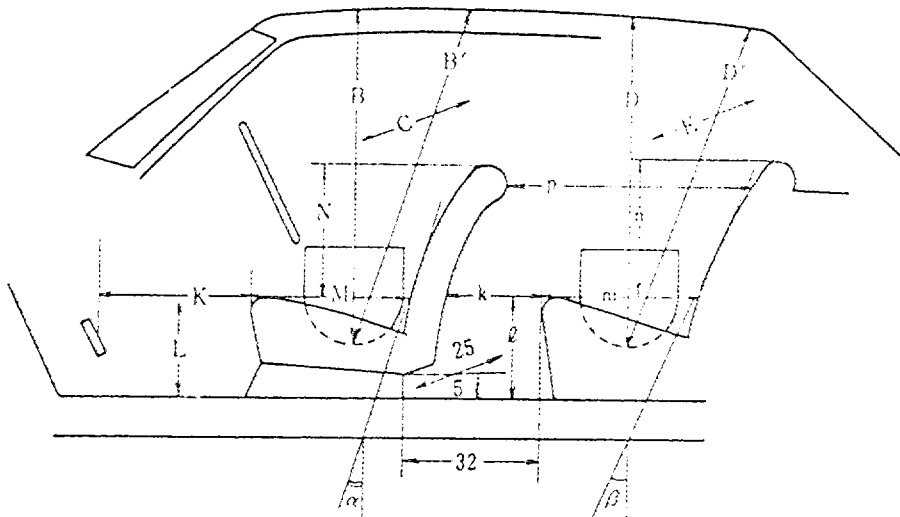


Q, exhaust manifold



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

For four seaters :



Minimum				Dimensions (cm)			
H	B'	α	C	D	D'	β	E
910	980	15°	1335	920	890	23°	1280

Minimum				Dimensions (cm)						
L	ℓ	M	m	N	n	k+m	p	k	k+l+m	K+l+M
310	315	500	455	455	425	700	830	230	1000	1205
0.9L = 279.0		0.85M = 425		0.8N = 364.0		0.8(k+m) = 560		(15)	(95)	(120)



Make Toyota

Model RT72 - S

F. I. A. Rec. No.

TWO STROKE ENGINES

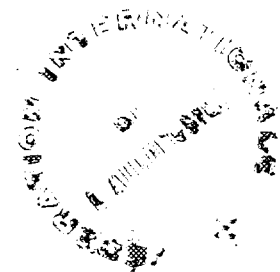
- 300. System of cylinder scavenging
- 301. Type of lubrication
- 302. Inlet ports, length measured around cylinder wall mm inches
- 303. Height inlet port mm in. 304. Area mm² sq. in.
- 305. Exhaust ports, length measured around cylinder wall mm inches
- 306. Height exhaust port mm in. 307. Area mm²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

330. Supercharging—state full details hereafter :

JAPAN AUTOMOBILE FEDERATION

難波清治

Yasuharu Nanba



NOT VALID FOR GROUP 1 ONLY



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

Original FIA Recog. No. 5288 /1/10 -G-II

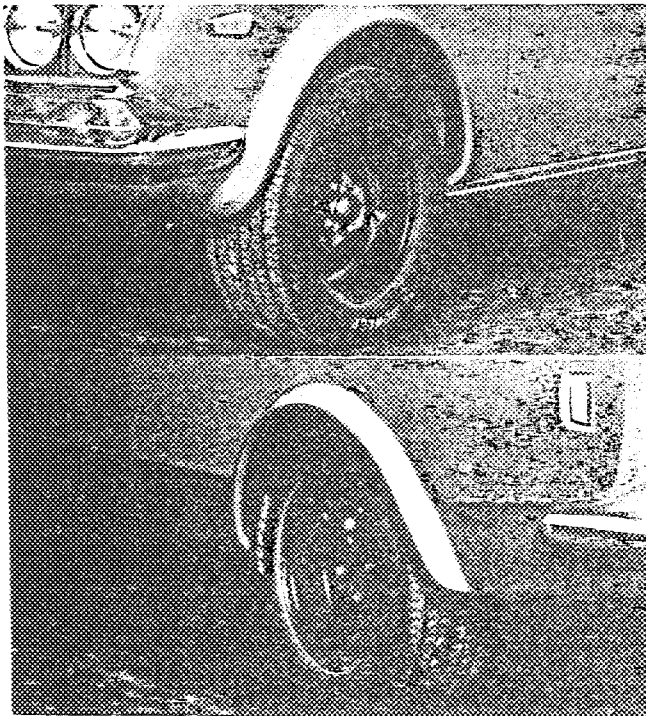
FEDERATION INTERNATIONALE DE L'AUTOMOBILE

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

Make Toyota Motor Co., Ltd. Model Corona MK-II 1900 Hardtop SL
Modification's application starts with serial No. chassis RT72-100001 engine 8R 100001 RT72-S
Application of this amendment started the 1st March, 1970
Commercial denomination after application of modifications
The modifications are to be considered as: Variant /
Date amendment is valid from 1/7/70 List 70/7

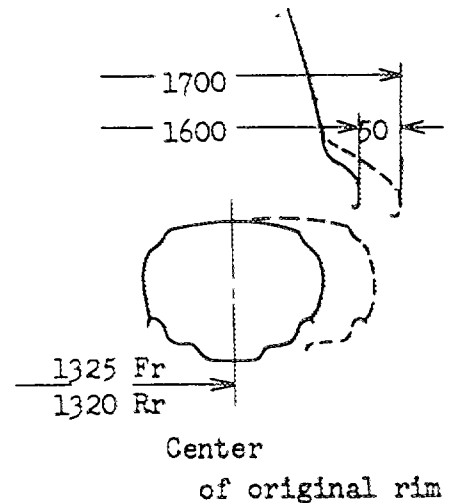
Description of amendment

Wing extensions



Front

Rear



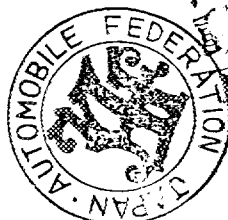
Unit : mm

Stamp and signature of National Sporting Authority

JAPAN AUTOMOBILE FEDERATION

Handwritten signature of Yasuharu Nanba

Yasuharu Nanba



Stamp and signature of F.I.A.

Handwritten signature of F.I.A.

Vertical Japanese text: 東京都港区芝公園第三号地一番五 日本自動車連盟