



# JAPAN AUTOMOBILE FEDERATION

F. I. A. Recognition No. **5322**  
Group **- 1 -**

## FEDERATION INTERNATIONALE DE L'AUTOMOBILE

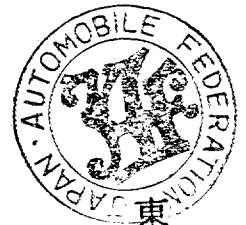
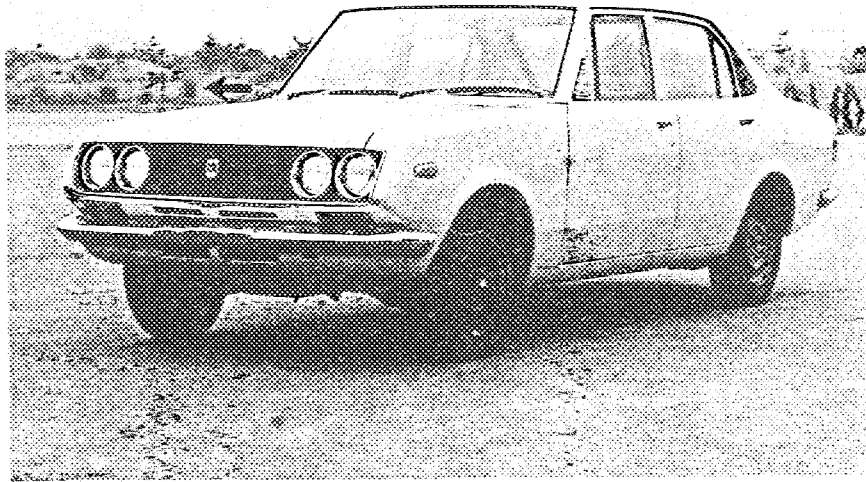
Form of recognition in accordance with  
Appendix J to the International Sporting Code.

Manufacturer **Toyota Motor Co., Ltd.**  
Serial No of chassis **RT62 100001**  
engine **8R 100001**  
Recognition is valid from **1/1/70**

Cylinder-capacity **1858** cm3 **113.3** cu. in.  
Model **Corona Mark II 1900 RT62-K**  
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 **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 日本自動車連盟

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

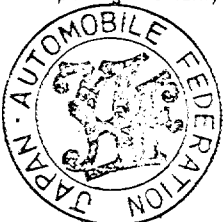
Variants

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

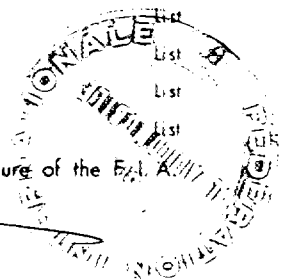
Normal evolution of the type

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 **RT62-K**

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.

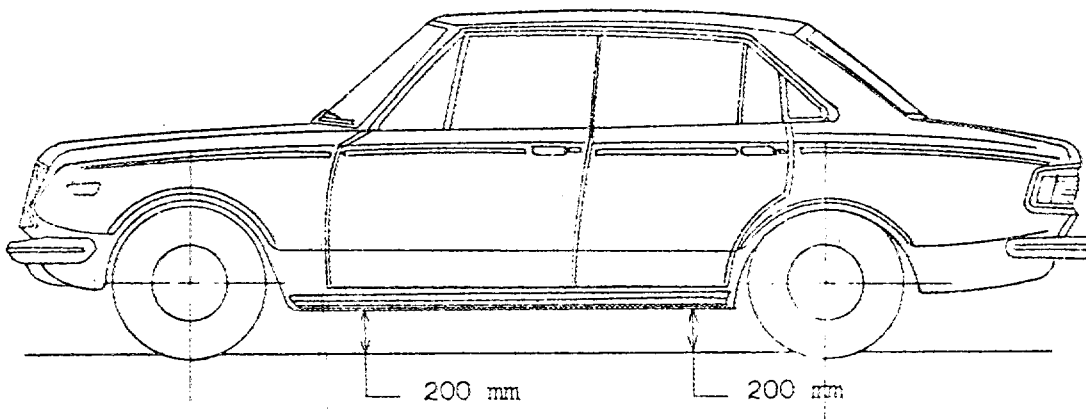
**CAPACITIES AND DIMENSIONS**

1. <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	160.5		cm	inches
6. Overall height of the car	140.5		cm	inches
7. <u>Capacity of fuel tank (reserve included)</u>	52			liters
	13.7	Gallon US		Gallon Imp
8. Seating capacity				
9. <u>Weight, total weight of the car with normal equipment, water, oil and spare wheel but without fuel nor repair tools</u>	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.

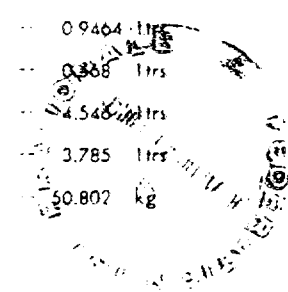
Specify ground clearance in relation to the track and give drawing of two fixed points of the vehicle's structure at which measurements are taken.

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 liters
1 foot / pied	30.4794 cm	1 pint (pt)	0.473173 liters
1 square inch / pouce carré	6.452 cm <sup>2</sup>	1 gallon imp.	4.54609 liters
1 cubic inch / pouce cube	16.387 cm <sup>3</sup>	1 gallon US	3.785 liters
1 pound / livre (lb)	453.593 gr.	1 hundred weight (cwt)	50.802 kg



Make Toyota

Model RT62-K

F.I.A. Rec. No.

