



# JAPAN AUTOMOBILE FEDERATION

F. I. A. Recognition No. *1571*  
Group *2-Touring*

## 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	1077	cm <sup>3</sup>	65.8	cu. in.
Serial No. of chassis	KP30-000001	Model	Toyota Publica SL, KP30S			
Serial No. of engine	K-100001	Manufacturer	Toyota Motor Co., Ltd.			
Recognition is valid from	<i>1st July 1969</i>	Manufacturer	Toyota Motor Co., Ltd.			
		List	<i>1969/5</i>			

The manufacturing of the model described in this recognition form was started on *March 1969* and the minimum production of *1000* identical cars, in accordance with the specifications of this form was reached on *April 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 :

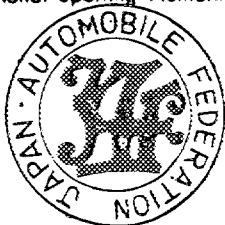
Variants

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

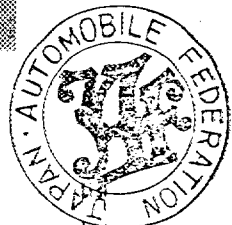
on	19	rec. No.	List
on	19	rec. No.	List
on	19	rec. No.	List
on	19	rec. No.	List
on	19	rec. No.	List

Stamp and signature of the  
National Sporting Authority



Stamp and signature of the F. I. A.

*[Handwritten signature]*



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

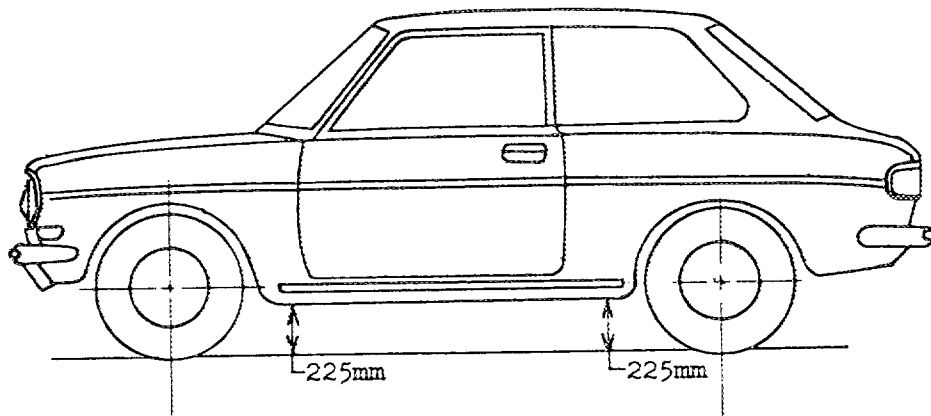
**CAPACITIES AND DIMENSIONS**

1. <u>Wheelbase</u>	2,160	mm	85.0	inches
2. <u>Front track</u>	1,235	mm	48.6	inches *
3. <u>Rear track</u>	1,200	mm	47.2	inches *
4. Overall length of the car		367.0	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	ltrs
	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:				
	650	kg	1433	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.

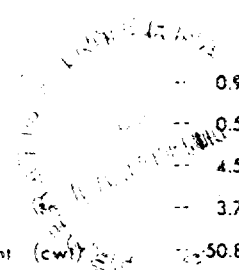
Specify ground clearance in relation to the track and give drawing of two fixed points of the vehicle's structure at which measurements are taken.

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 <sup>2</sup>	1 gallon Imp.	--	4.546 ltrs
1 cubic inch / pouce cube	--	16.387 cm <sup>3</sup>	1 gallon US	--	3.786 ltrs
1 pound / livre (lb)	--	453.593 gr.	1 hundred weight (cwt)	--	50.802 kg



Make Toyota

Model KP30S

F. I. A. Rec.

**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**

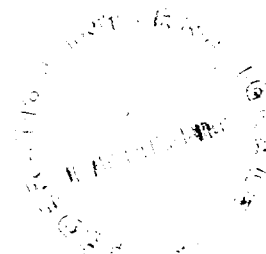
38. Interior heating : ~~yes~~ - no
39. Air-conditioning : ~~yes~~ - no
40. Ventilation : yes - ~~yes~~
41. Front seats, type of seats and upholstery Separate, Vinyl, leather
42. Weight of front seat(s), complete with supports and rails, out of the car :  
10.5 x 2 kg lbs
43. Rear seats, type of seats and upholstery Bench, Vinyl leather
44. Front bumper, material(s) Steel Weight 3.1 kg lbs
45. Rear bumper, material(s) Steel Weight 3.3 kg lbs

