



JAPAN AUTOMOBILE FEDERATION

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

5323

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

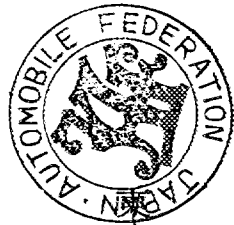
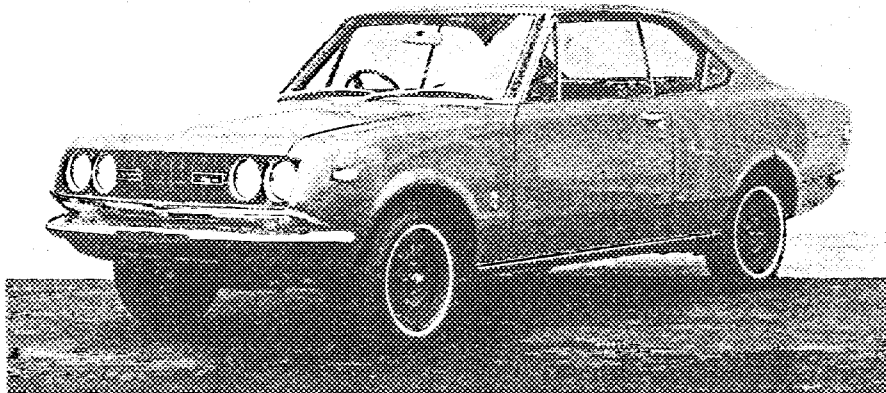
Form of recognition in accordance with
Appendix J to the International Sporting Code.

Manufacturer **Toyota Motor Co., Ltd.**
Serial No. of chassis **RT72 100001**
Serial No. of engine **8R 100001**
Recognition is valid from **1/1/70**

Cylinder-capacity **1858** cm³ **113.3** cu. in.
Model **Corona Mark II 1900 Hardtop RT72-K**
Manufacturer **Toyota Motor Co., Ltd.**
Manufacturer **Toyota Motor Co., Ltd.**
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 **March 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 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.



[Handwritten signature]

Make **Toyota**

Model **RT72-K**

5323

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

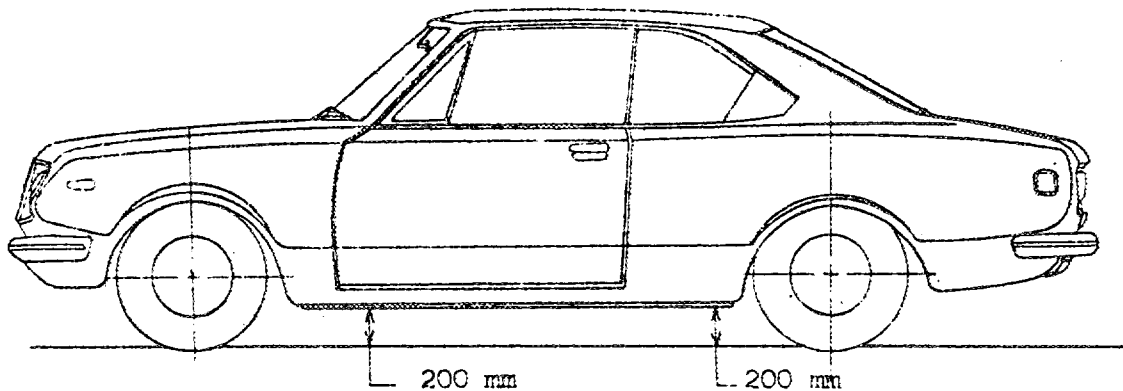
CAPACITIES AND DIMENSIONS

1. 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	139.5	cm		inches
7. Capacity of fuel tank (reserve included):	52			l. lrs
	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	930	kg	2046	lbs

* Difference 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	lrs
1. foot / pied	30.4794	cm	1. pint (pt)	0.568	lrs
1. square inch / pouce carré	6.452	cm ²	1. gallon imp.	4.546	lrs
1. cubic inch / pouce cube	16.387	cm ³	1. gallon US	3.785	lrs
1. pound / livre (lb)	453.593	gr.	1. hundred weight (cwt)	50.802	kg