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

- 20. Chassis/body construction : ~~separate~~ / unitary construction
- 21. Unitary construction, material (s) 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 : ~~yes~~ - no
- 39. Air-conditioning : ~~XXXX~~ - no
- 40. Ventilation : yes - ~~XXXX~~
- 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 <sup>kg</sup> 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
- 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 : ~~XXXX~~ - no
- 62. Number of turns of steering wheel from lock to lock 3 3/4
- 63. In case of servo-assistance



Make Toyota

Model RT62-K

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	in.	20.64	mm	in.
<b>Drum brakes</b>						
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						
99. Total area per brake		mm <sup>2</sup>	sq. in.	194 x 10 <sup>2</sup>	mm <sup>2</sup>	sq. in.
<b>Disc brakes</b>						
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						
5. Total area per brake	56 x 10 <sup>2</sup>	mm <sup>2</sup>	sq. in.		mm <sup>2</sup>	sq. in.



Make Toyota

Model RT62-K

F.I.A. Rec. No.

**ENGINE** (photographs J and K)

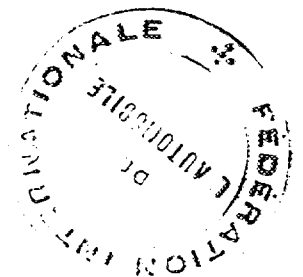
130. Cycle	4	131. Number of cylinders	4
132. Cylinder arrangement	In line		
133. Bore	86 mm	134. Stroke	80 mm
	3.38 in.		3.15 in.
135. Capacity per cylinder	464.5		28.3 cu. in.
136. Total cylinder-capacity	1858		113.3 cu. in.
137. Material (s) of cylinder block	Cast iron		
138. Material (s) of sleeves (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 <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>xxxx</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>yes</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	4		

**Bearings**

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

**Weights**

160. Flywheel (clean)	10.6 kg	lbs		
161. Flywheel with clutch (all turning parts)		16.6 kg		lbs
162. Crankshaft	17.7 kg			
163. Connecting rod		0.84 kg		lbs
164. Piston with rings and pin	0.55 kg		lbs	





Make Toyota

Model RT62-K

F. I. A. Rec. No.

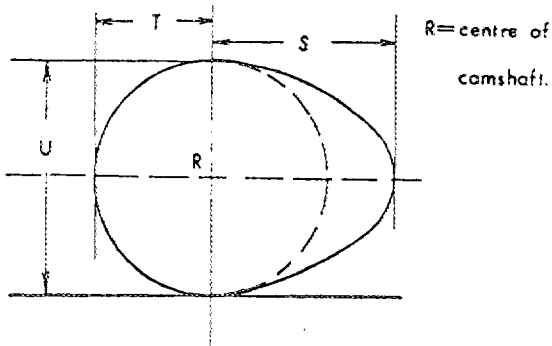
ENGINE ACCESSORIES

230. Fuel pump : mechanical and / <del>or electric</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 *	5500 rpm
251. Maximum rpm	6100 output at that figure	95 PS
252. Maximum torque	15.0 kg-m at 3800 rpm	
253. Maximum speed of the car	165 km / hour	miles / hour

255.

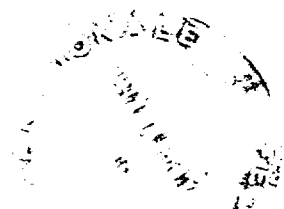


Inlet cam

S =	26.1	mm	1.023	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

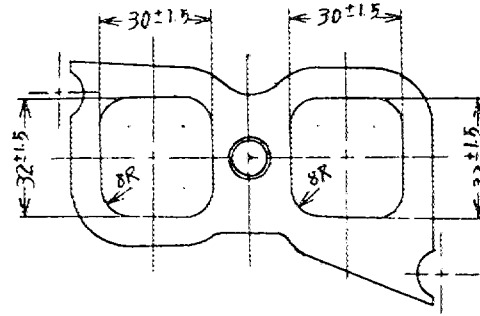
Toyota

Model

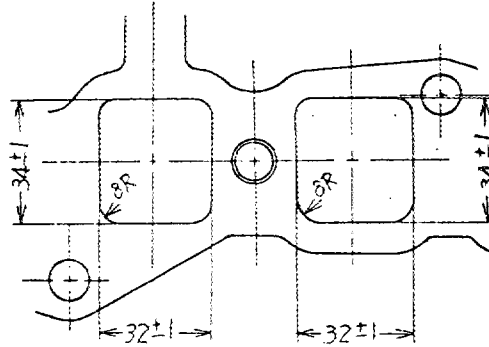
RT62-K

F.L.A. Rev. 1/66

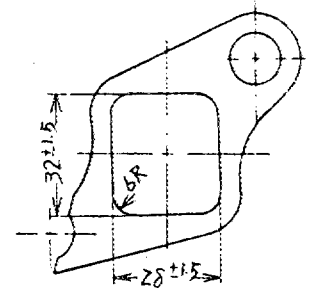
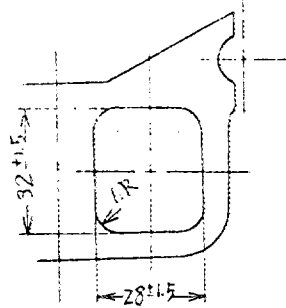
Drawing inlet manifold ports, side of cylinder-head. Indicate scale or dimensions and manufacturing tolerance.