**WHEELS**

50. Type Pressed steel
51. Weight (per wheel, without tyre) 5.0, 5.8 kg lbs
52. Method of attachment 4 nuts
53. Rim diameter 305, 329 mm 12, 13 inches
54. Rim width 102, 114 mm 4, 4.5 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



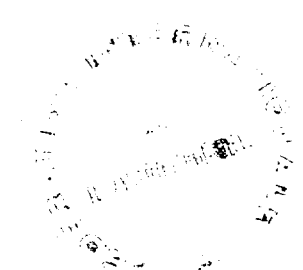
**SUSPENSION**

- 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		
93. Number of cylinders per wheel	1			1		
94. Bore of wheel cylinder (s)	mm	$1\frac{3}{4}$	in.	mm	$\frac{11}{16}$	in.
<b>Drum brakes</b>						
95. Inside diameter	mm		in.	200	mm	in.
96. Length of brake linings	mm		in.	192	mm	in.
97. Width of brake linings	mm		in.	30	mm	in.
98. Number of shoes per brake				2		
99. Total area per brake	mm <sup>2</sup>		sq. in.	$115.2 \times 10^2$	mm <sup>2</sup>	sq. in.
<b>Disc brakes</b>						
100. Outside diameter	200	mm	in.		mm	in.
101. Thickness of disc	9	mm	in.		mm	in.
102. Length of brake linings	97	mm	in.		mm	in.
103. Width of brake linings	37	mm	in.		mm	in.
104. Number of pads per brake.	2					
105. Total area per brake	$61.0 \times 10^2$	mm <sup>2</sup>	sq. in.		mm <sup>2</sup>	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 75 mm 2.95 in.
- 134. Stroke 61 mm 2.40 in.
- 135. Capacity per cylinder 269 cm<sup>3</sup> 16.5 cu. in.
- 136. Total cylinder-capacity 1077 cm<sup>3</sup> 65.8 cu. in.
- 137. Material (s) of cylinder block Cast iron
- 138. Material (s) of sleeves (if fitted)
- 139. Cylinder-head, material (s) Alminum cast 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 29.9 cm<sup>3</sup> cu. in.
- 144. Piston, material Alminum cast
- 145. Number of rings 3
- 146. Distance from gudgeon pin centre line to highest point of piston crown  
36 mm inches
- 147. Crankshaft : moulded / ~~xxxxxx~~
- 148. Type of crankshaft : integral / ~~xxxxxx~~
- 149. Number of crankshaft main bearings 5
- 150. Material of bearing cap Cast iron
- 151. System of lubrication : ~~xxxxxx~~ / oil in sump
- 152. Capacity, lubricant 3.5 ltrs pts quarts US
- 153. Oil cooler : ~~xxxx~~ / no
- 154. Method of engine cooling Water pints quarts US
- 155. Capacity of cooling system 4.7 ltrs inches
- 156. Cooling fan (if fitted), dia. 31 cm
- 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) 6.8 kg lbs
- 161. Flywheel with clutch (all turning parts) 10 kg lbs
- 162. Crankshaft 8.8 kg lbs
- 163. Connecting rod 0.3 kg lbs
- 164. Piston with rings and pin 0.4 kg lbs



Make

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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 Alminum cast  
 181. Diameter of valves 34 mm 1.34 inches  
 182. Max. valve lift 8.6 mm 0.34 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) 0.1 mm inches  
 187. Valves open at (with tolerance for tappet clearance indicated) B.T.D.C  $18^{\circ} \pm 7^{\circ}$   
 188. Valves close at (with tolerance for tappet clearance indicated) A.B.D.C  $58^{\circ} \pm 7^{\circ}$   
 189. Air filter, type Dry

**EXHAUST** (see page 8)

195. Material (s) of exhaust manifold Cast iron  
 196. Diameter of valves 28 mm 1.1 inches  
 197. Max. valve lift 8.9 mm 0.35 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) 0.23 mm inches  
 202. Valves open at (with tolerance for tappet clearance indicated) B.B.D.C  $58^{\circ} \pm 7^{\circ}$   
 203. Valves close at (with tolerance for tappet clearance indicated) A.T.D.C  $18^{\circ} \pm 7^{\circ}$

