



JAPAN AUTOMOBILE FEDERATION

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

5359

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 KE25-000001

engine 3K 000001

Recognition is valid from 1/7/70

Cylinder-capacity 1166 cm³ 71.1 cu. in.

Model Toyota Corolla Coupe SL, KE25-S

Manufacturer Toyota Motor Co., Ltd.

Manufacturer Toyota Motor Co., Ltd.

List 70/7

The manufacturing of the model described in this recognition form was started on Feb. 1970 and the minimum production of 5000 identical cars, in accordance with the specifications of this form was reached on May 1970

Photograph A, 3/4 view of car from front



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 KE25-S

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.

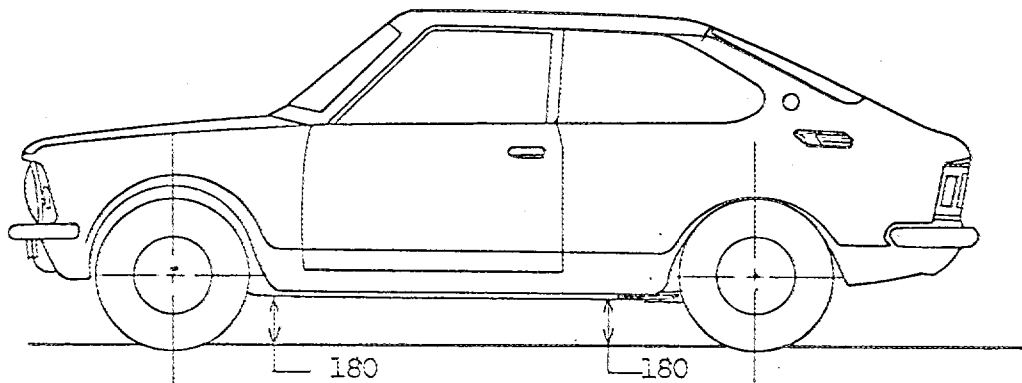
CAPACITIES AND DIMENSIONS

1. <u>Wheelbase</u>	2335	mm	91.9	inches
2. <u>Front track</u>	1255	mm	49.4	inches *
3. <u>Rear track</u>	1245	mm	49.0	inches *
4. Overall length of the car		394.5	cm	inches
5. Overall width of the car		150.5	cm	inches
6. Overall height of the car		134.5	cm	inches
7. <u>Capacity of fuel tank</u> (reserve included)			45	ltrs
	11.9	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:				
	715	kg	1575	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.



Unit : mm

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 ²	1 gallon Imp.	--	4.546 ltrs
1 cubic inch/pouce cube	--	16.387 cm ³	1 gallon US	--	3.785 ltrs
1 pound/livre (lb)	--	453.593 gr.	1 hundred weight (cwt)	--	50.802 kg

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 - ~~NO~~
- 41. Front seats, type of seats and upholstery Separate, Expanded vinyl leather
- 42. Weight of front seat (s), complete with supports and rails, out of the car :
13.1 kg x 2 kg lbs
- 43. Rear seats, type of seats and upholstery Bench, Vinyl leather
- 44. Front bumper, material (s) Steel Weight 3.7 kg lbs
- 45. Rear bumper, material (s) Steel Weight 4.1 kg lbs

WHEELS

- 50. Type Pressed steel
- 51. Weight (per wheel, without tyre) 5.0 kg lbs
- 52. Method of attachment 4 Nuts
- 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 3.3
- 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 shock absorbers 2	74. Type Hydraulic telescopic
78. Rear suspension (photogr. E), type	Rigid
79. Type of spring	Leaf
80. Stabiliser (if fitted)	
81. Number of shock absorbers 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	2

		FRONT		REAR	
		1		1	
93. Number of cylinders per wheel					
94. Bore of wheel cylinder (s)	47.6	mm	in.	20.6	mm in.
Drum brakes					
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.	35	mm in.
98. Number of shoes per brake				2	
99. Total area per brake		mm ²	sq. in.	134 x 10 ²	mm ² sq. in.
Disc brakes					
100. Outside diameter	200	mm	in.		mm in.
101. Thickness of disc	10	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 x 10 ²	mm ²	sq. in.		mm ² sq. in.

