



JAPAN AUTOMOBILE FEDERATION

法人・日本自動車連盟

JAF公認番 **T-180**
グループ **スポーツ/カー**
発効年月日 **46.9.30**
F. I. A. Recognition No. **5436**
Group

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 **TOYO KOGYO CO., LTD**
製造会社名

Serial No of chassis **S102A 100001**
製造開始シャシー番号

engine **10A**
製造開始エンジン番号

Recognition is valid from

Cylinder-capacity { Reciprocation cm³ cu.in.
レシプロ
総排気量 { Special 1964 cm³ 119.9 cu.in.
特殊

Model **MAZDA S102A**
型式及び通称名

Manufacturer **TOYO KOGYO CO., LTD**

Manufacturer **TOYO KOGYO CO., LTD**

List

The manufacturing of the model described in this recognition form was started on **July 1971** and the minimum production of **5000** identical cars, in accordance with the specifications of this form was reached on **Oct. 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	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 JAF

JAF公認印及び署名

難波靖治

Yasuharu Nanba



Stamp and signature of the F. I. A.

Make TOYO KOGYO

Model S102A
型式

F.I.A. Rec. No.

5438

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

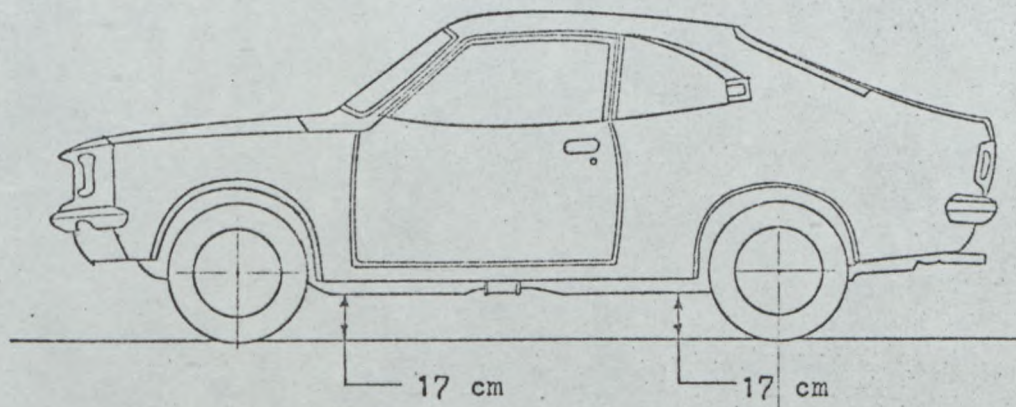
CAPACITIES AND DIMENSIONS
仕様諸元

1. <u>Wheelbase</u> ホイールベース	231.0 cm	90.9 inches
2. <u>Front track</u> トレッド (前)	130.0 cm	51.2 inches *
3. <u>Rear track</u> トレッド (後)	129.0 cm	50.8 inches *
4. Overall length of the car 全長	406.5 cm	inches
5. Overall width of the car 全幅	159.5 cm	inches
6. Overall height of the car 全高	135.0 cm	inches
7. <u>Capacity of fuel tank (reserve included)</u> 燃料タンク容量	15.9 Gallon US	60 ltrs 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 (冷用本、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)	795 kg	1752 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	158.0 cm	Rear リヤ	159.5 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



Make TOYO KOGYO Model S102A
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CHASSIS AND COACHWORK (Photographs A, B and C)

- シャーシー、ボデー
20. Chassis/body construction : ~~separate~~ / unitary construction
シャーシー/ボデーの構造 ~~別体構造~~ 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 Steel
ボデーの材質
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 Glass
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, Vinyl
42. Weight of front seat (s), complete with supports and rails, out of the car :
12 kg X 2 lbs
43. Rear seats, type of seats and upholstery Bench, Vinyl
44. Front bumper, material (s) Steel Weight 4.0 kg lbs
フロントバンパーの材質 重量
45. Rear bumper, material (s) Steel Weight 4.5 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) 5.5 kg lbs
重量
52. Method of attachment 4 Bolts
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 : ~~XXXX~~ - no
パワーステアリング ~~XXXX~~ - 無
62. Number of turns of steering wheel from lock to lock 3.5
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 | | McPherson |
| 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 axle |
| 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	50.8	mm in.	17.5	mm in.
Drum Brakes ドラムブレーキ				
95. Inside diameter ドラムの内径		mm in.	200	mm in.
96. Length of brake linings ライニングの長さ		mm in.	203	mm in.
97. Width of brake linings ライニングの幅		mm in.	32	mm in.
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.	12992	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 in.		mm in.
101. Thickness of disc ディスクの厚さ	11	mm in.		mm in.
102. Length of brake linings パッドの長さ	78	mm in.		mm in.
103. Width of brake linings パッドの幅	44	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	6864	mm ² sq. in.		mm ² sq. in.



