



JAPAN AUTOMOBILE FEDERATION

社団法人・日本自動車連盟

JAF公認番号

T-174 GP I

グループ

フォーリゲカー

発効年月日

71.6月7日

F. I. A. Recognition No.

Group

5429

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

Form of recognition in 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。

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

Serial No of chassis 製造開始シャシー番号 RT94-000001

engine 製造開始エンジン番号 6R 0001001

Recognition is valid from

Cylinder-capacity 総排気量

Reciprocation 1707 cm³ 104.2cu.in.
レシプロ

Special cm³ cu.in.
特殊

Model

型式及び通称名

Toyota Corona Hardtop 1700, RT94

Manufacturer

Toyota Motor Co., Ltd.

Manufacturer

Toyota Motor Co., Ltd.

List

The manufacturing of the model described in this recognition form was started on Nov. 19 70 and the minimum production of 5000 identical cars, in accordance with the specifications of this form was reached on April 1971

Photograph A, 3/4 view of car from front 写真A、全体写真(斜め前方)



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

Variants

on	Oct.	19 71	rec. No. 5429	List 1/1V
on	Oct.	19 71	rec. No. 5429	List 2/2V
on	Oct.	19 71	rec. No. 5429	List 3/3V
on		19	rec. No.	List
on		19	rec. No.	List

Normal evolution of the type

on	July	19 72	rec. No. 5429	List 4/1E
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

難波清治

Yasuharu Nanba

Stamp and signature of the F. I. A.

Make Toyota

Model RT94
型式

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

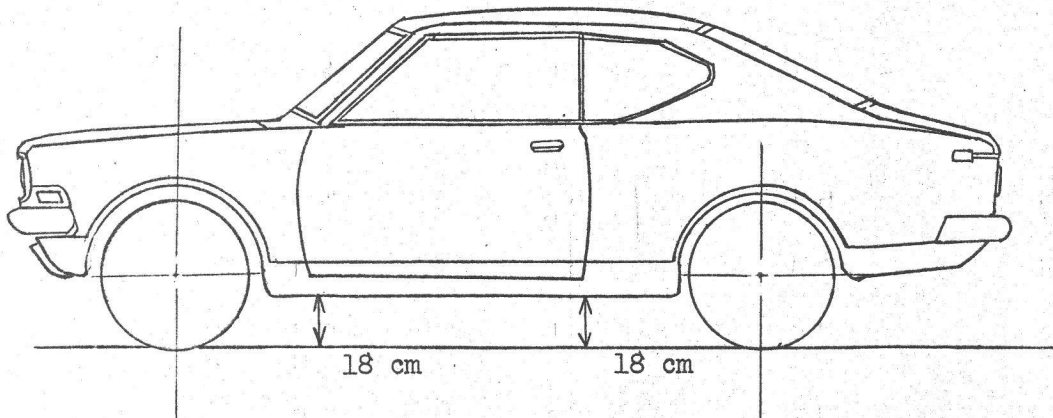
CAPACITIES AND DIMENSIONS
仕様諸元

1. <u>Wheelbase</u> ホイールベース	243	cm	95.7	inches
2. <u>Front track</u> トレッド (前)	130	cm	51.2	inches *
3. <u>Rear track</u> トレッド (後)	128	cm	50.4	inches *
4. Overall length of the car 全長	417	cm		inches
5. Overall width of the car 全幅	157	cm		inches
6. Overall height of the car 全高	138	cm		inches
7. <u>Capacity of fuel tank</u> (reserve included) 燃料タンク容積	50			ltrs
	13.2	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)	910	kg	2006	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.



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	157	cm	Rear リア	157	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

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CHASSIS AND COACHWORK (Photographs A, B and C)
シャーシー、ボデー

- 20. Chassis/body construction : ~~XXXXXX~~ / unitary construction
シャーシー/ボディーの構造 ~~XXXXXX~~ / 一体構造
- 21. Unitary construction, material (s)
一体構造の場合その材質 Steel
- 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
ボディーの材質
- 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
トランクリッドの材質
- 27. Material (s) of rear-window Glass
リアウインドシールドの材質
- 28. Material (s) of windscreen Glass
フロントウインドシールドの材質
- 29. Material (s) of front-door windows Glass
フロントドアウインドーの材質
- 30. Material (s) of rear-door windows
リアドアウインドーの材質
- 31. Sliding system of door windows Vertical, Manual
ドアウインドーの開閉方式
- 32. Material (s) of rear-quarter light Glass
リアクォーターウインドーの材質

ACCESSORIES AND UPHOLSTERY
アクセサリ

- 38. Interior heating : yes - ~~XXXX~~
- 39. Air-conditioning : ~~XXXX~~ - no
- 40. Ventilation : yes - ~~XXXX~~
- 41. Front seats, type of seats and upholstery Separate, Cloth
- 42. Weight of front seat (s), complete with supports and rails, out of the car :
20 kg X 2 lbs
- 43. Rear seats, type of seats and upholstery Bench, Cloth
- 44. Front bumper, material (s) Steel Weight 4.5 kg lbs
フロントバンパーの材質 重量
- 45. Rear bumper, material (s) Steel Weight 4.0 kg lbs
リアバンパーの材質 重量

WHEELS
ホイール

- 50. Type Pressed steel
- 51. Weight (per wheel, without tyre) 5.5 kg lbs
重量
- 52. Method of attachment 4Nuts
取付け方法
- 53. Rim diameter 330 mm 13 inches
リム径
- 54. Rim width 114 mm 4.5 inches
リム幅

STEERING
ステアリング

- 60. Type Recirculating ball
形式
- 61. Servo-assistance : ~~YES~~ - no
パワーステアリング ~~YES~~ - 無
- 62. Number of turns of steering wheel from lock to lock 3.5
ロックツーロック
- 63. In case of servo-assistance

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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 | | Double wishbone |
| 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 |
| 78. Rear suspension (photogr. E), type
リヤサスペンションの形式 | | Hydraulic telescopic |
| 79. Type of spring
スプリングの種類 | | Rigid |
| 80. Stabiliser (if fitted) | | Leaf |
| 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 | | Vacuum |
| 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	
93. Number of cylinders per wheel ホイール当りのシリンダー数	1		1	
94. Bore of wheel cylinder (s) ホイールシリンダーの内径	50.8	mm	in.	20.6
				mm
				in.
Drum Brakes ドラムブレーキ				
95. Inside diameter ドラムの内径		mm	in.	228
				mm
				in.
96. Length of brake linings ライニングの長さ		mm	in.	20.6
				mm
				in.
97. Width of brake linings ライニングの幅		mm	in.	40
				mm
				in.
98. Number of shoes per brake ブレーキ当りのシューの数				
99. Total area per brake 1ブレーキ当りの総摩擦面積		mm ²	sq. in.	194 X 10 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	184	mm	in.	mm
				in.
101. Thickness of disc ディスクの厚さ	10	mm	in.	mm
				in.
102. Length of brake linings パッドの長さ	97	mm	in.	mm
				in.
103. Width of brake linings パッドの幅	46	mm	in.	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	78 X 10 ²	mm ²	sq. in.	mm ²
				sq. in.

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ENGINE (photographs J and K) **

- エンジン
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 86 mm 3.38 in. 134. Stroke ストローク 73.5 mm 2.89 in.
135. Capacity per cylinder 1シリンダーの排気量 426.8 cm³ 26.0 cu. in.
136. Total cylinder-capacity 総排気量 1707 cm³ 104.1 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 Cast iron Number fitted 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 56.9 cm³ 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 39.8 mm inches
147. Crankshaft : moulded / ~~cast~~ 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 / ~~XXXX~~
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 : ~~XXXXXX~~ / oil in sump 潤滑方式 : ~~XXXXXX~~ / ウェットサンプ
152. Capacity, lubricant 潤滑油量 4.1 ltrs pts 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 pints quarts US
155. Capacity of cooling system 7.4 ltrs
156. Cooling fan (if fitted), dia. 36 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. 60 mm in.
159. Connecting rod big end, コンロッド大端部ベアリングの形式 Plain Dia. 53 mm in.