Make Toyota

Model RT72-K

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CHASSIS AND COACHWORK (Photographs A, B and C)

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



Make Toyota

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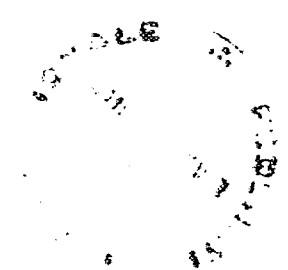
SUSPENSION

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 wheelcylinder (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.	194 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

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ENGINE (photographs J and K)

- | | | | | | |
|---|--------------------------------|------------------------------|--------------------|-----------|----------|
| 130. Cycle | 4 | 131. Number of cylinders | 4 | | |
| 132. Cylinder arrangement | In line | | | | |
| 133. <u>Bore</u> | 86 mm | 3.38 in. | 134. <u>Stroke</u> | 80 mm | 3.15 in. |
| 135. <u>Capacity per cylinder</u> | 464.5 | cm ³ | 28.3 | cu. in. | |
| 136. <u>Total cylinder-capacity</u> | 1858 | cm ³ | 113.3 | 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 | 9.0 | | | | |
| 143. Volume of one combustion chamber | 58 | cm ³ | 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 | raised / stamped | 148. Type of crankshaft | integral / xxxxx | | |
| 149. Number of crankshaft main bearings | 5 | | | | |
| 150. Material of bearing cap | Cast iron | | | | |
| 151. System of lubrication | xxxxx / oil in sump | | | | |
| 152. Capacity, lubricant | 4.1 | litrs | pts | quarts US | |
| 153. Oil cooler | xxx / no | | | | |
| 155. Capacity of cooling system | 7.4 | litrs | pints | quarts US | |
| 156. Cooling fan (if fitted), dia. | 36 | cm | inches | | |
| 157. Number of blades of cooling fan | 4 | | | | |

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 turning parts) | 16.6 | 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 |



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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 211. Type Down draught
 212. Make Aisan, Nihonkikaki 213. Model 8R
 214. Number of mixture passages per carburetor 2
 215. Flange hole diameter of exit port(s) of carburetor $34^{\phi} + 36^{\phi}$ mm in.
 216. Minimum dimensions of mixture passage (s) ~~XXXXXXXXXXXXXXXXXXXXXXXXXXXX~~
 $26^{\phi} + 27^{\phi}$ 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 Toyota

Model RT72-K

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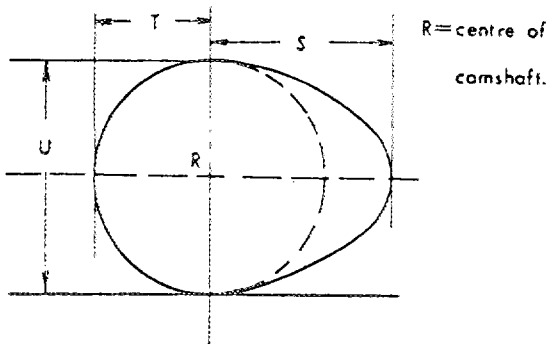
ENGINE ACCESSORIES

- | | | | | |
|--|--------------|-------------------|--------------------------------------|--------|
| 230. Fuel pump | mechanical | XXXXXX | 231. No. fitted | 1 |
| 232. Type of ignition system | Make & break | | | |
| 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 | 5500 | rpm |
| 251. Maximum rpm | 6100 | output at that figure | | 95PS | |
| 252. Maximum torque | 15.0 kg-m | at | 3800 | rpm | |
| 253. Maximum speed of the car | 165 | km/hour | | | miles / hour |

255.