ENGINE (photographs J and K) ** See page 15, 16 for Wankel rotary engine installed.

130. Cycle サイクル			131. Number of cylinders シリンダー数		
132. Cylinder arrangement シリンダー配列					
133. Bore ボア	mm	in.	134. Stroke ストローク	mm	in.
135. Capacity per cylinder 1シリンダーの排気量			cm ³		cu. in.
136. Total cylinder capacity 総排気量			cm ³		cu. in.
137. Material (s) of cylinder block シリンダーブロックの材質					
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				Number fitted 数	
140. Number of inlet ports 吸気孔の数			141. Number of exhaust ports 排気孔の数		
142. Compression ratio					
143. Volume of one combustion chamber			cm ³		cu. in.
144. Piston, material ピストンの材質			145. Number of rings リングの数		
146. Distance from gudgeon pin centre line to highest point of piston crown	mm	inches			
147. Crankshaft : moulded / stamped クランクシャフト 鋳造 / 鍛造			148. Type of crankshaft : integral / 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					
150. Material of bearing cap ベアリングキャップの材質					
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 潤滑油量	litrs		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		
155. Capacity of cooling system	litrs		pints		quarts US
156. Cooling fan (if fitted), dia.	mm		inches		
157. Number of blades of cooling fan					
Bearings ** ベアリング					
158. Crankshaft main, type メインベアリングの形式			Dia. 内径	mm	in.
159. Connecting rod big end, コンロッド大端部ベアリングの形式			Dia. 内径	mm	in.
Weights **					
160. Flywheel (clean)	kg		lbs		
161. Flywheel with clutch (all turning parts)			kg		lbs
162. Crankshaft	kg		lbs	163. Connecting rod	kg
164. Piston with rings and pin			kg	lbs	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



FOUR STROKE ENGINES *, ** See page 15,16 for Wankel rotary engine.

- 170. Number of camshafts
カムシャフトの数
- 172. Type of camshaft drive
カムシャフトの駆動方式
- 173. Type of valve operation
バルブの作動方式
- 171. Location
カムシャフトの位置

INLET (see page 8) *, ** See page 15,16 for Wankel rotary engine.
吸気系

- 180. Material(s) of inlet manifold
マニホールドの材質
- 181. Diameter of valves
バルブの径 mm inches
- 182. Max. valve lift
バルブリフト mm
- 183. Number of valve springs
バルブスプリングの数
- 184. Type of spring
バルブスプリングの種類
- 185. Number of valves per cylinder
シリンダー当りのバルブの数
- 186. Tappet clearance for checking timing (cold) mm inches
- 187. Valves open at (with tolerance for tappet clearance indicated)
- 188. Valves close at (with tolerance for tappet clearance indicated)
- 189. Air filter, type

EXHAUST (see page 8) *, ** See page 15,16 for Wankel rotary engine.
排気系

- 195. Material (s) of exhaust manifold
マニホールドの材質
- 196. Diameter of valves
バルブの径 mm inches
- 197. Max. valve lift
バルブリフト mm in.
- 198. Number of valve springs
バルブスプリングの数
- 199. Type of spring
バルブスプリングの種類
- 200. Number of valves per cylinder
シリンダー当りのバルブの数
- 201. Tappet clearance for checking timing (cold) mm inches
- 202. Valves open at (with tolerance for tappet clearance indicated)
- 203. Valves close at (with tolerance for tappet clearance indicated)

CARBURETION (photograph N)
気化器

- 210. Number of carburetors fitted 1
 - 211. Type Down-draft
 - 212. Make HITACHI
 - 213. Model KCB 306
 - 214. Number of mixture passages per carburettor 4
 - 215. Flange hole diameter of exit port(s) of carburettor 26 & 30, 26 & 30 mm in.
 - 216. Minimum dimensions of mixture passage(s) ~~with maximum diameter of 26 & 30 mm~~
ベンチュリーの最小寸法 (XXXXXXXXXXXXXXXXXXXX) mm inches
- 21 & 28, 21 & 28

INJECTION (if fitted)
燃料噴射

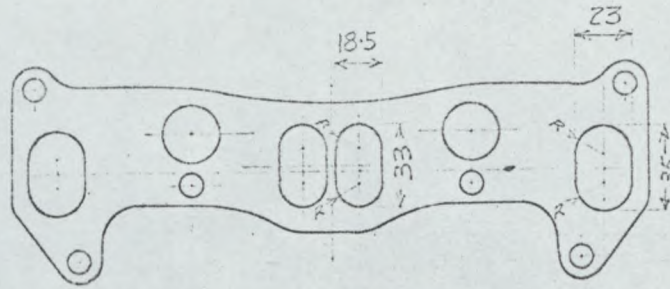
- 220. Make of pump
ポンプの製造会社
- 221. Number of plungers
プランジャーの数
- 222. Model or type of pump
ポンプの型式
- 223. Total number of injectors
ノズルの総数
- 224. Location of injectors
ノズルの位置
- 225. Minimum diameter of inlet pipe mm inches
吸気管の最小径

