



JAPAN AUTOMOBILE FEDERATION

社団法人 日本自動車連盟

JAF公認番号 T-169 72.5.4/70

発効年月日 71.4月1日

F. I. A. Recognition No. 5419
Group 1

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

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

国際自動車連盟規則第J項及びF.I.A.規則附録其重商規程第J項に於て公認書式。

Manufacturer 製造会社名 Toyota Motor Co., Ltd.

Serial No of chassis 製造開始年月日 番号 EE20-000001

engine 製造開始年月日 番号 T 0001001

Recognition is valid from 1/7/71

Cylinder-capacity 汽缸容量 Reciprocation 1407cm³ 85.9 cu.in.
Special cm³ cu.in.

Model 型式及通称 Toyota Corolla 1400, Hi-Deluxe EE20-H

Manufacturer 製造会社名 Toyota Motor Co., Ltd.

Manufacturer 製造会社名 Toyota Motor Co., Ltd.

List 71/7

The manufacturing of the model described in this recognition form was started on Sept, 1970 and the maximum production of 5000 identical cars, in accordance with the specifications of this form was reached on April, 71

Photograph A 3/4 view of car from front (S.A. 21M2000000000)



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

Variants				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	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 JAF

JAF公認印及び署名

庭山博史

Hiroshi Niwayama

Stamp and signature of the F. I. A.

Make Toyota

Model TE20-N
型式

J.A.F. 登録番号 T-167
F.I.A. Rec. No. 5419

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

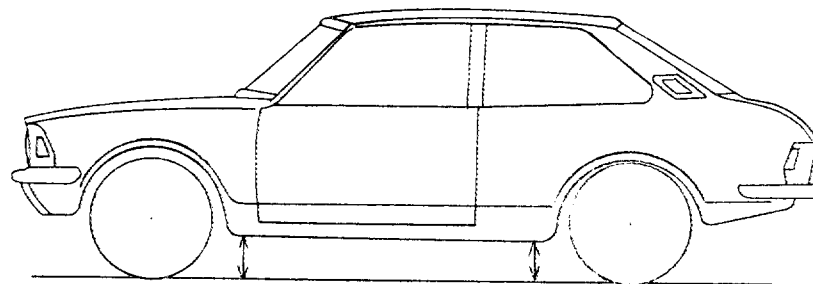
CAPACITIES AND DIMENSIONS
仕様諸元

1. <u>Wheelbase</u> ホイールベース	233.5	cm	91.9	inches
2. <u>Front track</u> フレッド (前)	126.0	cm	49.6	inches *
3. <u>Rear track</u> フレッド (後)	124.5	cm	49.0	inches *
4. Overall length of the car 全長		394.5	cm	inches
5. Overall width of the car 全幅		150.5	cm	inches
6. Overall height of the car 全高		137.5	cm	inches
7. <u>Capacity of fuel tank (reserve included)</u> 燃料タンク容量			45	ltrs
	11.9	Gallon US		Gallon Imp.
8. Seating capacity 定員	5			
9. <u>Weight, total weight of the car with normal equipment, water, oil and spare wheel but without fuel nor repair tools.</u> 車両重量 (冷却水、オイル、スペアタイヤを含む標準状態の車両重量、但し燃料、車載工具を除く)		775	kg	1708 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.



185 mm

185 mm

Unit : mm

Width of the car measured in the vertical plane passing through the axle of the wheels.

車軸上の車体幅	Front フロント	150.5	cm	Rear リア	150.5	cm
---------	---------------	-------	----	------------	-------	----

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 carre	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)
シャーシ、ボディ

20. Chassis/body construction : ~~XXXXX~~ / unitary construction
シャーシ/ボディの構造 ~~XXXXX~~ / 一体構造
21. Unitary construction, material (s) : Steel
一体構造の場合その材質
22. Separate constructions, material (s) of chassis :
セパレート構造の場合その材質
23. Material (s) of coachwork :
ボディの材質
24. Number of doors : 2 Material (s) : Steel
ドアの数 材質
25. Material (s) of bonnet : Steel
ボンネットの材質
26. Material (s) of boot lid : Steel
トランクカゴの材質
27. Material (s) of rear-window : Glass
リアウインドウの材質
28. Material (s) of windscreen : Glass
フロントウインドウの材質
29. Material (s) of front-door windows : Glass
フロントドアウインドウの材質
30. Material (s) of rear-door windows : Glass
リアドアウインドウの材質
31. Sliding system of door windows : Vertical, Manual
ドアウインドウの開閉方式
32. Material (s) of rear-quarter light : Glass
リアクォーターウインドウの材質

ACCESSORIES AND UPHOLSTERY
アクセサリ

38. Interior heating : Yes - ~~XX~~
39. Air-conditioning : ~~XXXX~~ - no
40. Ventilation : yes - ~~XX~~
41. Front seats, type of seats and upholstery : Separate, Vinyl
42. Weight of front seat (s), complete with supports and rails, out of the car :
13.1 x 2 kg lbs
43. Rear seats, type of seats and upholstery : Bench, Vinyl
44. Front bumper, material (s) : Steel Weight : 3.7 kg lbs
フロントバンパーの材質 重量
45. Rear bumper, material (s) : Steel Weight : 4.1 kg lbs
リアバンパーの材質 重量

WHEELS
ホイール

50. Type : Pressed steel
形式
51. Weight (per wheel, without tyre) : 5.4 kg lbs
重量
52. Method of attachment : 4 Nuts
取付け方法
53. Rim diameter : 330 mm 13 inches
リム径
54. Rim width : 102 mm 4 inches
リム幅

STEERING
ステアリング

60. Type : Recirculating ball
形式
61. Servo-assistance : ~~XXXX~~ - no
パワーステアリング ~~XXXX~~ 無
62. Number of turns of steering wheel from lock to lock : 3.3
ロックツーロック
63. In case of servo-assistance

Make Toyota

Model TE20-N
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SUSPENSION

サスペンション

- | | | | |
|---|---|----------------|----------------------|
| 70. Front suspension (photogr. D), type
フロントサスペンションの形式 | | | Moperson |
| 71. Type of spring
スプリングの種類 | | | Coil |
| 72. Stabiliser (if fitted) | | | Torsion bar |
| 73. Number of shockabsorbers
ショックアブソーバーの数 | 2 | 74. Type
形式 | Hydraulic telescopic |
| 78. Rear suspension (photogr. E), type
リヤサスペンションの形式 | | | Rigid |
| 79. Type of spring
スプリングの種類 | | | Leaf |
| 80. Stabiliser (if fitted) | | | |
| 81. Number of shockabsorbers
ショックアブソーバーの数 | 2 | 82. Type
形式 | Hydraulic telescopic |

BRAKES (photographs F and G)
ブレーキ

- | | |
|---|-----------|
| 90. System
作動方式 | Hydraulic |
| 91. Servo-assistance (if fitted), type
サーボシステムの形式 | |
| 92. Number of hydraulic master cylinders
マスターシリンダーの数 | 1 |

	FRONT フロント		REAR リヤ	
	1		1	
93. Number of cylinders per wheel ホイール当りのシリンダー数				
94. Bore of wheel cylinder (s) ホイールシリンダーの内径	47.6	mm	19.0	mm
Drum Brakes ドラムブレーキ				
95. Inside diameter ドラムの内径		mm	229	mm
96. Length of brake linings ライニングの長さ		mm	243	mm
97. Width of brake linings ライニングの幅		mm	40	mm
98. Number of shoes per brake ブレーキ当りのシューの数			2	
99. Total area per brake 1ブレーキ当りの総摩擦面積		mm ²	sq. in. 194x10 ²	mm ² sq. in.
Disc brakes ディスクブレーキ				
100. Outside diameter ディスクの外径	230	mm		mm in.
101. Thickness of disc ディスクの厚さ	9	mm		mm in.
102. Length of brake linings パッドの長さ	97	mm		mm in.
103. Width of brake linings パッドの幅	46	mm		mm in.
104. Number of pads per brake ブレーキ当りのパッドの数	2			
105. Total area per brake 1ブレーキ当りの総摩擦面積	78x10 ²	mm ²	sq. in.	mm ² sq. in.

Make Toyota

Model TE20-N
型式

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ENGINE (photographs J and K) **

130. Cycle サイクル	4	131. Number of cylinders シリンダー数	4
132. Cylinder arrangement シリンダー配列	in-line		
133. Bore ボア	80 mm	134. Stroke ストローク	70 mm
135. Capacity per cylinder 1シリンダーの排気量	352		2.76 in.
136. Total cylinder-capacity 総排気量	1407		21.48 cu. in.
137. Material (s) of cylinder block シリンダーブロックの材質	Cast iron		
138. Material (s) of sleeves (if fitted) スリーブの材質			
139. Cylinder-head, material (s) シリンダーヘッドの材質	Aluminum-alloy	Number fitted 数	1
140. Number of inlet ports 吸気孔の数	4	141. Number of exhaust ports 排気孔の数	4
142. Compression ratio	8.5		
143. Volume of one combustion chamber		46.9 cm ³	cu. in.
144. Piston, material ピストンの材質	Aluminum-alloy	145. Number of rings リングの数	3
146. Distance from gudgeon pin centre line to highest point of piston crown	46 mm		inches
147. Crankshaft : moulded / XXXX クランクシャフト 鋳造 / 鍛造		148. Type of crankshaft : integral / XXXX クランクシャフトの形式 : 一体式 /	
149. Number of crankshaft main bearings メインベアリングの数	5		
150. Material of bearing cap ベアリングキャップの材質	Cast iron		
151. System of lubrication : dry sump / oil in sump 潤滑方式 : ドライサンプ / ウェットサンプ			
152. Capacity, lubricant 潤滑油容量	3.7 ltrs		quarts US
153. Oil cooler : yes / no オイルクーラー : 有 / 無		154. Method of engine cooling エンジン冷却方式	Water
155. Capacity of cooling system	6.5 ltrs		quarts US
156. Cooling fan (if fitted), dia.	320 mm		inches
157. Number of blades of cooling fan	4		

Bearings **
ベアリング

158. Crankshaft main, type メインベアリングの形式	Plain	Dia. 内径	58 mm	in.
159. Connecting rod big end, コネクティングロッド大端部ベアリングの形式	Plain	Dia. 内径	48 mm	in.