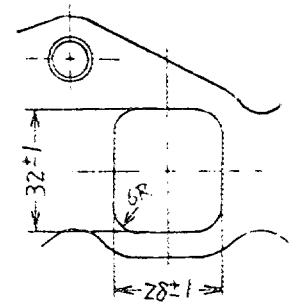
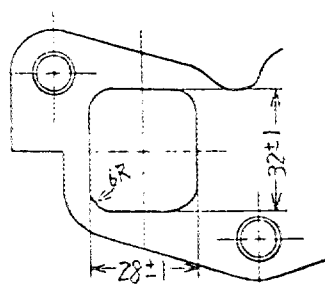
Drawing of entrance to inlet part of cylinder-head. Indicate scale or dimensions and manufacturing tolerance.



Drawing exhaust manifold 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 RT62-K

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)

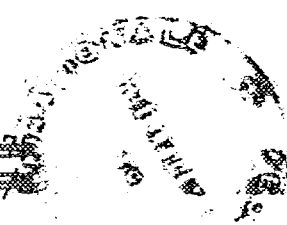
- 270. Manual type, make Toyota Method of operation Mechanical
- 271. No. of gear-box ratios forward 4
- 272. Synchronized forward ratios 1, 2, 3 & 4
- 273. Location of gear-shift Floor
- 274. Automatic, make type
- 275. No. of forward ratios
- 276. Location of gear-shift

277.	Manual		Automatic		Alternative manual/ <del>XXXXXX</del>		<del>XXXXXX</del>	
	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~~, 4.111, ~~4.226~~
- Number of teeth 37/10, ~~37/10~~, 37/9, ~~37/9~~



Make Toyota

Model RT62-K

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.

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

Make Toyota

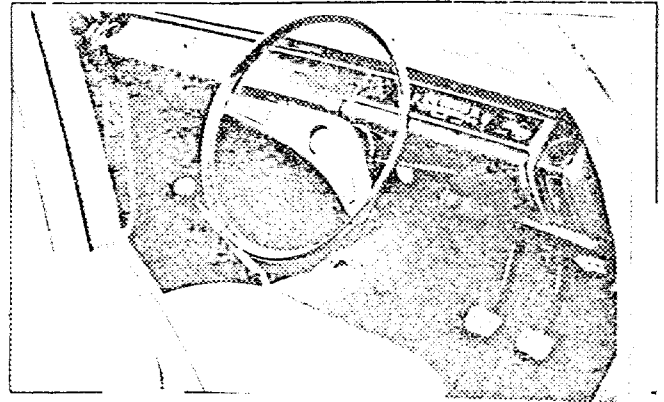
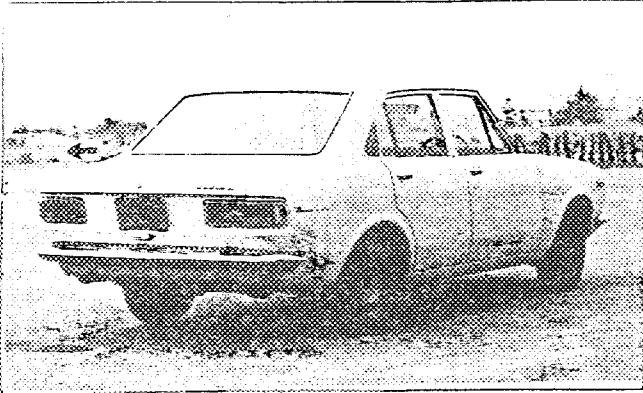
Model RT62-K