Make Toyota

Model KE25-S

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	75 mm	134. Stroke	66 mm
	2.96 in.		2.60 in.
135. Capacity per cylinder	291		cm ³ 17.8 cu. in.
136. Total cylinder-capacity	1166		cm ³ 71.1 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	10.0		
143. Volume of one combustion chamber	32.4		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			
	36 mm		inches
147. Crankshaft : moulded / xxxx		148. Type of crankshaft :	integral / xxxxxx
149. Number of crankshaft main bearings	5		
150. Material of bearing cap	Cast iron		
151. System of lubrication : xxxx / oil in sump			
152. Capacity, lubricant	3.5		ltrs pts quarts US
153. Oil cooler : xxxx / no			
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.	45	mm	in.

Weights

160. Flywheel (clean)	9.1	kg	lbs
161. Flywheel with clutch (all turning parts)			12.3 kg lbs
162. Crankshaft	8.9	kg	lbs
164. Piston with rings and pin	0.4	kg	lbs
			163. Connecting rod 0.47 kg lbs

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 35 mm 1.38 inches
 182. Max. valve lift 8.8 mm 0.35 in. 183. Number of valve springs 1
 184. Type of spring Coil 185. Number 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 29 mm 1.14 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 2 211. Type Down draught
 212. Make Aisan 213. Model 3K-B
 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 passage(s) ~~28 & 28 mm~~
 18 & 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.

Make Toyota

Model KE25-S

F.I.A. Rec. No.

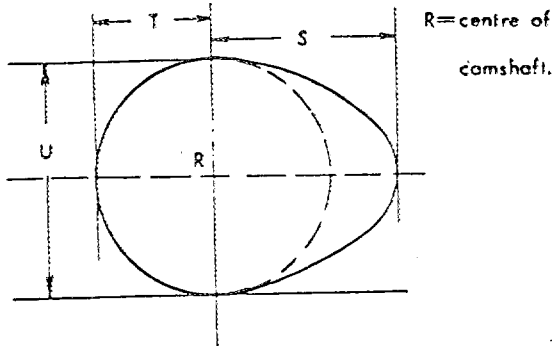
ENGINE ACCESSORIES

230. Fuel pump : mechanical and / electric	231. No. fitted	1
232. Type of ignition system Make & break	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 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 77 PS (type of horsepower: JIS) at 6600 rpm
251. Maximum rpm 6700 output at that figure 76.5 PS
252. Maximum torque 9.6 kg-m at 4600 rpm
253. Maximum speed of the car 160 km/hour miles / hour

255.



R=centre of camshaft.