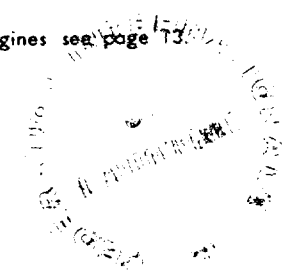
**CARBURETION** (photograph N)

210. Number of carburettors fitted 2 211. Type Down Draught  
 212. Make Aisan 213. Model K-B  
 214. Number of mixture passages per caburettor 2  
 215. Flange hole diameter of exit port(s) of carburettor 28 & 28 mm in.  
 216. Minimum dimensions of mixture pasage (s) ~~with piston and connecting rod~~ 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 73



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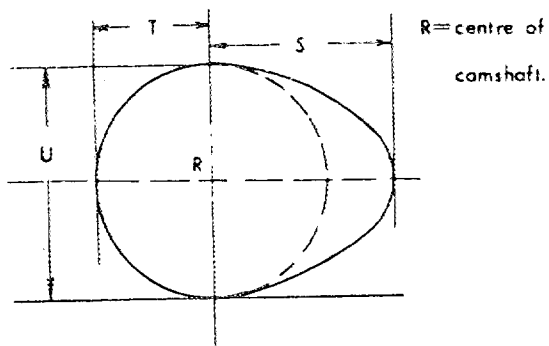
**ENGINE ACCESSORIES**

- 230. Fuel pump : mechanical and / ~~vacuum~~
- 231. No. fitted 1
- 232. Type of ignition system Make and break ignition
- 233. No. of distributors 1
- 234. No. of ignition coils 1
- 235. No. of spark plugs per cylinder 1
- 236. Generator, type: ~~Motor~~/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 73ps (type of horsepower: JIS ) at 6,600rpm
- 251. Maximum rpm 6,700 output at that figure 72.9 ps
- 252. Maximum torque 9.0 kg-m at 4600 rpm
- 253. Maximum speed of the car 155 km/hour miles / hour

255.

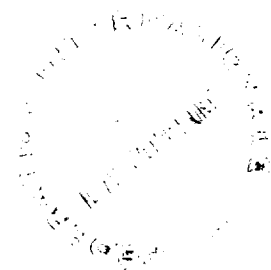


Inlet cam

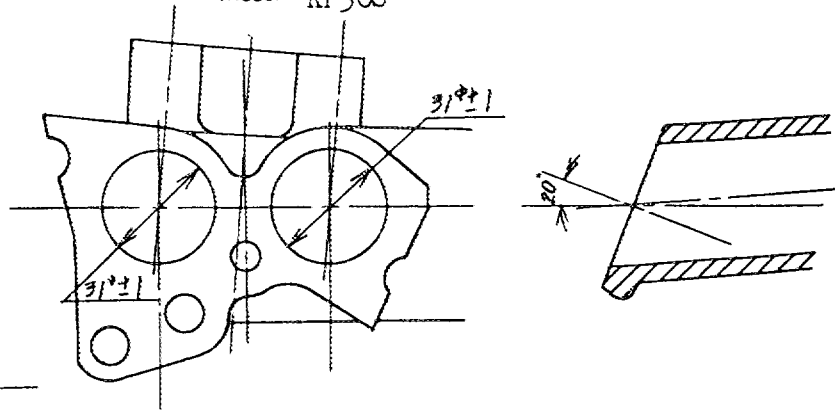
S =	21.3	mm	0.839 inches
T =	15.5	mm	0.610 inches
U =	31.0	mm	1.220 inches

