



JAPAN AUTOMOBILE FEDERATION

F. I. A. Recognition No. **5317**
Group **1**

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

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

Manufacturer		<u>Cylinder-capacity</u>	9 93	cm ³	60.5	cu. in.
Serial No. of chassis	KP30-000001	Model	Toyota Publica, KP30			
Serial No. of engine	2K 000001	Manufacturer	Toyota Motor Co., Ltd.			
Recognition is valid from	1/1/70	Manufacturer	Toyota Motor Co., Ltd.			
		List	70/1			

The manufacturing of the model described in this recognition form was started on Feb, . 19 69 and the minimum production of 5000 identical cars, in accordance with the specifications of this form was reached on April 1969

Photograph A, 3/4 view of car from front



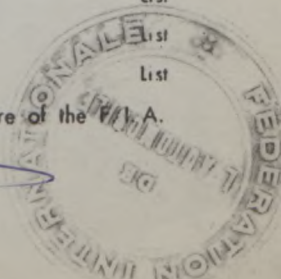
The vehicle described in this form has been subject to the following amendments :

<u>Variants</u>				<u>Normal evolution of the type</u>			
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.



Make Toyota

Model KP 30

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

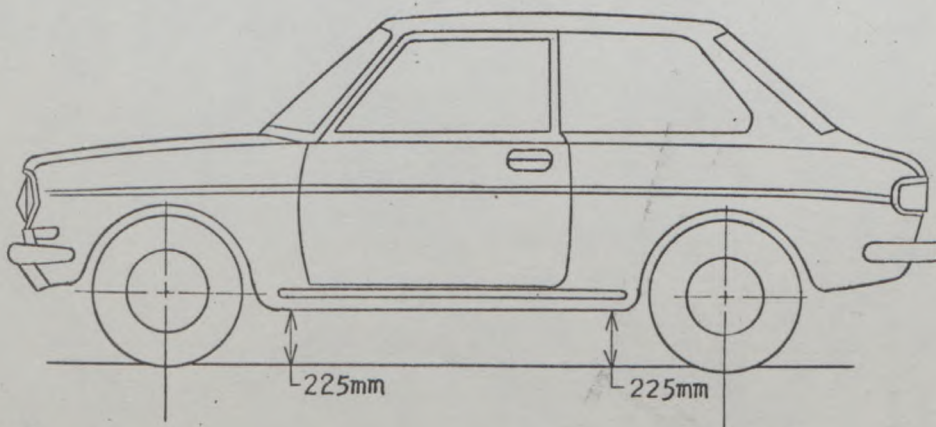
CAPACITIES AND DIMENSIONS

1. <u>Wheelbase</u>	2,160	mm	85.1	inches
2. <u>Front track</u>	1,235	mm	48.7	inches *
3. <u>Rear track</u>	1,200	mm	47.3	inches *
4. Overall length of the car	364.5	cm		inches
5. Overall width of the car	145.0	cm		inches
6. Overall height of the car	138.0	cm		inches
7. <u>Capacity of fuel tank</u> (reserve included)		40		lrs
	10.6	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:				
	635	kg	1397	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.

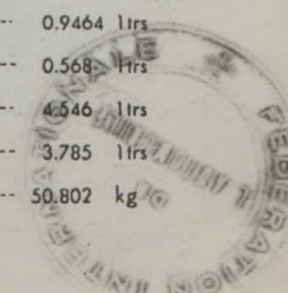
Specify ground clearance in relation to the track and give drawing of two fixed points of the vehicle's structure at which measurements are taken.

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 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



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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 :
10.5 x 2 kg lbs
43. Rear seats, type of seats and upholstery
44. Front bumper, material (s) Steel Weight 3.5 kg lbs
45. Rear bumper, material (s) Steel Weight 3.2 kg lbs

WHEELS

50. Type Pressed steel
51. Weight (per wheel, without tyre) 5.0 kg lbs
52. Method of attachment 4nuts
53. Rim diameter 305 mm 12 inches
54. Rim width 102 mm 4 inches

STEERING

60. Type Worm & sector roller
61. Servo-assistance : ~~yes~~ - no
62. Number of turns of steering wheel from lock to lock 2.8
63. In case of servo-assistance