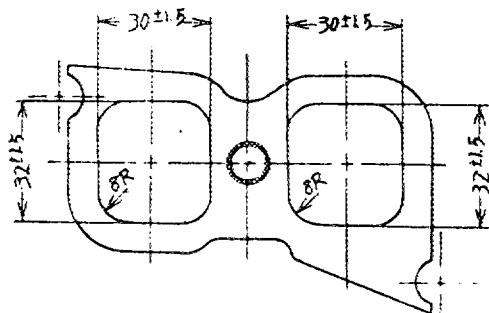
<u>Inlet cam</u>					
S =	26.1	mm	1.023	inches	
T =	18.0	mm	0.709	inches	
U =	36.0	mm	1.417	inches	
<u>Exhaust cam</u>					
S =	26.2	mm	1.032	inches	
T =	18.0	mm	0.709	inches	
U =	36.1	mm	1.421	inches	



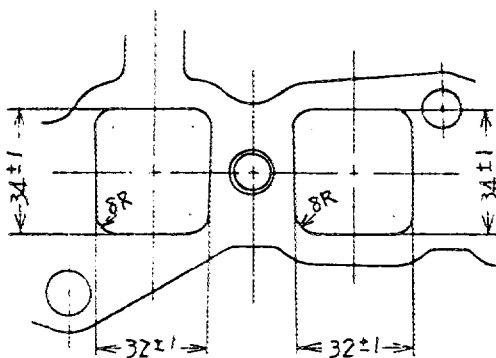
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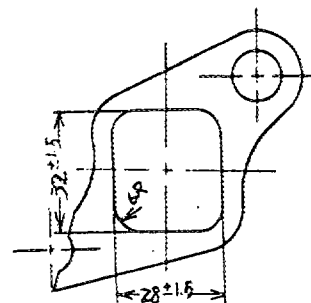
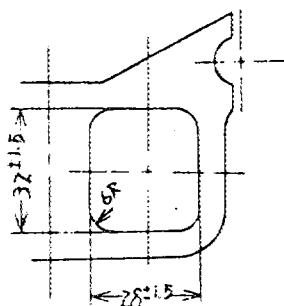
Drawing inlet manifold ports, side of cylinder-head. Indicate scale or dimensions and manufacturing tolerance



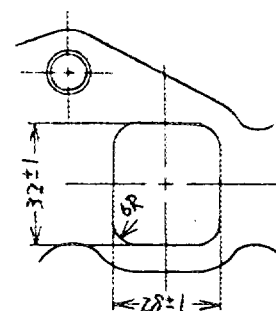
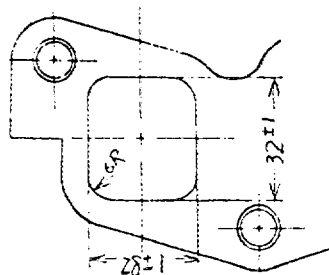
Drawing of entrance to inlet port of cylinder-head. Indicate scale or dimensions and manufacturing tolerance



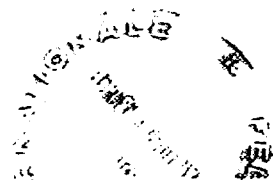
Drawing exhaust manifold ports, side of cylinder-head. Indicate scale or dimensions and manufacturing tolerance.



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



Unit : mm



Make Toyota

Model RT72-K

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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
- 264. Method of operating clutch Hydraulic

GEAR BOX (photograph H)

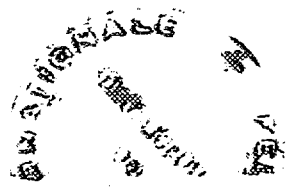
- 270 Manual type, make Toyota Method of operation Mechanical
- 271 No. of gear-box ratios forward 4 272. Synchronized forward ratios 1,2,3 & 4
- 273 location of gear-shift Floor
- 274 Automatic make type
- 275 No. of forward ratios 276. location of gear-shift

277	Manual			Automatic			Alternative manual/automatic		
	Ratio	No.	teeth	Ratio	No.	teeth	Ratio	No.	teeth
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, ~~3.70~~, 4.111, ~~4.275~~
Number of teeth 37/10, ~~37/10~~, 37/9, ~~35/8~~



Make Toyota

Model RT72-K

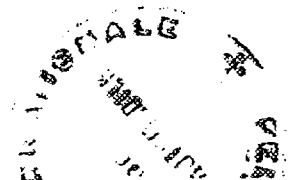
F.I.A. Rec No 5323

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 - GRII 3.90 (39/10)
4.375 (35/8)