Weights **

160. Flywheel (clean) 10.6 kg lbs
161. Flywheel with clutch (all turning parts) 16.6 kg lbs
162. Crankshaft 14.6 kg lbs 163. Connecting rod 0.76 kg lbs
164. Piston with rings and pin 0.55 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

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FOUR STROKE ENGINES * , * *

4サイクルエンジン

- 170. Number of camshafts
カムシャフトの数 1
- 172. Type of camshaft drive
カムシャフトの駆動方式 Chain
- 173. Type of valve operation
バルブの作動方式 Rocker arm

171. Location
カムシャフトの位置

Cylinder head

INLET (see page 8) * , * *

吸気系

- 180. Material(s) of inlet manifold Aluminum-Alloy
マニホールドの材質
- 181. Diameter of valves
バルブの径 43 mm 1.69 inches
- 182. Max. valve lift
バルブリフト 10 mm 0.39 in.
- 183. Number of valve springs
バルブスプリングの数 2
- 184. Type of spring
バルブスプリングの種類 Coil
- 185. Number of valves per cylinder
シリンダー当りのバルブの数 1
- 186. Tappet clearance for checking timing (cold)
0.18 mm inches
- 187. Valves open at (with tolerance for tappet clearance indicated) B.T.D.C $20^{\circ} \pm 7^{\circ}$
- 188. Valves close at (with tolerance for tappet clearance indicated) A.B.D.C $48^{\circ} \pm 7^{\circ}$
- 189. Air filter, type Dry

EXHAUST (see page 8) * , * *

排気系

- 195. Material (s) of exhaust manifold Cast iron
マニホールドの材質
- 196. Diameter of valves
バルブの径 34 mm 1.34 inches
- 197. Max. valve lift
バルブリフト 10 mm 0.39 in.
- 198. Number of valve springs
バルブスプリングの数 2
- 199. Type of spring
バルブ・スプリングの種類 Coil
- 200. Number of valves per cylinder
シリンダー当りのバルブ数 1
- 201. Tappet clearance for checking timing (cold)
0.33 mm inches
- 202. Valves open at (with tolerance for tappet clearance indicated) B.B.D.C $56^{\circ} \pm 7^{\circ}$
- 203. Valves close at (with tolerance for tappet clearance indicated) A.T.D.C $12^{\circ} \pm 7^{\circ}$

CARBURETION (photograph N)

気化器

- 210. Number of carburetors fitted
キャブレターの数 1
- 211. Type Down draught
形式
- 212. Make Aisan
製造会社
- 213. Model 6R
型式
- 214. Number of mixture passages per carburettor 2
- 215. Flange hole diameter of exit port(s) of carburettor
キャブレター出口内径 30^{ϕ} & 34^{ϕ} mm
- 216. Minimum dimensions of mixture passage (s)
ベンチュリーの最小寸法 ~~23 & 28~~ mm inches

INJECTION (if fitted)

燃料噴射

- 220. Make of pump
ポンプの製造会社
- 221. Number of plungers
プランジャーの数
- 222. Model or type of pump
ポンプの型式
- 223. Total number of injectors
ノズルの総数
- 224. Location of injectors
ノズルの位置
- 225. Minimum diameter of inlet pipe
吸気管の最小径 mm inches

*) for additional information concerning two-stroke engines and super-charged engines see page 14.
2サイクルエンジン、過給機付エンジンは14頁参照

* *) 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

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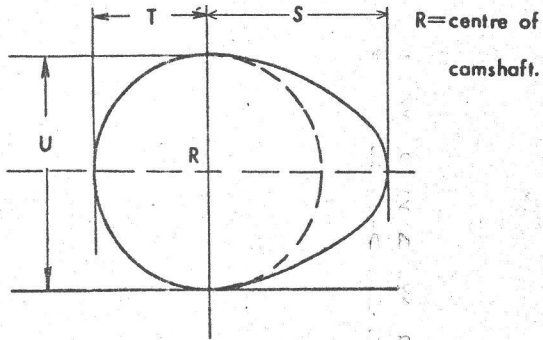
ENGINE ACCESSORIES
エンジン補機

- | | | | |
|---|--------------|--|--------|
| 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
シリンダー当りのプラグ数 | 1 |
| 236. Generator, type DC / alternator-number fitted
発電器 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 | 95 PS (type of horsepower: JIS) at 5500 rpm |
| 251. Maximum rpm | 6400rpm output at that figure 89.5 PS |
| 252. Maximum torque | 14.0kg-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 =	26.0	mm	1.02	inches
T =	18.0	mm	0.71	inches
U =	36.0	mm	1.42	inches

Exhaust cam

排気カム

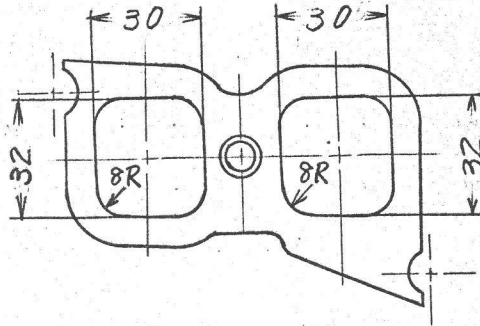
S =	26.1	mm	1.03	inches
T =	18.0	mm	0.71	inches
U =	36.0	mm	1.42	inches

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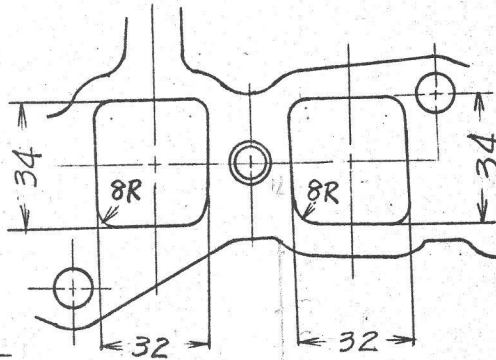
Make Toyota

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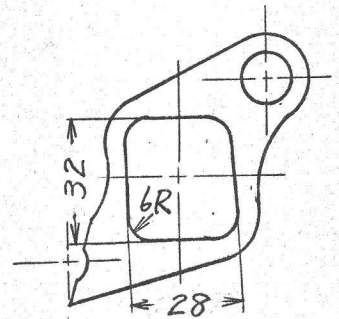
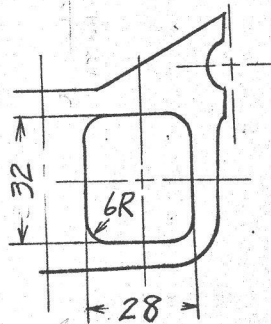
Drawing inlet manifold ports, side of cylinder-head/~~housing~~ scale or dimensions and manufacturing tolerance.



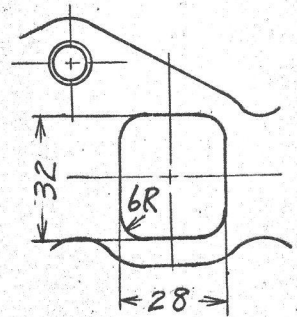
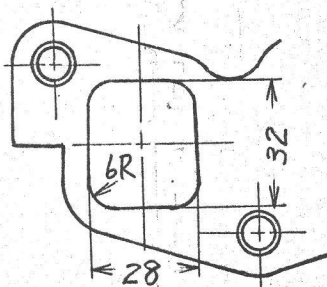
Drawing of entrance to inlet port of cylinder-head/~~housing~~ scale or dimensions and manufacturing tolerance.



