

Manufacturer

Serial No. of

Recognition is valid from

# JAPAN AUTOMOBILE FEDERATION

Toyota Motor Co., Ltd.

RT 55 - 10001

9R - 1000l

F.I.A. Recognition Nº Group :

2 - Touring

# FEDERATION INTERNATIONALE DE L'AUTOMOBILE

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

Cylinder-capacity

1,587 cm3 96.9 cu. in.

1514

Model

Manufacturer

Toyota Motor Co., Ltd.

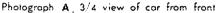
Manufacturer

Toyota Motor Co., Ltd.

List

The manufacturing of the model described in this recognition form was started on May 4967 and the minimum production of

identical cars, in accordance with the specifications of this form was reached on November 967





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

Variants				Normal evo	olution of the ty	/pe	
on	19	rec. No.	List	on	19	rec. No.	List
on	19	rec. No.	List	on	19	rec. No.	Li st
on	19	rec. No.	List	on	19	rec. No. CHT	List
on	19	rec. No.	List	on	19	rec. No.	Willist
on	19	rec. No.	List	on	19	re@No	
Stamp and	signature of th	ne			Stamp	and ignature of	the first Asset
National Sp	orting Authorit	y			ø	S. C. HUEB	E STATE OF
•					Luch	u Jahn	
							30
•							

Toyota Make

Model RT 55

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 coversion table hereafter.

#### CAPACITIES AND DIMENSIONS

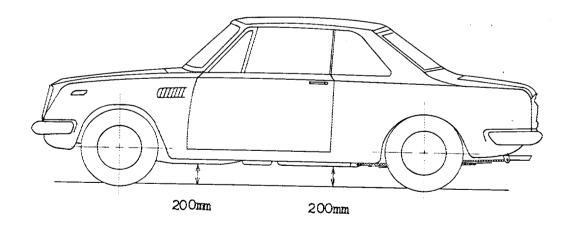
1.	<u>V/heelbase</u>	2,420	mm		95.3	inches		
2.	Front track	1,290	mm		50.8	inches *		
3.	Rear track	1,270	mm		50,0	inches *		
4.	Overall length of the car			408.5	cm			inches
5.	Overall width of the car			156.5	cm			inches
6.	Overall height of the car			137.5	cm			inches
<b>7</b> .	Capacity of fuel tank (reserve inclu	uded)				45	1 trs	
	11.9 Gallon US					Gallon	Imp.	
Ω	Section connects							

- 9. Weight, total weight of the car with normal equipment, water, oil and spare wheel but without fuel nor repair tools;

980 kg 2,160 lbs

- 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	REPORTED JUS
1	foot / pied	- 30.4794 cm	1 pint (pt)	0.568
I	square inch/pouce carré	- 6.452 cm <sup>2</sup>	1 gallon lmp.	64.546 Mrs
1	cubic inch/pouce cube	- 16.387 cm <sup>3</sup>	1 gallon US	85 lins
1	pound / livre (1b)	- 453.593 gr.	1 hundred weight (cwl	50.802 kg

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

- 20. Chassis / body construction : - Junitary construction
- 21. Unitary construction, material (s) Steel

Separate construction

- 22. Separate Constructions: Material(s) of chassis
- 23. Material (s) of coachwork
- Steel 24. Number of doors 2 Material (s)
- Steel 25. Material (s) of bonnet
- Steel 26. Material (s) of boot lid
- Glass 27. Material (s) of rear-window
- 28. Material (s) of windscreen Glass
- Glass 29. Material (s) of front-door windows
- 30. Material (s) of rear-door windows
- Vertical, Manual 31. Sliding system of door windows
- 32. Material (s) of rear-quarter light Glass

#### ACCESSORIES AND UPHOLSTERY

- 39. Air-conditioning : 38. Interior heating: yes - no
- 40. Ventilation : yes 🗫
- Separate, Vinyl Leather 41. Front seats, type of seats and upholstery
- 42. Weight of front seat (s), complete with supports and rails, out of the car :

lbs 14.1kg

- Bench, Vinyl Leather
- 43. Rear seats, type of seats and upholstery bs 8,0 kg Weight Steel 44. Front bumper, material (s)
- 45. Rear bumper, material (s)

#### lbs 6.7 Steel Weight kg

#### WHEELS

- Pressed Steel
- $6.7(4\frac{1}{2}J-14)$ 51. Weight (per wheel, without tyre) 7.7(5J-14)