F.I.A. Rec. No

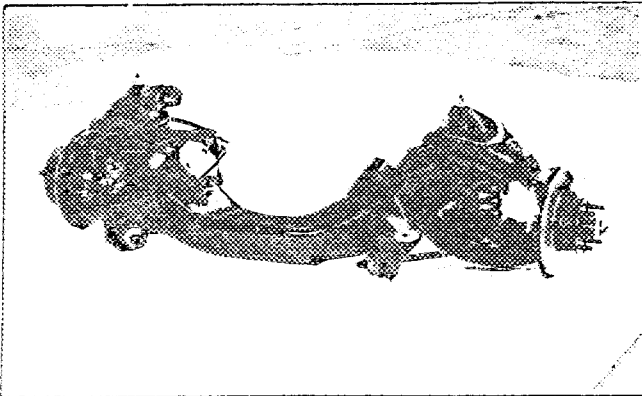
Photograph

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

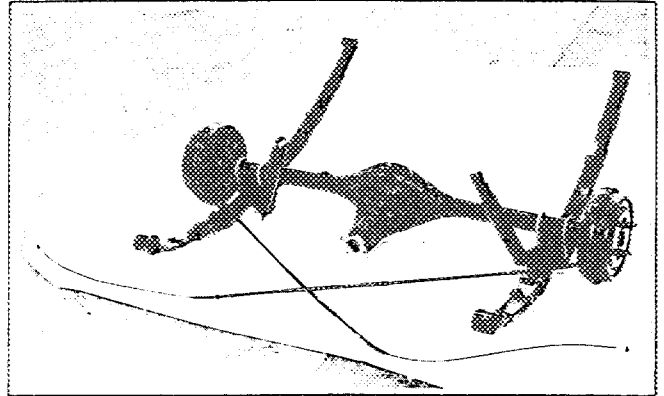
B, 3/4 view of car from rear



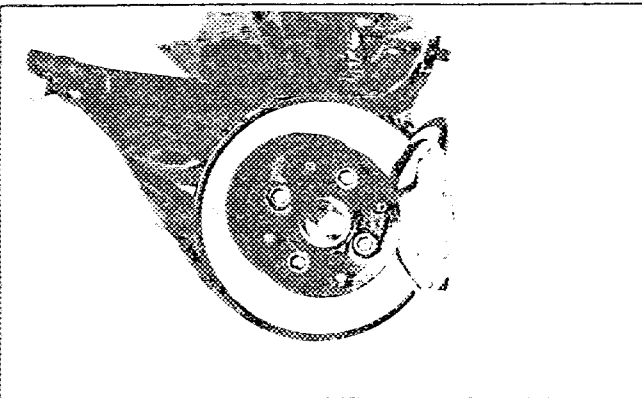
D, front axle complete, removed from car. Without wheels.



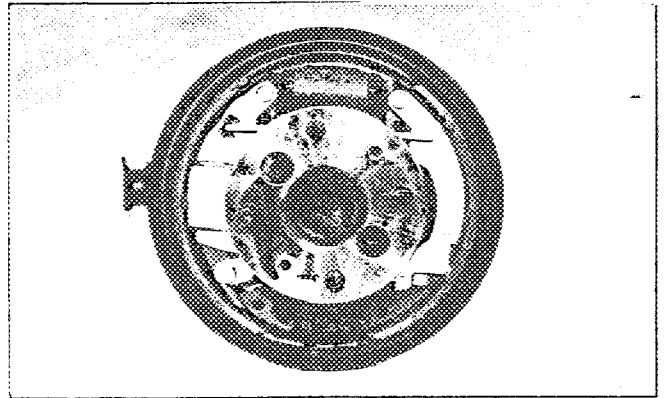
E, Rear axle complete without wheels, removed from car.



F, front brake, drum removed or disc with calipers



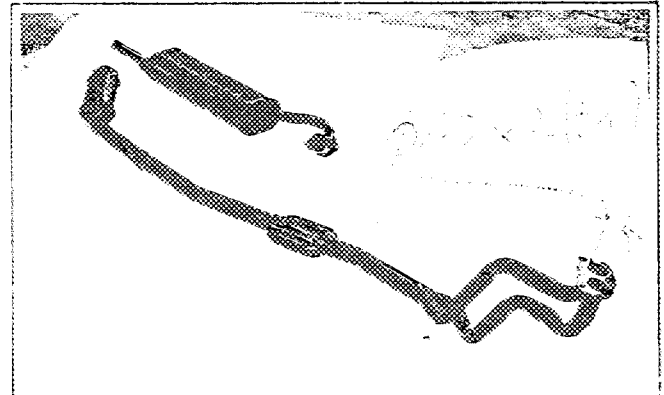
G, rear brake, drum removed or disc with calipers



H, gear-box, view from side

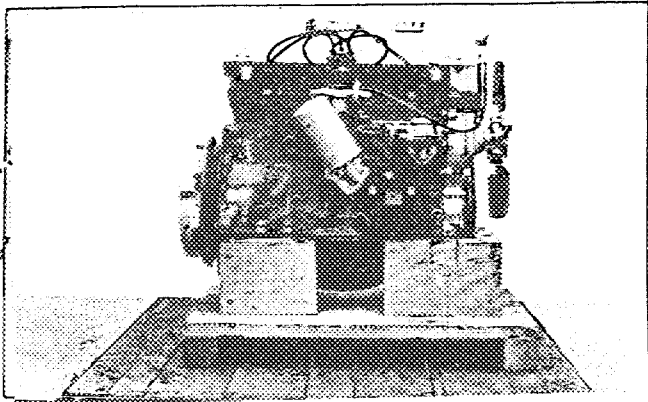


I, silencer + exhaust pipes after exhaust manifold.

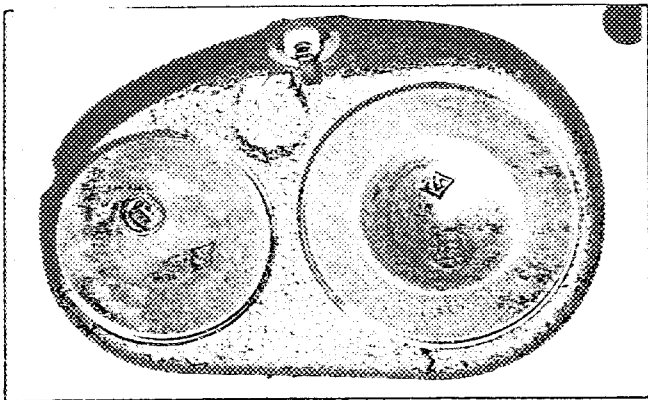


Make Toyota

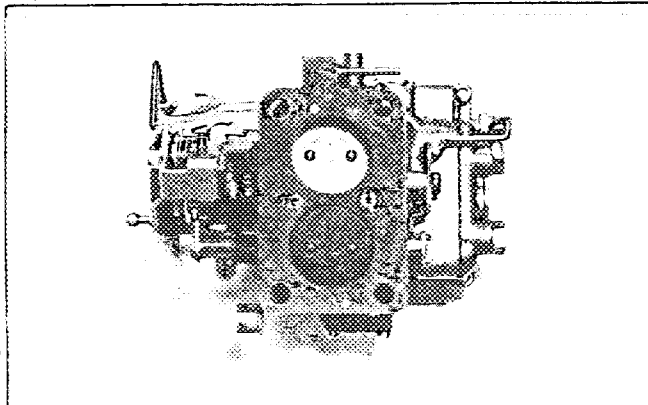
engine unit out of car, from right. With clutch and accessories but without air filter nor gear-box.