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



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



Unit: mm
Tolerance: ±1.5

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DRIVE TRAIN
駆動系

CLUTCH
クラッチ

260. Type of clutch Dry single plate
形式
262. Dia. of clutch plates 205 mm inches
プレッシャープレートの外径
263. Dia. of linings, inside 140 mm in. outside 200 mm in.
フェーシングの内径 外径
264. Method of operating clutch Hydraulic
作動方式

261. No. of plates 1
プレッシャープレートの数

GEAR BOX (photograph H)
トランスミッション

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

Method of operation Mechanical
作動方式

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	3.67	$\frac{31}{18} \times \frac{32}{15}$						
2	2.11	$\frac{31}{18} \times \frac{27}{22}$						
3	1.40	$\frac{31}{18} \times \frac{22}{22}$						
4	1.00							
5								
6								
reverse リバース	4.18	$\frac{31}{18} \times \frac{22}{14}$						

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 Hypoid gear
形式
291. Type of differential Bevel gear
差動機形式
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 4.11 4.38
ギヤー比
Number of teeth 37/9 35/8
歯数

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

NOT VALID FOR GROUP 1 ONLY

Wing extensions



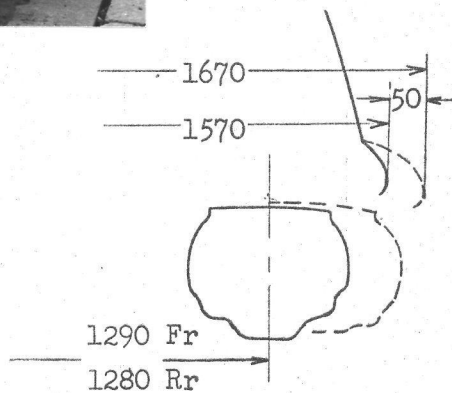
Photo.
Front wing
extension.

Part number:
53847-04750
53848-04750



Photo.
Rear wing
extension.

Part number:
61681-04750
61682-04750



Center of
original rim

Unit : mm

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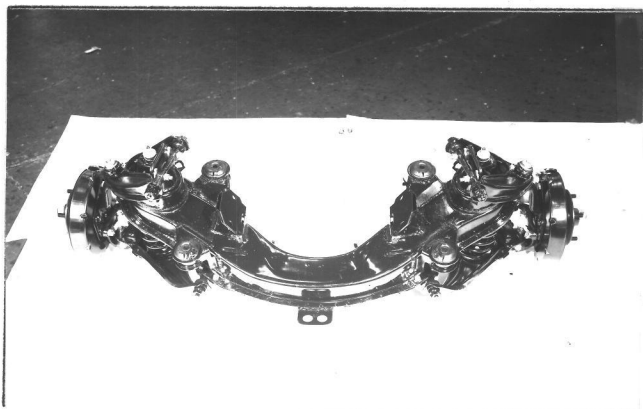
Photograph

写真

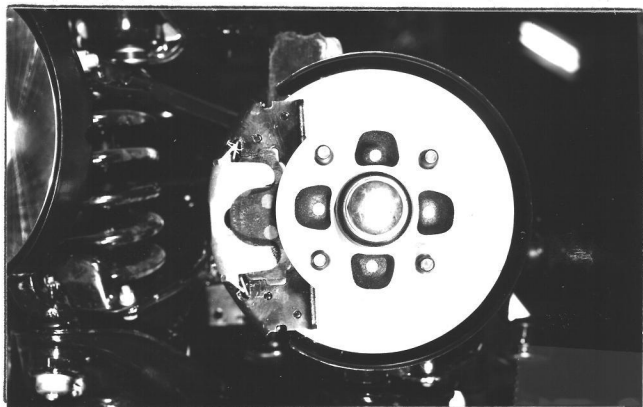
B, 3/4 view of car from rear 全体写真 (斜め後方)



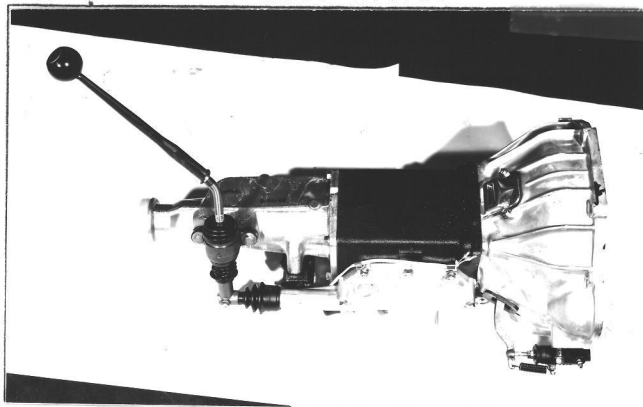
D, Front axle complete, removed from car. Without wheels.
フロントサスペンション



F, Front brake, drum removed, disc with caliper(s)
フロントブレーキ



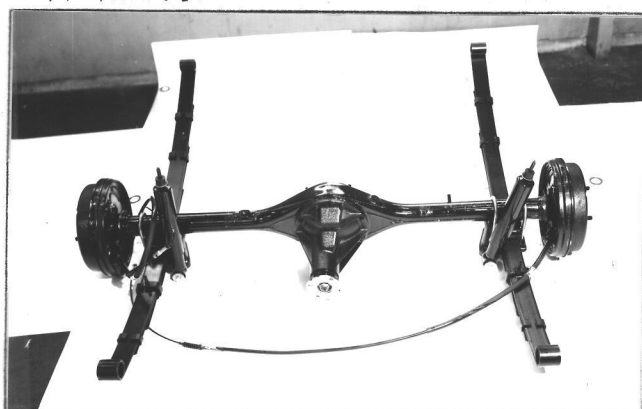
H, Gear-box, view from side トランスミッション



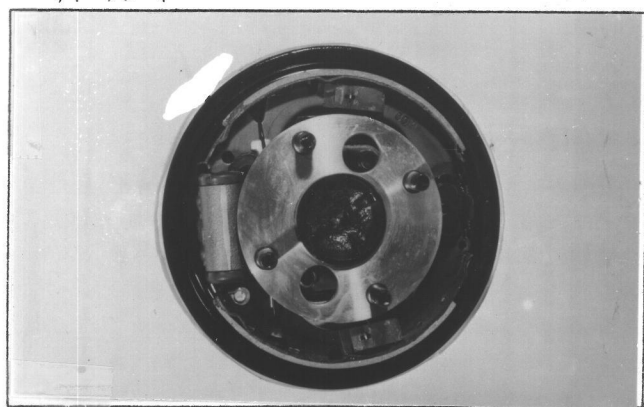
C, Interior view of car through driver's door (open or removed) with dashboard 運転席附近



E, Rear axle complete without wheels, removed from car.
リヤサスペンション



G, Rear brake, drum removed, disc with caliper(s)
リヤブレーキ



I, Silencer + exhaust pipes after exhaust manifold. 排気系



Make Toyota

Model RT94
型式

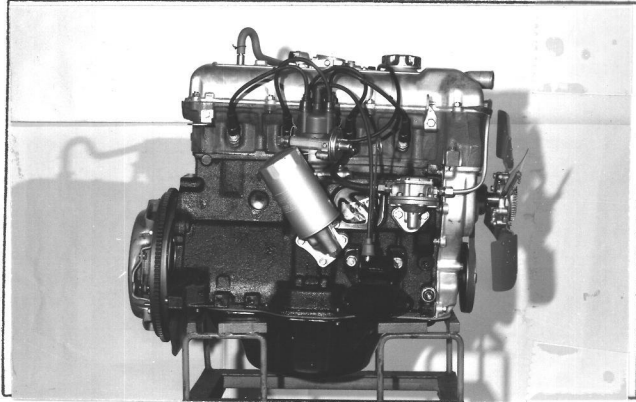
J.A.F.公認番号 T-174

F.I.A. Rec. No.