Make Toyota

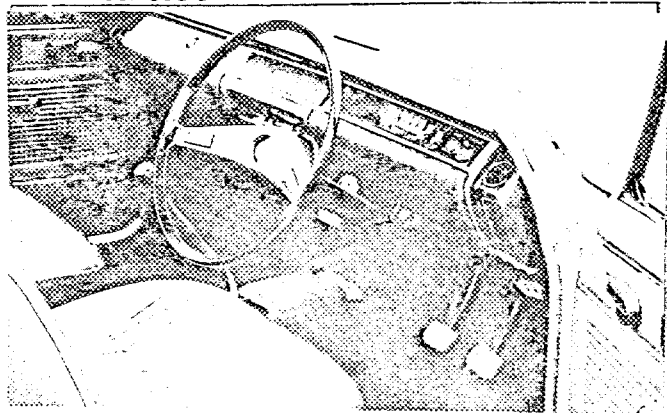
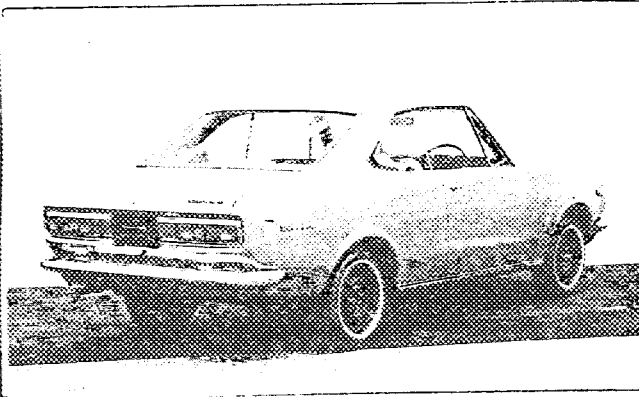
Model RT72-K