Exhaust cam

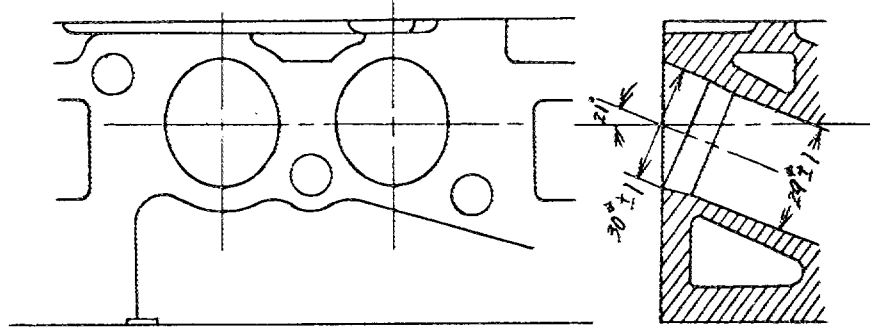
S =	21.3	mm	0.839 inches
T =	15.2	mm	0.598 inches
U =	30.5	mm	1.200 inches



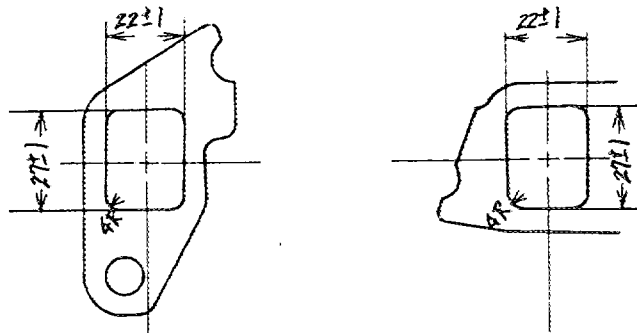
Drawing inlet manifold ports, side of cylinder-head. Indicate scale or dimensions and manufacturing tolerance.



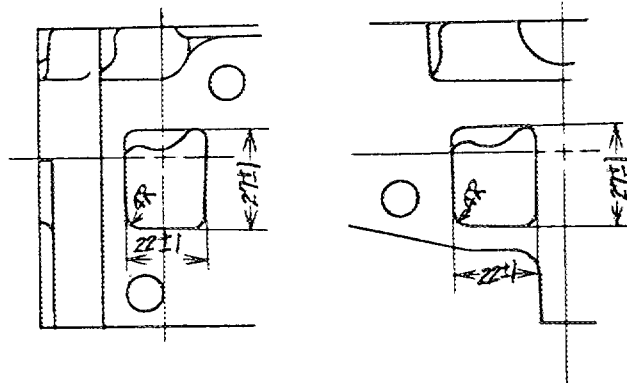
Drawing of entrance to inlet port of cylinder-head. Indicate scale or dimensions and manufacturing tolerance.



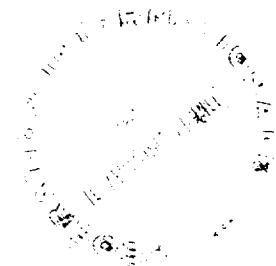
Drawing exhaust manifold ports, side of cylinder-head. Indicate scale or dimensions and manufacturing tolerance.



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



Unit : mm





Make Toyota

Model KP30S

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 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 4)

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

- 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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Model KP30S

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 B

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.

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Optional equipment affecting preceding information. This to be stated together with reference number.



Make Toyota

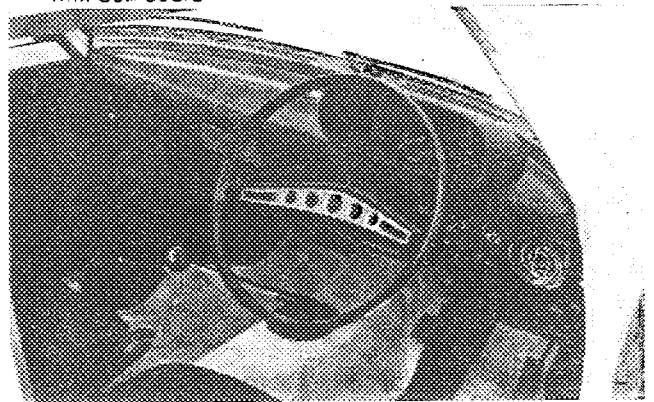
Model KP30S

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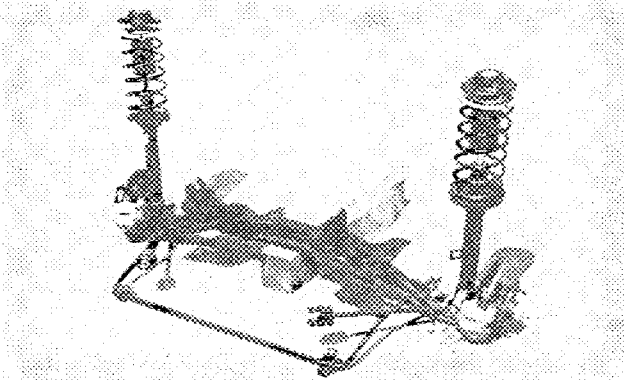
B, 3/4 view of car from rear