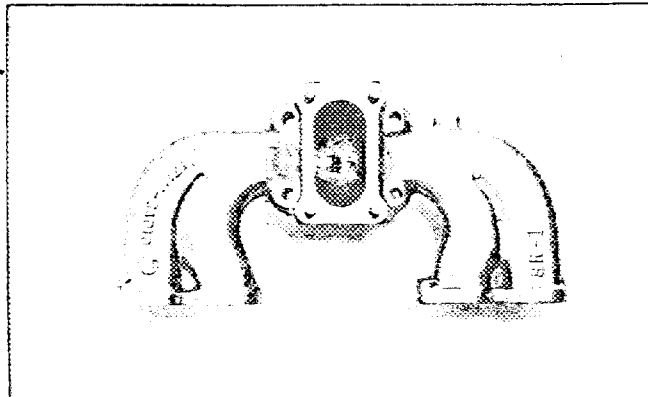
L, combustion chamber



N, Carburettor (view from side of manifold)



P, inlet manifold

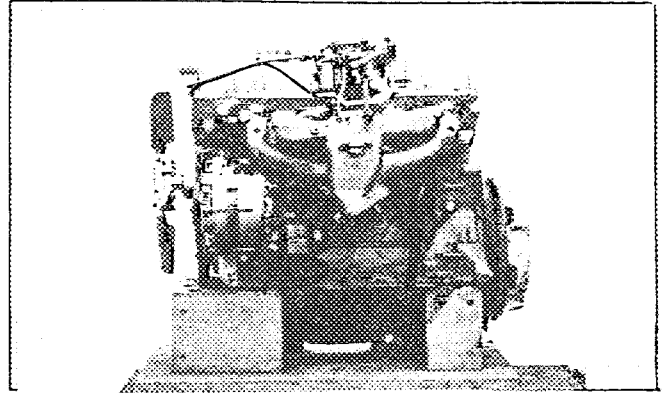


Photograph

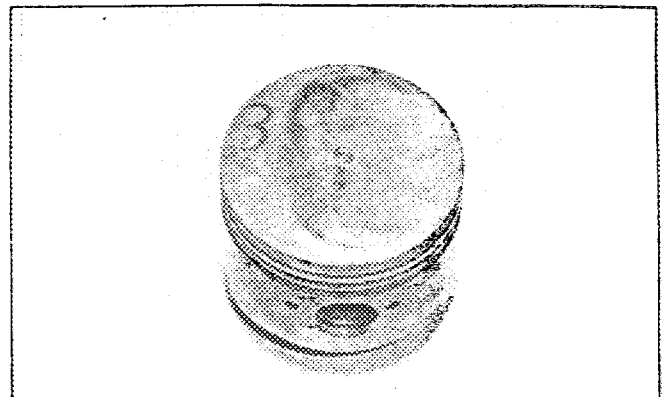
Model RT62-K

F. I. A. Rec. No

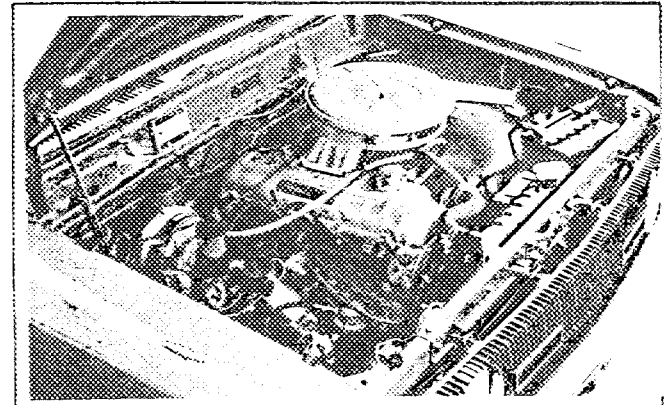
Engine unit out of car, from left. With clutch and accessories but without gear-box nor air filter.