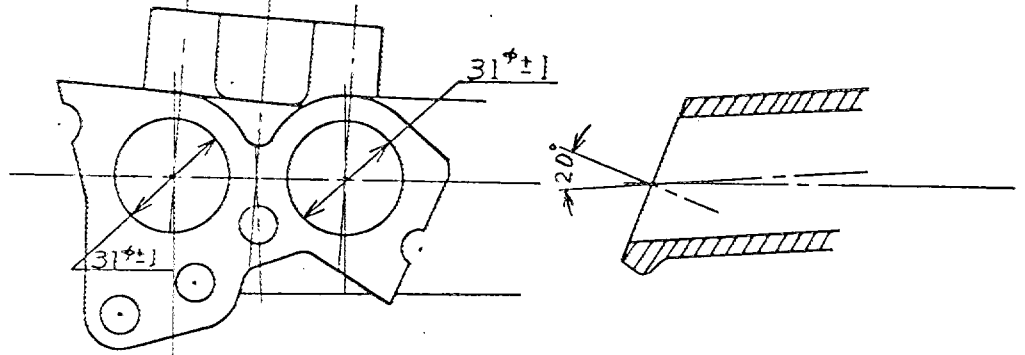
Inlet cam

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

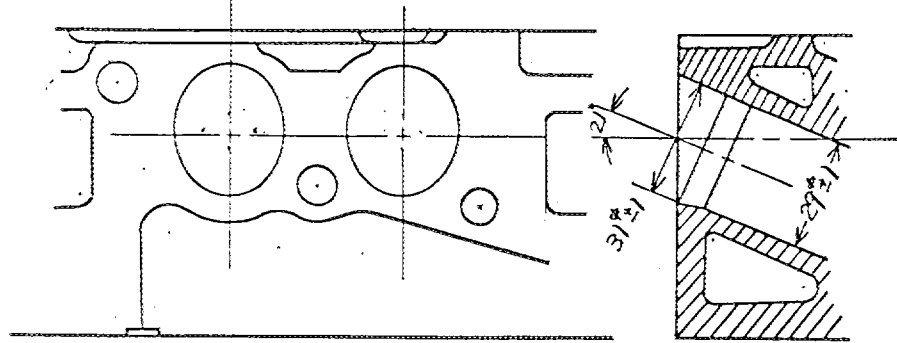
Exhaust cam

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

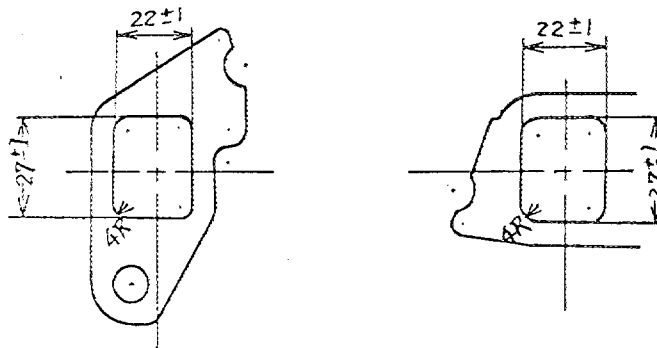
Drawing inlet manifold ports, side of cylinder-head. Indicate scale or dimensions and manufacturing tolerance.



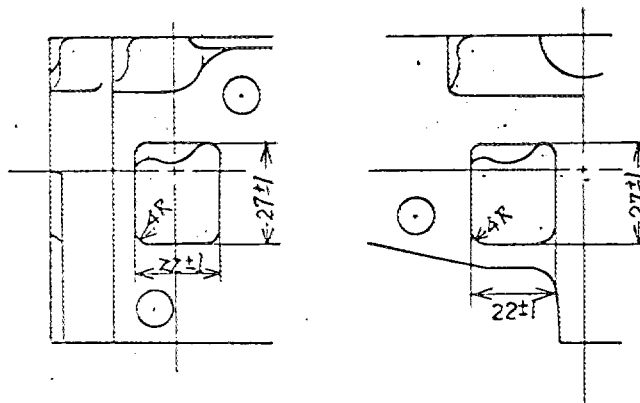
Drawing of entrance to inlet port of cylinder-head. Indicate scale or dimensions and manufacturing tolerance.



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

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	$\frac{32}{19} \times \frac{35}{16}$						
2	2.050	$\frac{32}{19} \times \frac{28}{23}$						
3	1.384	$\frac{32}{19} \times \frac{23}{28}$						
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

