



JAPAN AUTOMOBILE FEDERATION

F. I. A. Recognition No. 1540
Group 2 - Touring

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

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

Manufacturer TOYO KOGYO CO., LTD.

Serial No. of chassis STA-10001

Serial No. of engine TB-10001

Recognition is valid from 1st November 1968

The manufacturing of the model described in this recognition form was started on MAY 1968 and the minimum production of 1,000 identical cars, in accordance with the specifications of this form was reached on August 1968

Cylinder-capacity 1169 cm³ 71.34 cu in

Model STA (MAZDA 1200 SEDAN)

Manufacturer TOYO KOGYO

Manufacturer TOYO KOGYO

List 1968/10

Photograph A. 3/4 view of car from front



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

Variants

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

Stamp and signature of the
National Sporting Authority

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 F. I. A.

Make TOYO KOGYO

Model STA

F. I. A. Rec. No.

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

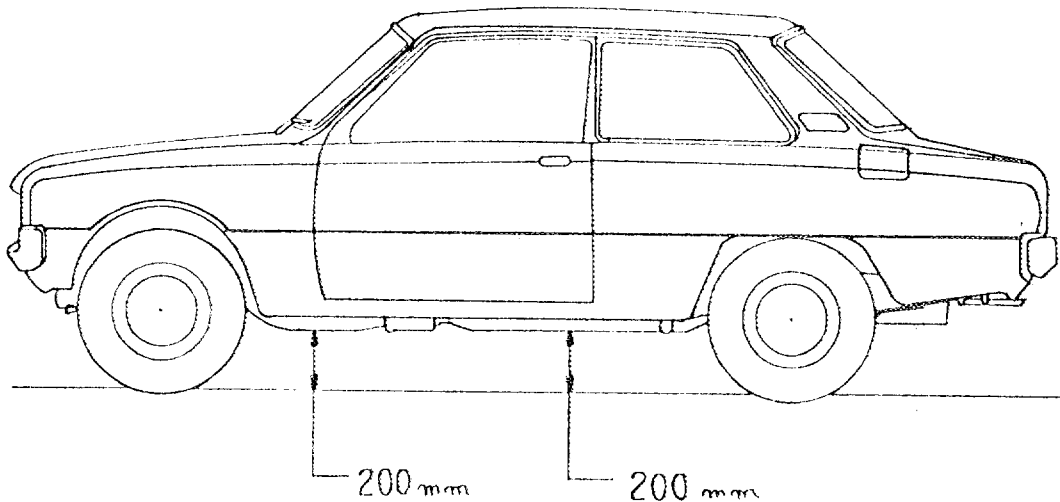
CAPACITIES AND DIMENSIONS

1. <u>Wheelbase</u>	2,260	mm	89.0	inches
2. <u>Front track</u>	1,200	mm	47.2	inches *
3. <u>Rear track</u>	1,190	mm	46.9	inches *
4. Overall length of the car		379.5	cm	inches
5. Overall width of the car		148.0	cm	inches
6. Overall height of the car		139.0	cm	inches
7. <u>Capacity of fuel tank</u> (reserve included)				40 ltrs
	10.6	Gallon US		Gallon Imp.
8. Seating capacity	5			
9. <u>Weight</u> , total weight of the car with normal equipment, water, oil and spare wheel but without fuel nor repair tools:				
	670	kg	1477	lbs cwt

* Differences in track caused by the use of other wheels with different rim widths must be stated when recognition is requested for the wheels concerned.

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

These ground clearance dimensions are only for information when checking the track and can in no way affect the eligibility of the car.