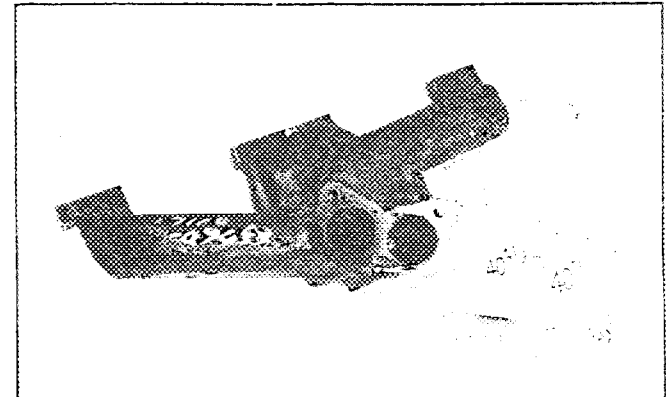
M, piston crown



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

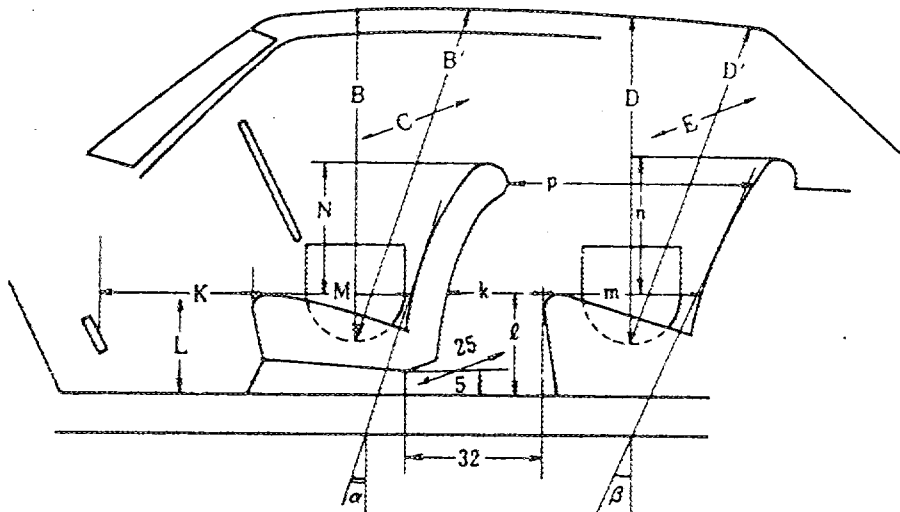


Q, exhaust manifold



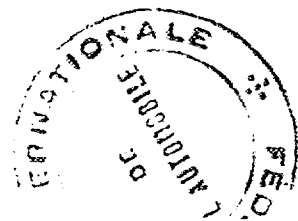
**DIMENSIONS OF INTERIOR**  
(Conform to Art 253 b of Appendix J)

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 RT62-K

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 :

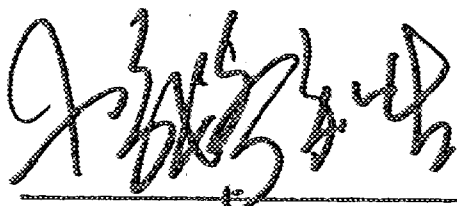
mm

inches

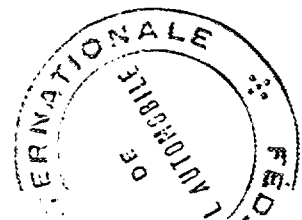
321. Drawing of cylinder ports.

330. Supercharging—state full details hereafter :

JAPAN AUTOMOBILE FEDERATION



Kazunari Komotori





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

5322  
1115

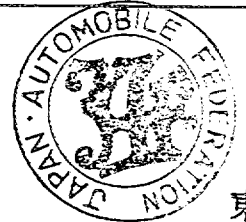
FEDERATION INTERNATIONALE DE L'AUTOMOBILE

Amendment to Form of Recognition Original F.I.A. Recog.  
in accordance with the International No 5322  
Sporting Code.

Make Toyota Motor Co., Ltd. Model Toyota Corona MarkII 1900.  
Modification's application starts with serial No. chassis RT62 - 100001  
engine 8R 100001 RT62 - K  
Application of this amendment started the 1st February, 1970  
Commercial denomination after application of modifications Toyota Corona MarkII GSL. RT62 - S  
The modifications are to be considered as: Variant / ~~XXXXXXXXXXXX~~  
Date amendment is valid from 1/10/70 list 70/10

Description of amendment

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

Further detailed specifications are described on the attached sheets.

Stamp and signature of  
National Sporting Authority

Stamp and signature of F.I.A.

JAPAN AUTOMOBILE FEDERATION

Yasuharu Nanba

Make Toyota

Model RT62-S

5322  
1115

ENGINE (photographs J and K )

142. Compression ratio 10.2  
143. Volume of one combustion chamber 50.3 cm<sup>3</sup>

Weights

161. Flywheel with clutch (all turning ports) 15.3 kg.

INLET (see page 3)

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  $60^{\circ} \pm 7^{\circ}$

EXHAUST (see page 3 )

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 carburettors fitted. 2

211. Type Side draught (SU)

212. Make Aisan

213. Model 8R-B

214. Number of mixture passage per carbarettor 1



Make Toyota

Model RT62 - S

5322  
1115

215. Flange hole diameter of exit port(s) of carburettor 44mm

216. Minimum dimensions of mixture pasage(s) with piston at max.  
height (example : SU ) 32mm

ENGINE AND CAR PERFORMANCES(as declared by manufacturer in catalogue)

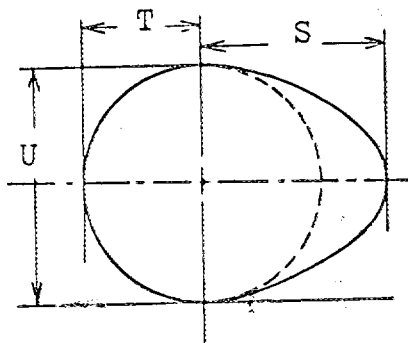
250. Maximum engine output 115ps(type of horsepower : JIS ) at 6000 rpm

251. Maximum rpm 6500 output at that figure 105 ps

252. Maximum toque 15.5 Kg - m at 4000 rpm

253. Maximum speed of the car 175 Km/hour

255.



R= center of camshaft.