Weights **

160. Flywheel (clean)	10.2 kg		lbs
161. Flywheel with clutch (all turning parts)		15.0 kg	lbs
162. Crankshaft	11.8 kg	163. Connecting rod	0.62 kg
164. Piston with rings and pin	0.53 kg		lbs

** for additional information concerning Wankel rotary engines see page 15, 16
ロータリーエンジンは15、16頁参照

Make Toyota

Model TE20-N
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ENGINE ACCESSORIES

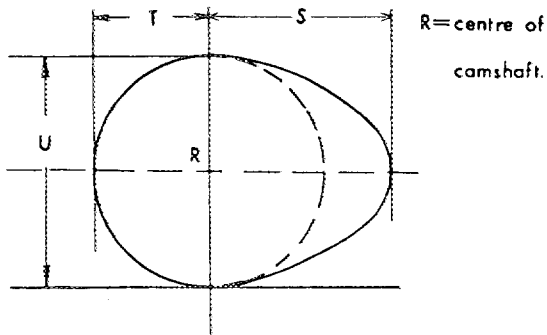
エンジン補機

- | | | | |
|--|--------------|---|--------|
| 230. Fuel pump : mechanical and / or electric
燃料ポンプ 機械式/電気式 | | 231. No. fitted
ポンプの数 | 1 |
| 232. Type of ignition system
点火方式 | Make & Break | 233. No. of distributors
ディストリビューターの数 | 1 |
| 234. No. of ignition coils
コイルの数 | 1 | 235. No. of spark plugs per cylinder/ rotor
シリンダー当りのプラグ数(XXXXXX) | 1 |
| 236. Generator, type dynmo /alternator-number fitted
発電機 X 交流/交流 数 | | 237. Method of drive
駆動方式 | V belt |
| 238. Voltage of generator | 12 volts | 239. Battery, number
バッテリーの数 | 1 |
| 240. Location
バッテリー位置 | Engine room | | |
| 241. Voltage of battery
バッテリー電圧 | 12 volts | | |

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

- | | | | |
|-------------------------------|-----------|----------------------------|--------------|
| 250. Max. engine output | 86 PS | (type of horsepower: JIS) | at 6000 rpm |
| 251. Maximum rpm | 6350 | output at that figure | 86 PS(JIS) |
| 252. Maximum torque | 11.7 Kg-m | at 3800 rpm | |
| 253. Maximum speed of the car | 160 | km/hour | miles / hour |

255. Cam profile
カムプロフィール



Inlet cam

吸気カム				
S =	22.4	mm	0.88	inches
T =	16.0	mm	0.63	inches
U =	32.0	mm	1.26	inches

Exhaust cam

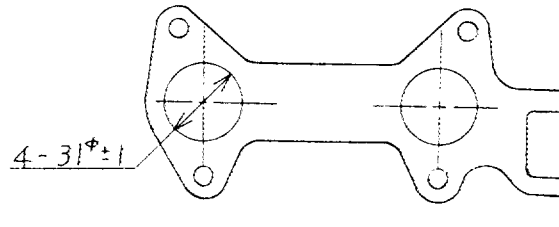
排気カム				
S =	22.4	mm	0.88	inches
T =	15.9	mm	0.63	inches
U =	31.9	mm	1.26	inches

Make Toyota

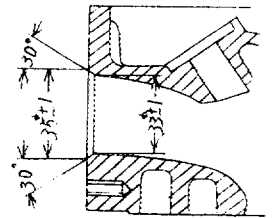
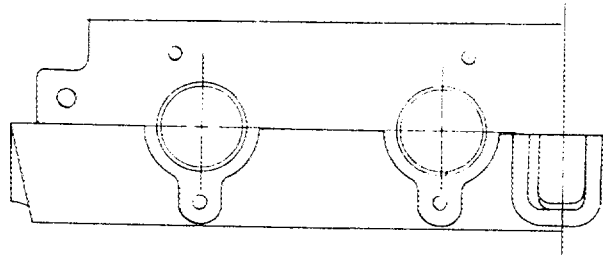
Model 型式 TE20-N

J.A.F.公認番号 T-1637
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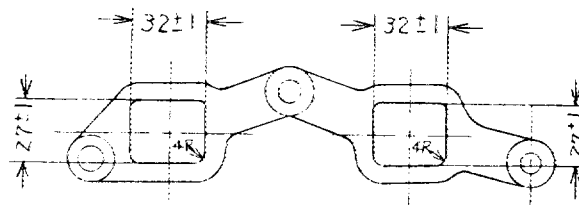
Drawing inlet manifold ports, side of cylinder-head/~~heads~~ scale or dimensions and manufacturing tolerance.



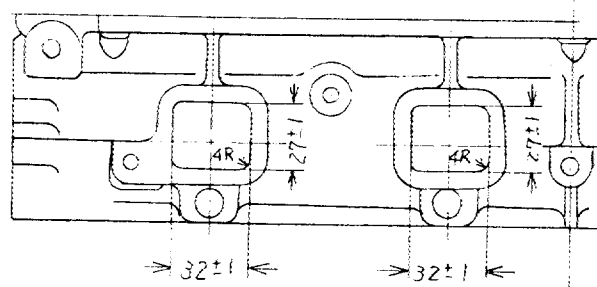
Drawing of entrance to inlet port of cylinder-head/~~heads~~ scale or dimensions and manufacturing tolerance.



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



Drawing of exit to exhaust port of cylinderhead/~~heads~~ indicate scale or dimensions and manufacturing tolerance.



Unit: mm

Tolerance: ± 1

Make Toyota

Model TE20-N
型式

J.A.F.公認番号
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T-187
5419

DRIVE TRAIN

駆動系

CLUTCH

クラッチ

260. Type of clutch 形式 Dry single plate
262. Dia. of clutch plates 形式 194 mm inches
プレッシャープレートの外径
263. Dia. of linings inside 形式 132 mm in.
フェーシングの内径
264. Method of operating clutch 作動方式 Hydraulic

261. No. of plates 1
プレッシャープレートの数
outside 190 mm in.
外径

GEAR BOX (photograph H)
トランスミッション

270. Manual type, make 形式 Toyota
手動式の製造会社名
271. No. of gear-box ratios forward 前進段数 4
273. Location of gear-shift シフトレバーの位置 Floor
274. Automatic, make 自動式の製造会社名
275. No. of forward ratios 前進段数

- Method of operation 作動方式 Mechanical
272. Synchronized forward ratios 1.2.3. & 4

- type 形式
276. Location of gear-shift シフトレバーの位置

277.	Manual 手動		Automatic 自動		Alternative manual/automatic 手動/自動			
	Ratio ギヤー比	No. teeth 歯数	Ratio ギヤー比	No. teeth 歯数	Ratio ギヤー比	No. teeth 歯数	Ratio ギヤー比	No. teeth 歯数
1	3.59	$\frac{33}{23} \times \frac{35}{14}$						
2	2.02	$\frac{33}{23} \times \frac{31}{22}$						
3	1.38	$\frac{33}{23} \times \frac{27}{28}$						
4	1.00							
5								
6								
reverse リバース	3.48	$\frac{33}{23} \times \frac{34}{14}$						

278. Overdrive, type オーバードライブ形式
279. Forward gears on which overdrive can be selected オーバードライブの作動段数
280. Overdrive ratio オーバードライブ比

FINAL DRIVE

ファイナル

290. Type of final drive 形式 Hypoid gear
291. Type of differential 差動機形式 Bevel gear
292. Type of limited slip differential (if fitted) リミテッドスリップデフの形式
293. Final drive ratio ギヤー比 4.11 3.900
Number of teeth 歯数 37/9 39/10

Make Toyota

Model TE20-N
型式

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Optional equipment affecting preceding information. This to be stated together with reference number.
オプション:

Disc brake on front

93 : Number of cylinders per wheel	2	
94 : Bore of wheel cylinder (s)	48.1	mm
100 : Outside diameter	244	mm
101 : Thickness of disc	10	mm
102 : Length of brake linings	47.5	mm
103 : Width of brake linings	60.9	mm
104 : Number of pads per brake	2	
105 : Total area per brake	56 x 10 ²	mm ²

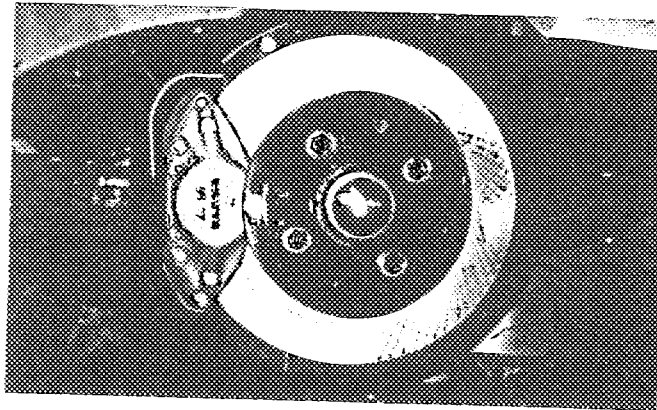


Photo. F, Front brake disc with caliper(s)

(Part number : 47710-20010)
47720-20010

Make Toyota

Model TE20-N

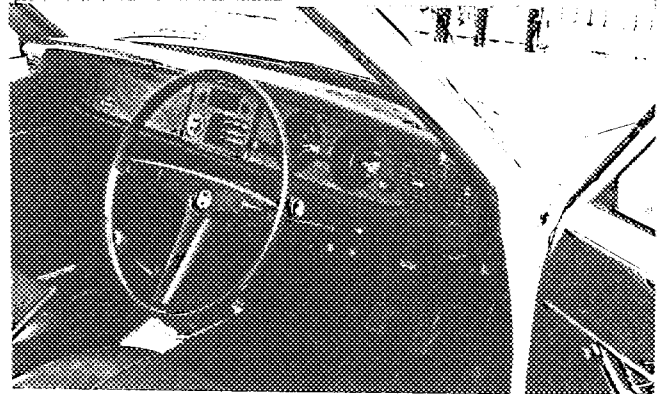
J.A. Edgar & Sons T-1687
F.I.A. Rec. No. 5419

Photograph

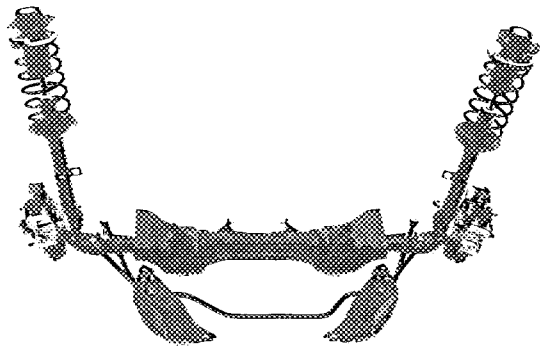
B, 3/4 view of car from rear, right side.



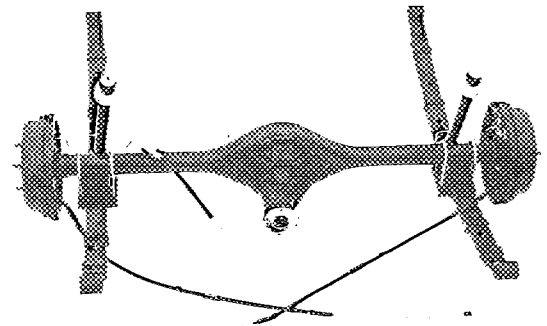
C, Interior view of car through driver's door. Instrument removed with dashboard.



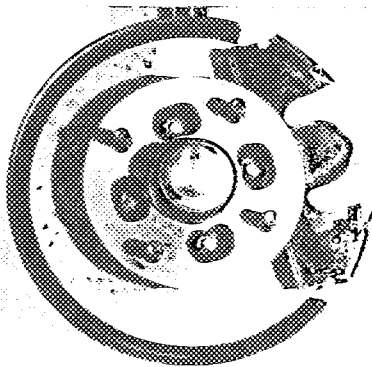
D, Front axle complete, removed from car. Without wheels.



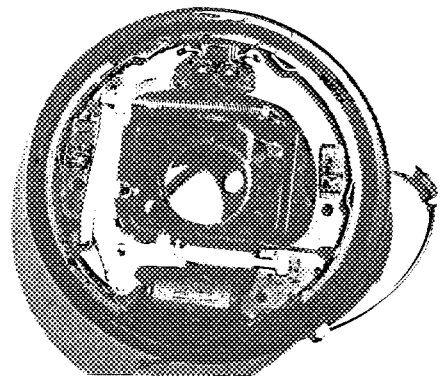
E, Rear axle complete without wheels, removed from car.