52. Method of attachment 4 Nuts

- inches 53. Rim diameter  $\boldsymbol{m}\,\boldsymbol{m}$ 356 14
- inches 127 4支, 54. Rim width 114,

## STEERING

- Recircurating Ball 60. Type
- 61. Servo-assistance : yes no
- 3 3/462. Number of turns of steering wheel from lock to lock
- 63. In case of servo-assistance



lbs

	SUSPENSION						
70.	Front suspension (photogr. D), type	Independer	nt				
71.	Type of spring	Coil					
72.	Stabiliser (if fitted)	Torsion Ba	ar				
73.	Number of shockabsorbers 2	74. Type	Hydraulic	Telescor	pic		
78.	Rear suspension (photogr. E), type	Rigid	•	•			
79.	Type of spring	Leaf					
80.	Stabiliser (if fitted)						
81.	Number of shockabsorbers 2	82. Туре	Hydraulic	Telescop	pic		
	38AXES (photographs F and G)						
90.	System	Hydraulic					
91.	Servo-assistance (if fitted), type						
92.	Number of hydraulic master cylinders	1					
			FRO	NT		REAR	
93.	Number of cylinders per wheel		2			1	
94.	Bore of wheel cylinder (s)			mm 1-7/	Sin.	mm 11/16	in.
95.	Drum brakes Inside diameter			mm	in. 228.6	mm	in.
96.	Length of brake linings			mm	in. 199, 249	mm	ín.
97.	Width of brake linings			mm	in. 35	mm	in.
98.	Number of shoes per brake				2		
99.	Total area per brake			mm²	sq. in. 157 x 16	) <sup>2</sup> mm²	sq. in.
100.	Disc brakes Outside diameter		268	mm	in.	mm	in.
101.	Thickness of disc		10.4	mm	in.	mm	in.
102.	Length of brake linings		54	mm	in.	mm	in.
103.	Width of brake linings		47	mm	in.	mm	in.
104.	Number of pads per brake.		2				
105.	Total area per brake		$51 \times 10^2$	mm²	sq. in.	mm³	sq. in.

Model

RT 55

Toyota

Make



F.I.A. Rec. No

Mc	oke Toyota			Model R	T 55	F	.l.A. Rec. 1	No.
		.d Κ\			- //			
	ENGINE (photographs 1 ar Cycle 4	id K)		131, Number	of cylinders	ı		
		Tm Time		vor, rumber	or cymiders	4		
	-	In Line	יים in.	134. Stroke	ma m	m	o om in	
	Bore 80.5 Capacity per cylinder	······ 3	.17 in.		78 <sup>m</sup>		3.07 in.	
			7	,		24.2		
	Total, cylinder-capacity	black .		,,,,,		96.8	CO. 1117	
	Material (s) of cylinder   Material (s) of sleeves (		Cast Iron					
			1- 177			Number fitted	_	
	Cylinder-head, material (		Al-Alloy	343 Number	of exhaust ports	140mber intec	1	
	Number of inlet ports		4	141. (Nomber	or exhaust ports		4	
	Compression ratio		9,0		cm³		eu in	
	Volume of one combustic		50				cu. in.	
	Piston, material		Al-Alloy		145. Number of	rings	3	
146.	Distance from gudgeon pi			of piston crown				
		5 ± 0.15 mm	n		inches			
	Crankshaft: mewdood,			148. Type of	crankshaft : inte	egral /		
	Number of crankshaft mo	ain bearings	3					
	Material of bearing cap		Cast Iro	n				
151.	System of lubrication:	<del>Iry sump</del> / oil	in sump					
152.	Capacity, lubricant	3.8 ltrs			pts		quarts (	12
153.	Oil cooler: yes / r	10		154. Method	of engine cooling	Water		
155.	Capacity of cooling system	n 8.2 ltrs			pints		quarts (	JS
156.	Cooling fan (if fitted), d	<sup>ia.</sup> 30 <sup>cm</sup>			inches			
157.	Number of blades of co	oling fan 2						
	Bearings							
158.	Crankshaft main, type	Plain			Dia.	58 <sup>mm</sup>		in
159.	Connecting rod big end,	Plain			Dia.	50 mm		in
	Waights							
160.	Flywheel (clean)	11 kg		lbs			i Salahan Salah	
161.	Flywheel with clutch (all				16 kg	1/28	ATIOA.	lb.
1.40	6 6 6 3 5	t .	11.	. 143 Cammati		0 20 K	20-25	E L

15 kg lbs 163. Connecting rod 162. Crankshaft 164. Piston with rings and pin 0.53 kg lbs