5429

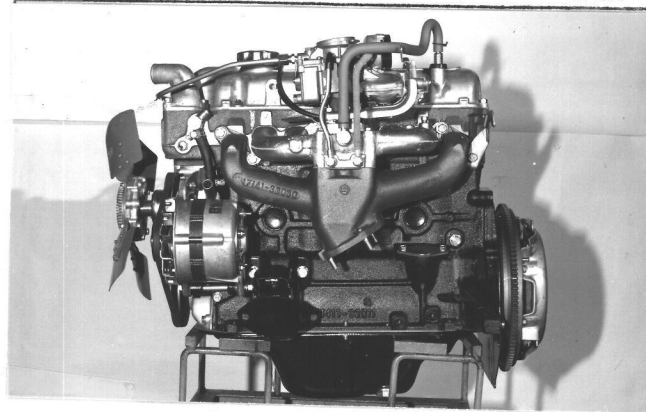
Photograph

Engine unit out of car, from right. With clutch and accessories but without air filter nor gear-box. エンジン右側面



写真

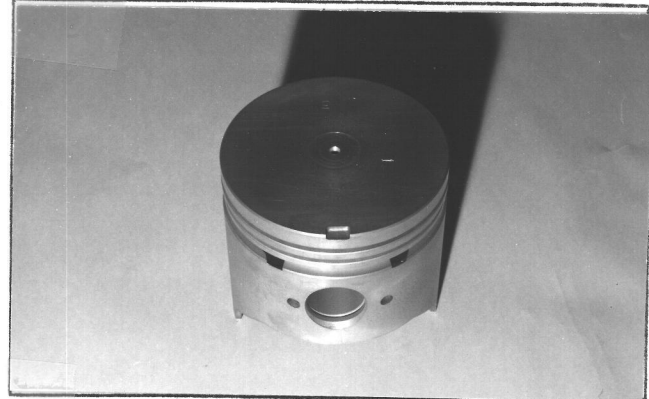
Engine unit out of car, from left. With clutch and accessories but without gear-box nor air filter. エンジン左側面



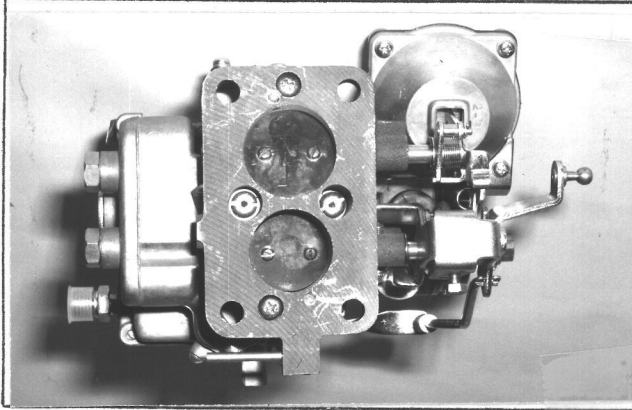
L, Combustion chamber 燃焼室



M, Piston crown ピストンクラウン



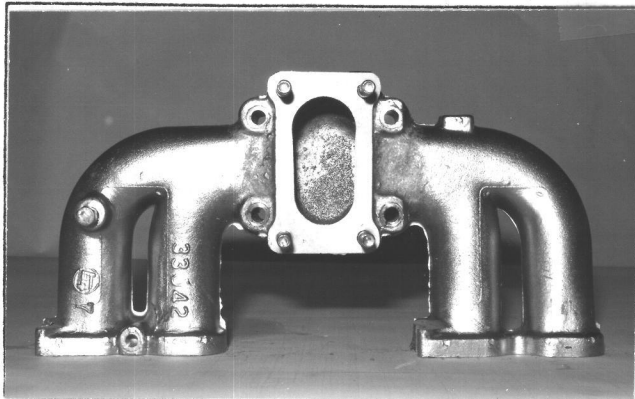
N, Carburettor (view from side of manifold) 気化器



O, Engine in car with all accessories, bonnet open or removed. エンジンルーム



P, Inlet manifold 吸気マニホールド



Q, Exhaust manifold 排気マニホールド



Make Toyota

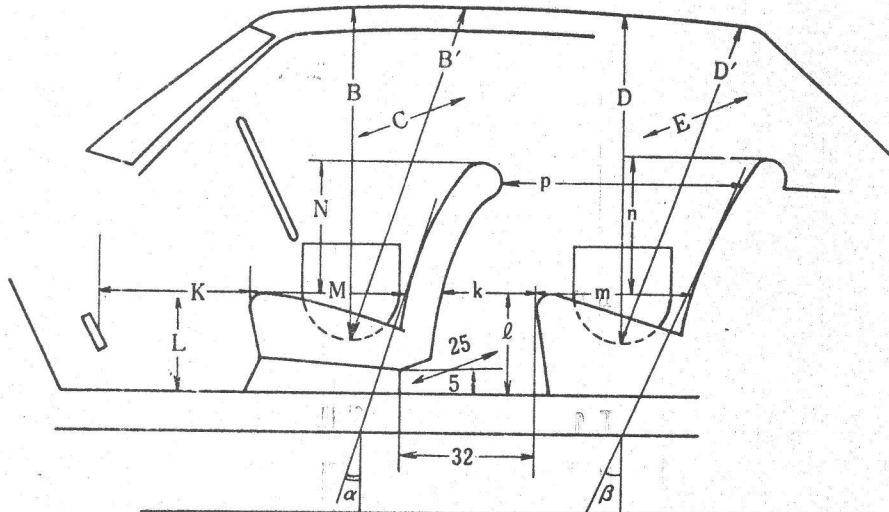
Model RT94
型式

J·A·F公認番号 T-174
F.I.A. Rec. No.

5429

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

For four seaters:
4座席

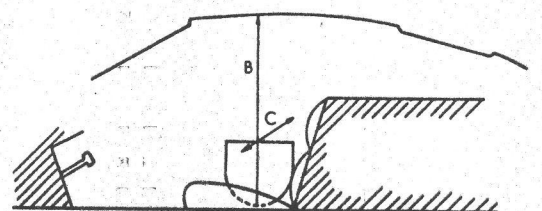


Minimum Dimensions (cm)							
B	B'	α	C	D	D'	β	E
92	98	15°	129	91	90	25°	127

Minimum Dimensions (cm)										
L	ℓ	M	m	N	n	k+m	p	k	k+ ℓ +m	K+L+M
32	32	49	46	46	50	64	71	18	96	122
0.9L = 28.8		0.85M = 41.65		0.8N = 36.8		0.8(k+m) = 51.2		(15)	(95)	(120)

For two seaters:
2座席

Minimum Dimensions	
B	C
cm	cm



Make Toyota

Model RT94
型式

J·A·F公認番号

T-174

F.I.A. Rec. No.

5429

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 : 吸気孔の最下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 RT94
型式

J.A.F公認番号 T-174

F.I.A. Rec. No.