SUSPENSION

70. Front suspension (photogr. D), type	Independent, Macpherson
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	
92. Number of hydraulic master cylinders	1

	FRONT		REAR	
	2		1	
93. Number of cylinders per wheel				
94. Bore of wheel cylinder (s)	20.64	mm	17.46	mm in.
Drum brakes				
95. Inside diameter	200	mm	in. 200	mm in.
96. Length of brake linings	192	mm	in. 192	mm in.
97. Width of brake linings	30	mm	in. 30	mm in.
98. Number of shoes per brake	2		2	
99. Total area per brake	115.2 x 10 ²	mm ²	sq. in. 115.2x10 ²	mm ² sq. in.
Disc brakes				
100. Outside diameter		mm	in.	mm in.
101. Thickness of disc		mm	in.	mm in.
102. Length of brake linings		mm	in.	mm in.
103. Width of brake linings		mm	in.	mm in.
104. Number of pads per brake				
105. Total area per brake		mm ²	sq. in.	mm ² sq. in.



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ENGINE (photographs J and K)

- | | | | | | | |
|---|--|------------------------------|-------------|-----------|---------------|-------|
| 130. Cycle | 4 | 131. Number of cylinders | 4 | | | |
| 132. Cylinder arrangement | In line | | | | | |
| 133. Bore | 72 mm | 2.84 in. | 134. Stroke | 61 mm | 2.40 in. | |
| 135. Capacity per cylinder | | 248 cm ³ | | | 15.1 cu. in. | |
| 136. Total cylinder-capacity | | 993 cm ³ | | | 60.6 cu. in. | |
| 137. Material (s) of cylinder block | Cast iron | | | | | |
| 138. Material (s) of sleeves (if fitted) | | | | | | |
| 139. Cylinder-head, material (s) | Aluminum alloy | | | | 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 | | 31.0 cm ³ | 1.9 | 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 | | | | | | |
| | 36.0 mm | inches | | | | |
| 147. Crankshaft : moulded / stamped | 148. Type of crankshaft : integral / XXXX | | | | | |
| 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 | 3.5 ltrs | pts | | quarts US | | |
| 153. Oil cooler : yes / no | 154. Method of engine cooling | | | | | Water |
| 155. Capacity of cooling system | 4.7 ltrs | pints | | quarts US | | |
| 156. Cooling fan (if fitted), dia. | 31 cm | inches | | | | |
| 157. Number of blades of cooling fan | 2 | | | | | |

Bearings

- | | | | | |
|------------------------------|-------|------|-------|-----|
| 158. Crankshaft main, type | Plain | Dia. | 50 mm | in. |
| 159. Connecting rod big end, | Plain | Dia. | 42 mm | in. |

Weights

- | | | |
|---|---------|-----|
| 160. Flywheel (clean) | 8.42 kg | lbs |
| 161. Flywheel with clutch (all turning parts) | 11.6 kg | lbs |
| 162. Crankshaft | 8.8 kg | lbs |
| 163. Connecting rod | 0.3 kg | lbs |
| 164. Piston with rings and pin | 0.36 kg | lbs |



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FOUR STROKE ENGINES

- 170. Number of camshafts 1 171. location Cylinder block
- 172. Type of camshaft drive Chain
- 173. Type of valve operation Push rod & rocker

INLET (see page 8) *

- 180. Material(s) of inlet manifold Aluminum alloy
- 181. Diameter of valves 34 mm 1.34 inches
- 182. Max. valve lift 8.8 mm 0.35 in.
- 183. Number of valve springs 1
- 184. Type of spring Coil
- 185. Numbr of valves per cylinder 1
- 186. Tappet clearance for checking timing (cold) 0.08 mm inches
- 187. Valves open at (with tolerance for tappet clearance indicated) B.T.D.C $16^{\circ} \pm 2.5^{\circ}$
- 188. Valves close at (with tolerance for tappet clearance indicated) A.B.D.C $50^{\circ} \pm 2.5^{\circ}$
- 189. Air filter, type Dry

EXHAUST (see page 8)