CONVERSION TABLE

1 inch / pouce	2.54 cm	1 quart US	0.9464 ltrs
1 foot / pied	30.4794 cm	1 pint (pt)	0.568 ltrs
1 square inch / pouce carré	6.452 cm ²	1 gallon imp.	4.546 ltrs
1 cubic inch / pouce cube	16.387 cm ³	1 gallon US	3.785 ltrs
1 pound / livre (lb)	453.593 gr.	1 hundred weight (cwt)	50.802 kg

CHASSIS AND COACHWORK (Photographs A, B and C)

- 20. Chassis/body construction : ~~XXXX~~ / unitary construction
- 21. Unitary construction, material (s) **steel**
Separate construction
- 22. Separate Constructions: Material(s) of chassis
- 23. Material (s) of coachwork **steel**
- 24. Number of doors 2 Material (s) **steel**
- 25. Material (s) of bonnet **steel**
- 26. Material (s) of boot lid **steel**
- 27. Material (s) of rear-window **Glass**
- 28. Material (s) of windscreen **Glass**
- 29. Material (s) of front-door windows **Glass**
- 30. Material (s) of rear-door windows
- 31. Sliding system of door windows **Vertical, Manual**
- 32. Material (s) of rear-quarter light **Glass**

ACCESSORIES AND UPHOLSTERY

- 38. Interior heating : ~~YES~~ - no
- 39. Air-conditioning : ~~YES~~ - no
- 40. Ventilation : yes - ~~NO~~
- 41. Front seats, type of seats and upholstery **Separate Seat & Vinyl Leather**
- 42. Weight of front seat (s), complete with supports and rails, out of the car :

13 x 2	kg	lbs
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- 43. Rear seats, type of seats and upholstery **Bench Seat & Vinyl Leather**
- 44. Front bumper, material (s) **Steel** Weight **3.6** kg lbs
- 45. Rear bumper, material (s) **Steel** Weight **2.7** kg lbs

WHEELS

- 50. Type **Pressed Steel**
- 51. Weight (per wheel, without tyre) **4.5 (4J)** kg **5.3 (4 1/2J)** kg ~~XXX~~
- 52. Method of attachment **4 Hub-Bolt**
- 53. Rim diameter **304** mm **12** inches
- 54. Rim width **102** mm **4** inches
- 114** mm **4 1/2** inches

STEERING

- 60. Type **Ball and Nuts TYPE**
- 61. Servo-assistance : ~~YES~~ - no
- 62. Number of turns of steering wheel from lock to lock **3.7**
- 63. In case of servo-assistance

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SUSPENSION

70. Front suspension (photogr. D), type Independent, ~~Strut~~-Type Macpherson
 71. Type of spring Coil
 72. Stabiliser (if fitted) Torsion Bar
 73. Number of shockabsorbers 2
 74. Type Hydraulic, Telescopic
 78. Rear suspension (photogr. E), type Rigid Axle Case, Leaf Spring
 79. Type of spring Semi-Elliptic Leaf Spring
 80. Stabiliser (if fitted)
 81. Number of shockabsorbers 2
 82. Type Hydraulic, Telescopic

BRAXES (photographs F and G)

90. System Hydraulic
 91. Servo-assistance (if fitted), type
 92. Number of hydraulic master cylinders 1
 93. Number of cylinders per wheel FRONT REAR
 2 1
 94. Bore of wheel cylinder (s) 22.22 mm in. 19.05 mm in.

Drum brakes

95. Inside diameter 200 mm in. 200 mm in.
 96. Length of brake linings 200 mm in. 200 mm in.
 97. Width of brake linings 32 mm in. 32 mm in.
 98. Number of shoes per brake 2 2
 99. Total area per brake 12800 mm² sq. in. 12800 mm² sq. in.

Disc brakes

100. Outside diameter mm in. mm in.
 101. Thickness of disc mm in. mm in.
 102. Length of brake linings mm in. mm in.
 103. Width of brake linings mm in. mm in.
 104. Number of pads per brake
 105. Total area per brake mm² sq. in. mm² sq. in.

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ENGINE (photographs J and K)