Inlet cam	
S= 26.0 mm	1.024 inches
T= 18.0 mm	0.709 inches
U= 36.0 mm	1.417 inches

Exhaust cam	
S= 26.1 mm	1.028 inches
T= 18.0 mm	0.709 inches
U= 36.1 mm	1.421 inches

DRIVE TRAIN

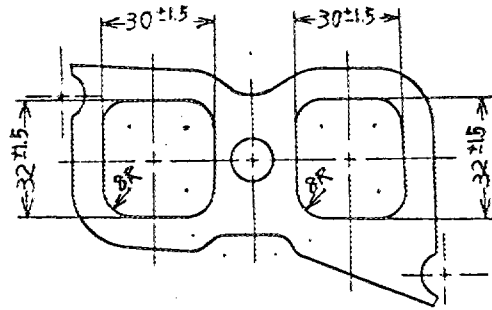
CLUTCH

262. Dia. of cluch plates 22.8 Cm

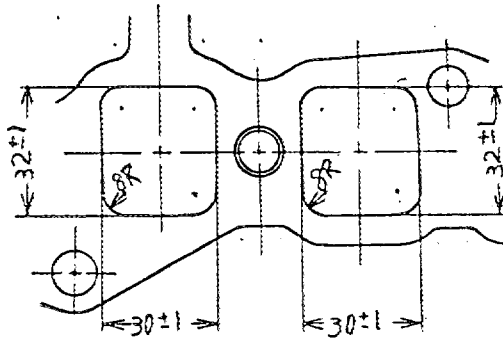
263. Dia. of linings, inside 16.0 Cm outside 22.4 Cm

1/15

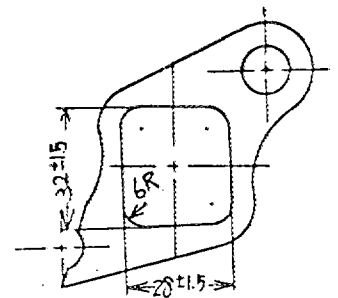
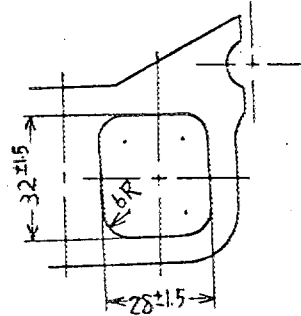
Drawing inlet manifold ports, side of cylinder-head. Indicate scale or dimensions and manufacturing tolerance.



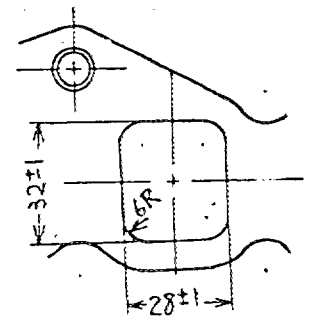
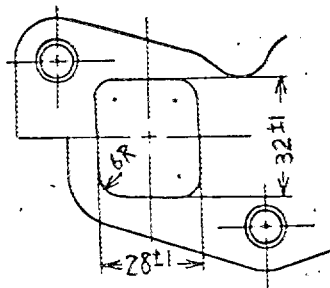
Drawing of entrance to inlet port of cylinder-head. Indicate scale or dimensions and manufacturing tolerance.



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.



Attached sheet page 3.

Unit : mm

Make Toyota

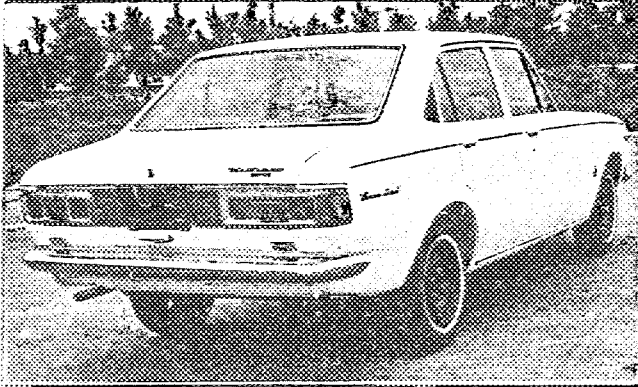
Model RT62 - S

5322

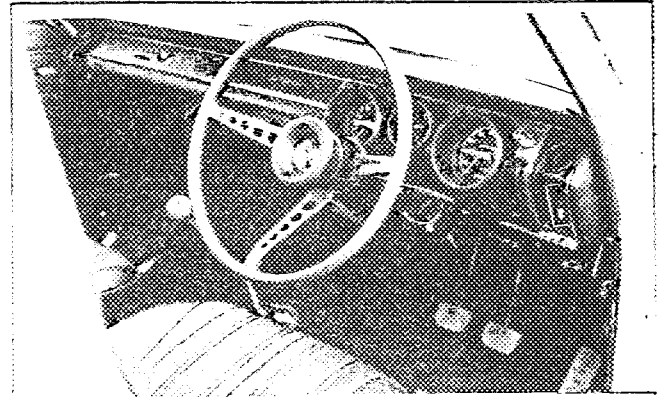
1/15

Photograph

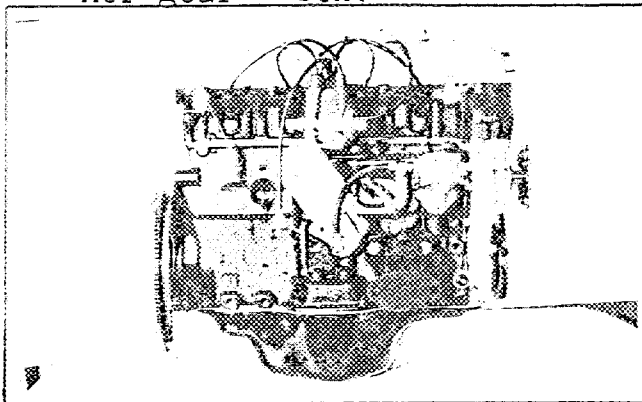
B,  $\frac{3}{4}$  view of car from rear