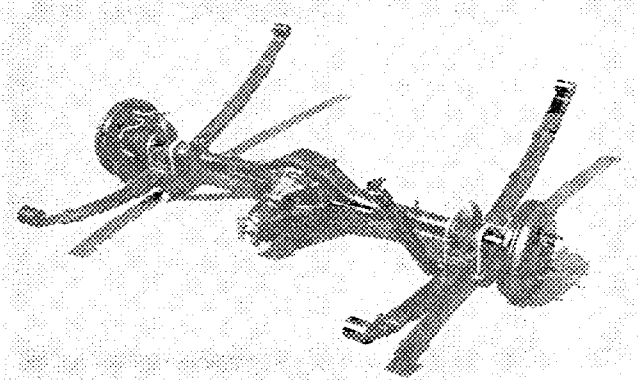
C, interior view of car through driver's door (open or removed) with dashboard



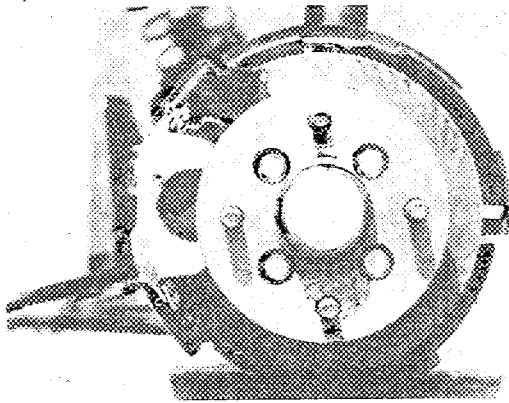
D, front axle complete, removed from car. Without wheels.



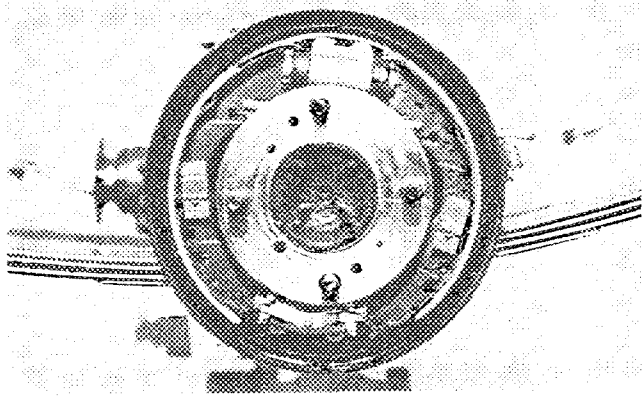
E, Rear axle complete without wheels, removed from car.



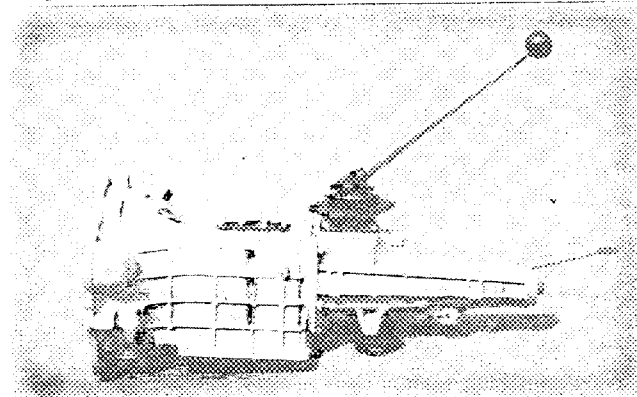
F, front brake, drum removed or disc with calipers