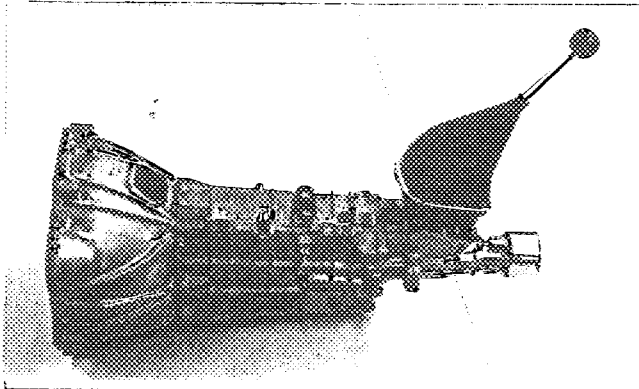
F, Front brake drum with subject's tire.



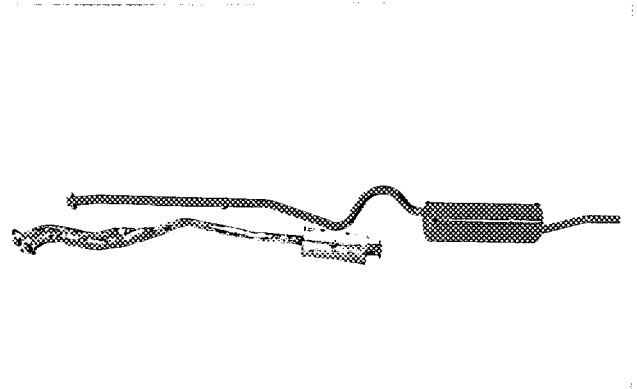
G, Rear brake drum removed with subject's tire.



H, 3/4 view from side of engine.



I, Front of exhaust pipes after exhaust manifold block.



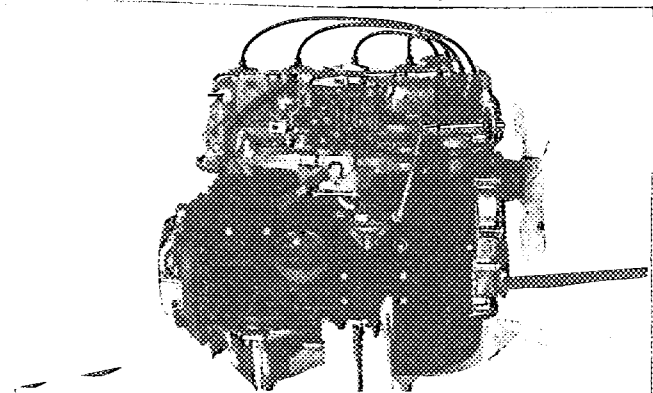
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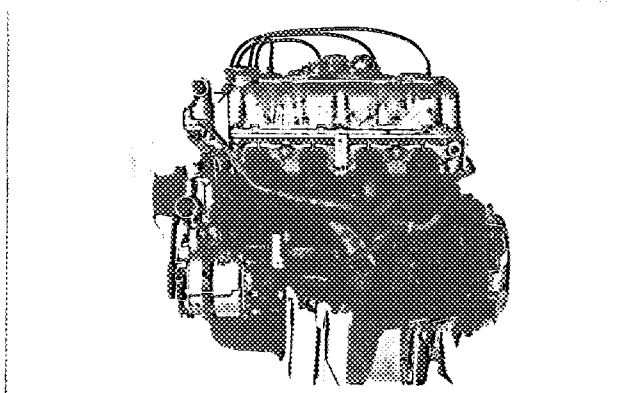
JA F 1000 T-169
E.L.A. Rec. No. 5419

Photograph

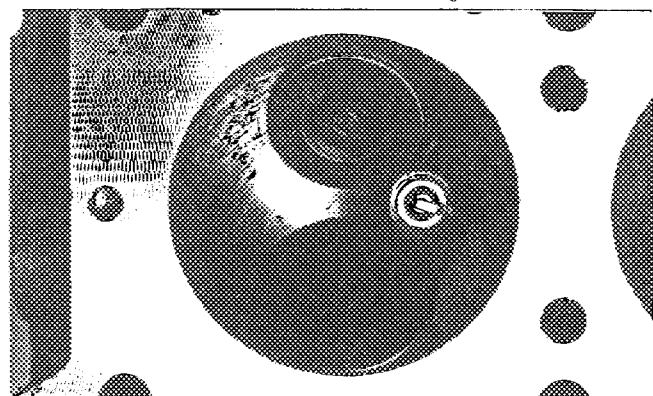
J, Engine unit out of car, from right. With clutch and accessories but without air filter nor gear-box.



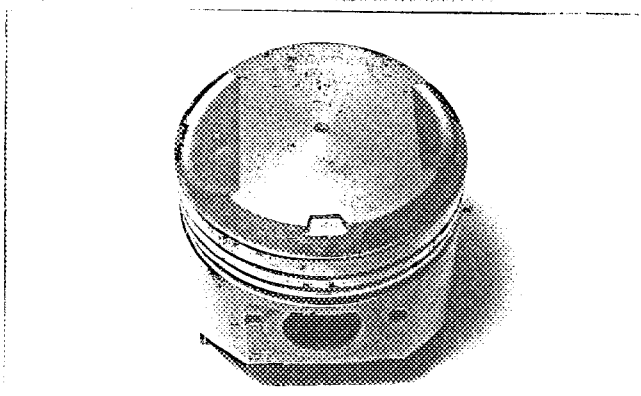
K, Engine unit out of car, from left. With clutch and accessories but without gear-box nor air filter.



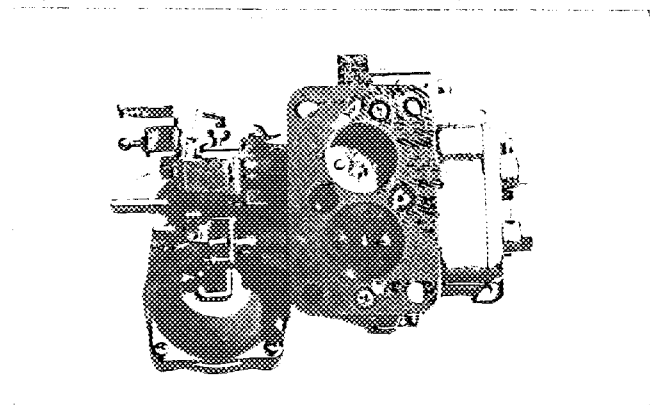
L, Combustion chamber. Kofor Housing XXXXXXXX



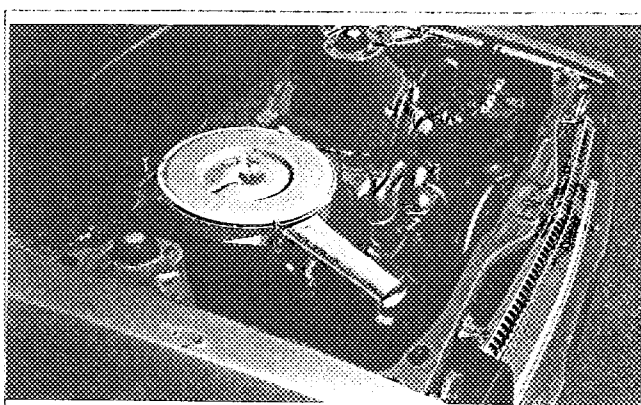
M, Piston crown. Kofor Housing XXXXXXXX



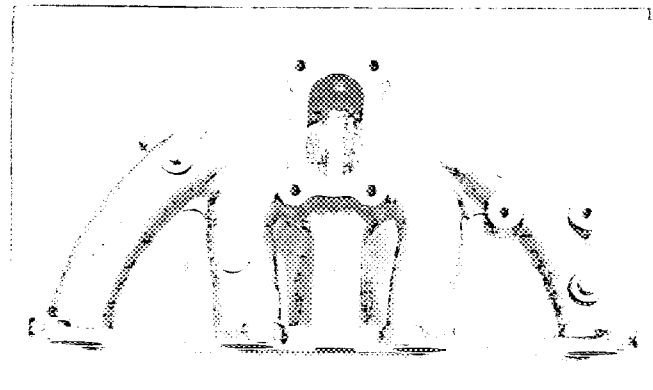
N, Carburettor. View from side of manifold.



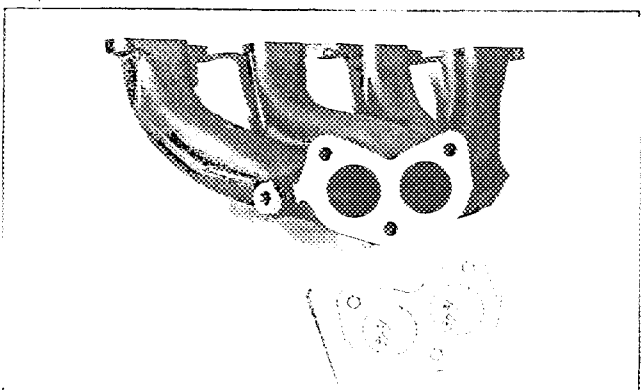
O, Engine in car with all accessories, bonnet open or removed.



P, Inlet manifold. Kofor Housing

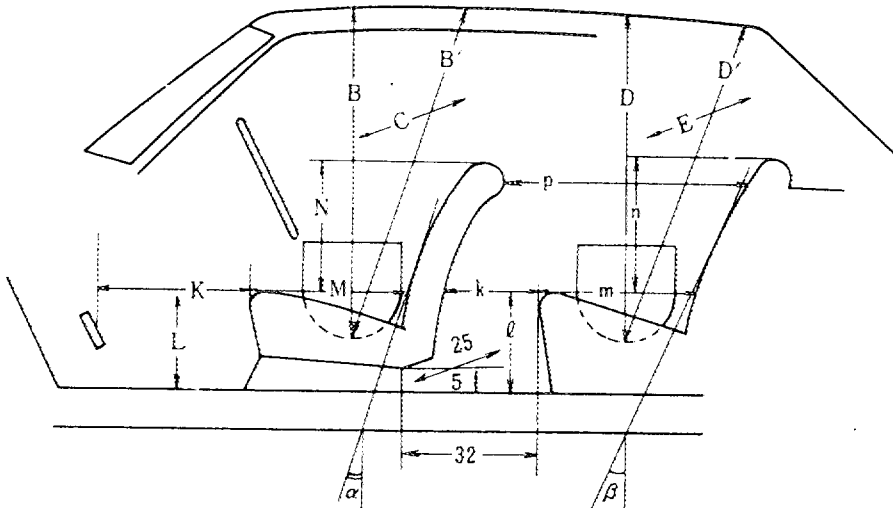


Q, Exhaust manifold. Kofor Housing



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

For four seaters:
4座席

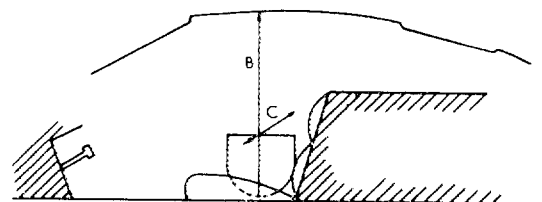


Minimum Dimensions (cm)							
B	B'	α	C	D	D'	β	E
97	108	24°	129	95.5	97	24°	128

Minimum Dimensions (cm)										
L	ℓ	M	m	N	n	k+m	p	k	k+l+m	K+L+M
30.5	32	48	43.5	56	45	66	57	22.5	98	122
0.9L = 27.45		0.85M = 40.8		0.8N = 44.8		0.8(k+m) = 52.8		(15)	(95)	(120)

For two seaters:
2座席

Minimum Dimensions	
B	C
cm	cm



Make Toyota

Model
型式 TE20-N

J.A.F.公認番号

T-167

F.I.A. Rec. No.