5429

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 偏心量	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項 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 ローター当りのアベックスシールの数		
419. Number of corner seal per rotor ローター当りのコーナースीलの数		
420. Number of side seal per rotor ローター当りのサイドシールの数		

5429

Make Toyota

Model RT94
型式

- 421. Number of oil scraping ring per rotor
1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
吸気孔の位置
- 462. Inlet port area per rotor. mm² sq. in.
- 463. Inlet port open at (with tolerance)
吸気孔開き始め (公差を含む)
- 464. Inlet port close at (with tolerance)
吸気孔閉じ終り (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
排気孔の位置
- 472. Exhaust port area per rotor mm² sq. in.
- 473. Exhaust port open at (with tolerance)
排気孔開き始め (公差を含む)
- 474. Exhaust port close at (with tolerance)
排気孔閉じ終り (公差を含む)

July 72 M513
OHWRE

4/1E



JAPAN AUTOMOBILE FEDERATION

社団 日本自動車連盟
法人

J.A.F. 公認番号 T-174 E-4
発効年月日 47. 3. 31
F.I.A. Homol. No 5420

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 Corona Hardtop 1700, RT94-K
 製造会社名 型式及び通称名
 Modification's application starts with serial No. chassis 適用シャーシ番号 RT94-010152
 engine 適用エンジン番号 6R 0136965
 Application of this amendment started the 1st Aug. 1971
 適用年月日
 Commercial denomination after application of modifications Toyota Corona Hardtop 1700, RT94-K
 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 Corona Hardtop 1700, RT94-K

1-1 COACHWORK

Photo. A

3/4 view of car from front



Photo. B

3/4 view of car from rear

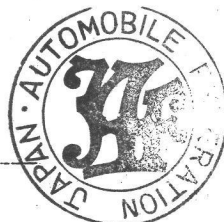


Stamp and signature of the JAF

JAF公認印及び署名

庭山博史

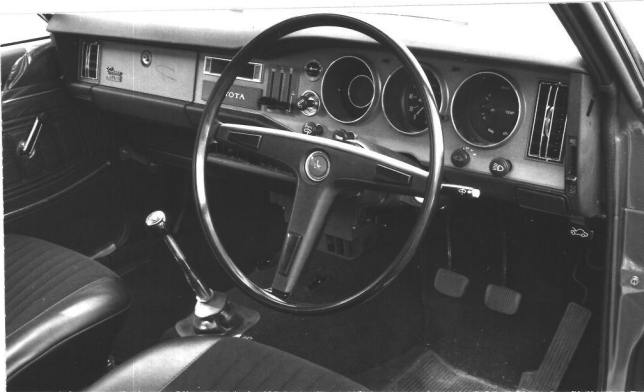
Hiroshi Niwayama



Stamp and signature of the F.I.A.

Photo. C

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



1-2 DIMENSION

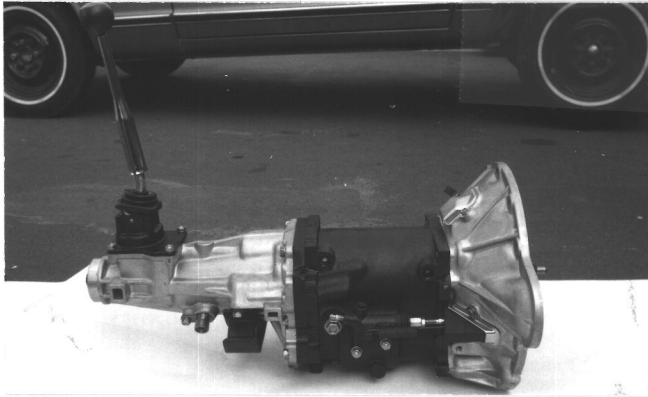
4. Overall length of the car 427.0 cm

1-3 GEAR BOX (Photograph H)

270. Manual type make Toyota of operation Mechanical
 271. No. of gear-box ratios forward 4
 272. Cynchronized forward ratio 1.2.3 & 4
 273. Location of gear-shift Floor

277	Manual	
	Ratio	No. teeth
1	3.57	$\frac{30}{19} \times \frac{34}{15}$
2	2.08	$\frac{30}{19} \times \frac{29}{22}$
3	1.39	$\frac{30}{19} \times \frac{23}{26}$
4	1.00	
reverse	4.39	$\frac{30}{19} \times \frac{31}{14}$

Photo. H
gear-box view from side.



(Part. No : 33110-20571)

2. Toyota Corona Hardtop 1900 RT93-K

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 with dashboard.



3. Toyota Corona Hardtop 1900 SL, RT93-S

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 with dashboard.



4. Toyota Corona Hardtop 1700 SL, RT94-S

4-1 COACHWORK

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 with dashboard.



4-2 DIMENSION

4 Overall length of the car

419.5 cm

Oct 7 MSB
OKURUS

1/10



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

T-174V-1
71.6月末日

F. I. A. Homol. No

5429

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 Corona Hardtop 1700, RT94.
製造会社名 型式及び通称名

Modification's application starts with serial No. chassis 適用シャーシー番号 RT94-000001
engine 適用エンジン番号 6R 0001001

Application of this amendment started the 1st November, 1970
適用年月日

Commercial denomination after application of modifications Toyota Corona Hardtop 1700SL, RT94.

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

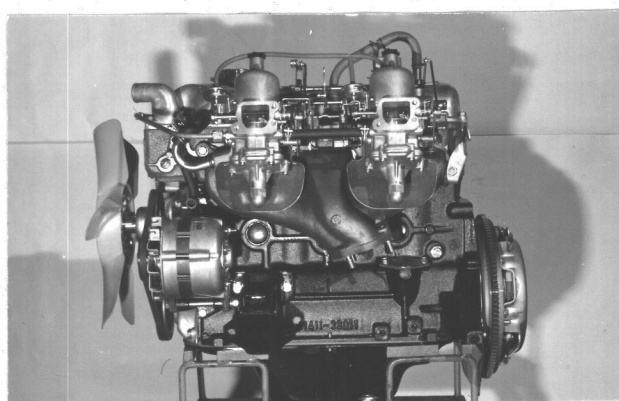
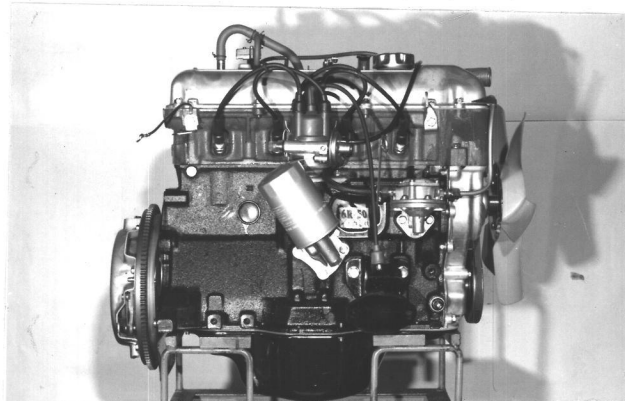
Date amendment is valid from List

Description of amendment 内容

Another type of engine, 6R-B, can be selected for RT94 cars as
maker's option.

Photo. J

Photo. K



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

Stamp and signature of

J.A.F. 公認印及び署名



難波靖治

Yasuharu Nanba

Stamp and signature of the F.I.A.