Make Toyota

Model KE25-S

F.I.A. Rec. No

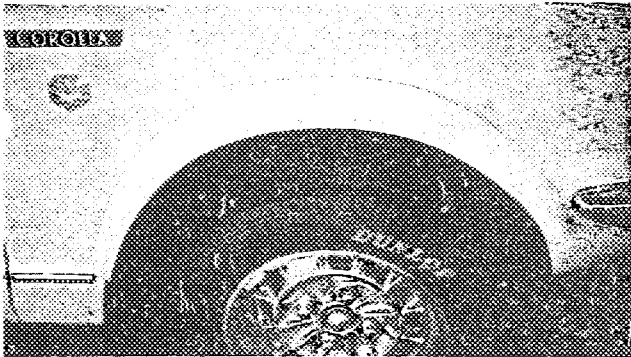
IMPORTANT. The conformity of the car with the following items of the present recognition form is to be disregarded during the scrutineering, when the vehicle has been entered in group 2 (Touring cars) or 3 (Grand Touring cars) : 41, 72, 80, 91, 142, 143, 144, 145, 146, 153, 156, 157, 160, 161, 162, 163, 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, 76, 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.

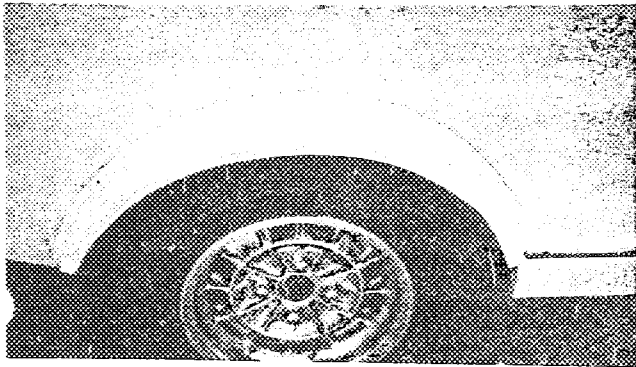
Optional equipment affecting preceding information. This to be stated together with reference number.

NOT VALID FOR GROUP 1 ONLY

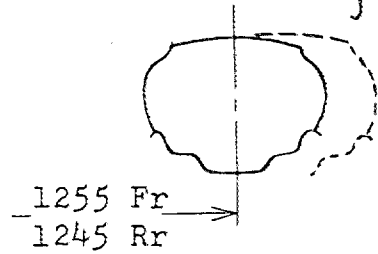
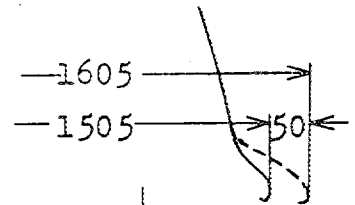
Wing extensions



Front



Rear



Center of original rim

Unit : mm

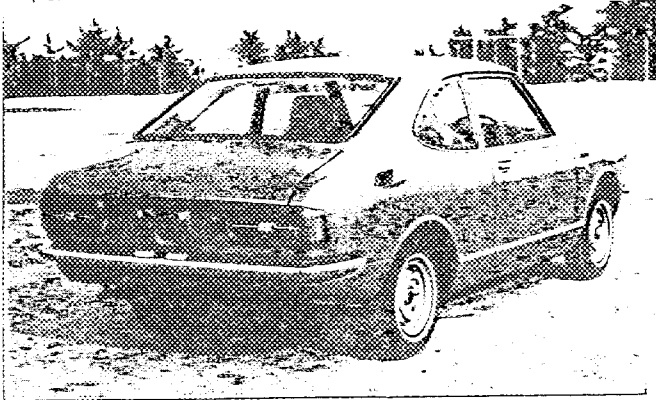
Make Toyota

Model KE25-S

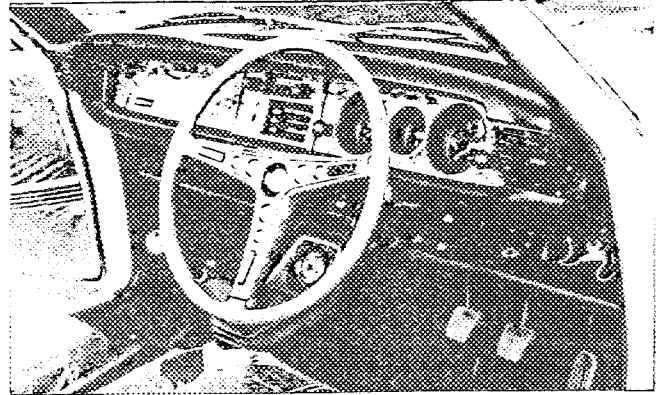
F.I.A. Rec. No.