*) 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

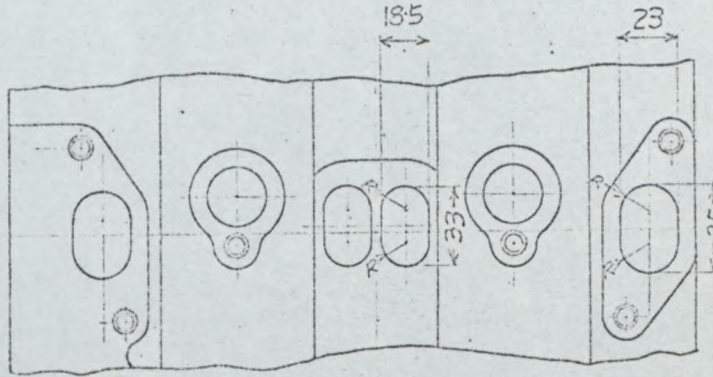
***) for additional information concerning Wankel rotary engines see page 15, 16.
ロータリーエンジンは15, 16頁参照



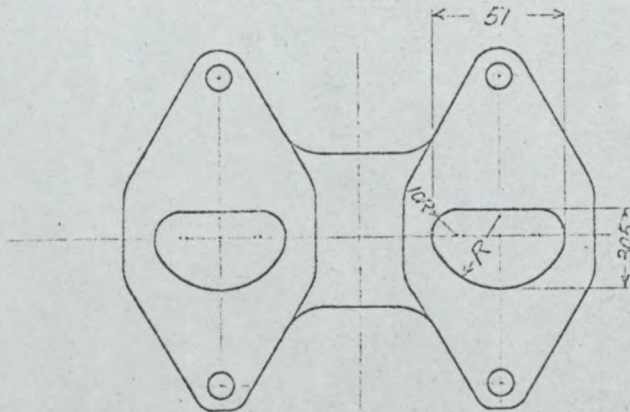
Drawing inlet manifold ports, side of ~~XXXXXX~~ base/housing scale or dimensions and manufacturing tolerance.



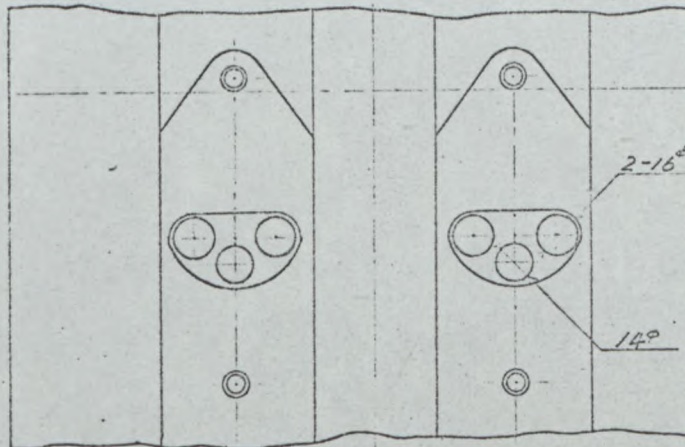
Drawing of entrance to inlet port of ~~XXXXXX~~ base/housing scale or dimensions and manufacturing tolerance.



Drawing exhaust manifold ports, side of ~~XXXXXX~~ base/housing scale or dimensions and manufacturing tolerance.



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



Unit: mm

Tolerance: ± 1



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DRIVE TRAIN

駆動系

CLUTCH

クラッチ

260. Type of clutch 形式 Dry plate
262. Dia. of clutch plates プレッシュャープレートの外径 203 mm
263. Dia. of linings, inside フェーシングの内径 130 mm
264. Method of operating clutch 作動方式 Hydraulic

261. No. of plates プレッシュャープレートの枚数 1

inches
in. outside 200 mm in.

GEAR BOX (photograph H)
トランスミッション

270. Manual type, make 手動式の製造会社名 TOYO KOGYO
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 / 3000rpm 手動 / 3000rpm			
	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	3.74	31 / 16 27 / 14			2.01	24 / 22 27 / 14		
2	2.20	31 / 16 25 / 22			1.61	24 / 22 28 / 19		
3	1.44	31 / 16 20 / 27			1.24	24 / 22 25 / 22		
4	1.00				1.00			
5								
6								
reverse リバース	4.02	31 / 16 27 / 13			2.27	24 / 22 27 / 13		

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 3.70 , 4.11
Number of teeth 歯数 37 / 10 , 37 / 9