130. Cycle	4	131. Number of cylinders	4
132. Cylinder arrangement	In Line		
133. Bore 70 mm	2.8 in.	134. Stroke 76 mm	3.0 in.
135. Capacity per cylinder	293	cm ³	17.9 cu. in.
136. Total cylinder-capacity	1169	cm ³	71.3 cu. in.
137. Material (s) of cylinder block	Al-Alloy		
138. Material (s) of sleeves (if fitted)	Cast Iron		
139. Cylinder-head, material (s)	Al-Alloy	Number fitted	1
140. Number of inlet ports	4	141. Number of exhaust ports	4
142. Compression ratio	8.6		
143. Volume of one combustion chamber		38.3 cm ³	cu. in.
144. Piston, material	Al-Alloy	145. Number of rings	3
146. Distance from gudgeon pin centre line to highest point of piston crown	39 mm		inches
147. Crankshaft : moulded / stamped		148. Type of crankshaft : integral /	XXXXXXXX
149. Number of crankshaft main bearings	5		
150. Material of bearing cap	Al-Alloy	Al-Alloy and Cast Iron	
151. System of lubrication : dry-sump / oil in sump			
152. Capacity, lubricant 3 ltrs		pts	quarts US
153. Oil cooler : yes / no			
155. Capacity of cooling system 3.5 ltrs		pints	quarts US
156. Cooling fan (if fitted), dia. 320 cm		inches	
157. Number of blades of cooling fan	4		

Bearings

158. Crankshaft main, type	Plain	Dia.	56 mm	in.
159. Connecting rod big end,	Plain	Dia.	45 mm	in.

Weights

160. Flywheel (clean)	8.44 kg	lbs	
161. Flywheel with clutch (all turning parts)		12.44 kg	lbs
162. Crankshaft	12.7 kg	lbs	
163. Connecting rod		0.52 kg	lbs
164. Piston with rings and pin		0.37 kg	lbs

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FOUR STROKE ENGINES

170. Number of camshafts 1 171. Location Cylinder Block
 172. Type of camshaft drive Chain
 173. Type of valve operation Push Rod

INLET (see page 8) *

180. Material(s) of inlet manifold Al-Cast
 181. Diameter of valves 34 mm 1.3 inches
 182. Max. valve lift 8.2 mm 0.32 in. 183. Number of valve springs 1
 184. Type of spring Coil 185. Number of valves per cylinder 1
 186. Tappet clearance for checking timing (cold) 0.3 mm inches
 187. Valves open at (with tolerance for tappet clearance indicated) 14° BTDC ± 7°
 188. Valves close at (with tolerance for tappet clearance indicated) 53° ABDC ± 7°
 189. Air filter, type Dry

EXHAUST (see page 8)

195. Material (s) of exhaust manifold Steel
 196. Diameter of valves 29 mm 1.14 inches
 197. Max. valve lift 8.2 mm 0.32 in. 198. Number of valve springs 1
 199. Type of spring Coil 200. Number of valves per cylinder 1
 201. Tappet clearance for checking timing (cold) 0.3 mm inches
 202. Valves open at (with tolerance for tappet clearance indicated) 57° BBDC ± 7°
 203. Valves close at (with tolerance for tappet clearance indicated) 10° ATDC ± 7°

CARBURETION (photograph N)

210. Number of carburetors fitted 1 211. Type Down Draft
 212. Make HITACHI 213. Model DTC
 214. Number of mixture passages per carburetor 2
 215. Flange hole diameter of exit port(s) of carburetor 26 φ, 30 φ mm in.
 216. Minimum dimensions of mixture passage(s) with inlet at max height from inlet
 20 & 26 mm inches

INJECTION (if fitted)

220. Make of pump 221. Number of plungers
 222. Model or type of pump 223. Total number of injectors
 224. Location of injectors
 225. Minimum diameter of inlet pipe mm inches

*) for additional information concerning two-stroke engines and super-charged engines see page 13.

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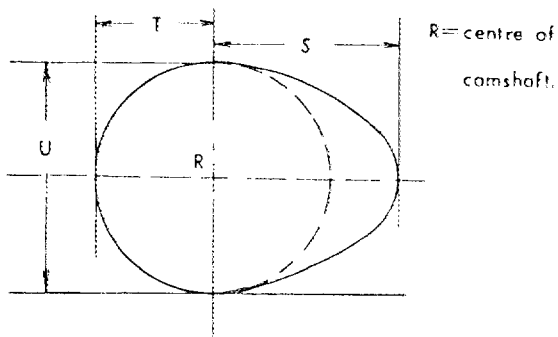
ENGINE ACCESSORIES