TWO STROKE ENGINES
2サイクルエンジン

300. System of cylinder scavenging 掃気方式					
301. Type of lubrication 潤滑方式					
302. Inlet ports, length measured around cylinder wall 吸気孔の幅			mm		inches
303. Height inlet port 吸気孔の高さ	mm	in.	304. Area 吸気孔の総面積	mm ²	sq. in.
305. Exhaust ports, length measured around cylinder wall 排気孔の幅			mm		inches
306. Height exhaust port 排気孔の高さ	mm	in.	307. Area 排気孔の総面積	mm ²	sq. in.
308. Transfer port, length measured around cylinder wall 掃気孔の幅			mm		inches
309. Height transfer port 掃気孔の高さ	mm	in.	310. Area 掃気孔の総面積	mm ²	sq. in.
311. Piston ports, length measured around piston ピストンポートの幅			mm		inches
312. Height piston port ピストンポートの高さ	mm	in.	313. Area ピストンポートの総面積	mm ²	sq. in.
314. Method of precompression プレコンプレッション方式			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 : 排気孔の最高点とブロック上面との距離				mm	inches
319. Distance from top of cyl. block to lowest point of inlet port : 吸気孔の最低点とブロック上面との距離				mm	inches
320. Distance from top of cyl. block to highest point of transfer port : 掃気孔の最高点とブロック上面との距離				mm	inches
321. Drawing of cylinder ports. シリンダーポート展開図					

330. Supercharging—state full details hereafter :
過給器

Unit: mm

Tolerance:

Make Toyota

Model TE20-N
型式

J.A.F. 公認番号 T-167

F.I.A. Rec. No.

Wankel Rotary Engine (photographs J and K)
ロータリーエンジン

400. Type & cycle 形式及びサイクル			
401. No of rotors ローターの数			
402. Rotor arrangement ローターの配列			
403. Trochoid, length of major Axis トロコイド長軸長さ	mm		in.
404. Trochoid, length of minor Axis トロコイド短軸長さ	mm		in.
405. Trochoid, width トロコイドの幅	mm		in.
406. Trochoid, generating radius (Containing equidistance) トロコイドの生成半径(平行移動量を含む)	mm		in.
407. Eccentricity 偏心率	mm		in.
408. Capacity per Rotor 1ローター当りの排気量	cm ³		cu. in.
409. Total capacity 総排気量	cm ³		cu. in.
410. Equivalent total capacity (by App. J Art. 252) 換算総排気量(J法 252条による)	cm ³		cu. in.
411. Material(s) of side housing サイドハウジングの材質			
412. Material(s) of rotor housing ローターハウジングの材質			
413. Number of inlet ports 吸気孔の数			
414. Number of exhaust ports 排気孔の数			
415. Compression ratio			
416. Volume of one combustion chamber	cm ³		cu. in.
417. Rotor material ローターの材質			
418. Number of apex seal per rotor ローター当りのアペックスシールの数			
419. Number of corner seal per rotor ローター当りのコーナースシールの数			
420. Number of side seal per rotor ローター当りのサイドシールの数			

Make Toyota

Model TE20-N

J.A.F. 公認番号 T-1687

F.I.A. Rec. No.

- 421. Number of oil scraping ring per rotor
I ローター当りのオイルリングの数
- 422. Eccentric shaft: moulded/stamped
偏心軸: 鋳造/鍛造
- 423. Type of eccentric shaft: integral/
偏心軸の形式: 一体式/
- 424. Number of eccentric shaft main bearings
メインベアリングの数

Bearing
ベアリング

- | | | | | |
|--|------------|------------|----|-----|
| 440. Eccentric shaft, main
メインベアリング | Type
形式 | Dia.
内径 | mm | in. |
| 441. Rotor bearing
ローターベアリング | Type
形式 | Dia.
外径 | mm | in. |

Weights

- 450. Flywheel (clean) kg
- 451. Flywheel with clutch (all turning parts) kg
- 452. Eccentric shaft kg
- 453. Rotor with seals, gear and bearing kg

Inlet (See page 8)
吸気系

- 460. Material(s) of inlet manifold
マニホールドの材質
- 461. Location of inlet ports
吸気口の位置
- 462. Inlet port area per rotor. mm² sq. in.
- 463. Inlet port open at (with tolerance)
吸気口開き時の公差を含む
- 464. Inlet port close at (with tolerance)
吸気口閉じ時の公差を含む
- 465. Air filter type

Exhaust (See page 8)
排気系

- 470. Material(s) of exhaust manifold
マニホールドの材質
- 471. Location of exhaust ports
排気口の位置
- 472. Exhaust port area per rotor. mm² sq. in.
- 473. Exhaust port open at (with tolerance)
排気口開き時の公差を含む
- 474. Exhaust port close at (with tolerance)
排気口閉じ時の公差を含む

Make Toyota

Model TE20-N
型式

J.A.F.公認番号 7-169
F.I.A. Rec. No. 5419

Optional

GEAR BOX

271 : No. of gear-box ratios forward

5

272 : Synchronized forward ratios

1, 2, 3, 4 & 5

277	Manual	
	Ratio	No. teeth
1	3.59	$\frac{33}{23} \times \frac{35}{14}$
2	2.02	$\frac{33}{23} \times \frac{31}{22}$
3	1.38	$\frac{33}{23} \times \frac{27}{28}$
4	1.00	
5	0.86	$\frac{33}{23} \times \frac{21}{35}$
reverse	3.48	$\frac{33}{23} \times \frac{34}{14}$

Photo. H, Gear-box, View from side

(Part number : 33110-14050)

FINAL DRIVE

293 : Final drive ratio

3.7

4.375

Number of teeth

37/10

35 / 8

Make Toyota

Model TE20-N
型式

J.A.F.公認番号 T-167
F.I.A. Rec. No. 5419

Four door version

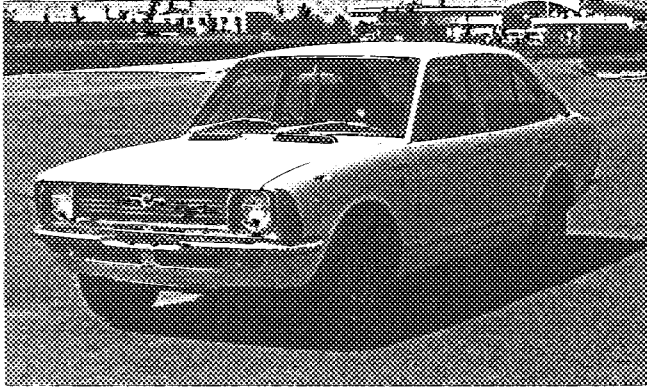


Photo. A, 3/4 view of car from front.

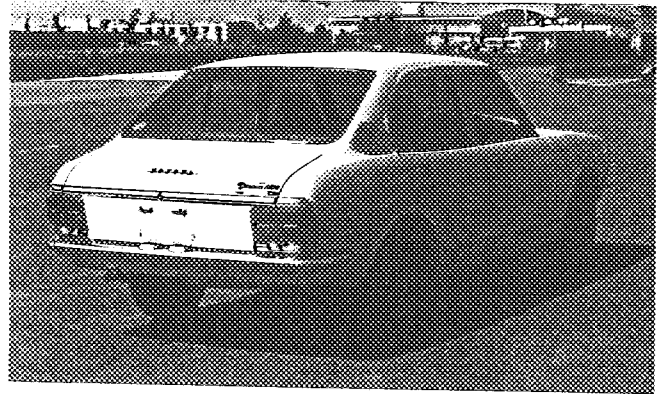


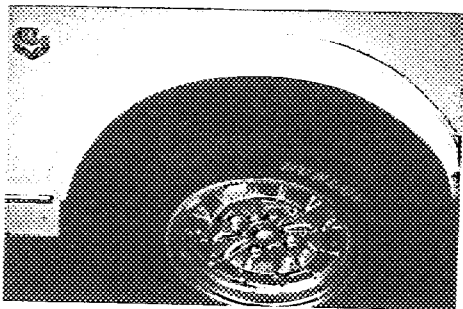
Photo. B, 3/4 view of car from rear

9. Weight 795 kg 1752 lbs cwt
車両重量

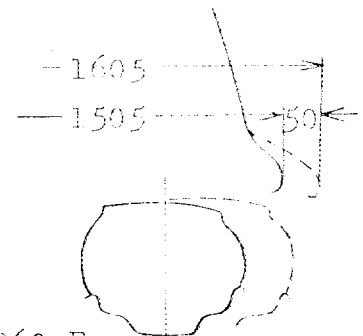
NOT VALID FOR GROUP 1 ONLY

Optional

Wing extensions

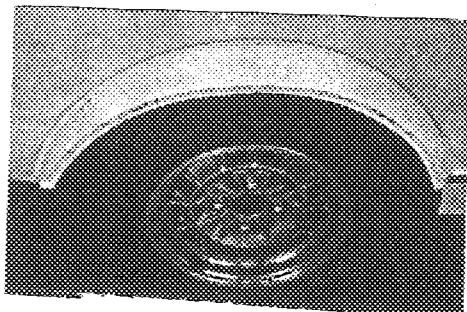


Photo, Front wing extension
Part number : (53818-06300)
53819-06300



1260 Fr
1245 Rr

Center of original rim



Photo, Rear wing extension
Part number : (61619-06300)
61629-06300

Unit : mm



JAPAN AUTOMOBILE FEDERATION

社団法人 日本自動車連盟

J.A.F. 申請番号
登録年月日

74.11.4
T-1677-1
71.4月末日

F. I. A. Homol. No 5419/1/1V

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

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

国際自動車連盟規約の付録Jに於て規定する国際自動車競技規則の承認書

Make Toyota Motor Co., Ltd. **Model** Toyota Corolla 1400 Hi-Deluxe, TE20-W.
 製造会社名 型名
Modification's application starts with serial No. chassis 通車番号 TE20-000001
 改裝申請開始の車台番号 engine 通車エンジン番号 T 0001001
Application of this amendment started the 1st September, 1970
 改裝申請の開始年月日
Commercial denomination after application of modifications Toyota Corolla 1400SL, TE20-S.
 改裝申請後の商標名
 The modifications are to be considered as: Variant / ~~replacement of the~~
 改裝は次の通りと見做す: 変種 / ~~エンジン交換~~
Date amendment is valid from 1/7/71 **list** 7/7

Description of amendment:

Another type of engine can be selected for TE20-W cars as maker's option.

136 : Total cylinder-capacity 1407 cm³ 85.86 cu. in.