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

4 DOOR TYPE

Photograph A

9 Weight, total weight of the car with normal equipment.

805 kg 1774 lbs

30. Material of rear-door window.

Glass



DASHBOARD Deluxe type

Photograph C

Ref. No. 0866 79 250



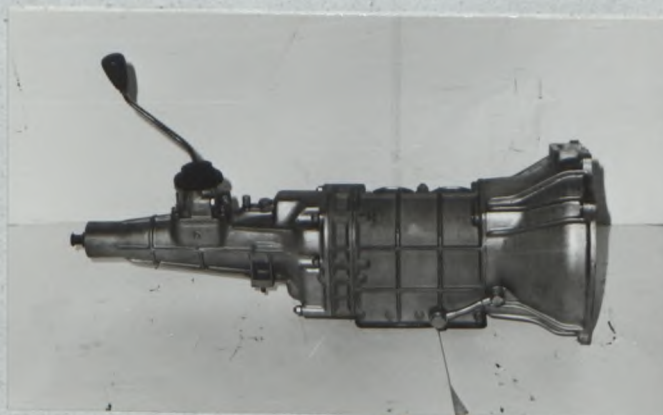
" N.B. " Following optional equipments are NOT VALID FOR GROUP 1 ONLY

5 SPEED GEAR BOX (Ref. No. 0869 79 800)

270	Manual type, make TOYO KOGYO	Method of operation	Mechanical
271	No. of gear-box ratios forward	5	
272	Synchronized forward ratios	1, 2, 3, 4 & 5	
273	Location of gear shift	Floor	

277	Manual	
	Ratio	No. teeth
1	2.34	26 / 23
		29 / 14
2	1.70	26 / 23
		30 / 20
3	1.28	26 / 23
		26 / 23
4	1.00	
5	0.85	26 / 23
		21 / 28
rev.	2.35	26 / 23 27 / 13

Photograph H

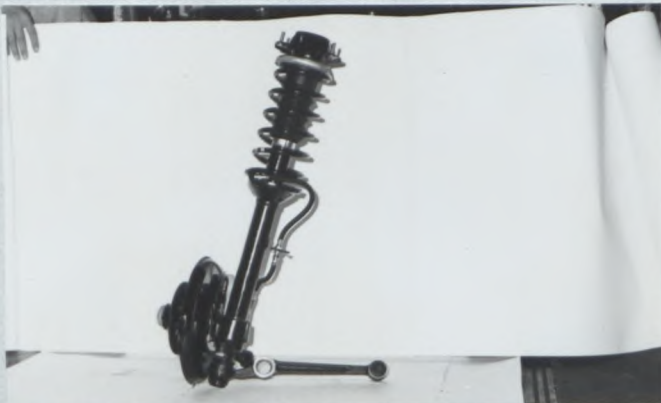


Photograph

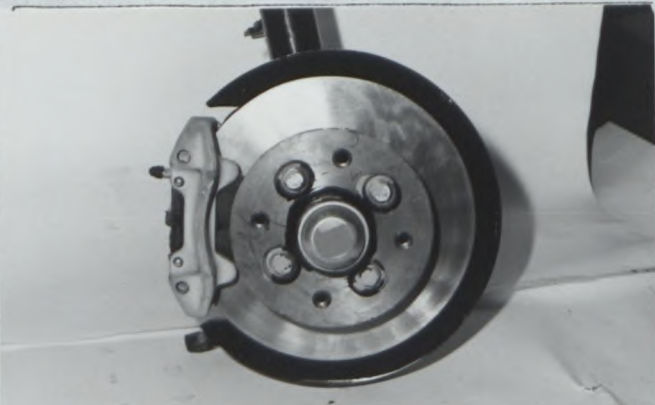
B, 3/4 view of car from rear 全体写真(斜の後方)



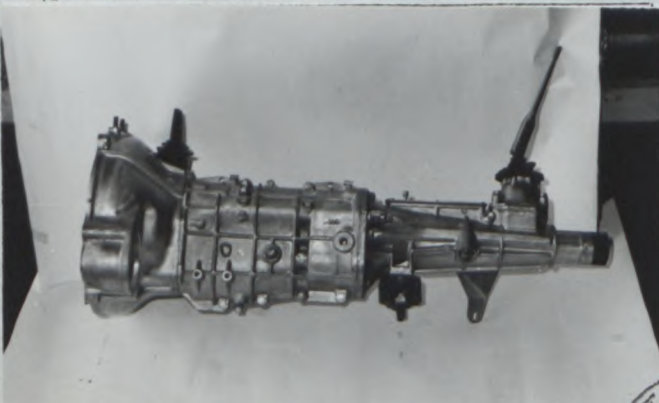
D, Front axle complete, removed from car. Without wheels.
フロントサスペンション



F, Front brake, drum removed or 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