F. I. A. Rec. No

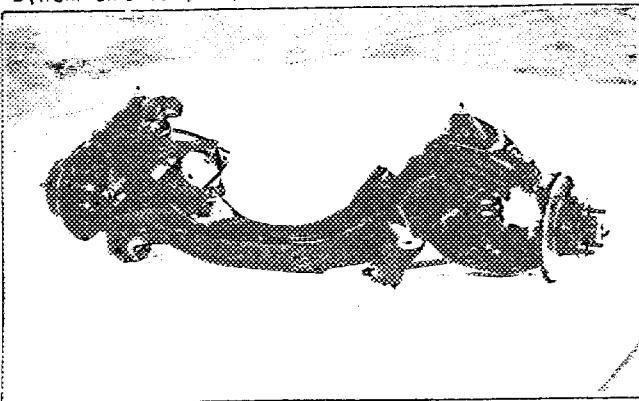
Photograph

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

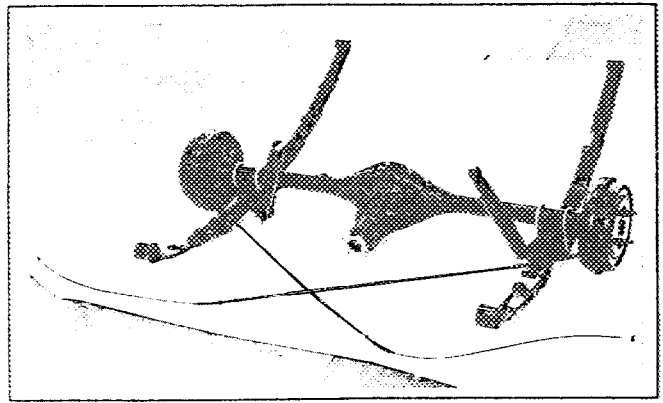
B, 3/4 view of car from rear



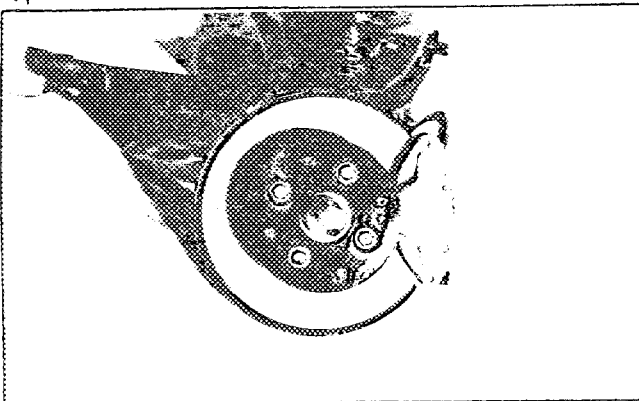
D, front axle complete, removed from car. Without wheels.



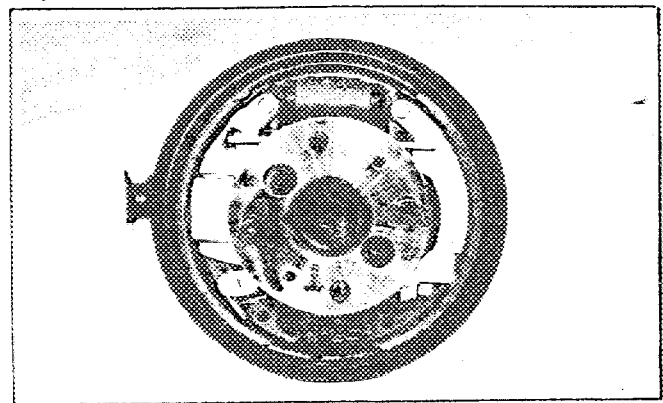
E, Rear axle complete without wheels, removed from car.



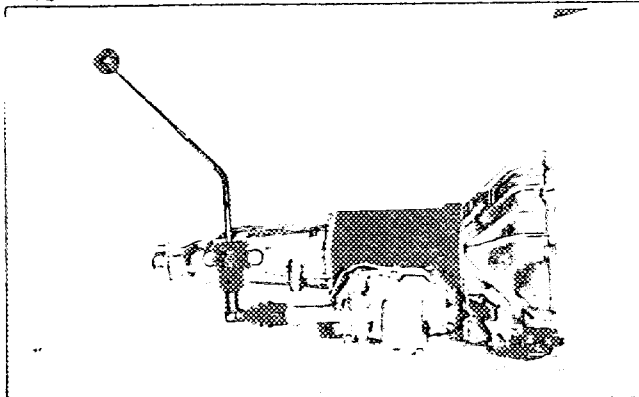
F, front brake, drum removed or disc with caliper(s)



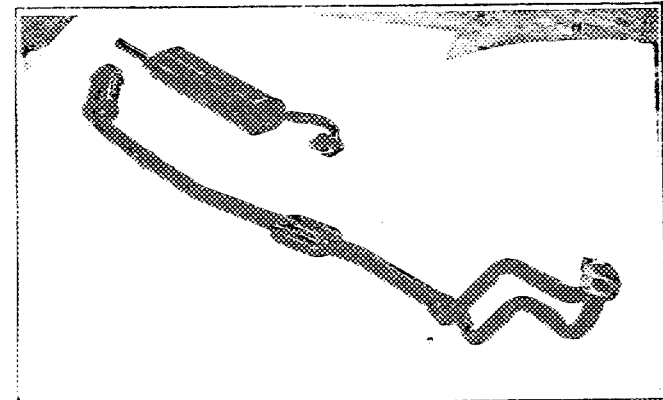
G, rear brake, drum removed or disc with caliper(s)



H, gear-box, view from side



I, silencer + exhaust pipes after exhaust manifold.