Photo. J,

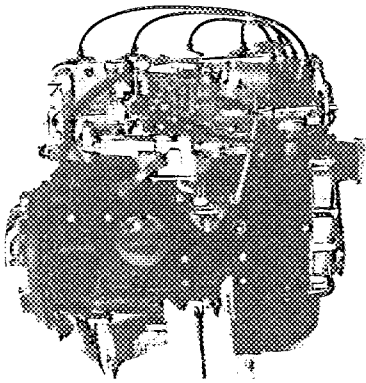
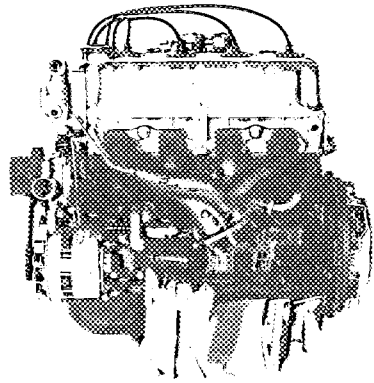


Photo. K,



Further detailed specifications different from the original engine are described on attached sheets.

Stamp and signature of the JAF

JAF 印

Handwritten signature: 庭山博史

Hiroshi Niwayama

Stamp and signature of the F.I.A.

Make Toyota

Model
Type TE20-S

F.I.A. Rec. No.

ENGINE (Photographs J and K)

112 : Compression ratio 9.6

113 : Volume of one combustion chamber 40.9 cm³

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

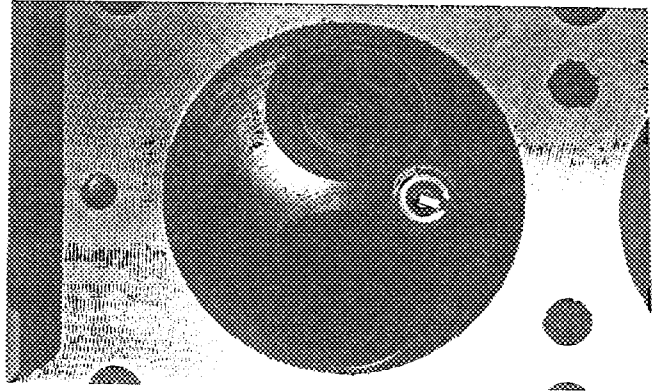
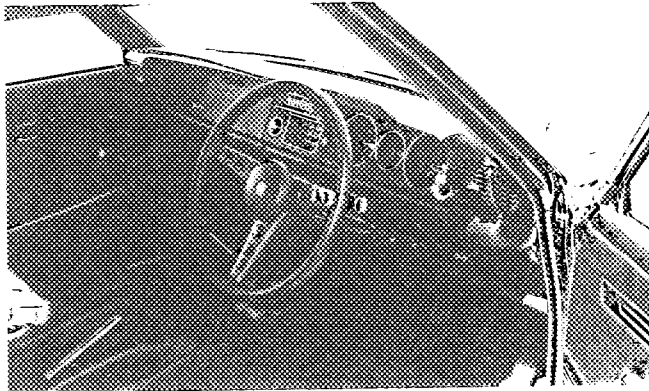
250 : Max. engine output 90 PS (type of horsepower : JIS) at 6000 rpm

252 : Maximum torque 12.0 kg-m at 3800 rpm

Photograph

G. Interior view of car through driver's door (open or removed) with dashboard.

L. Combustion chamber





JAPAN AUTOMOBILE FEDERATION

社団法人 日本自動車連盟

JAF 登録番号
登録年月日

T-1670-2 72.11.47
71.9月7日

F.I.A. Homol. No

5419/2/2V

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

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

Make Toyota Motor Co., Ltd.
Model Toyota Corolla 1400 Hi-Deluxe, TE20-N.
Modification's application starts with serial No. chassis 登録番号 4000 TE20-000001
 engine 登録番号 4000 T-0001001
Application of this amendment started the 1st Jan, 1971
Commercial denomination after application of modifications Toyota Corolla 1400SU, TE20-SZ.
The modifications are to be considered as: Variant / ~~Accessories~~
Date amendment is valid from 1/7/71 **to** 7/1/7

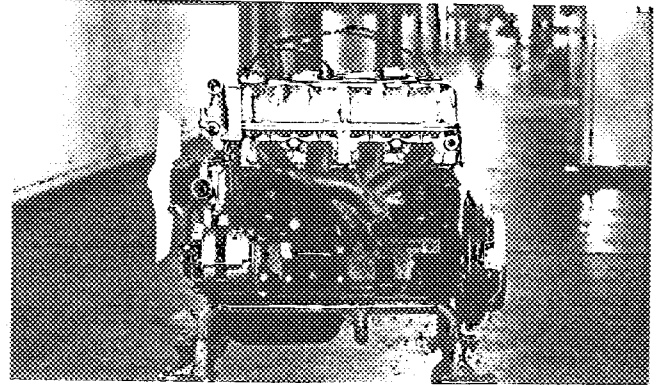
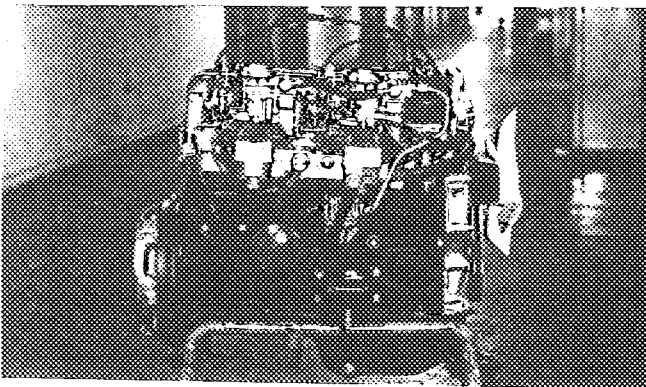
Description of amendment:

Another type of engine can be selected for TE20-N cars as maker's option.

Total cylinder-capacity 1407 cm³ 85.86 cu. in.

Photo. J

Photo. K



Further detailed specifications different from the original engine are described on the attached sheets.

Stamp and signature of the JAF

JAF 登録番号

Handwritten signature: 庭山博史

Hiroshi Niwayama

Stamp and signature of the F.I.A.

ENGINE (Photographs J and K)

142 : compression ratio 9.6
143 : Volume of one combustion chamber 40.9 cm³

INLET

187 : Valves open at (with tolerance for tappet clearance indicated)
B.T.D.C. 22° ± 10°

EXHAUST

202 : Valves open at (with tolerance for tappet clearance indicated)
B.B.D.C. 64° ± 10°

CARBURETION (Photograph N)

210 : Number of carburettors fitted 2
213 : Model T-B
215 : Flange hole diameter of exit port(s) of carburettor 28^φ & 28^φ mm
216 : Minimum dimensions of mixture passage(s) 18^φ & 24^φ mm

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

250 : Max. engine output 95 PS (type of horsepower : JIS) at 6000 rpm
251 : Maximum rpm 6500 rpm output at that figure 92 PS (JIS)
252 : Maximum torque 12.3 kg-m at 4000 rpm
253 : Maximum speed of the car 160 km/hour

255 :

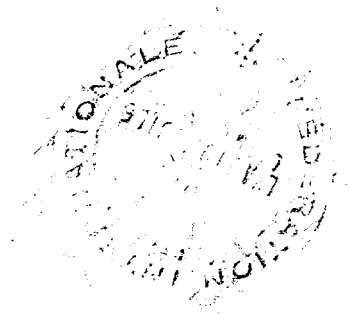
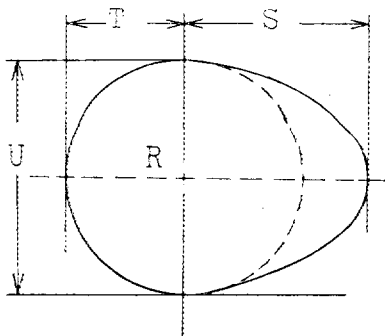
R=Center of
camshaft.

Inlet

S = 22.5 mm 0.89 inches
T = 15.9 mm 0.63 inches
U = 31.9 mm 1.26 inches

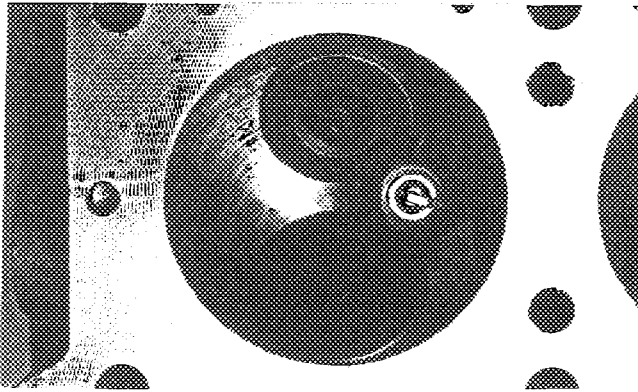
Exhaust cam

S = 22.5 mm 0.89 inches
T = 15.8 mm 0.62 inches
U = 31.8 mm 1.25 inches

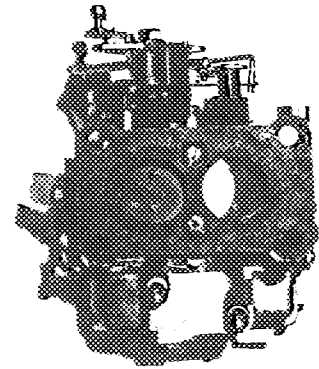


Photograph

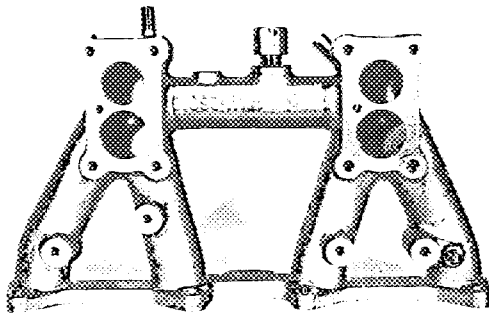
L, Combustion chamber.



N, Carburettor (view from side of manifold).



P, Inlet manifold.





JAPAN AUTOMOBILE FEDERATION

社団法人 日本自動車連盟

J.A.F. 公認番号
発効年月日

72.5.2/10
T-1670-3
71.4月末日

F.I.A. Homol. No.

5419 3/3V

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

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

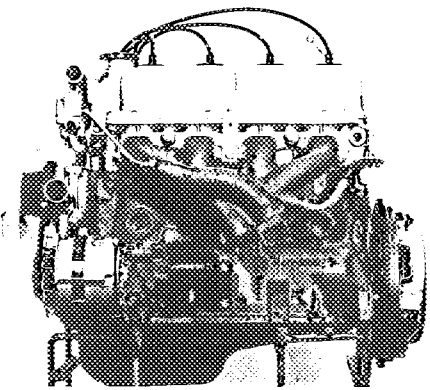
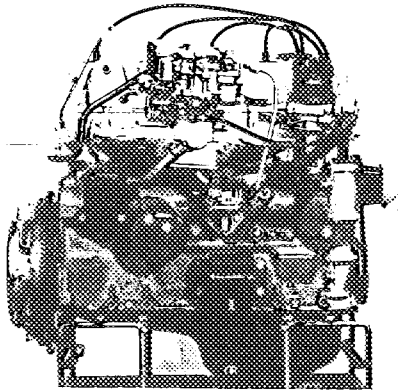
国際スポーツ法典付則J項及びJ.A.F.国内競技車両規則に從ふ公認書式。

Make **Toyota Motor Co., Ltd.** Model **Toyota Corolla 1400 Hi-Deluxe,**
 製造会社名 型式及び商標名
 Modification's application starts with serial No. chassis 識別記号の番号 **TE20-000001** TE20-N
 engine 識別記号の番号 **2T 0001001**
 Application of this amendment started the **1st November, 1970**
 適用年月日
 Commercial denomination after application of modifications **Toyota Corolla 1600 Deluxe,**
 The modifications are to be considered as: Variant / ~~Xxxxxx~~ ~~Xxxxxx~~ ~~Xxxxxx~~ ~~Xxxxxx~~ ~~Xxxxxx~~ ~~Xxxxxx~~
 変型 / ~~XXXX~~ **TE21L-AD**
 Date amendment is valid from **1/7/71** list **7117**

Description of amendment 内容

Another type of engine can be selected for TE20-N cars as maker's option

136 : Total cylinder-capacity 1588 cm³ 96.91 cu. in.
 Photo. J Photo. K



Further detailed specifications different from the original engine are described on attached sheets.