- 230. Fuel pump : mechanical ~~XXXXXX~~ ~~XXXXXX~~ ~~XXXXXX~~
- 231. No. fitted 1
- 232. Type of ignition system Make & Break Ignition
- 233. No. of distributors 1
- 234. No. of ignition coils 1
- 235. No. of spark plugs per cylinder 1
- 236. Generator, type ~~XXXXXX~~/alternator-number fitted 1
- 237. Method of drive V-Belt
- 238. Voltage of generator 14 volts
- 239. Battery, number 1
- 240. Location Engine Room
- 241. Voltage of battery 12 volts

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

- 250. Max. engine output 68 PS (type of horsepower: JIS) at 6,000 rpm
- 251. Maximum rpm 6000 rpm output at that figure 68 PS
- 252. Maximum torque 9.6 kg-m at 3000 rpm
- 253. Maximum speed of the car 145 km/hour miles / hour

255.



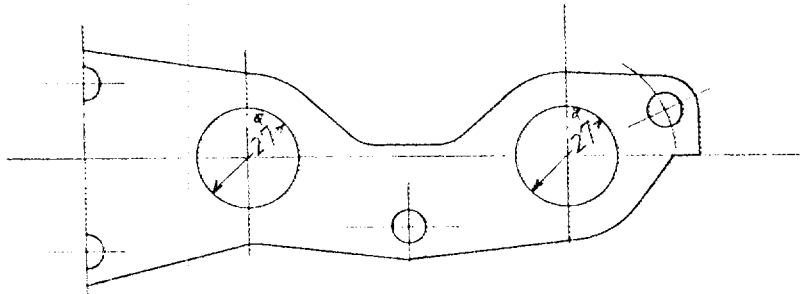
Inlet cam

- S = 21.6 mm 0.85 inches
- T = 15.0 mm 0.59 inches
- U = 30.0 mm 1.20 inches

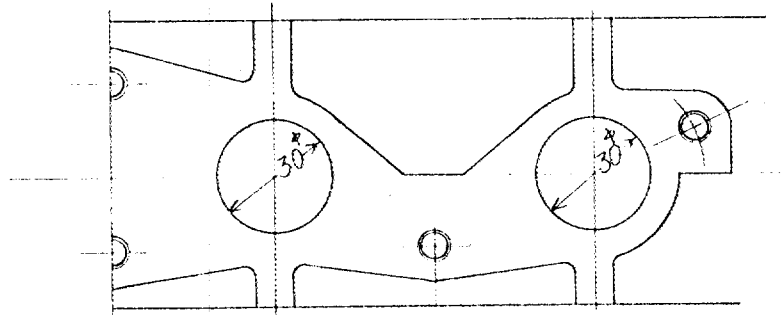
Exhaust cam

- S = 21.6 mm 0.85 inches
- T = 15.0 mm 0.59 inches
- U = 30.0 mm 1.20 inches

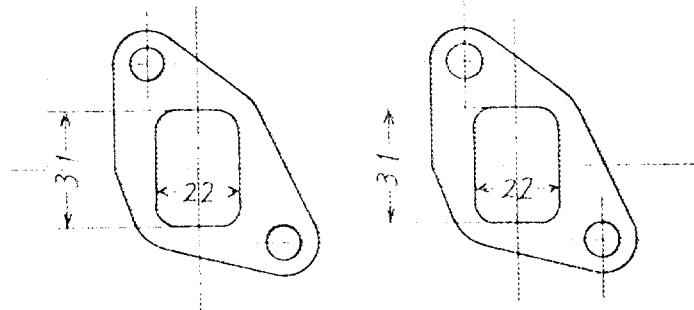
Drawing inlet manifold parts, side of cylinder-head. Indicate scale or dimensions and manufacturing tolerance.



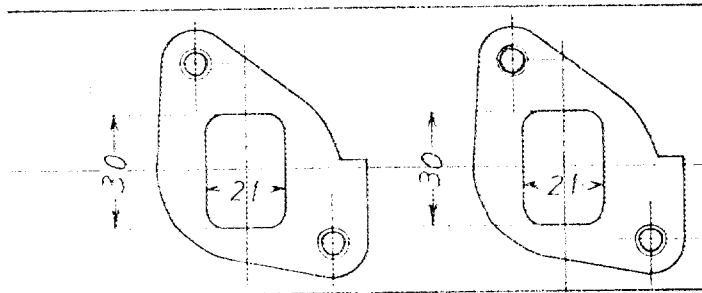
Drawing of entrance to inlet part of cylinder-head. Indicate scale or dimensions and manufacturing tolerance.