- 195. Material (s) of exhaust manifold Cast iron
- 196. Diameter of valves 28 mm 1.10 inches
- 197. Max. valve lift 8.4 mm 0.33 in
- 198. Number of valve springs 1
- 199. Type of spring Coil
- 200. Number of valves per cylinder 1
- 201. Tappet clearance for checking timing (cold) 0.18 mm inches
- 202. Valves open at (with tolerance for tappet clearance indicated) B.B.D.C $50^{\circ} \pm 2.5^{\circ}$
- 203. Valves close at (with tolerance for tappet clearance indicated) A.T.D.C $16^{\circ} \pm 2.5^{\circ}$

CARBURETION (photograph N)

- 210. Number of carburetors fitted 1
- 211. Type Down draught
- 212. Make Aisan
- 213. Model 2K
- 214. Number of mixture passages per carburetor 2
- 215. Flange hole diameter of exit port(s) of carburetor 28 & 28 mm in.
- 216. Minimum dimensions of mixture pasage (s) ~~with piston at max. height~~
19 & 24 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.



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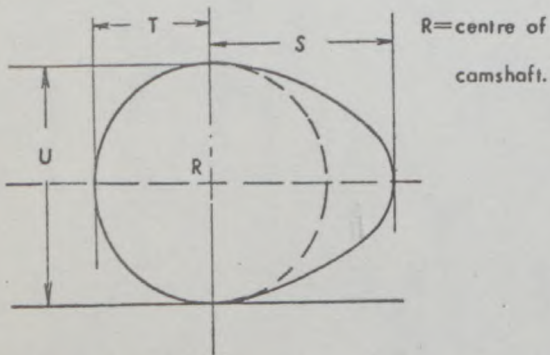
ENGINE ACCESSORIES

- | | | |
|--|--------------------------------------|-------------|
| 230. Fuel pump : mechanical and / or electric | 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: dyno 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 | 58 ps (type of horsepower: JIS) at | 6000 | rpm |
| 251. Maximum rpm | 6200 | output at that figure | 57.6 |
| 252. Maximum torque | 7.9 kg.m | at 4000 rpm | |
| 253. Maximum speed of the car | 140 | km/hour | miles / hour |

255.



Inlet cam

S =	21.1	mm	0.831	inches
T =	15.4	mm	0.607	inches
U =	30.8	mm	1.214	inches

Exhaust cam

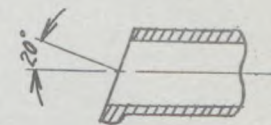
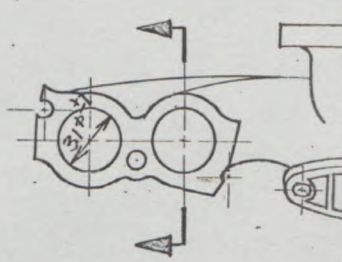
S =	21.2	mm	0.835	inches
T =	15.2	mm	0.599	inches
U =	30.4	mm	1.198	inches



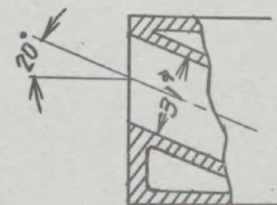
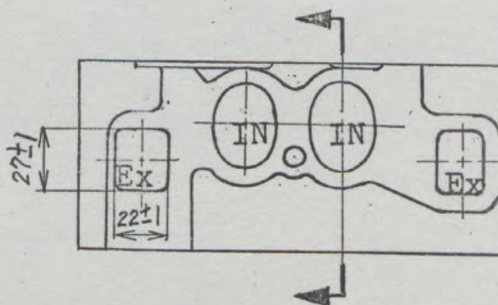
Make Toyota

Model KP 30

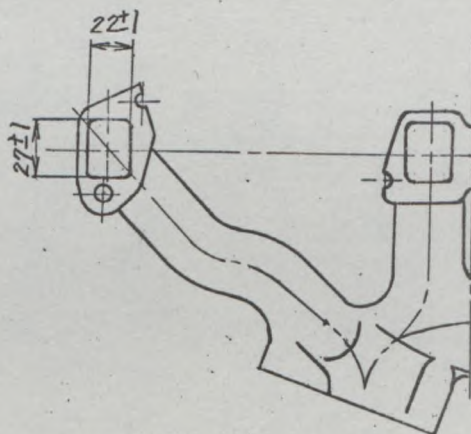
Drawing inlet manifold ports, side of cylinder-head. Indicate scale or dimensions and manufacturing tolerance.