The No. of chassis installed this engine include on and after
TE21-000001.

Stamp and signature of the JAF

Stamp and signature of the F.I.A.

JAF公認印及び署名

庭山博史

Hiroshi Niwayama

ENGINE (photographs J and K)

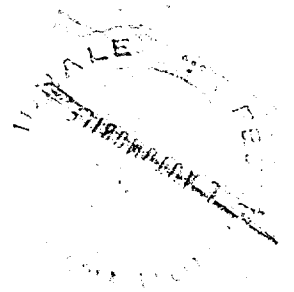
133 : <u>Bore</u>	85mm	3.35in.
135 : <u>Capacity per cylinder</u>	397cm ³	24.23cu.in.
136 : <u>Total cylinder-capacity</u>	1588cm ³	96.91cu.in.
143 : Volume of one combustion chamber	42.9cm ³	
146 : Distance from gudgeon pin centre line to highest point of piston crown	45mm	

CARBURETION (photograph N)

213 : Model	2T-C
216 : Minimum dimensions of mixture passage (s)	
	23 ^φ & 27 ^φ mm

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

250 : Max. engine output 100PS (type of horsepower: JIS) at 6000rpm	
251 : Maximum rpm	6350 rpm output at that figure 93PS (JIS)
252 : Maximum torque	13.7kg-m at 3800rpm
253 : Maximum speed of the car	170km/hour



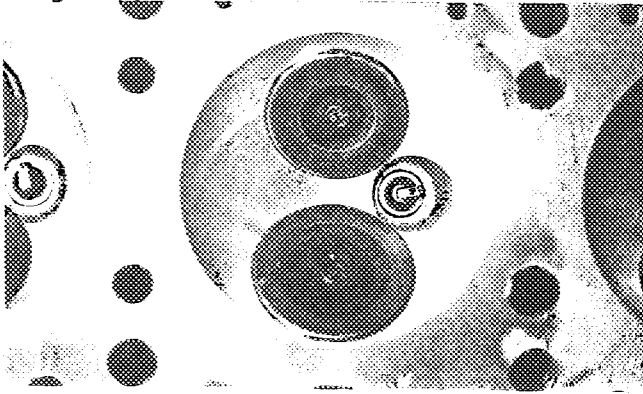
Make Toyota

Model
型式 TE21L-AD

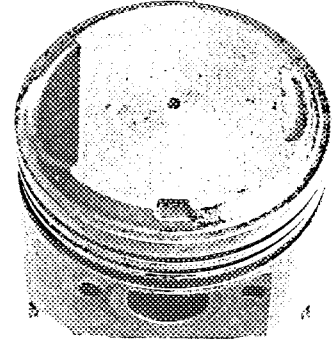
J.A.F. 公認番号 T-1672-3
F.I.A. Rec. No. 5419/3/35

Photograph

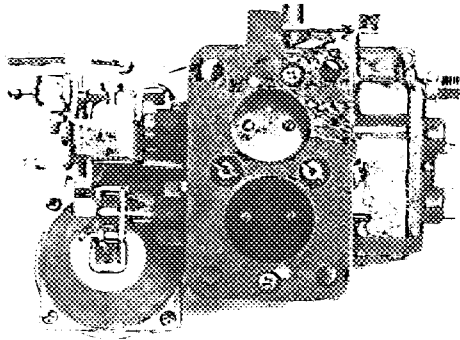
L, Combustion chamber



M, Piston crown



N, Carburettor (view from side manifold)



INTERNATIONAL
FEDERATION
OF AUTOMOBILE
SPORTS
COMMISSION
INTERNATIONAL
FEDERATION
OF AUTOMOBILE
SPORTS
COMMISSION



JAPAN AUTOMOBILE FEDERATION

社団法人 日本自動車連盟

J.A.F. 公認番号 T-167 E-5
発効年月日 47. 3. 31
F.I.A. Homol. No 5419

4/1E

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 Corolla 1400 Hi-Deluxe, TE20-N
 製造会社名 型式及び通称名
 Modification's application starts with serial No. chassis 適用シャシー番号 TE20-027091
 engine 適用エンジン番号 T 0125774
 Application of this amendment started the 1st Aug. 1971
 適用年月日
 Commercial denomination after application of modifications Toyota Corolla 1400 Hi-Deluxe, TE20-N series.
 The modifications are to be considered as: ~~XXXX~~ / normal evolution of the type
~~XXXX~~ / 正常進化
 Date amendment is valid from _____ list

Description of amendment 内容

1. Toyota Corolla 1400 Hi-Deluxe, TE20-N

1-1 COACHWORK

Photo. A

3/4 view of car from front



Photo. B

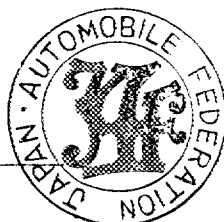
3/4 view of car from rear



Stamp and signature of the JAF

JAF 公認印及び署名

庭山博史
Hiroshi Niwayama



Stamp and signature of the F.I.A.

[Signature and stamp of F.I.A.]

2. Toyota Corolla 1400 Hi-Deluxe, TE20-FN (4 door)

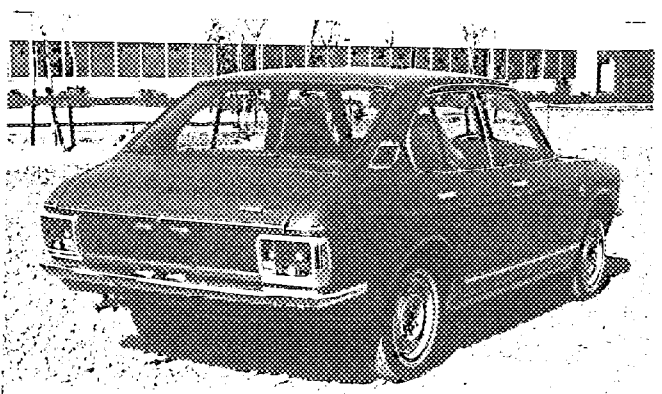
Photo. A

3/4 view of car from front



Photo. B

3/4 view of car from rear



3. Toyota Corolla 1400 SL, TE20-SZ

Photo. A

3/4 view of car from front



Photo. B

3/4 view of car from rear



4. Toyota Corolla 1600 Deluxe, TE21L-AD

Photo. A

3/4 view of car from front

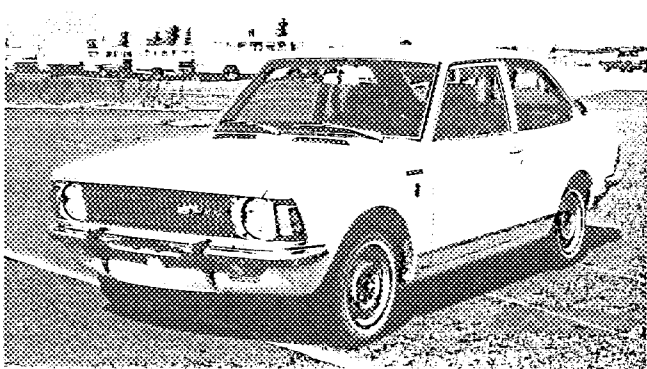
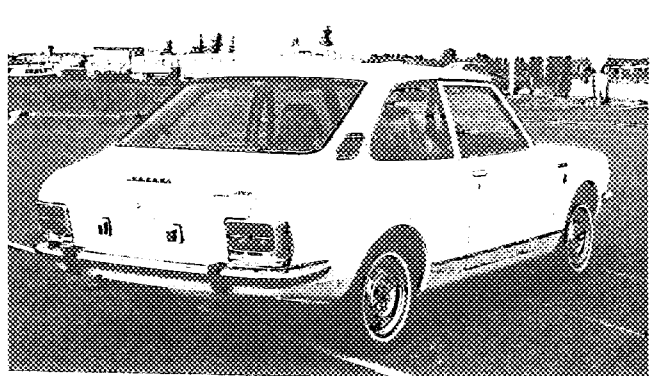


Photo. B

3/4 view of car from rear





JAPAN AUTOMOBILE FEDERATION

社団法人 日本自動車連盟

J.A.F.公認番号 T-167 V-4

発効年月日 47. 2. 29

F.I.A. Homol. No 5419

5/4V

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J.A.F.国内競技車両規則に従った公認書式)

Make Toyota Motor Co., Ltd. Model Toyota Corolla 1400, Hi-Deluxe

Modification's application starts with serial No. chassis engine TE20-000001 T 0001001

Application of this amendment started the 10th January, 1972

Commercial denomination after application of modifications

The modifications are to be considered as: Variant / 変型 /

Date amendment is valid from

List

Description of amendment 内容

Optional

Wing extensions

VALID FOR GROUP II ONLY

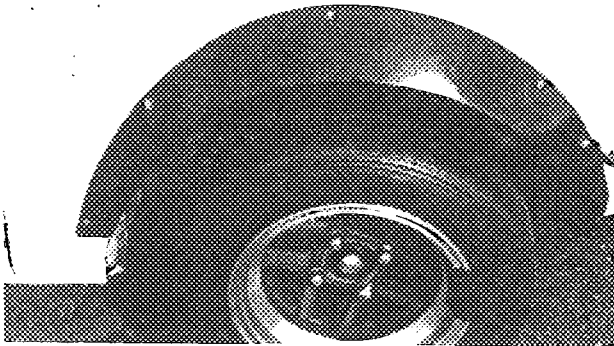


Photo. Front wing extension (Part number: 53847-12020 53848-12020)

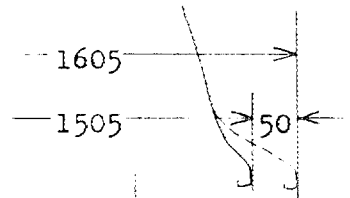


Photo. Rear wing extension (Part number: 61681-12020 61682-12020)

1260 Fr 1245 Rr

Center of original rim Unit: mm

Stamp and signature of the JAF

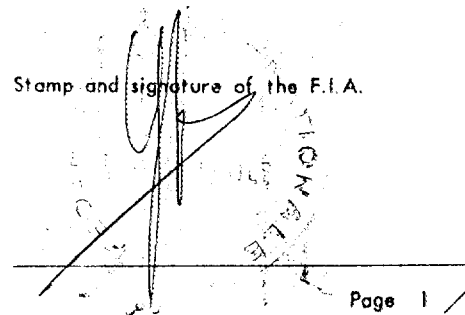
JAF公認印及び署名

難波靖彦

Yasuharu Nanba



Stamp and signature of the F.I.A.