Photograph

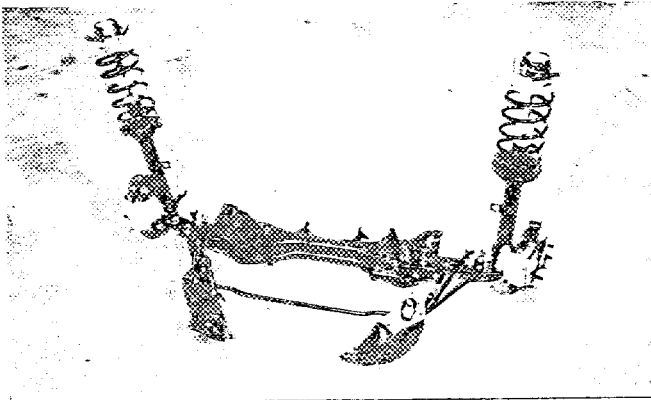
B, 3/4 view of car from rear



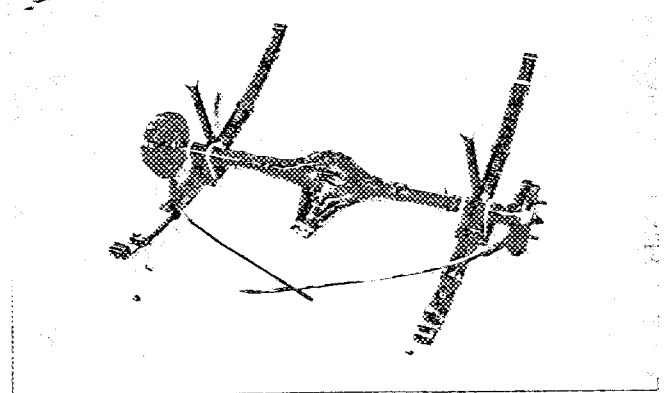
C, interior view of car through driver's side door with dashboard open or removed



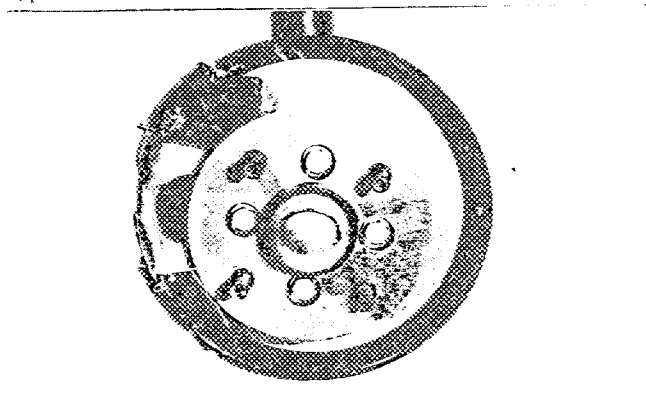
D, front axle complete, removed from car. Without wheels.



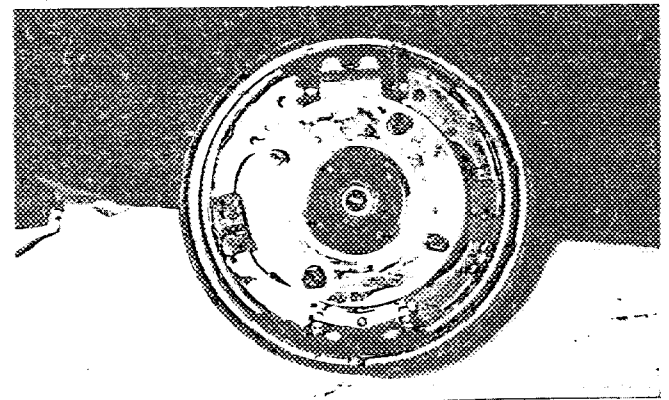
E, Rear axle complete without wheels, removed from car