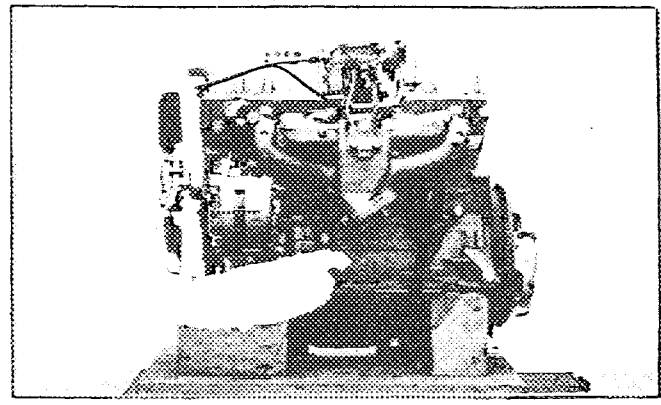
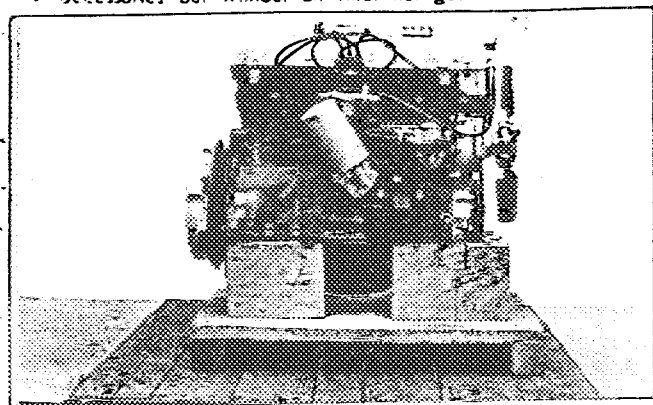
Make Toyota

Model RT72-K

F.I.A. Rec. No

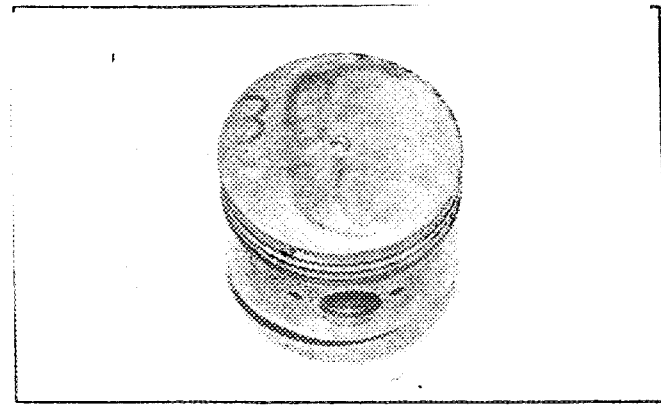
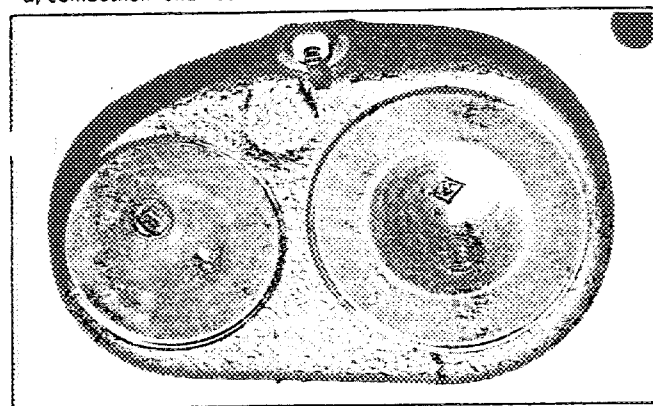
engine unit out of car, from right. With clutch and accessories but without air filter nor gear-box.