JAPAN AUTOMOBILE FEDERATION

社団 日本自動車連盟
法人

J.A.F.公認番号 T-167V-7
発効年月日 47. 4. 30
F.I.A. Homol. No 5h19
6/5V

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J.A.F.国内競技車両規則に従った公認書式。

Make Toyota Motor Co., Ltd. Model Toyota Corolla 1400, Hi-Deluxe
製造会社名 型式及び通称名
Modification's application starts with serial No. chassis 適用シャシー番号 TE20-000001 TE20-N
適用エンジン番号 T 0001001
Application of this amendment started the 1st Feb, 1972
適用年月日
Commercial denomination after application of modifications Toyota Corolla 1400, Hi-Deluxe
TE20-N series.
The modifications are to be considered as: Variant / ~~XXXX~~
変型 / ~~XXXX~~
Date amendment is valid from List

Description of amendment 内容

Optional VALID FOR GROUP II ONLY
Wing extensions

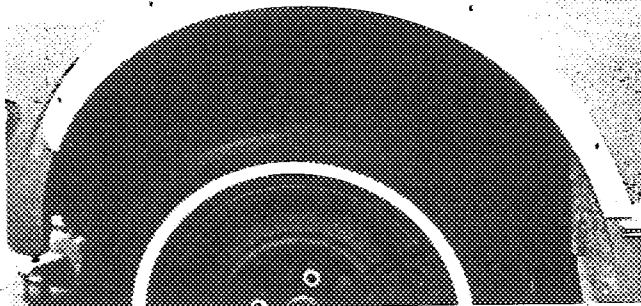


Photo.
Front
wing extension.
Part, No.
53847-12010-05
53848-12010-05

Fr 1545
Rr 1595
1505

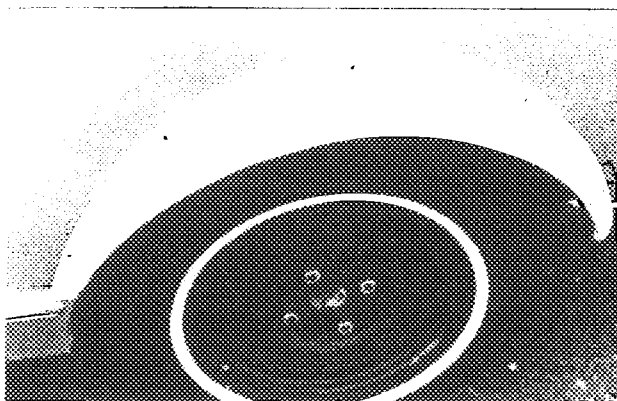
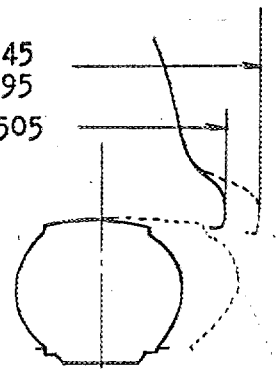


Photo.
Rear
wing extension.
Part, No.
61681-12010-05
61682-12010-05

1260 Fr
1245 Rr

Center of
original rim

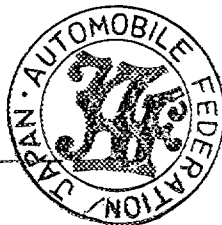
Unit : mm

Stamp and signature of the JAF

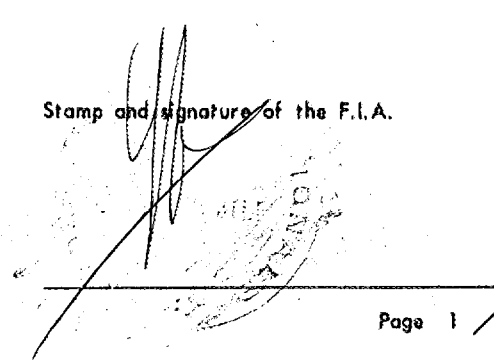
JAF公認印及び署名

三井 平八郎

Heihachiro Mitsui



Stamp and signature of the F.I.A.





JAPAN AUTOMOBILE FEDERATION

社団法人 日本自動車連盟

J.A.F. 公認番号 T-167V-6

発効年月日 47. 3. 31

F.I.A. Homol. No

5414
7/6V

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J.A.F.国内競技車両規則に従った公認書式。

Make Toyota Motor Co., Ltd. Model Toyota Corolla 1400 Hi-Deluxe,
 製造会社名 型式及び通称名
 Modification's application starts with serial No. chassis 適用シャシー番号 TE20-000001 TE20-N
 engine 適用エンジン番号 T 0001001
 Application of this amendment started the 1st Aug, 1971
 適用年月日
 Commercial denomination after application of modifications Toyota Corolla 1400 Hi-Deluxe,
 TE20-N series.
 The modifications are to be considered as: Variant / ~~XXXXXX XXXXXX XXXXXX~~
 変型 / ~~XXXXXXXX~~
 Date amendment is valid from List

Description of amendment 内容

Optional

Final drive

293. Final drive ratio

4.300

Number of teeth

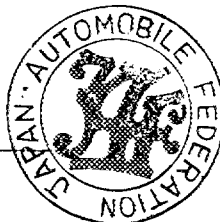
43 / 10

Stamp and signature of the JAF

JAF公認印及び署名

庭山博史

Hiroshi Niwayama



Stamp and signature of the F.I.A.

Signature and stamp of F.I.A.



JAPAN AUTOMOBILE FEDERATION

社団法人 日本自動車連盟

J.A.F. 公認番号 T-167E-8

発効年月日 47.10.31

F.I.A. Homol. No 5419

8/2E

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 Corolla 1400 Hi-Deluxe, 製造会社名 型式及び通称名

Modification's application starts with serial No. chassis TE20-071001 TE20-N engine T 0290602 適用シマシー番号 適用エンジン番号

Application of this amendment started the 1st. Aug. 1972 適用年月日

Commercial denomination after application of modifications Toyota Corolla 1400 Hi-Deluxe, TE20-N series. The modifications are to be considered as: ~~change~~ normal evolution of the type 変形 / 正常進化

Date amendment is valid from List

Description of amendment 内容

COACHWORK

Photo. A

3/4 view of car from front.



Photo. B

3/4 view of car from rear.

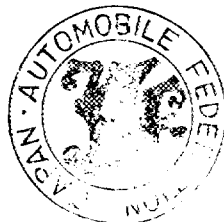


Stamp and signature of the JAF

JAF公認印及び署名

三井 平八郎

Heihachiro Mitsui



Stamp and signature of the F.I.A.

Signature of the F.I.A.

4 Door Model

Photo. A

3/4 view of car from front.

Corolla series.

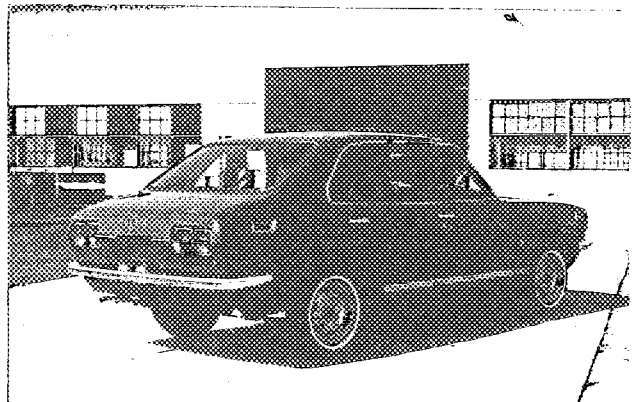


Photo. B

3/4 view of car from rear.



Sprinter series.



Toyota Corolla 1600 Deluxe , TE21L-AD

Photo. A

3/4 view of car from front.



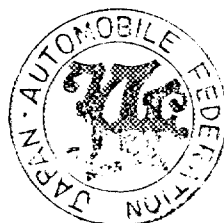
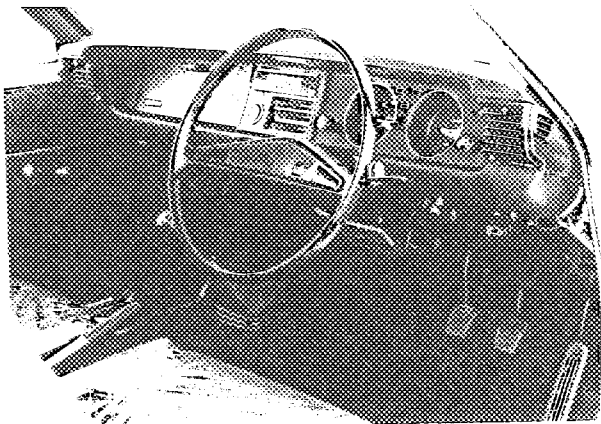
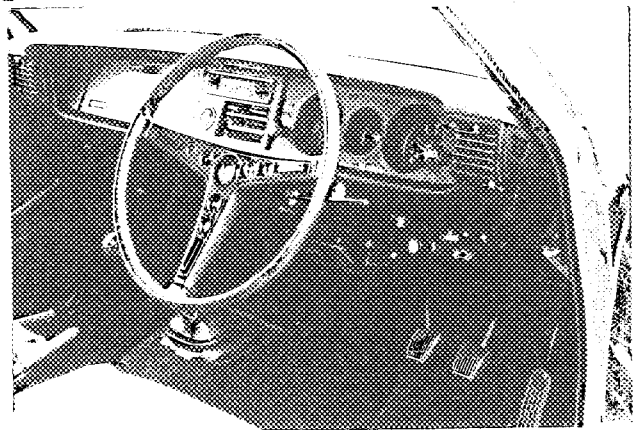
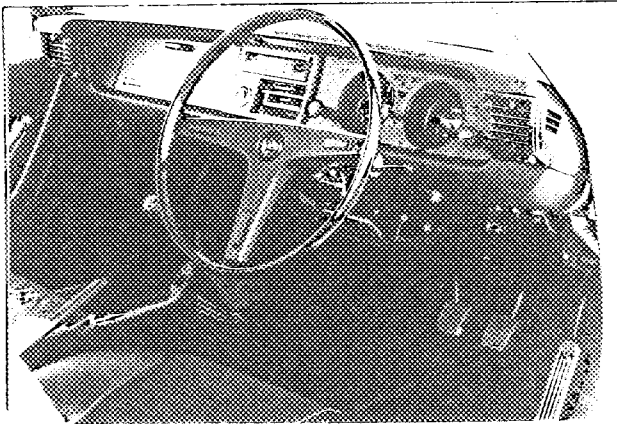
Photo. B

3/4 view of car from rear.



Photo. C

Interior view of car through driver's door.





JAPAN AUTOMOBILE FEDERATION

社団法人 日本自動車連盟

J.A.F.公認番号 T-167v-9
発効年月日 1974年5月31日
F.I.A. Homol. No 5419

9/7V

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録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 Corolla 1400 Hi-Deluxe, TE20-N
製造会社名 型式及び通称名

Modification's application starts with serial No. chassis 適用シャーシー型式番号 TE20
engine 適用エンジン型式番号 T

Application of this amendment started the 1st April, 1973
適用年月日

Commercial denomination after application of modifications Toyota Corolla 1600

The modifications are to be considered as: Variant / ~~xxxxxx~~ ~~xxxxxx~~ ~~xxxxxx~~ ~~xxxxxx~~
変型 / ~~xxxxxx~~ ~~xxxxxx~~ ~~xxxxxx~~ ~~xxxxxx~~

Date amendment is valid from 1 10 74 List

Description of amendment 内容 OPTIONAL

ENGINE (OHV 1600cc Twin-Carb. Engine)

Another type of engine can be detected for TE20-N cars as maker's option.