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



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DRIVE TRAIN

CLUTCH

260. Type of clutch Dry single plate 261. No. of plates 1
 262. Dia. of clutch plates 18.3 cm inches
 263. Dia. of linings, inside 12.5 cm in. outside 18.0 cm in.
 264. Method of operating clutch Mechanical

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	3.684	$\frac{32 \times 35}{19 \times 16}$:	:	:	:	:	:
2	2.050	$\frac{32 \times 28}{19 \times 23}$:	:	:	:	:	:
3	1.383	$\frac{32 \times 23}{19 \times 28}$:	:	:	:	:	:
4	1.000		:	:	:	:	:	:
5			:	:	:	:	:	:
6			:	:	:	:	:	:
reverse	4.316	$\frac{32 \times 41}{19 \times 16}$:	:	:	:	:	:

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 4.222, 4.444
 Number of teeth 38/9, 40/9



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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

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F.I.A. Rec. No.

Photograph

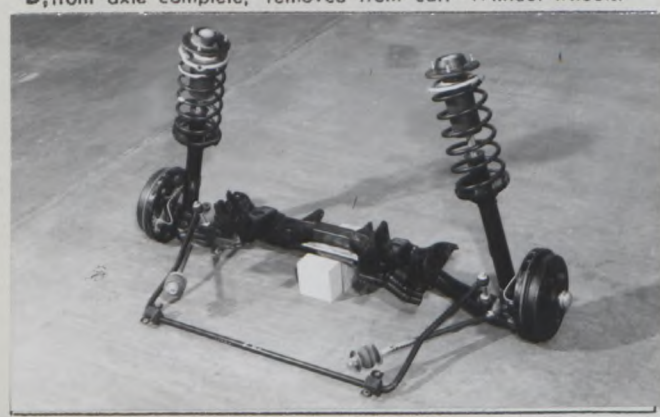
B, 3/4 view of car from rear



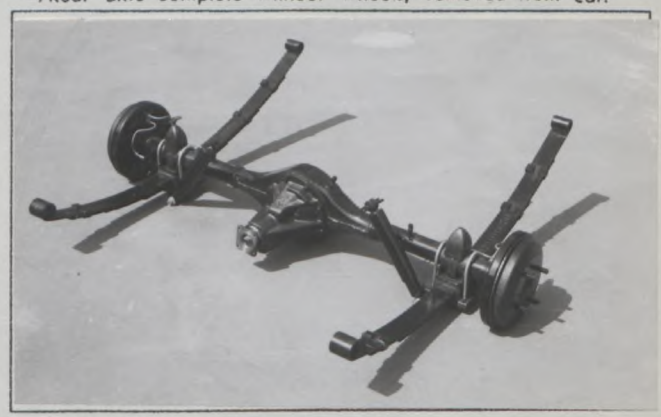
C, interior view of car through driver's door (open or removed) with dashboard



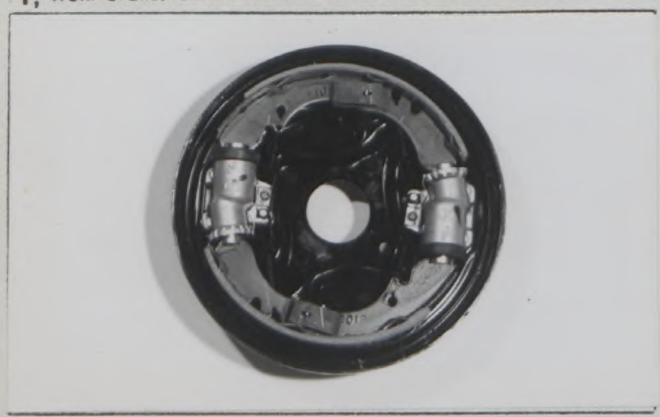
D, front axle complete, removed from car. Without wheels.