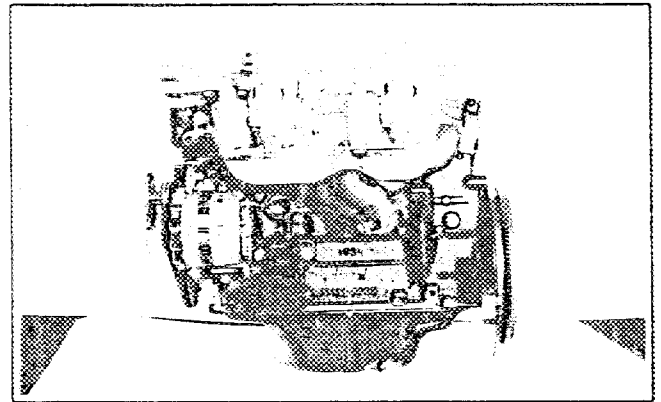
C, interior view of car through driver's door (open or removed) with dashboard



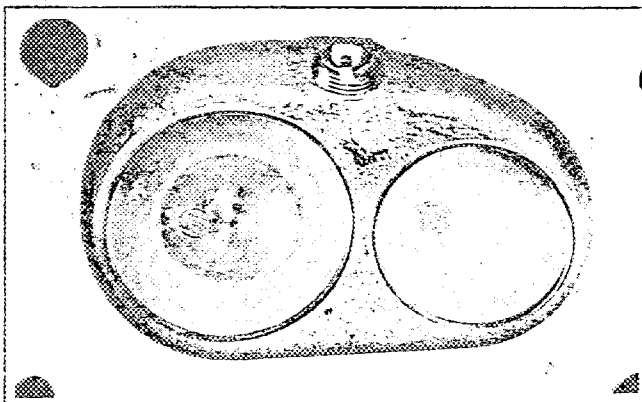
J, engine unit out of car, from right, with clutch and accessories but without air filter nor gear - box.



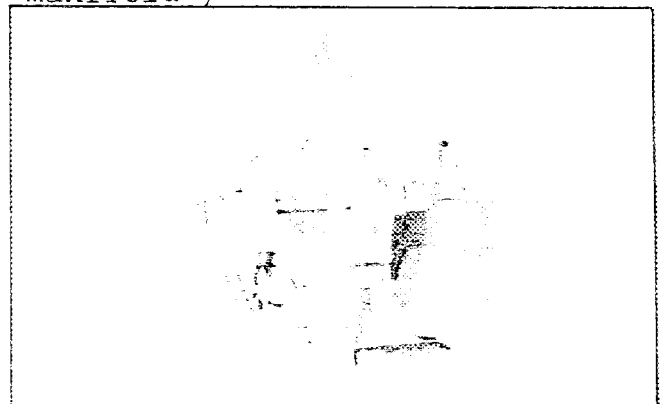
K, engine unit out of car, from left, with clutch and accessories but without gear - box nor air filter.



L, Combustion chamber



N, carburettor (view from side of manifold)



Make Toyota

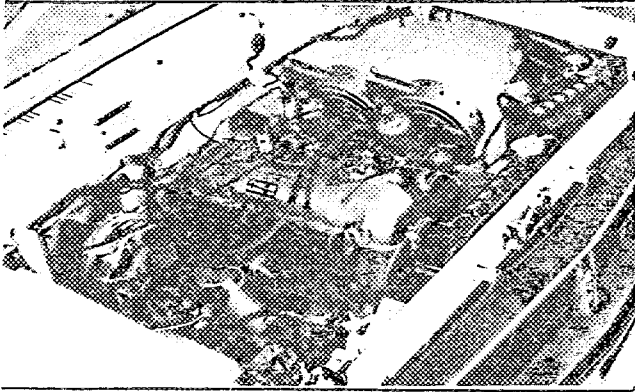
Model RT62 - S

5322

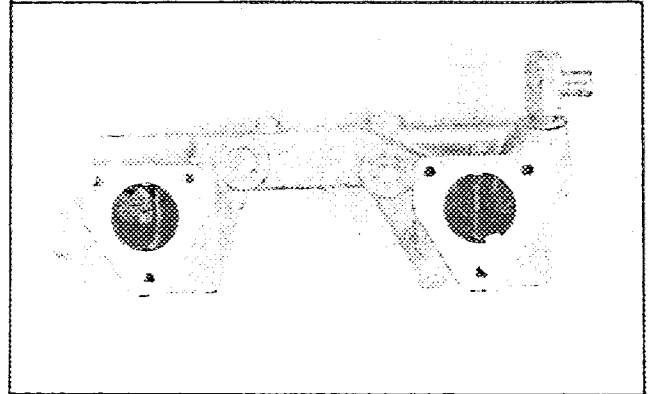
1/15

Photograph

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



P, inlet manifold



Q, exhaust manifold