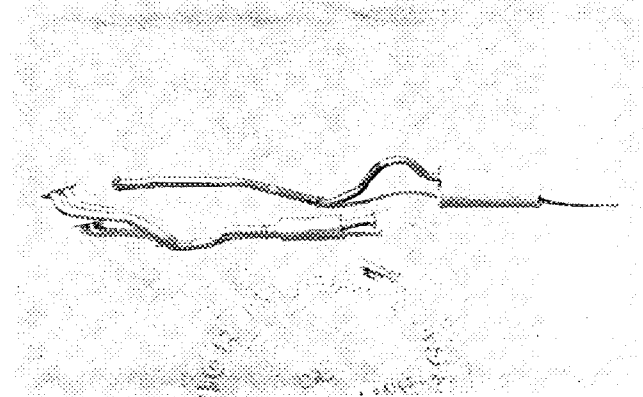
G, rear brake, drum removed or disc with calipers



H, gear-box, view from side

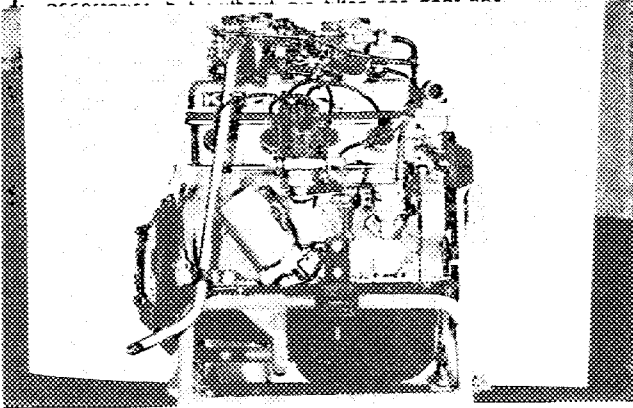


I, silencer + exhaust pipes after exhaust manifold.



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engine unit out of car, from right. With clutch and accessories but without gear-box

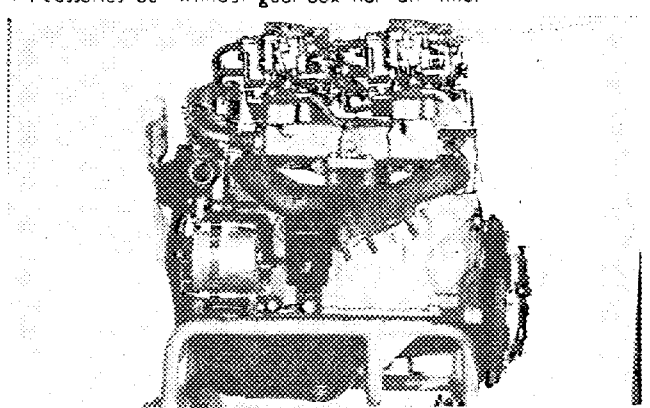


Model KP30S

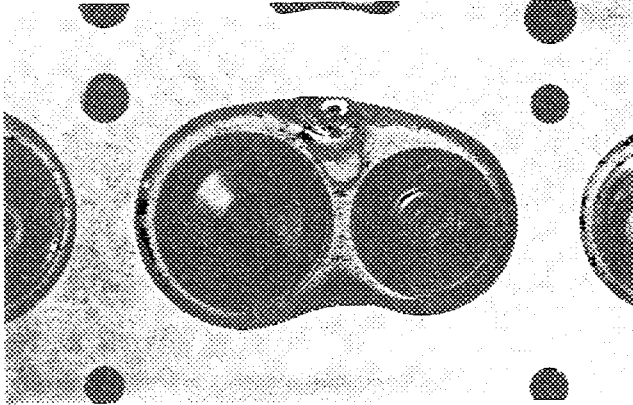
F.I.A. Rec. No

Photograph

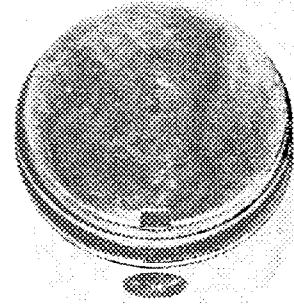
Engine unit out of car, from left. With clutch and accessories but without gear-box nor air filter