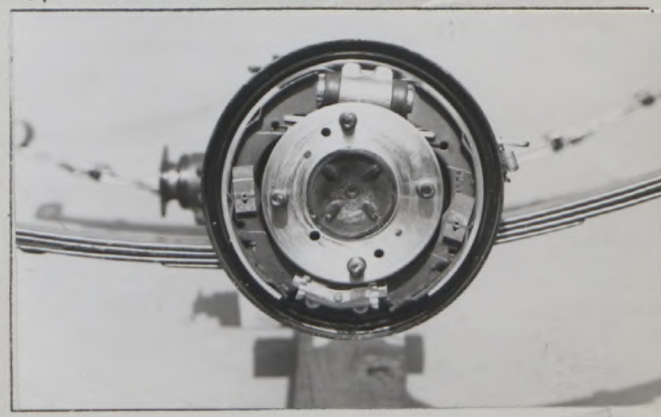
E, Rear axle complete without wheels, removed from car.



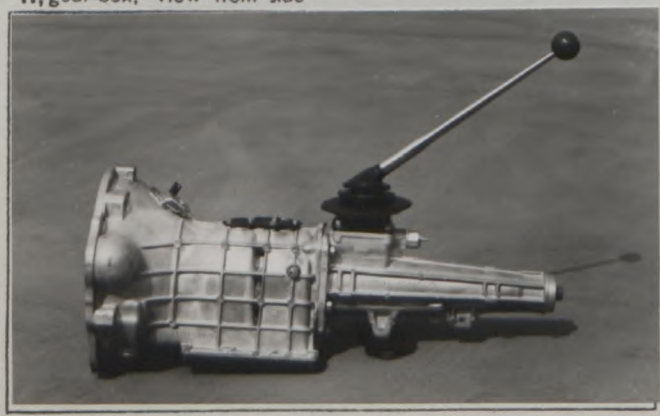
F, front brake, drum removed or disc with caliper(s)



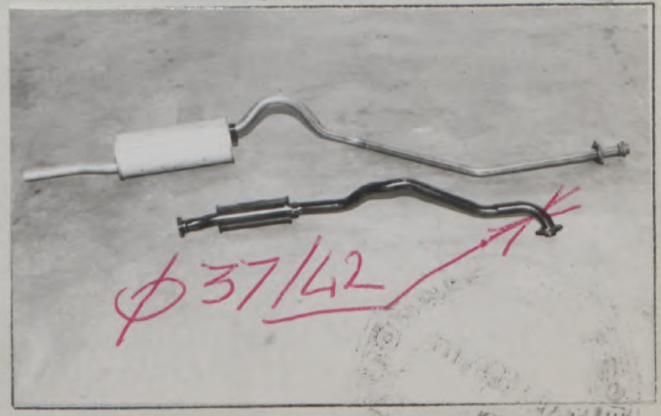
G, rear brake, drum removed or disc with caliper(s)



H, gear-box, view from side



I, silencer + exhaust pipes after exhaust manifold.



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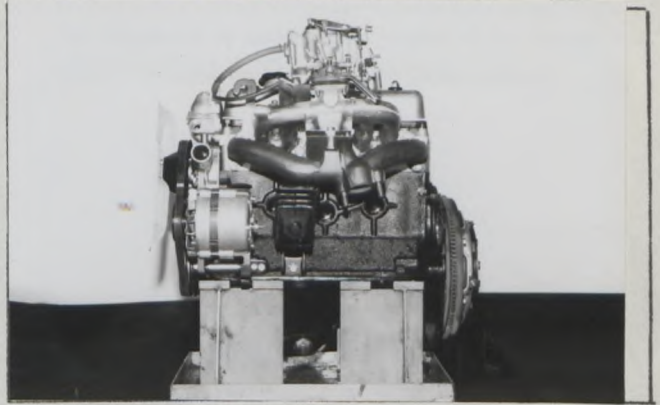
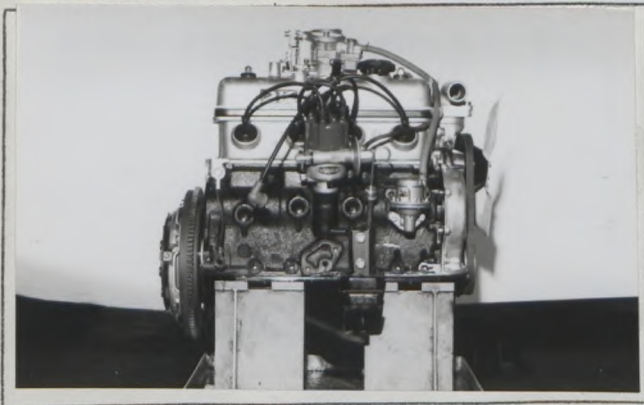
Model KP 30