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



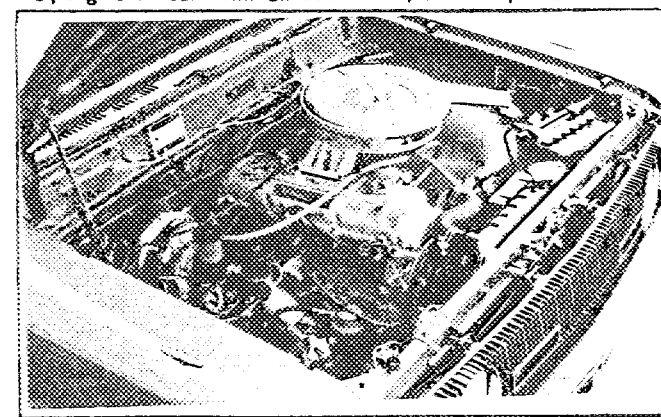
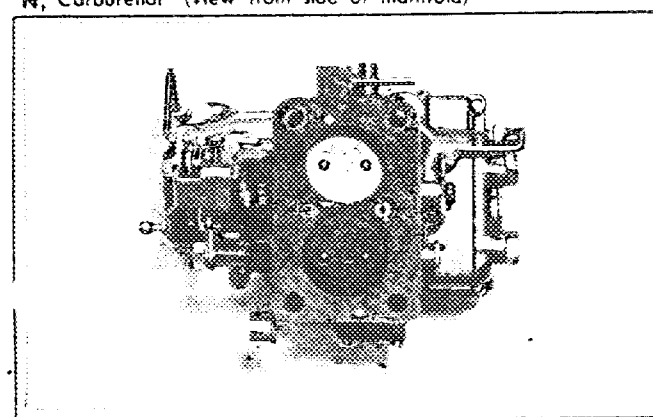
L, combustion chamber

M, piston crown



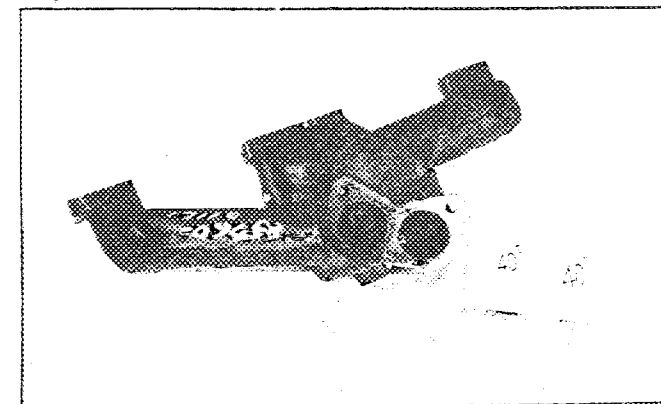
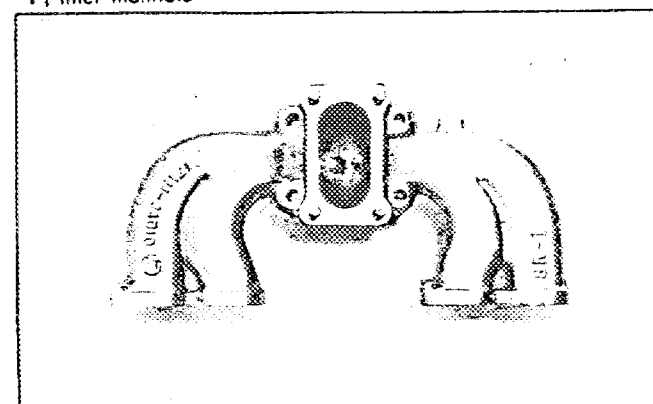
N, Carburettor (view from side of manifold)

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



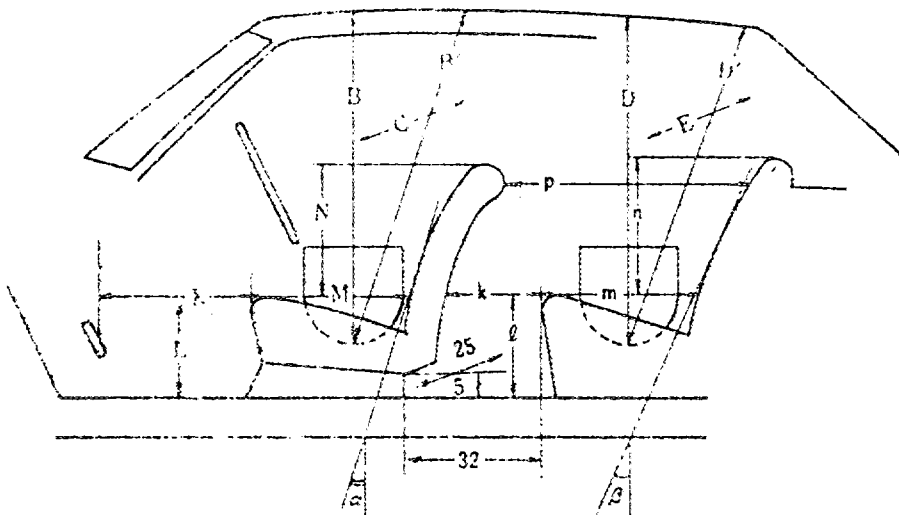
P, inlet manifold

Q, exhaust manifold



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

For four seaters :