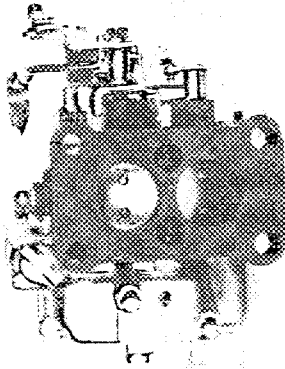
L, combustion chamber



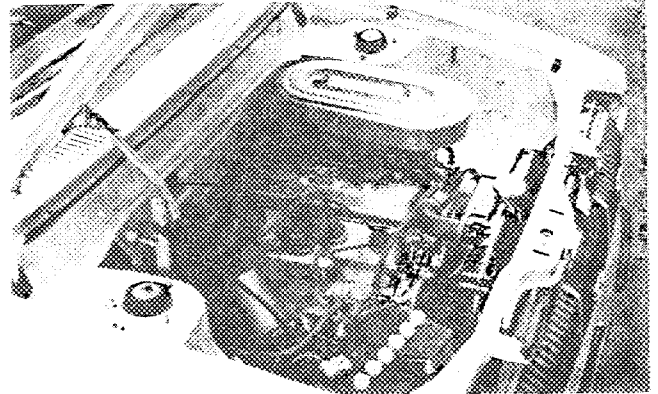
M, piston crown



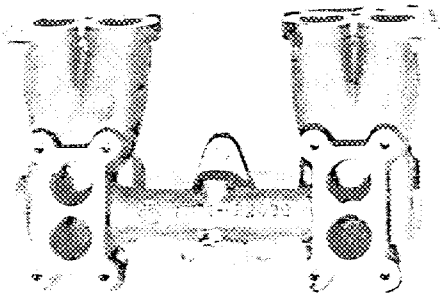
N, Carburettor (view from side of manifold)



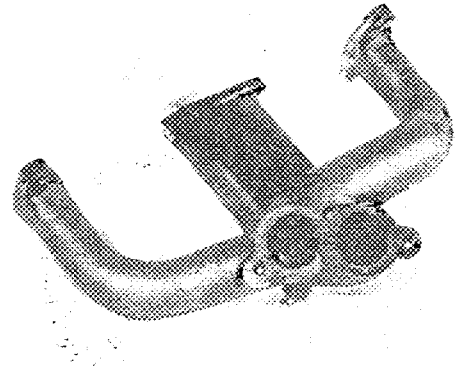
O, engine in car with all accessories, bonnet open or removed.



P, inlet manifold

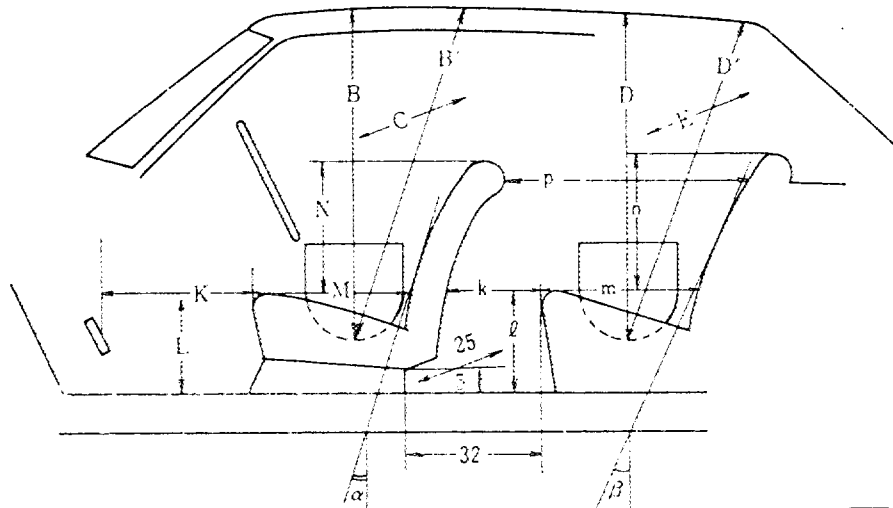


Q, exhaust manifold



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

For four seaters :



Minimum Dimensions (cm)							
B	B'	$\alpha$	C	D	D'	$\beta$	E
95	98	21	120	95	95	25	124

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



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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 :

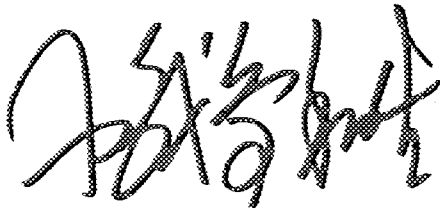
mm

inches

321. Drawing of cylinder parts.

330. Supercharging—state full details hereafter :

JAPAN AUTOMOBILE FEDERATION



Kazunari Komotori