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



Drawing of exit to exhaust part of cylinder-head. Indicate scale or dimensions and manufacturing tolerance.



Unit: mm

Tolerance: ± 1.5

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DRIVE TRAIN

CLUTCH

260 Type of clutch Dry plate
 261 No. of plates 1
 262 Dia. of clutch plates 18.8 cm inches
 263 Dia. of flings inside 12.7 cm in outside 18.4 cm in
 264 Method of operating clutch Hydraulic

GEAR BOX (photograph H)

270 Manual type, make TOYO KOGYO Method of operation MECHANICAL
 271 No. of gear-box ratios forward 4 or 5 272 Synchronized forward ratios 1, 2, 3 & 4
 273 Location of gear-shift Floor or Column or 1, 2, 3, 4 & 5
 274 Automatic, make type
 275 No. of forward ratios 276 Location of gear-shift

277.	Manual			Automatic			Manual			
	Ratio	No.	teeth	Ratio	No.	teeth	Ratio	No.	teeth	
1	3.655	30/17	29/14	3.337	29/18	29/14	3.303	29/17	4.013	31/16
2	2.185	30/17	26/21	1.995	29/18	26/21	2.218	29/17	2.399	31/16
3	1.425	30/17	21/26	1.301	29/18	21/26	1.564	29/17	1.435	31/16
4	1.000			1.000			1.200	29/17	1.000	
5							1.000	19/27		
6		30/17	29/14		29/18	29/14		29/17		31/16
reverse	3.655			3.337			3.398	34/16	4.013	29/14

278. Overdrive, type
 279. Forward gears on which overdrive can be selected
 280. Overdrive ratio

FINAL DRIVE

290 Type of final drive Hypoid Gear
 291 Type of differential Straight Bevel Gear
 292 Type of limited slip differential if fitted ~~H.C.M.~~ Type Mechanical
 293 Final drive ratio 3.9 4.111 4.375 4.625 4.875 5.125 5.375
 Number of teeth 39/10 37/9 35/8 37/8 39/8 41/8 43/8

Make

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Model

STA

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IMPORTANT- The conformity of the car with the following items of the present recognition form is to be disregarded during the scrutineering, when the vehicle has been entered in group 2 (Touring cars) or 3 (Grand Touring cars): 41, 72, 80, 91, 142, 143, 144, 145, 146, 153, 156, 157, 160, 161, 162, 163, 164, 182, 184, 186, 187, 188, 189, 199, 201, 202, 203, 212, 213, 215, 216, 222, 225, 230, 250, 251, 252, 253, and photographs I, M, N, and page 8

During the scrutineering of cars entered in group 4 (Sportscars) only the following items of the present recognition form are to be taken into consideration: 1, 2, 3, 9, 20, 21, 22, 23, 24, 25, 26, 70, 71, 78, 79, 90, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 147, 148, 149, 150, 158, 159, 170, 171, 172, 173, 185, 200, 270, 271, 274, 275, 290, 291, 292 and photographs A, B, D, E, F, G, H, J, K, and O.