F. I. A. Rec. No

Photograph

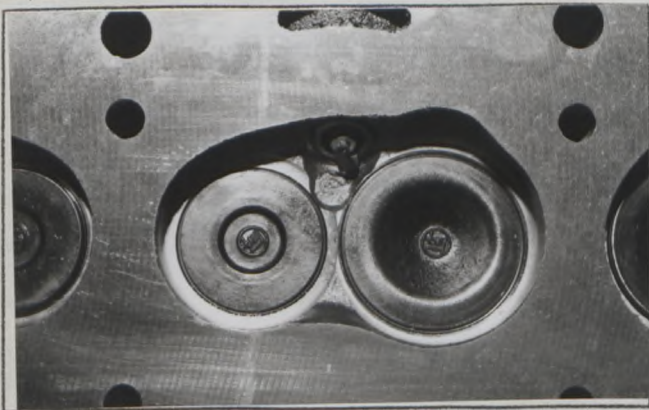
engine unit out of car, from right. With clutch and accessories but without air filter nor gear-box.

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



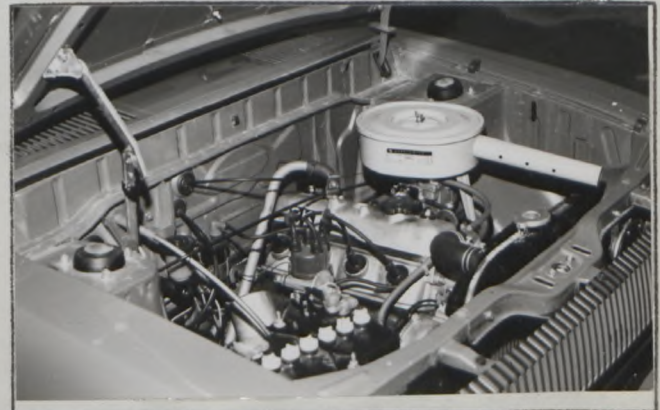
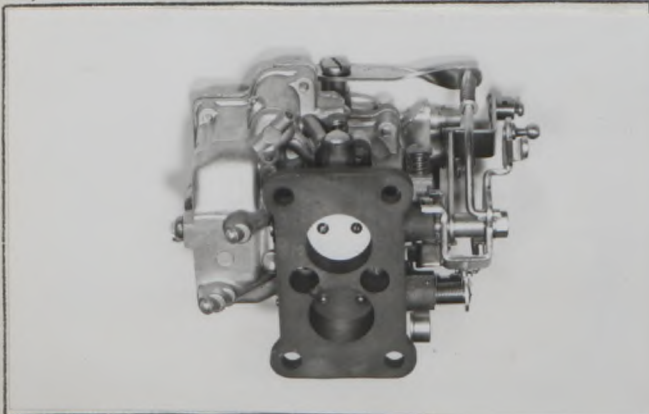
L, combustion chamber

M, piston crown



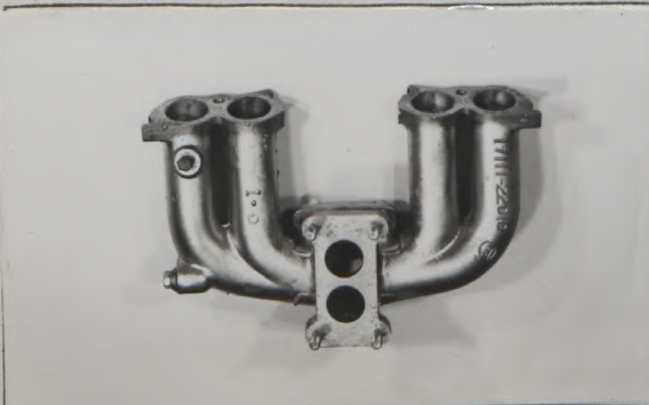
N, Carburettor (view from side of manifold)