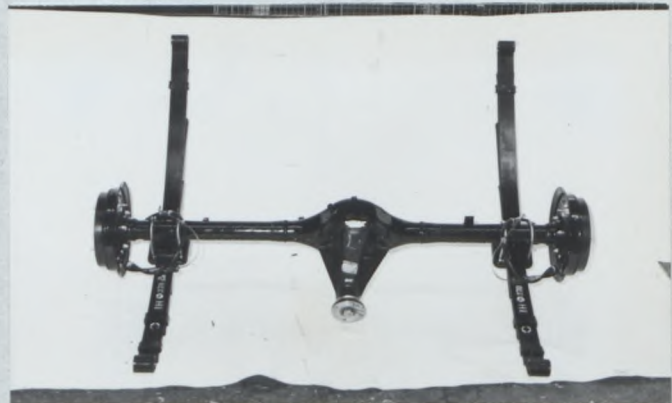


写真

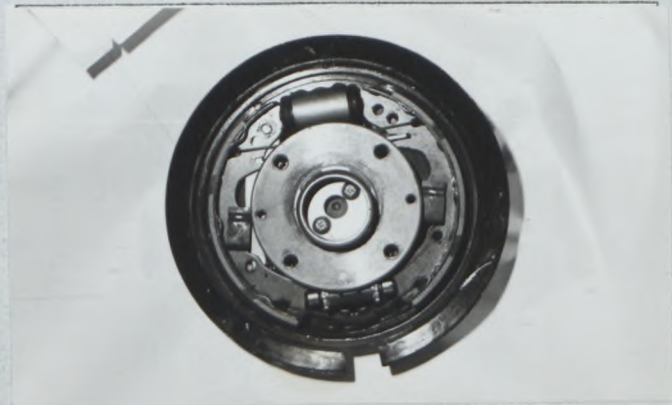
C, Interior view of car through driver's door (open or removed) with dashboard 運転席附近



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



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

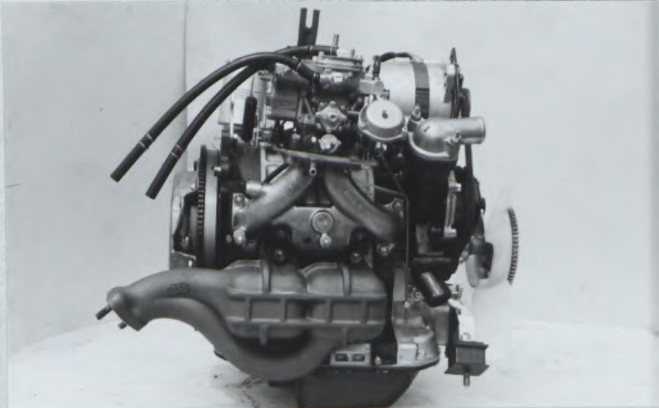


I, Silencer + exhaust pipes after exhaust manifold. 排気系

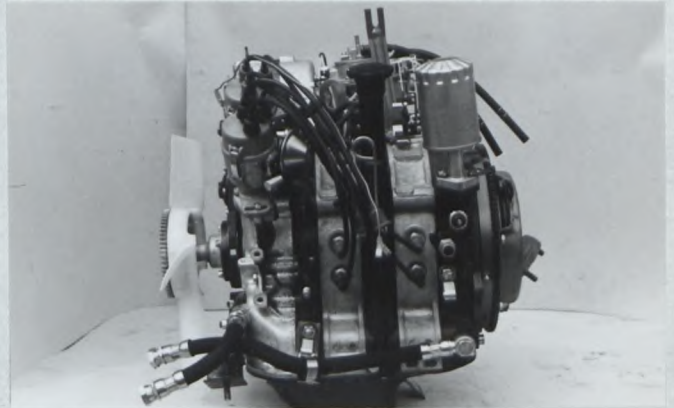


Photograph

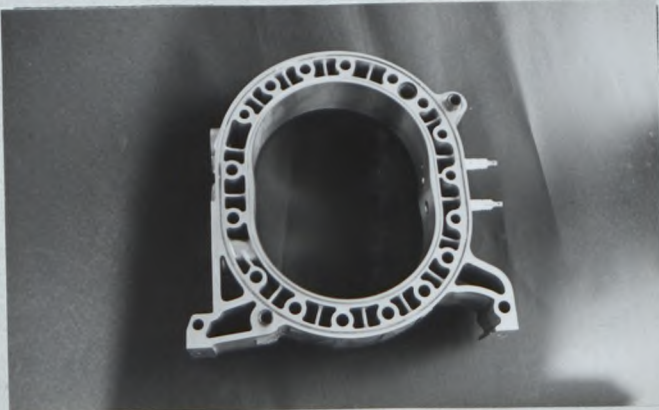
J, Engine unit out of car, from right. With clutch and accessories but without air filter nor gear-box. エンジン右側面