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

51 Weight (per wheel without tyre) 4.5 kg (4J), 4.7 kg (4.5J)

53 Rim Diameter 330 mm 13 inches

54 Rim Width 102 mm 4.0 inches
 114 mm 4.5 inches

4-DOOR TYPE

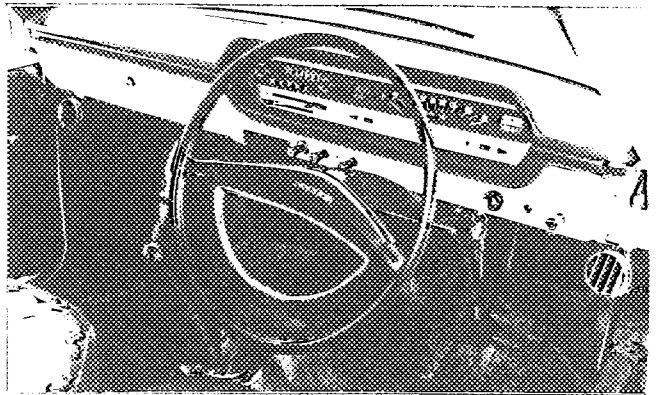


Photograph

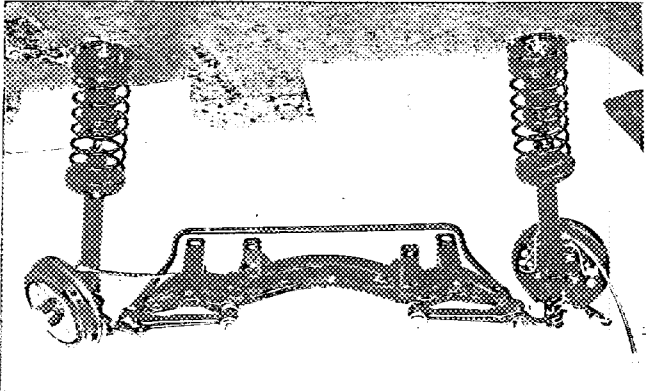
B, 3/4 view of car from rear



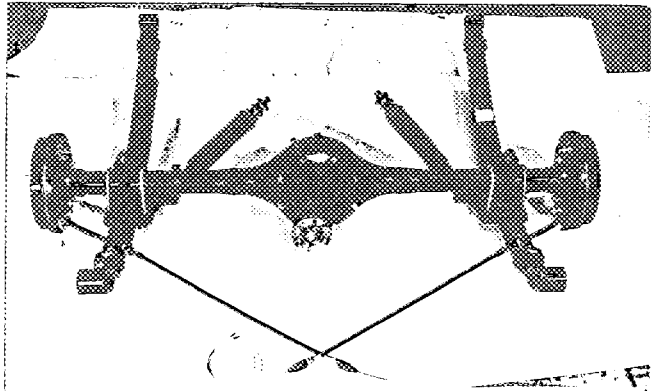
C, interior view of car through driver's door (topen or removed) with dashboard



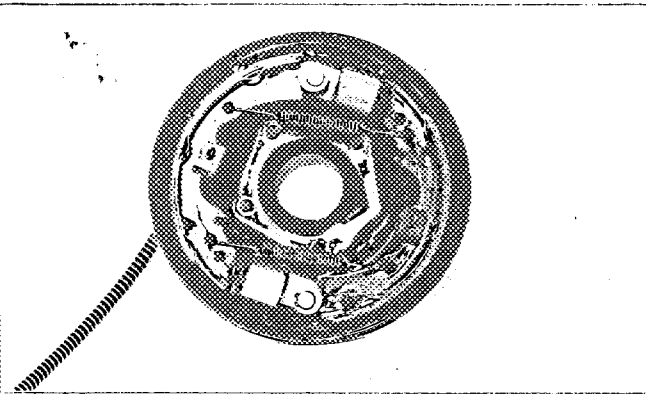
D, front axle complete, removed from car. Without wheels.



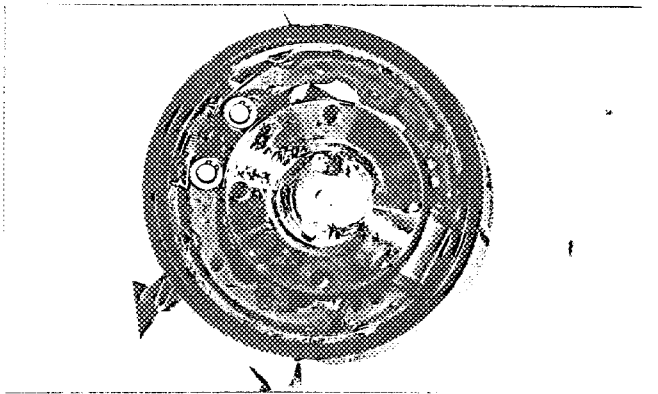
E, Rear axle complete without wheels, removed from car.