# FOUR STROKE ENGINES

170. Number of camshafts

171. Location Cylinder Head

172. Type of comshaft drive

Duplex Chain

173. Type of volve operation

Direct

# INLET (see page 1) \*

180. Material(s) of inlet manifold Al-Allov

181. Diameter of valves

45

1.77

inches

182. Max. valve lift

9.0 mm 0.35

mm

in. 183. Number of valve springs

2

184. Type of spring

Coil

185. Number of valves per cylinder

1 inches

186. Tappet clearance for checking timing (cold)

0.15 mm 28° BTDC

187. Valves open at (with tolerance for tappet clearance indicated)

48° ABDC

188. Valves close at (with tolernce for tappet clearance indicated) 189. Air filter, type

Dry

# EXHAUST (see page X)

195. Material (s) of exhaust manifold

Cast Iron

40

1.57 inches

196. <u>Diameter of valves</u> 197. Max. valve lift

9.0 mm 0.35 in. 198. Number of valve springs

199. Type of spring

Coil

200. Number of valves per cylinder 1

201. Tappet clearance for checking timing (cold)

0.35

inches

202. Valves open at (with tolerance for tappet clearance indicated)

52° BBDC

203. Valves close at (with tolerance for tapper clearance indicated)

2L° ATDC

# CARBURETION (photograph N)

210. Number of carburettors fitted

211. Type

Side Draught

212. Make

Mikuni

213. Model

21100-88201

214. Number of mixture passages per caburettor

21100-88202

215. Flange hold diameter of exit port(s) of carburetteor

40 & 40

in.

216. Minimum dimensions of mixture pasage (s) with pisten at ma

Howample Styl

32 & 32 mm

inches

223. Total number of injectors

## INJECTION (if fitted)

220. Make of pump

221. Number of plungers

222. Model or type of pump

224. Location of injectors 225. Minimum diameter of infel pipe

mm -

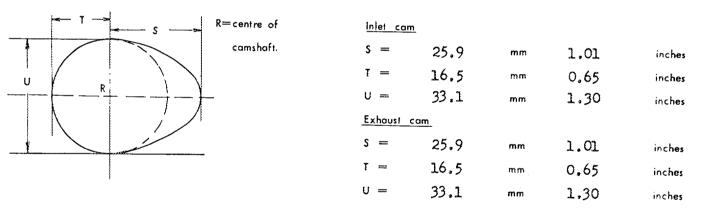
inches

<sup>\*)</sup> for additional information concerning two-stroke engines and super-charged engines see page 13.



M	lake	Toyota		Mode	RI	55	F. L.A.	Rec. No.		
	ENGINE	ACCESSORIE	5							
230.	Fuel pu	mp : m <del>scha</del>	nical and / or electric		231.	No. fitted	1			
232.	Type of	ignition system	Make & Break	Ignition	233.	No. of distributors	1			
234.	No. of i	gnition coils		1	235.	No. of spork plugs	per cylinder 1			
236.	Generato	r, type: <del>dynazo</del> w	alternator-number fitted	1	237.	Method of drive	V Belt			
238.	V oltage	of generator	12 v	olts	239.	Battery, number	1			
240.	Location		Engine	Room						
241.	Voltage	of battery	12 v	olts						
	ENGINE AND CAR PERFORMANCES (as declared by manufacturer in catalogue)									
250.	Max. en	gine output	110 PS (type of h	orsepower:	JIS )	al	6,200 rpm			
251.	Maximum	rpm	6,600 out	out at that fig	[ure		108 PS			
252.	Maximum	n torque	14.0 kg-m	5,000 m	om					
253.	Maximum	speed of the c	ar 175	km/hour		m	iles / hour			

255.





Make Toyota

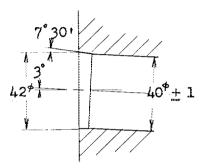
Drawing inlet manifold ports, side of cylinderhead. Indicate scale or dimensions and manufacturing tolerance.

Drawing of entrance to inlet port of cylinderhead. Indicate scale or dimensions and manufacturing tolerance.

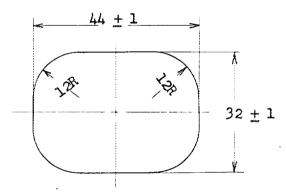
Drawing exhaust manifold ports, side of cylinderhead. Indicate scale or dimensions and manufacturing tolerance.