K, 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



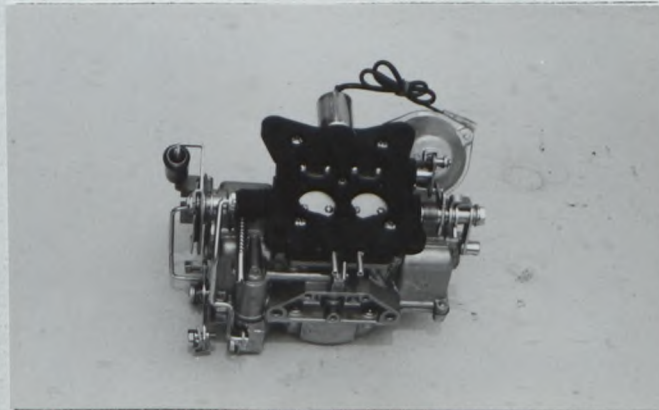
L, ~~Carburettor~~ / Rotor housing ローターハウジング



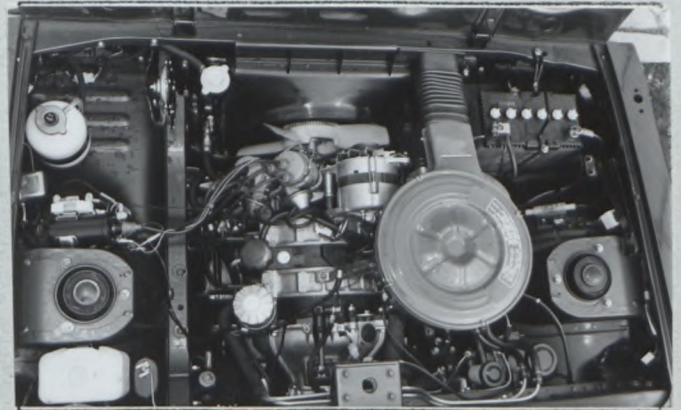
M, ~~Rotor~~ / Rotor frank ローター



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



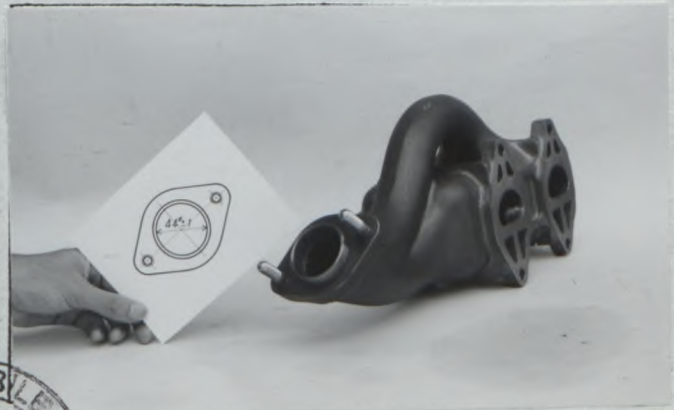
O, Engine in car with all accessories, bonnet open or removed. エンジンルーム



P, Inlet manifold 吸気マニホールド

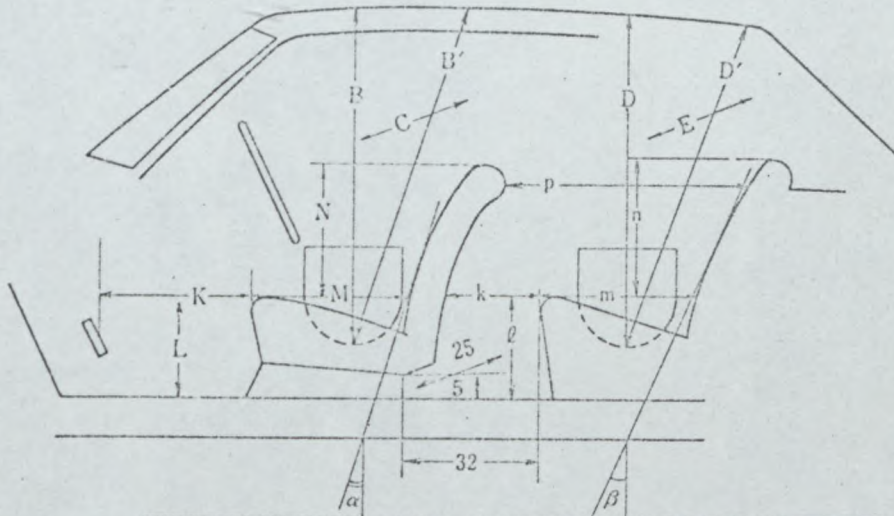


Q, Exhaust manifold 排気マニホールド



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

For four seaters:
4座車

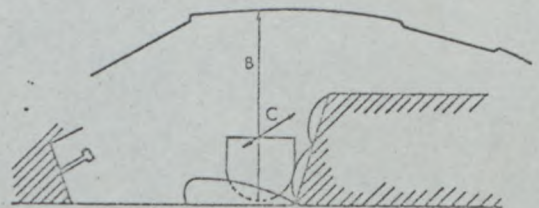


Minimum Dimensions (cm)							
B	B'	α	C	D	D'	β	E
92.0	96.0	15	127.0	91.0	87.0	24	127.0