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



P, inlet manifold

Q, exhaust manifold



Make Toyota

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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

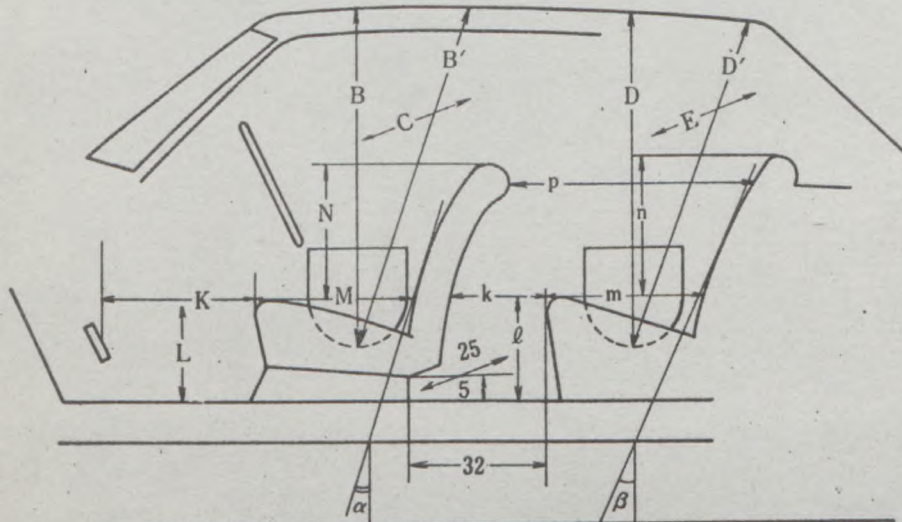
難波清治

Yasuharu Nanba



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
95	98	21°	120	94	95	25°	124

Minimum Dimensions (cm)										
L	l	M	m	N	n	k+m	p	k	k+l+m	K+L+M
29	34	49	46	48	47	62	70	16	96	121
0.9L = 26.1		0.85M = 41.65		0.8N = 38.4		0.8(k+m) = 49.6		(15)	(95)	(120)





JAPAN AUTOMOBILE FEDERATION

社団法人 日本自動車連盟

J.A.F公認番号 T-114 E-1

発効年月日 47. 2. 29

F. I. A. Homol. No 5317

1/1E

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

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

国際スポーツ法典付則J項及びJAF国内競技車両規則に従った公認書式。

Make Toyota Motor Co., Ltd. Model Toyota Publica, KP30
 製造会社名 型式及び通称名
 Modification's application starts with serial No. chassis 適用シャーシー番号 KP30-058001
 engine 適用エンジン番号 2K 0146001
 Application of this amendment started the 1st October, 1970
 適用年月日
 Commercial denomination after application of modifications Toyota Publica, KP30
 The modifications are to be considered as: ~~base~~ normal evolution of the type
 基盤 / 正常進化
 Date amendment is valid from List

Description of amendment 内容

Phot. A 3/4 view of car from front



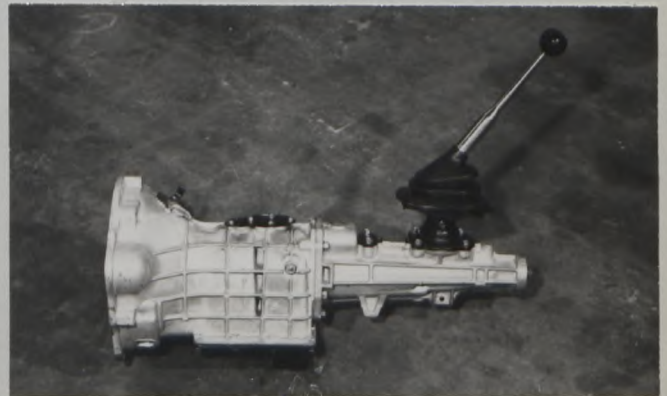
Phot. B 3/4 view of car from rear



Phot. C interior view of car through driver's door with dashboard



Phot. H gear box, view from side



Stamp and signature of the JAF

Stamp and signature of the F.I.A.

JAF公認印及び署名

難波靖裕
 Yasuharu Nanba