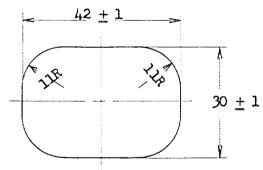
Drawing of exit to exhaust port of cylinderhead. Indicate scale or dimensions and manufacturing tolerance. 6° 40° + 1

RT 55



Model





Unit; mm



Toyota Make

RT 55 Model

F. I. A. Rec. No.

# DRIVE TRAIN

#### CLUTCH

260. Type of clutch Dry Single Plate Friction

261. No. of plates

262. Dia. of clutch plates

20.5 c m inches

263. Dia. of linings, inside

14.0 cm

in. outside 20.0 cm

in.

264. Method of operating clutch

GEAR BOX (photograph H)

Toyota

Hydraulic

Method of operation

Mechanical

271. No. of gear-box ratios forward 4 & 5

272. Synchronized forward ratios 1, 2, 3, & 4

1, 2, 3, 4, & 5

273. Location of gear-shift 274. Automatic, make

Floor

type

275. No. of forward ratios

270. Manual type, make

276. Location of gear-shift

277.	Manual Ratio No, teeth	Automatic Ratio No. teeth	Ratio	Alternative ma No. teeth	nual/ <del>automatic</del> Ratio	No. teeth
1	3.673 $\frac{31}{18} \times \frac{32}{15}$		3.337	$\frac{31}{18} \times \frac{31}{16}$	3.143	28 x 33 21 x 14
2	2,114 $\frac{31}{18} \times \frac{27}{22}$		1.948	$\frac{31}{18} \times \frac{26}{23}$	1.636	$\frac{28}{21} \times \frac{27}{22}$
3	1.403 $\frac{31}{18} \times \frac{22}{27}$		1.340	$\frac{31}{18} \times \frac{21}{27}$	1.179	$\frac{28}{21} \times \frac{23}{26}$
4	1.0		1.0	: :	1.0	
5					0.844	$\frac{28}{21} \times \frac{19}{30}$
6				•		
reverse	4.183 $\frac{31}{18} \times \frac{34}{14}$		4.183	$\frac{31}{18} \times \frac{34}{14}$	3.238	$\frac{28}{21} \times \frac{34}{14}$

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) Friction

3.90, 4.11, 4.375, 4.625, 4.875, 5.286

293. Final drive ratio

Number of teeth

39/10, 37/9, 35/8, 37/8,

39/8, 37/7

IMPORTANT- The conformity of the car with the following items of the present recognition form is to be disregarded during the scrutineering, when the vehicle has been entered in group 2 (Touring cars) or 3 (Grand Touring cars) : 41, 72, 80, 91, 142, 143, 144, 145, 146, 153, 156, 157, 160, 161, 162, 163, 164, 182, 184, 186, 187, 188, 189, 199, 201, 202, 203, 212, 213, 215, 216, 222, 225, 230, 250, 251, 252, 253, and photographs I, M and N.

During the scrutineering of cars entered in group 4 (Sportscars) only the following items of the present recognition form are to be taken into consideration: 1, 2, 3, 9, 20, 21, 22, 23, 24, 25, 26, 70, 71, 78, 79, 90, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 147, 148, 149, 150, 158, 159, 170, 171, 172, 173, 185, 200, 270, 271, 274, 275, 290, 291, 292 and photo graphs A, B, D, E, F, G, H, J, K, and O.

Optional equipement affecting preceeding information. This to be stated together with reference number.

# 7. Capacity of fuel tank

23.8 Gallon US

91. Servo-assistance type

Vacuum Servo

- 90 ltrs

277.	Alternative manual							
1	2,148	28 x 29 21 x 18	3.143	$\frac{28}{21} \times \frac{33}{14}$				
2	1.449	$\frac{28}{21} \times \frac{25}{23}$	1.636	$\frac{28}{21} \times \frac{27}{22}$				
3	1.179	$\frac{28}{21} \times \frac{23}{26}$	1.231	28 x 24 21 x 26				
4	1.0		1.0					
5	0.873	28 x 19 21 x 29	0.844	$\frac{28}{21} \times \frac{19}{30}$				
6		! !						
reverse	3.238	28 x 34 21 x 14	3.238	28 x 34 21 x 14				

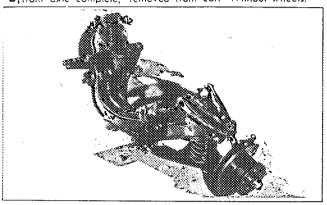


Model

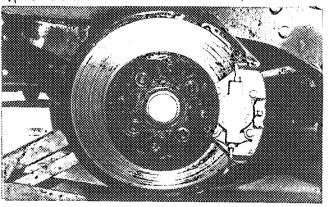
B, 3/4 view of car from rear



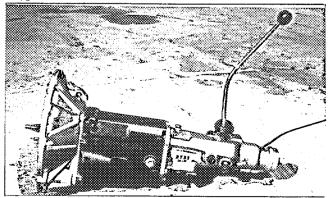
**D**, front axle complete, removed from car. Without wheels.