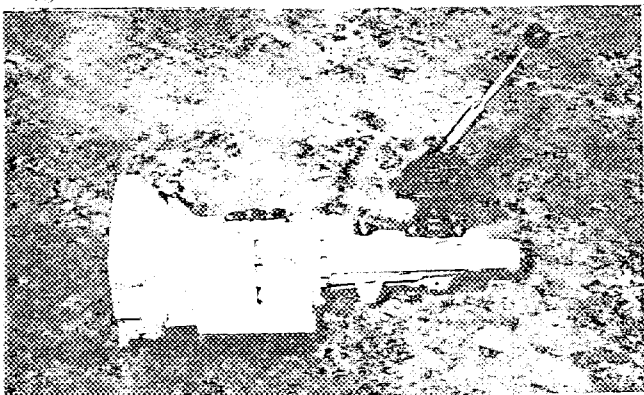
F, front brake, drum removed or disc with calipers



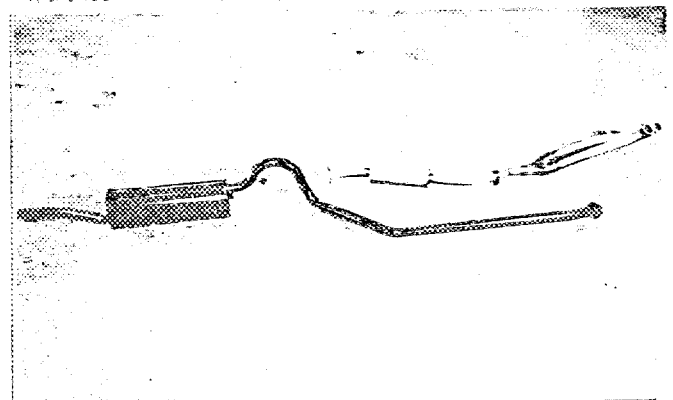
G, rear brake, drum removed or disc with calipers