Minimum Dimensions (cm)							
B	B'	α	C	D	D'	β	E
92	98	15°	132.5	92	89	23°	128

Minimum Dimensions (cm)										
L	l	M	m	N	n	k+m	p	k	k+l+m	K+L+N
31	31.5	50	45.5	45.5	42.5	70	83	23	100	120.5
0.9L = 27.9		0.85M = 42.5		0.8N = 36.4		0.8(k+m) = 56		(15)	(95)	(120)



Make Toyota

Model RT72-K

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

Kazunari Komotori



NOT VALID FOR GROUP 1 ONLY



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

Original FIA Recog. No. 5323 /1/15 Gr 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, RT72-K

Modification's application starts with serial No.

chassis RT72-100001 engine 8R 100001

Application of this amendment started the 1st March, 1970

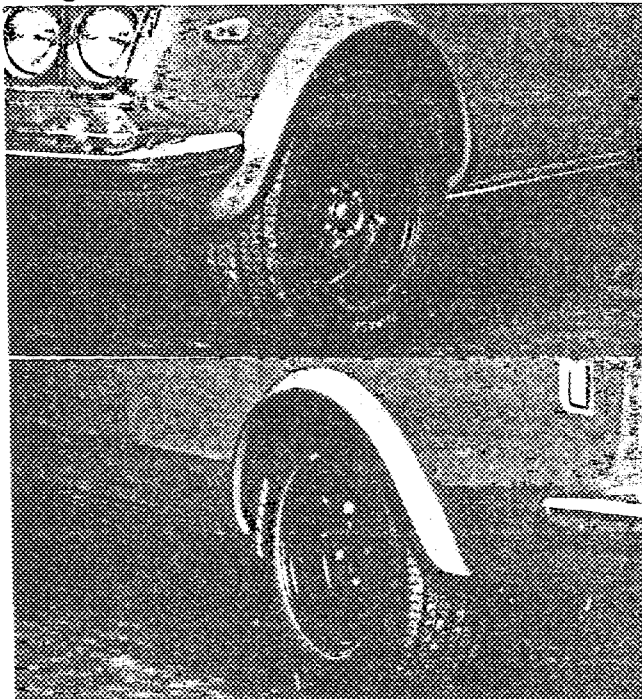
Commercial denomination after application of modifications

The modifications are to be considered as: Variant / normal evolution of the type

Date amendment is valid from 1/7/70 List 7017

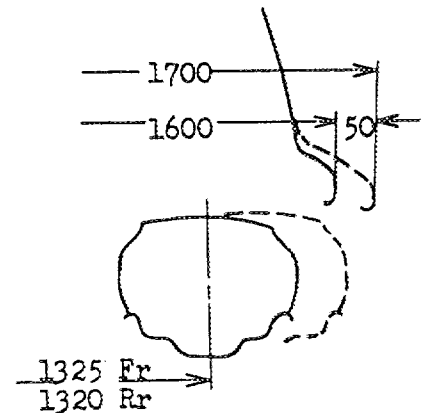
Description of amendment

Wing extensions



Front

Rear



Center of original rim

Unit : mm

Stamp and signature of National Sporting Authority

JAPAN AUTOMOBILE FEDERATION

Handwritten signature of Yasuharu Nanba

Yasuharu Nanba



Vertical Japanese text: 法人団 日本自動車連盟

Vertical Japanese text: 東京都港区芝公園第三号地一番五

Vertical Japanese text: 櫻木振興会館内

Stamp and signature of F. I. A.