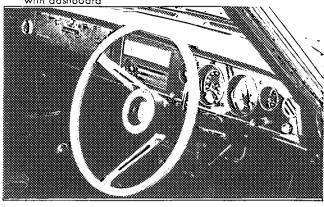
F, front brake, drum removed or disc with caliper(s)



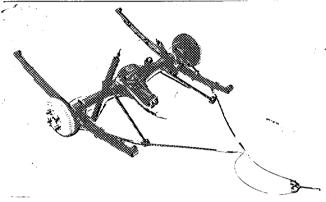
H, gear-box, view from side



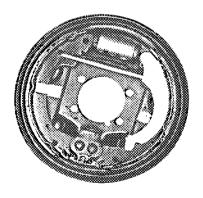
c, interior view of car through driver's door (open or removed) with dashboard



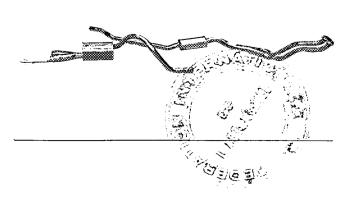
E, Rear axle complete without wheels, removed from car.



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

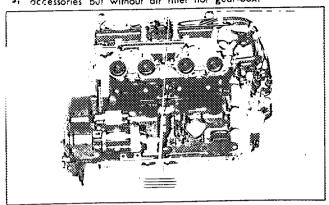


It sitencer + exhaust pipes after exhaust manifold.

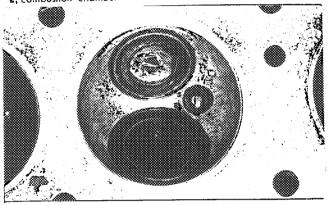


Make Toyota

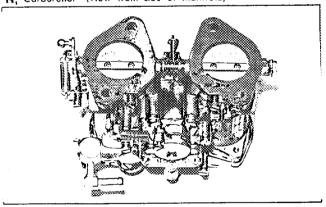
engine unit out of car, from right. With clutch and  $J_1$  accessories but without air filter nor gear-box.



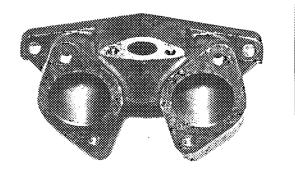
L, combustion chamber



N, Carburettor (view from side of manifold)



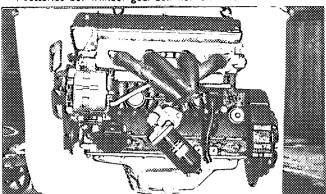
P, inlet manifold



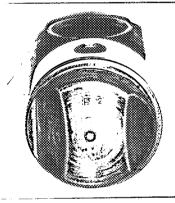
Photograph RT 55

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

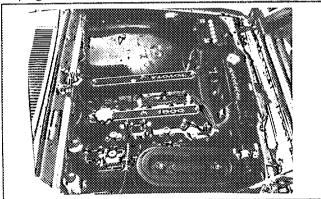
F. L.A. Rec. No.



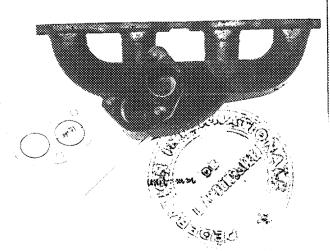
M, piston crown



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



Q, exhaust manifold



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Мо	ıke	Toyota	,	Mode	.1	RT 55		F. I. A. Rec. No.
	TWO ST	roke engines						
300.	System	of cylinder scavenging						
301.	Type of	lubrication						
302.	Inlet po	rts, length measured around cy	linder 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 po	orts, length measured around pi	iston				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 hig	hest point of exhaust	por	t :		mm	inches

330. Supercharging—state full details hereafter:

321. Drawing of cylinder ports.

319. Distance from top of cyl. block to lowest point of inlet port:

320. Distance from top of cyl. block to highest point of transfer port :

JAPAN AUTOMOBILE FEDERATION

2-3X3 Jule

Kazunari Komotori



mm

mm

inches

inches