H, gear-box, view from side

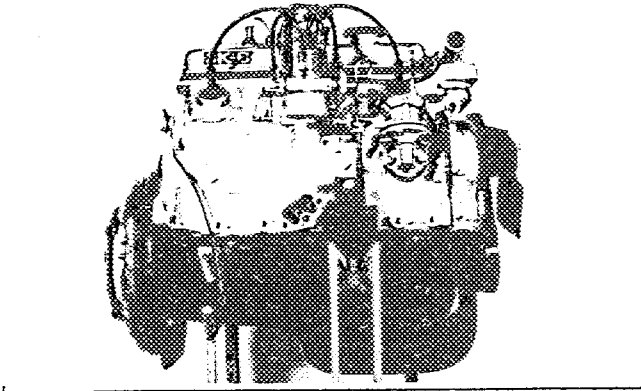


I, silencer + exhaust pipes after exhaust manifold



Make Toyota

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

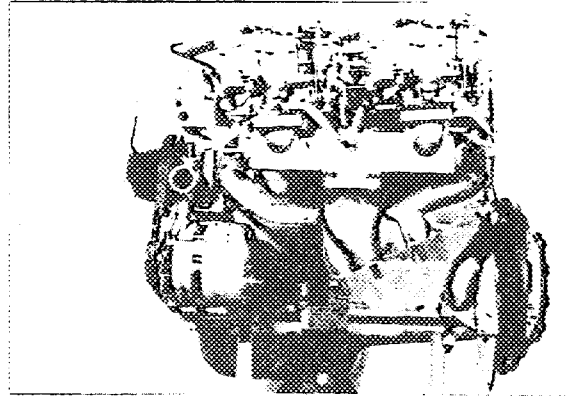


Model KE25-S

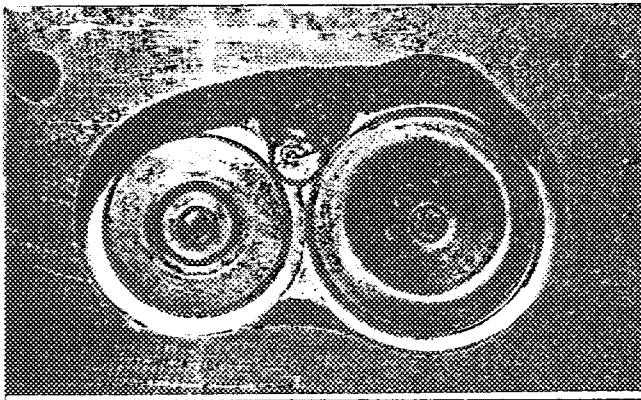
F.I.A. Rec. No

Photograph

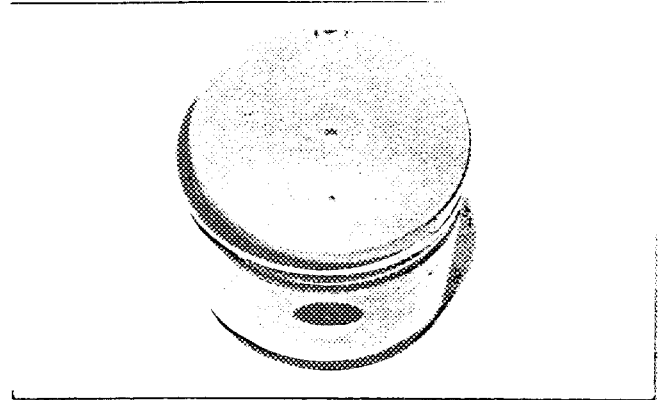
Engine unit out of car, from left. With clutch and accessories but without gear-box nor air filter.