Make Toyota

Model
型式 RT94

1/14
J.A.F公認番号 T-174V-1

F.I.A. Rec. No. 5429

ENGINE (Photographs J and K)

142 : Compression ratio 9.5
146 : Distance from gudgeon pin center line
to highest point of piston crown 44 mm
157 : Number of blades of cooling fan 6

CARBURETION (Photograph N)

210 : Number of carburettors fitted 2
211 : Type side draught (SU)
213 : Model 6R-B
214 : Number of mixture passages per carburettor 1
215 : Flange hole diameter of exit port(s) of carburettor 40 mm
216 : Minimum dimensions of mixture passage(s) 32 mm
with piston at max. hight (example : SU)

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 6400 output at that figure 104.6 PS (JIS)
252 : Maximum torque 15.5 kg-m at 4000 rpm
253 : Maximum speed of the car 180 km/hour



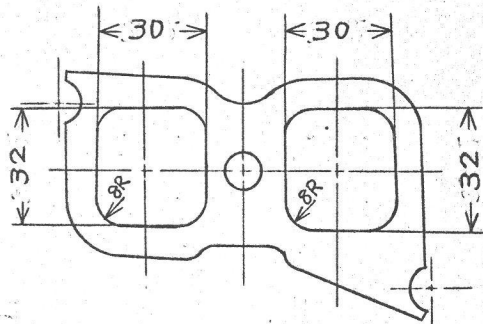
1/10

Make Toyota

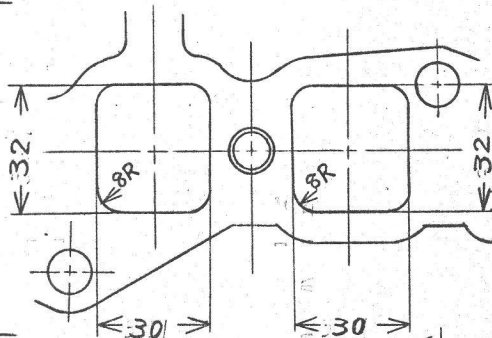
Model RT94
型式

J.A.F.公認番号 T-1740-1
F.I.A. Rec. No. 5429

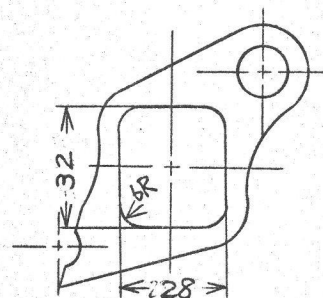
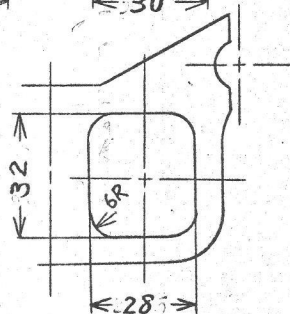
Drawing inlet manifold ports, side of cylinder-head/housing scale or dimensions and manufacturing tolerance.



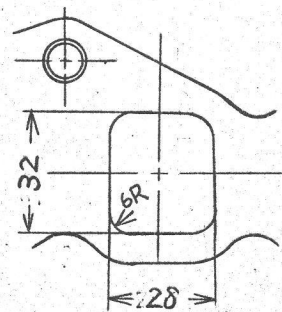
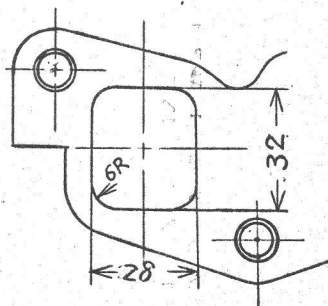
Drawing of entrance to inlet port of cylinder-head/housing scale or dimensions and manufacturing tolerance.



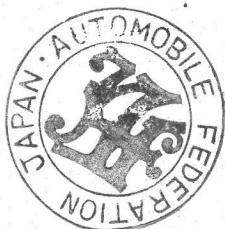
Drawing exhaust manifold ports, side of cylinder-head/housing scale or dimensions and manufacturing tolerance.



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



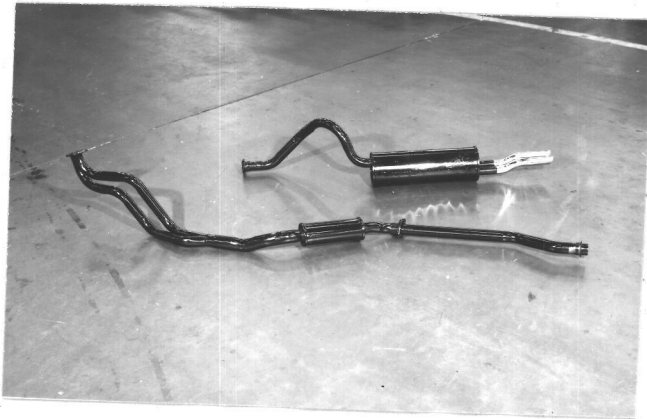
Unit: mm
Tolerance: ± 1.5



411V

Photograph

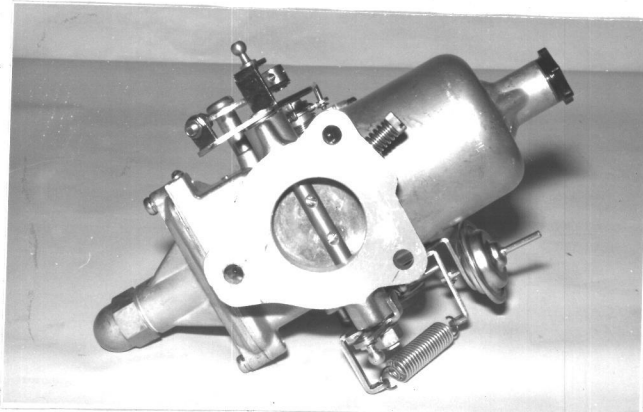
I, silencer + exhaust pipes after exhaust manifold.



M, piston crown



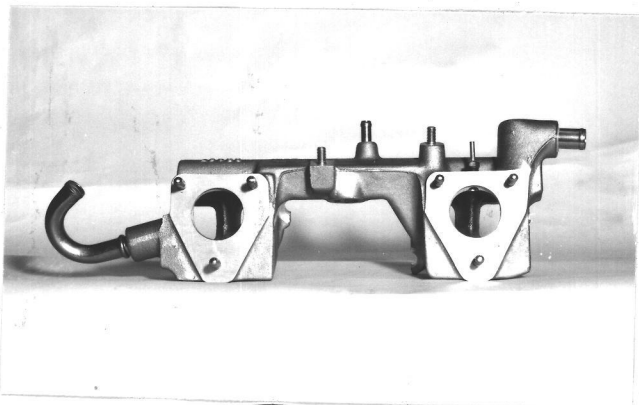
N, carburettor (view from side of manifold)



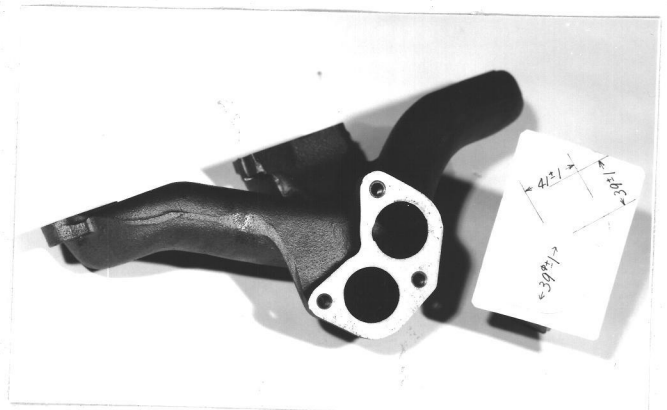
O, engine in car with all accessories, bonnet open



P, inlet manifold



Q, exhaust manifold



OCT 7 1970
OKUDAKA

2/20



JAPAN AUTOMOBILE FEDERATION

社団 日本自動車連盟
法人

J.A.F 公認番号
発効年月日

T-174 V-2
71.6月和

F. I. A. Homol. No

5429

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 Corona Hardtop 1700, RT94.
製造会社名 型式及び通称名

Modification's application starts with serial No. chassis 適用シャーシー番号 RT94-000001
engine 適用エンジン番号 8R 0001001

Application of this amendment started the 1st October, 1970
適用年月日

Commercial denomination after application of modifications Toyota Corona Hardtop 1900, RT93.