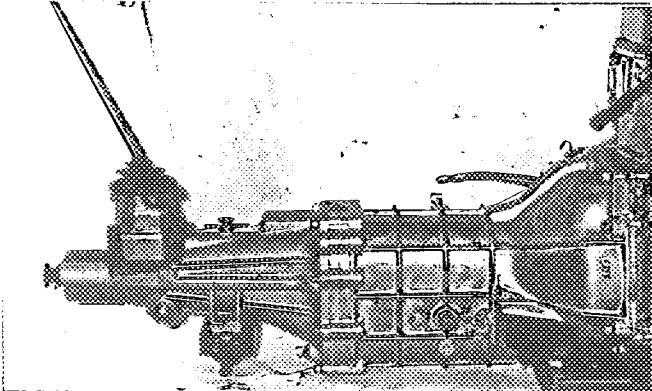
F, front brake drum removed or disc with calipers



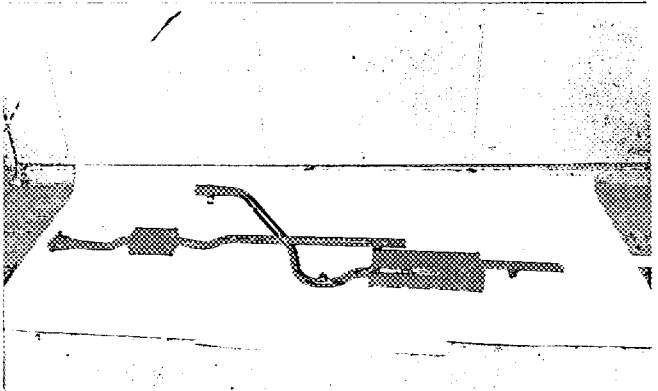
G, rear brake drum removed or disc with calipers



H, gear-box, view from side



I, silencer + exhaust pipes after exhaust manifold.



Make TOYO KOGYO

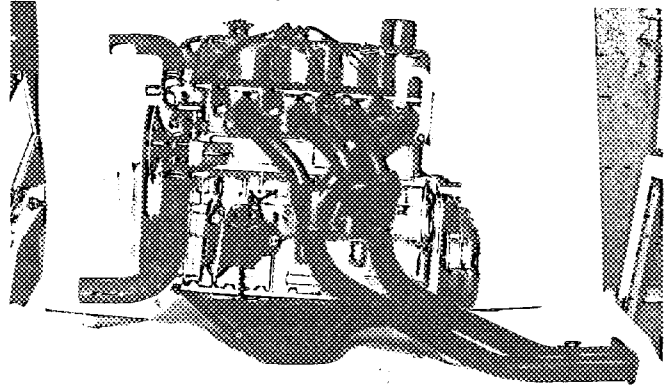
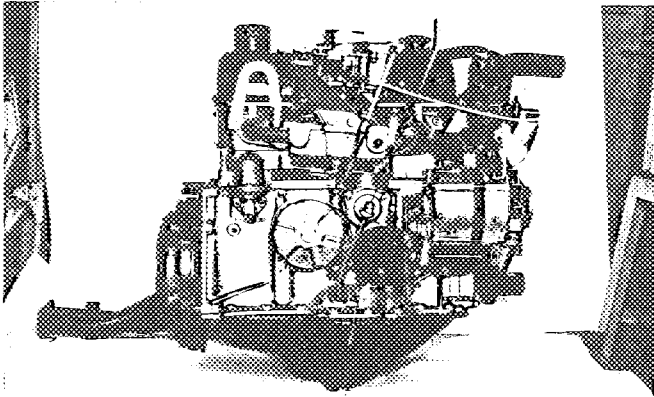
Model STA