Minimum Dimensions (cm)										
L	ℓ	M	m	N	n	k+m	p	k	k+l+m	K+L+M
28.0	31.5	46.0	45.0	48.0	42.0	66.0	77.0	21.0	97.5	121.5
0.9L = 25.2		0.85M = 39.1		0.8N = 38.4		0.8(k+m) = 52.8		(15)	(95)	(120)

For two seaters:
2座車

Minimum Dimensions	
B	C
cm	cm



Make TOYO KOGYO

Model S102A
型式

F.I.A. Rec. No.

5436

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 TOYO KOGYO

Model S102A
型式

F.I.A. Rec. No.

5436

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	2 node 3 lobe type rotor, 4 stroke Otto cycle.		
401. No of rotors ローターの数	2		
402. Rotor arrangement ローターの配列	In line		
403. Trochoid, length of major Axis トロコイドの長径	240.0 mm	9.45 in.	
404. Trochoid, length of minor Axis トロコイドの短径	180.0 mm	7.09 in.	
405. Trochoid, width トロコイドの幅	60.0 mm	2.36 in.	
406. Trochoid, generating radius (Containing equidistance) トロコイドの生成半径(平行移動軌を含む)	105.0 mm	4.13 in.	
407. Eccentricity 偏心率	15.0 mm	0.59 in.	
408. Capacity per Rotor 1ローター当りの掃気量	491 cm ³	29.96 cu. in.	
409. Total capacity 総掃気量	982 cm ³	59.93 cu. in.	
410. Equivalent total capacity (by App. J Art. 252) 換算総掃気量(J項 252条による)	1964 cm ³	119.85 cu. in.	
411. Material(s) of side housing サイドハウジングの材質	Cast iron		
412. Material(s) of rotor housing ローターハウジングの材質	Aluminium alloy		
413. Number of inlet ports 吸気孔の数	4		
414. Number of exhaust ports 排気孔の数	2		
415. Compression ratio	9.4		
416. Volume of one combustion chamber	58.5	cm ³	cu. in.
417. Rotor material ローターの材質	Cast iron		
418. Number of apex seal per rotor ローター当りのアペックスシールの数	3		
419. Number of corner seal per rotor ローター当りのコーナースीलの数	6		
420. Number of side seal per rotor ローター当りのサイドシールの数	12		



Make TOYO KOGYO Model S102A
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 4
422. Eccentric shaft: ~~stamped~~ / stamped
偏心軸: ~~写像/製造~~ / 製造
423. Type of eccentric shaft: integral / ~~XXXXXX~~
偏心軸の形式: 一体式 / ~~XXXXXX~~
424. Number of eccentric shaft main bearings 2
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 | Plain | Dia.
内径 | 43 | mm | in. |
| 441. Rotor bearing
ローターベアリング | Type
形式 | Plain | Dia.
外径 | 74 | mm | in. |
- Weights
450. Flywheel (clean) 11.5 kg
451. Flywheel with clutch (all turning parts) 16.1 kg
452. Eccentric shaft 5.7 kg
453. Rotor with seals, gear and bearing 4.0 kg
- Inlet (See page 8)
吸気系
460. Material(s) of inlet manifold Aluminium alloy
マニホールドの材質
461. Location of inlet ports Side housing (4)
吸気孔の位置
462. Inlet port area per rotor. 1430 mm² sq. in.
463. Inlet port open at (with tolerance) 32° ± 10° A.T.D.C.
吸気孔開き始め (公差を含む)
464. Inlet port close at (with tolerance) 40° ± 10° A.B.D.C.
吸気孔閉じ終り (公差を含む)
465. Air filter type Dry
- Exhaust (See page 8)
排気系
470. Material(s) of exhaust manifold Cast iron
マニホールドの材質
471. Location of exhaust Ports Rotor housing (2)
排気孔の位置
472. Exhaust port area per rotor 420 mm² sq. in.
473. Exhaust port open at (with tolerance) 80° ± 10° B.B.D.C.
排気孔開き始め (公差を含む)
474. Exhaust port close at (with tolerance) 48° ± 10° A.T.D.C.
排気孔閉じ終り (公差を含む)



CONTINUE Optional equipments are NOT VALID FOR GROUP 1 ONLY

~~WING EXTENSION KIT FRONT & REAR~~

31. Dez. 1975

~~Front (Right) 0870 77 858 A~~

~~Rear (Right) 0870 77 858 C~~

~~(Left) 0870 77 858 B~~

~~(Left) 0870 77 858 D~~



UNGÜLTIG
NO VALABLE

DISC BRAKES

- 93. Number of cylinder per wheel
- 94. Bore of wheel cylinder(s)
- 100. Outside diameter
- 101. Thickness of disc
- 102. Length of brake linings
- 103. Width of brake linings
- 104. Number of pads per brake
- 105. Total area per brake

FRONT

REAR

2		1	
54.0	mm	31.8	mm
254	mm	230	mm
20	mm	10	mm
78	mm	98	mm
52	mm	38	mm
2		2	
8112	mm ²	7448	mm ²

Ref. No. Front (R) 0864 04 800
(L) 0864 04 900

Rear (R) Set : 0864 05 000
(L)

Photograph F
Front brake, disc with caliper.