Photo. J

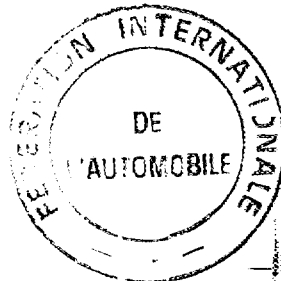
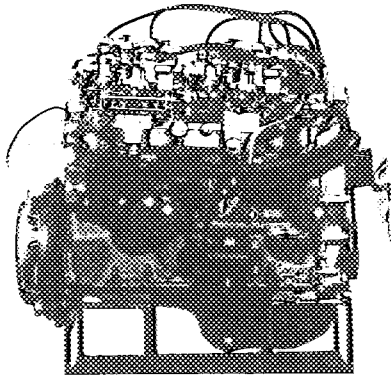
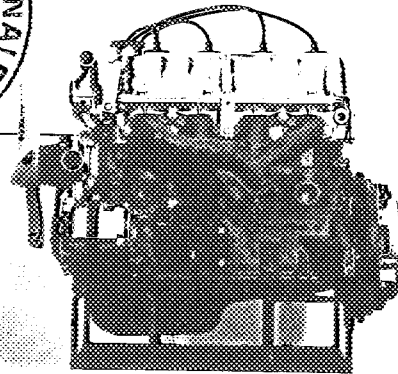


Photo. K



Further detailed specifications differnt from the original engine are described on attached shaets.

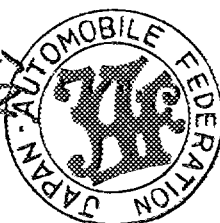
The No. of chassis installed this engine include on and after TE21-000001 (Engine type : 2T)

Stamp and signature of the JAF

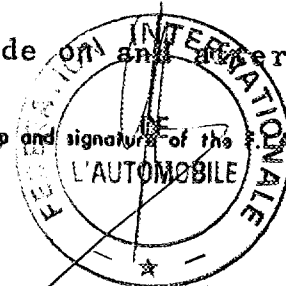
JAF公認印及び署名

難波靖治

Yasuharu Nanba



Stamp and signature of the F.I.A.



Make Toyota

Model TE20

J.A.F.A. 登録番号 T-167v-9

F.I.A. Rec. No. 5419

g/v

ENGINE (OHV 1600cc Twin-Carb. Engine)

142. Compression ratio 9.4
143. Volume of one combustion chamber 47.3cm³
146. Distance from gudgeon pin centre line to highest point of piston crown 45 mm

CARBURETION

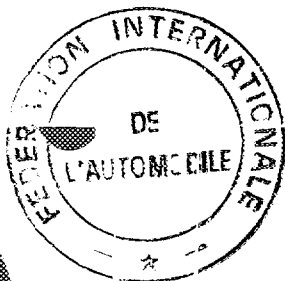
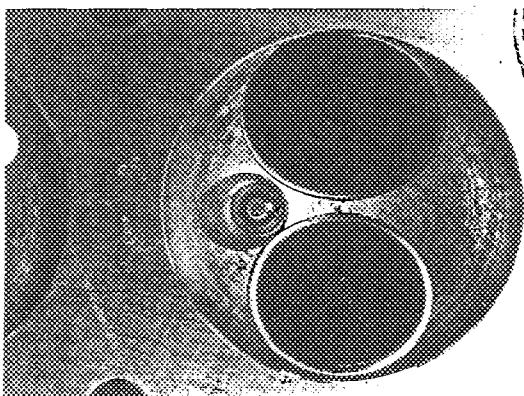
210. Number of carburettors fitted 2
213. Model 2T-B
216. Minimum dimensions of mixture passage(s) 20^φ & 26^φ mm

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

250. Max. engine output 105 ps (Type of horsepower : JIS) at 6000 rpm
251. Maximum rpm 6350 rpm output at that figure 102 ps (JIS)
252. Maximum torque 14.0 kp-m at 4200 rpm
253. Maximum speed of the car 160km/hour

Photo.

L, Combustion chamber



M, Piston crown

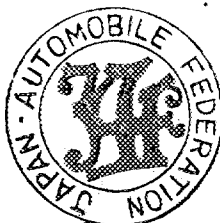
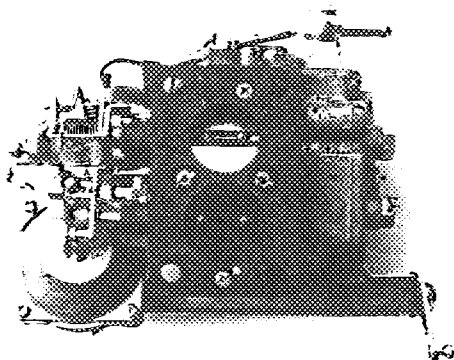
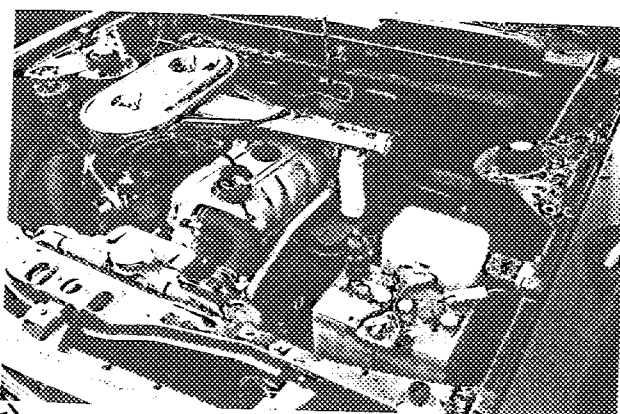


Photo. (2T)

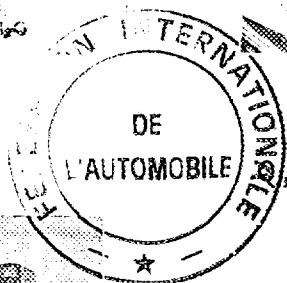
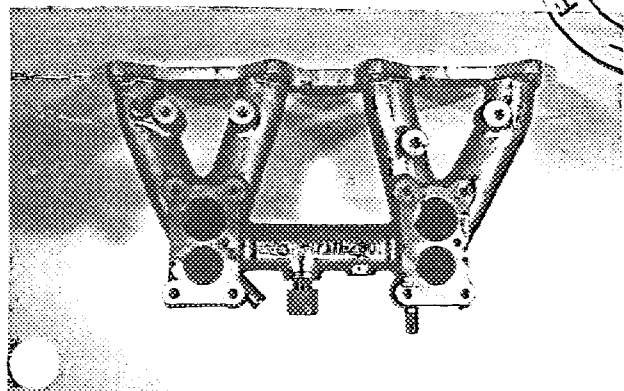
N, Carburettor



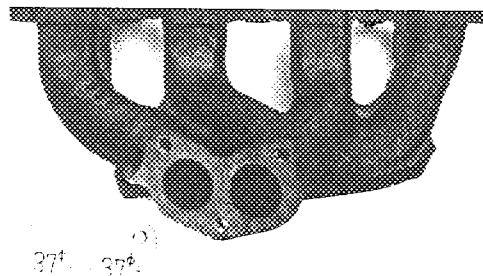
O, Engine in car with all accessories bonnet open or removed.



P, Inlet manifold



Exhaust manifold



133. Max. Bore.

85.25mm

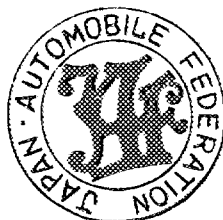
3.356in

136. Max. total cylinder capacity

1598 cm³

Thickness of cylinder head gasket (pressed)

1.2 mm





JAPAN AUTOMOBILE FEDERATION
 社団法人 日本自動車連盟

J.A.F. 公認番号 T-167E-10
 発効年月日 1975年3月31日
 F.I.A. Homol. No 5419

10/3E

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発式。

Make Toyota Motor Co., Ltd. Model Toyota Corolla 1400, Hi-Deluxe, TE20-N
製造会社名 型式及び通称名
 Modification's application starts with serial No. chassis 適用シャーシー型式番号 TE20-000001
 engine 適用エンジン型式番号 T [REDACTED]
 Application of this amendment started the Sep. 1970
適用年月日
 Commercial denomination after application of modifications Toyota Corolla 1400, Hi-Deluxe, TE20-N
 The modifications are to be considered as: ~~異常~~ / normal evolution of the type
異常 / 正常進化
 Date amendment is valid from 1975 List

Description of amendment 内容

Revision of error

Descriptions about item NO. 187, 188, 202, 203 of 1400cc Type T Engine are wrong. It is the cause of mistake that we have not taken into account opening and closing ramp.

right values are as follows

INLET

- 187. Valves open at (with tolerance for tappet clearance indicated)
 B. T. D. C 23° [REDACTED]
- 188. Valves close at (with tolerance for tappet clearance indicated)
 A. B. D. C 71° [REDACTED]
 tappet clearance 0.20 mm (hot)

EXHAUST

- 202. Valves open at (with tolerance for tappet clearance indicated)
 B. B. D. C 69° [REDACTED]
- 203. Valves close at (with tolerance for tappet clearance indicated)
 A. T. D. C 33° [REDACTED]
 tappet clearance 0.33 mm (hot)

Stamp and signature of the JAF

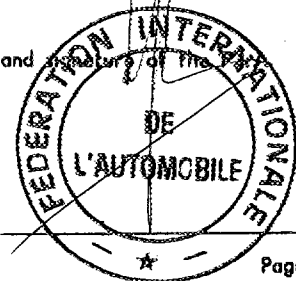
JAF公認印及び署名

難波靖治

Yasuharu Nanba



Stamp and signature of the





JAPAN AUTOMOBILE FEDERATION

社団法人 日本自動車連盟

J.A.F. 公認番号

T-167E-11

発効年月日

1975年3月31日

F.I.A. Homol. No 5419

11/4E

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国内競技率規則に従った公認書式。

Make 製造会社名 Toyota Motor Co., Ltd. Model 型式及び通称名 Toyota Corolla 1400, Hi-Deluxe, TE20-N
 Modification's application starts with serial No. chassis 適用シャシー型式番号 TE21-000001
 engine 適用エンジン型式番号 2T
 Application of this amendment started the 適用年月日 Nov. 1970
 Commercial denomination after application of modifications Toyota Corolla 1600, Deluxe, TE21
 The modifications are to be considered as: ~~Xxxxxx~~ normal evolution of the type
 改変 / 正常進化
 Date amendment is void from 1.7.75 list

Description of amendment 内容

Revision of error

Descriptions about item NO. 187, 188, 202, 203 of 1600cc Type 2T Engine are wrong. It is the cause of mistake that we have not taken into account opening and closing ramp.

right values are as follows

INLET

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

B. T. D. C 23°±

188. Valves close at (with tolerance for tappet clearance indicated)

A. B. D. C 71°

tappet clearance 0.20 mm (hot)



EXHAUST

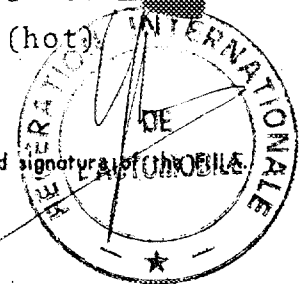
202. Valves open at (with tolerance for tappet clearance indicated)

B. B. D. C 69°

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

A. T. D. C 33°±

tappet clearance 0.20 mm (hot)



Stamp and signature of the JAF

JAF公認印及び署名

難波靖彦

Yasuharu Nanba



Stamp and signature of the F.I.A.