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

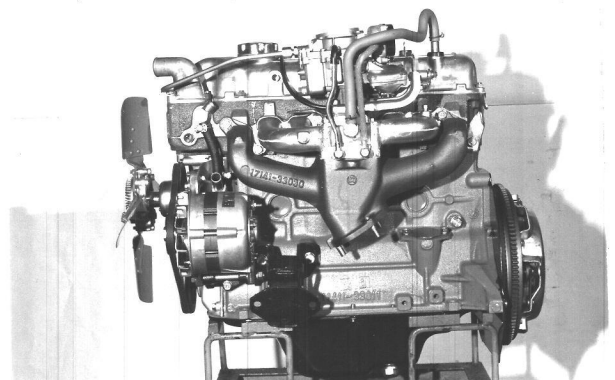
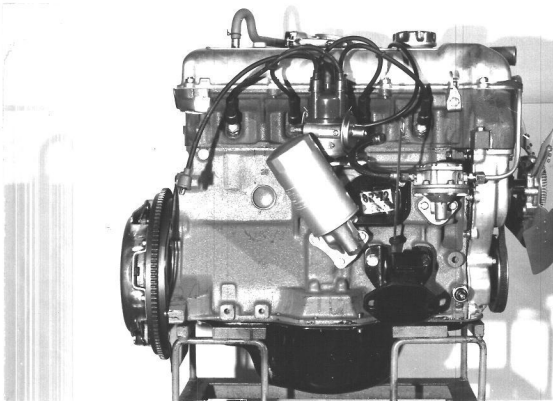
Date amendment is valid from List

Description of amendment 内容

Another type of engine, 8R, can be selected for RT94 cars as
maker's option.

Photo. J

Photo. K



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

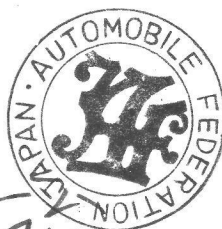
The No. of chassis installed this engine include on and after
RT93-000001.

Stamp and signature of the JAF

JAF公認印及び署名

難波靖江

Yasuharu Nanba



Stamp and signature of the F.I.A.

2/20

J.A.F公認番号 T-174V-2

F.I.A. Rec. No. 5429

Make Toyota

Model RT93
型式

ENGINE (Photographs J and K)

134 : <u>Stroke</u>	80 mm	3.15 in.
135 : <u>Capacity per cylinder</u>	464.5 cm ³	28.3 cu. in.
136 : <u>Total cylinder-capacity</u>	1858 cm ³	113.3 cu. in.
142 : Compression ratio	9.2	
143 : Volume of one combustion chamber	56.7 cm ³	
147 : Crankshaft	marked / stamped	

Weights

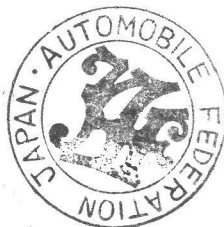
162 : Crankshaft	16.0 kg
163 : Connecting rod	0.80 kg

CARBURETION (Photograph N)

213 : Model	8R
215 : Flange hole diameter of exit port(s) of carburettor	34 ^φ & 36 ^φ mm
216 : Minimum dimensions of mixture passage(s)	23 ^φ & 29 ^φ mm

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

250 : Max. engine output	105 PS (type of horsepower : JIS)	at 5500 rpm.
251 : Maximum rpm	6200	output at that figure 100.8 PS (JIS)
252 : Maximum torque	15.0 kg-m	at 3600 rpm
253 : Maximum speed of the car	170 km/hour	



Make Toyota

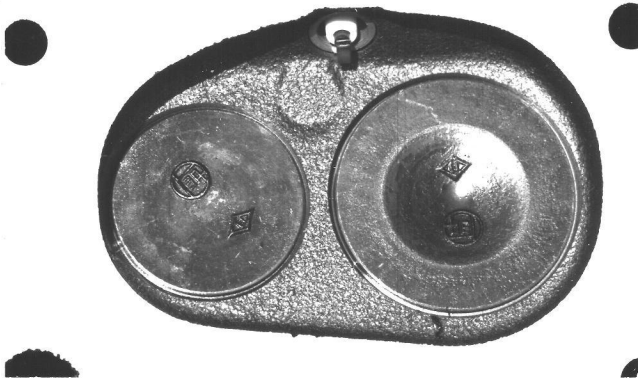
Model RT93
型式

2/2V
J.A.F公認番号 T-174V-2

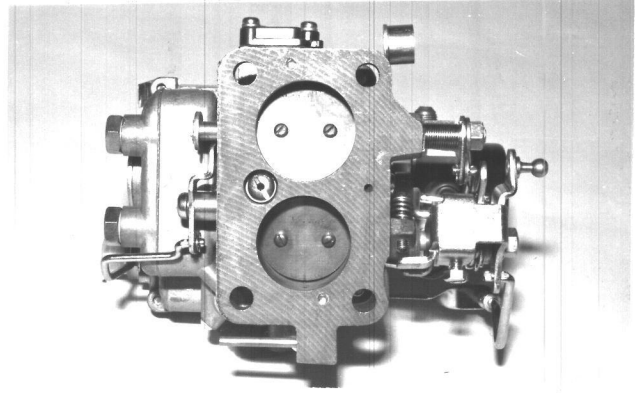
F.I.A. Rec. No. 5424

Photograph

L, combustion chamber



N, carburettor (view from side of manifold)



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



Oct 71 MSB
ORUKH

3/30



JAPAN AUTOMOBILE FEDERATION

社団 日本自動車連盟
法人

J.A.F 公認番号
発効年月日

T-174V-3
71-6月発

F. I. A. Homol. No

5429

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.
製造会社名

Model Toyota Corona Hardtop 1700, RT94.
型式及び通称名

Modification's application starts with serial No. chassis 適用シャーシー番号 RT94-000001
engine 適用エンジン番号 8R 0001001

Application of this amendment started the 1st March, 1971
適用年月日

Commercial denomination after application of modifications Toyota Corona Hardtop 1900 SL, RT93.

The modifications are to be considered as: Variant / ~~modification of the type~~
変型 / ~~型式変更~~

Date amendment is valid from List

Description of amendment 内容

NOT VALID FOR GROUP I ONLY

Another type of engine, 8R-B, can be selected for RT94 cars as maker's option.

Photo.J

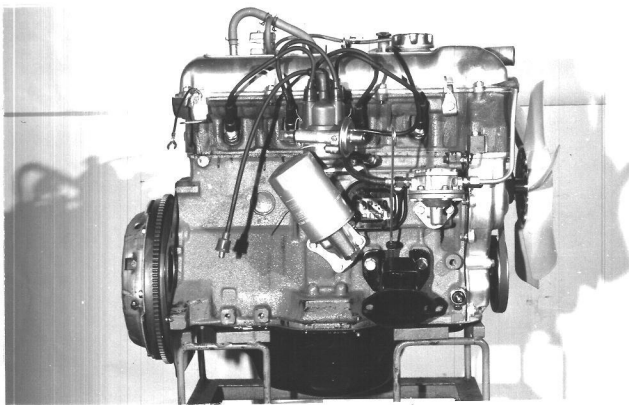
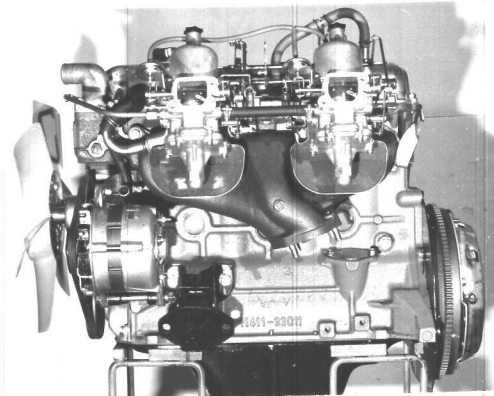


Photo.K

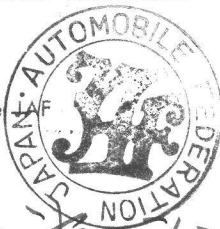


Further detailed specifications different from the original engine are described on the attached sheet.