Photograph G
Rear brake, disc with caliper



~~PROTECTION SHIELD UNDER THE CAR~~

~~Ref. No. 0867 78 580~~

31. Dez. 1975

UNGÜLTIG
NO VALABLE





JAPAN AUTOMOBILE FEDERATION

社団法人 日本自動車連盟

J.A.F.公認番号 T-180V-1
発効年月日 46. 9. 30

1/IV

F. I. A. Homol. No. JK36

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 TOYO KOGYO CO., LTD 製造会社名
 Model MAZDA S102A 型式及び通称名
 Modification's application starts with serial No. chassis 適用シャーシー番号 S102A 100001
 engine 適用エンジン番号 10A
 Application of this amendment started the 6th September 1971 適用年月日
 Commercial denomination after application of modifications
 The modifications are to be considered as: Variant / 型式変更
 Date amendment is valid from List

Description of amendment 内容

Optional equipment

NOT VALID FOR GROUP 1 ONLY

31. Dez. 1975

FRONT AIR SPOILER

Ref. No.

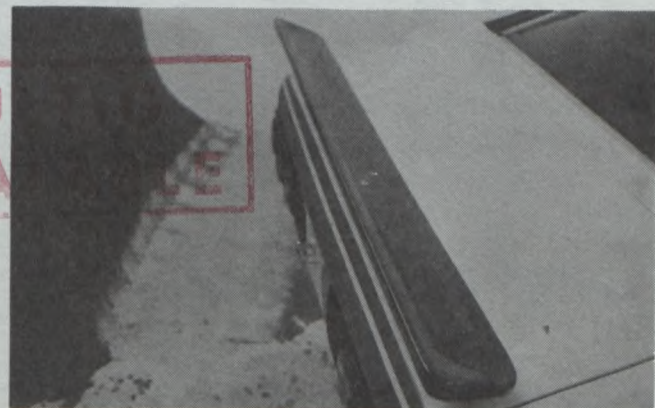
(Right) 0839 77 857 A

(Left) 0839 77 857 B



TAIL WING

Ref. No. 0870 77 856



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

社団法人 日本自動車連盟

J.A.F公認番号 T-180 V-6
発効年月日 1973年 5月31日
F.I.A. Homol. No 5436

2/2V

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 TOYO KOGYO CO., LTD. Model MAZDA S102A
 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 S102A 100001
 engine 適用エンジン型式番号 10A
 Application of this amendment started the Sept. 1st 1972
 適用年月日
 Commercial denomination after application of modifications
 The modifications are to be considered as: Variant/
 変型/
 Date amendment is valid from 1.10.1973 List

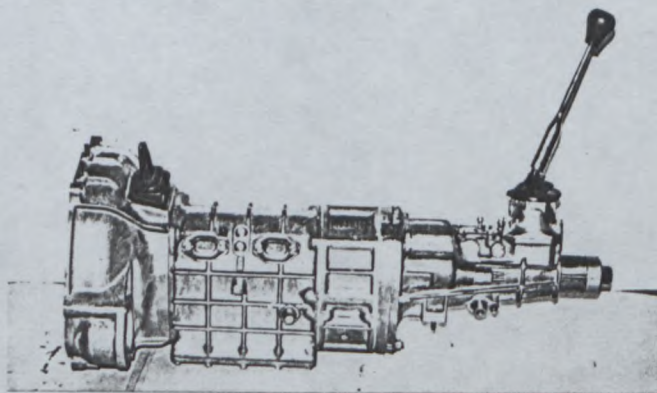
Description of amendment 内容

Optional equipment

5 Speed Gear Box (Ref. No. 862 03 000) (Attached Production certificate)
 270. Manual type, make TOYO KOGYO Method of operation Mechanical
 271. No. of gear-box ratios forward 5
 272. Synchronized forward ratios 1, 2, 3, 4 & 5
 273. Location of gear shift Floor

277.	Manual	
	Ratio	No. teeth
1	3.68	32 / 18 29 / 14
2	2.26	32 / 18 28 / 22
3	1.40	32 / 18 22 / 28
4	1.00	
5	0.86	32 / 18 16 / 33
rev.	3.69	32 / 18 27 / 13

Photograph H



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.

[Signature]