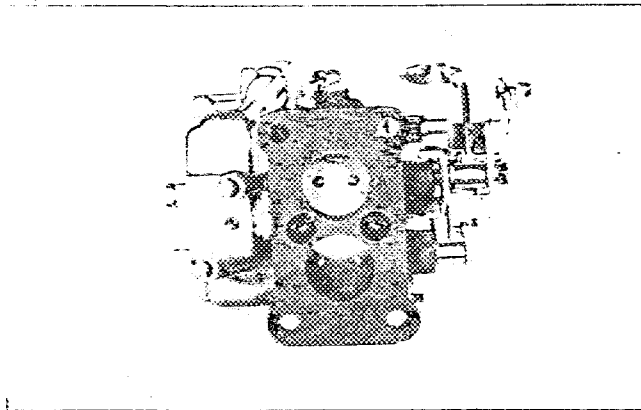
L, combustion chamber



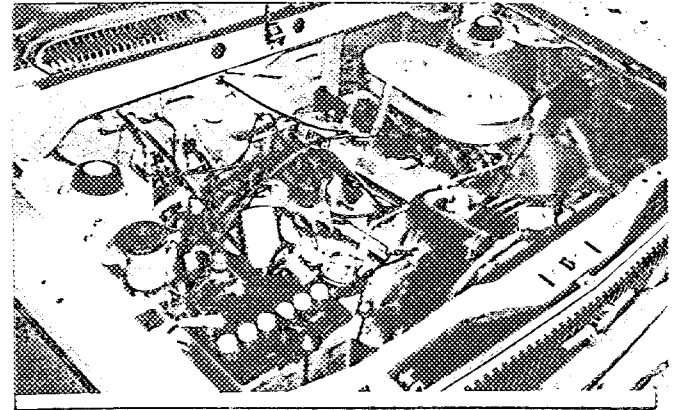
M, piston crown



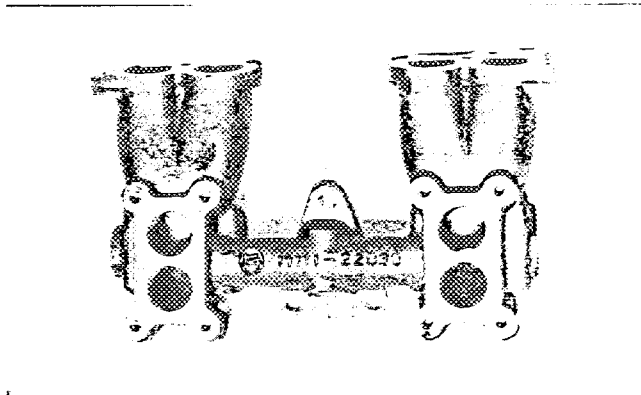
N, Carburettor (view from side of manifold)



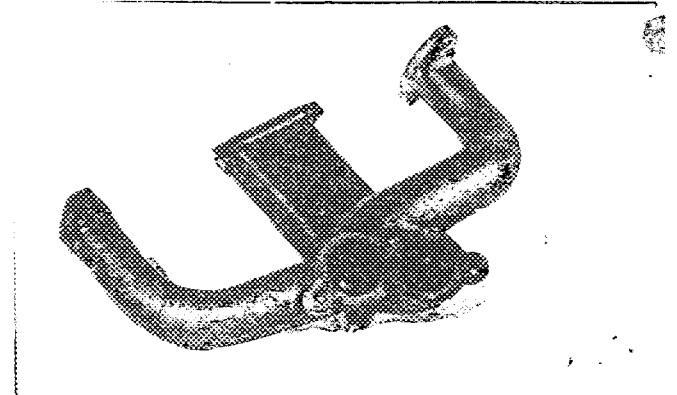
O, engine in car with all accessories, bonnet open or removed.



P, inlet manifold

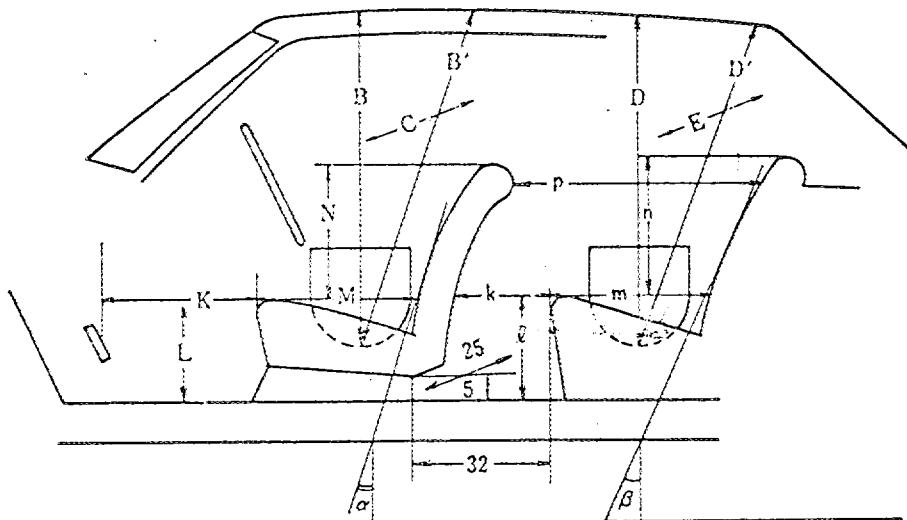


Q, exhaust manifold



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

For four seaters :



Minimum Dimensions (cm)							
B	B'	α	C	D	D'	β	E
96	107	24	129	94.5	96	25	128

Minimum Dimensions (cm)										
L	ℓ	M	m	N	n	k+m	p	k	k+l+m	K+L+M
30.5	32.0	48	43.5	56	43	65.5	57.0	22	97.5	121.5
0.9L = 27.45		0.65M = 40.8		0.8N = 44.8		0.8(k+m) = 52.4		(15)	(95)	(120)

Make Toyota

Model KE25-S

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

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

難波靖治

Yasuheru Nanba