The NO. of chassis installed this engine include on and after RT93-000001.

Stamp and signature of the JAF

JAF公認印及び署名



難波清次

Yasubaru Nanba

Stamp and signature of the F.I.A.

3/30

J.A.F公認番号 T-174V-3
F.I.A. Rec. No. 5429

Make Toyota Model RT93
型式

ENGINE (photographs J and K)

142:Compression ratio.	10.2
146:Distance from gudgeon pin center line to highest point of piston crown	44 mm
157:Number of blades of cooling fan	6

Weights

162:Crankshaft	16.0kg
163:Connecting rod	0.80kg

INLET

187:Valves open at (with tolerance for tappet clearance indicated)	B.T.D.C. $16^{\circ} \pm 7^{\circ}$
188:Valves close at (with tolerance for tappet clearance indicated)	A.B.D.C. $60^{\circ} \pm 7^{\circ}$

EXHAUST

203:Valves close at (with tolerance for tappet clearance indicated)	A.T.D.C. $12^{\circ} \pm 7^{\circ}$
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CARBURETION(Photograph N)

210:Number of carburetors fitted	2
211:Type	Side draught(SU)
213:Model	6R-B
214:Number of mixture passage per carburetor	1
215:Flange hole diameter of exit port(s) of carburetor	40 mm
216:Minimum dimension of mixture passage(s) with piston at max. hight(example:SU)	32 mm



Make Toyota

Model RT93
型式

J.A.F公認番号 T-174V-3

F.I.A. Rec. No. 5424

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

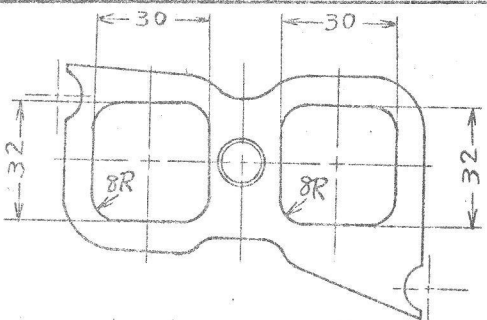
250:Max.engine output	115ps(type of horsepower:JIS) at 6000rpm ¹
251:Maximum rpm	6400 output at that figure 114.5 ps(JIS)
252:Maximum torque	155kg-m at 4000 rpm
253:Maximum speed of the car	180km/hour



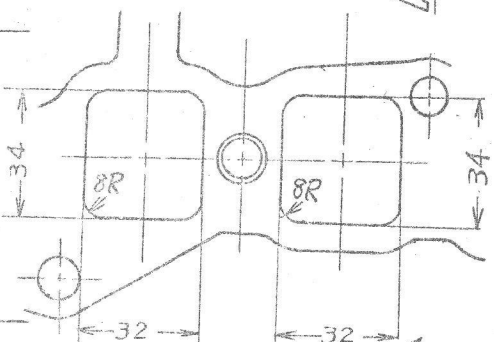
Make Toyota

Model RT93
型式

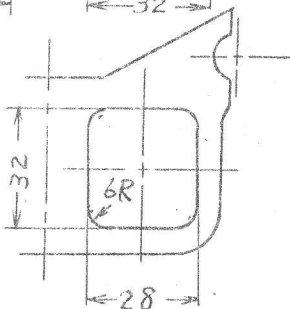
Drawing inlet
Manifold ports.
side of cylinder-
head/~~housing~~
scale or dimensions
and manufacturing
tolerance



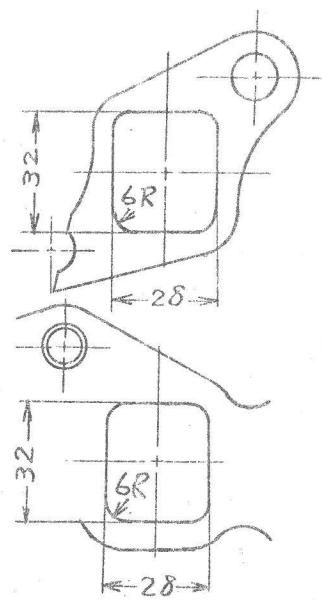
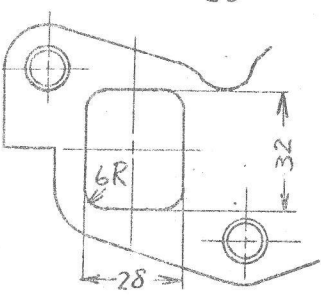
Drawing of entr-
ance to inlet
port of cylinder-
head/~~housing~~
scale or dimen-
sions and manufac-
turing tolerance.



drawing exhaust
manifold ports,
side of cylinder-
head/~~housing~~
scale or dimen-
sions and manufac-
turing tolerance.



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



Unit : mm
Tolerance: ± 1.5



3/30

Make Toyota

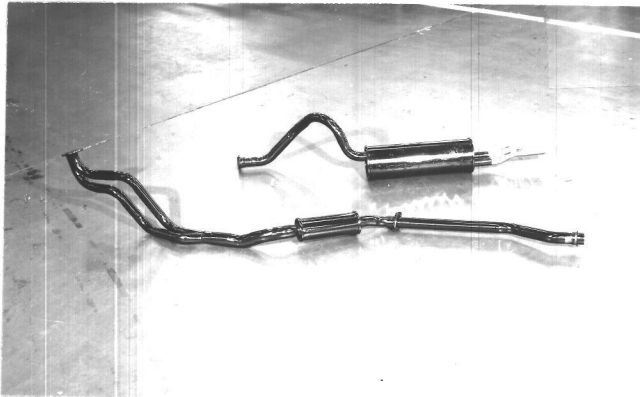
Model RT93
型式

J.A.F.公認番号 T-1747-3

F.I.A. Rec. No. 5429

Photograph

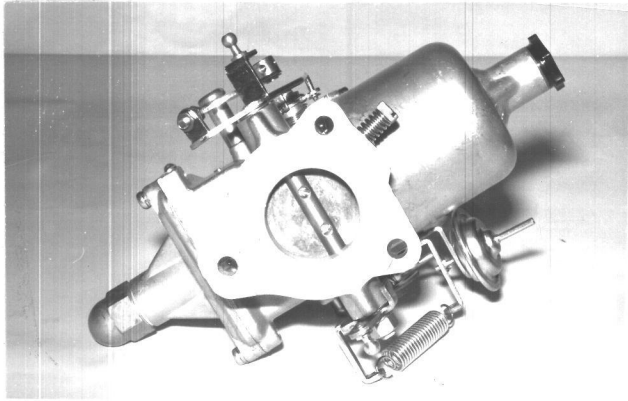
I, silencer + exhaust pipes after exhaust manifold.



M. piston crown



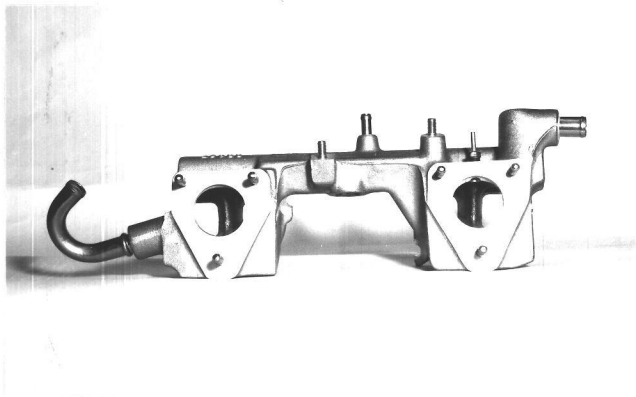
N, carburettor (view from side of manifold)



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



P, inlet manifold.



Q, exhaust manifold.