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Photograph

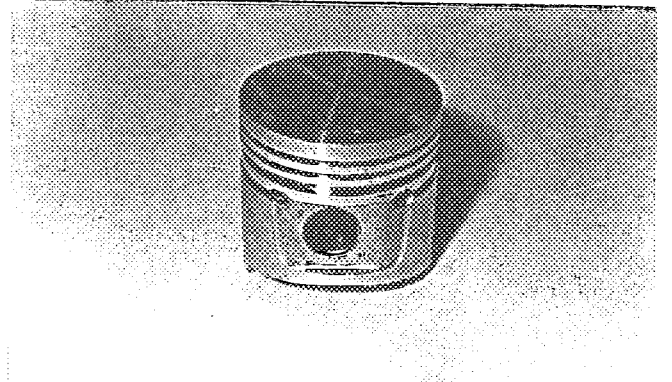
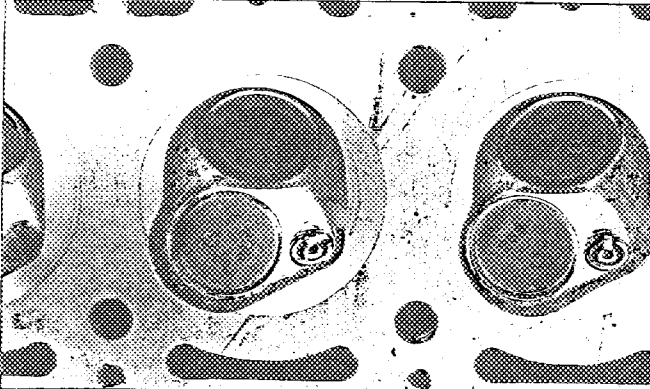
J. engine unit out of car, from right. With clutch and accessories but without air filter nor gear-box.

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



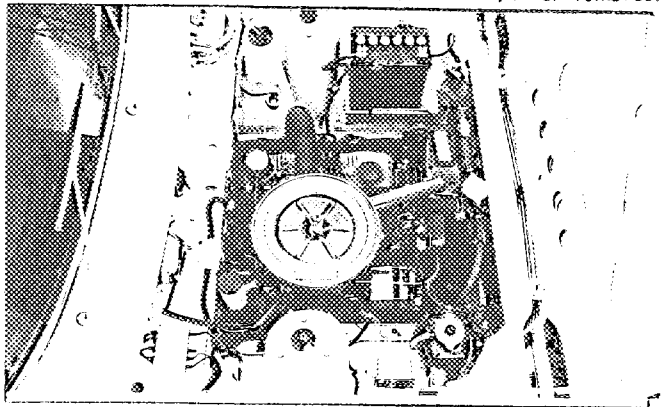
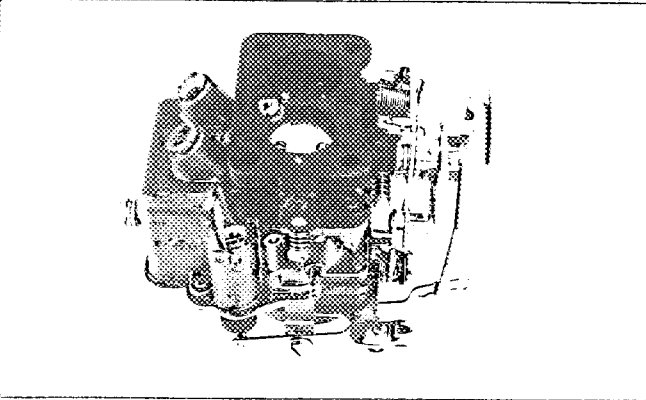
L, combustion chamber

M, piston crown



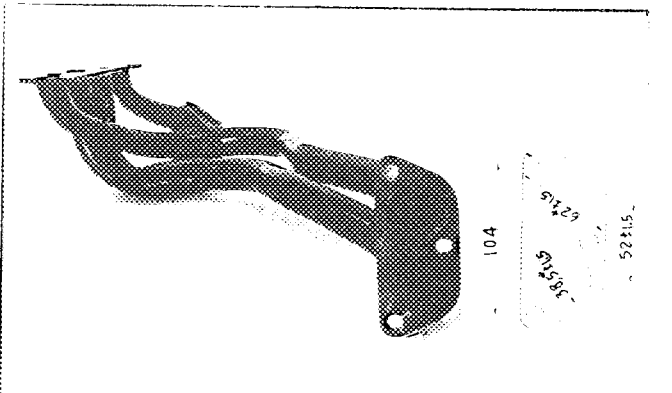
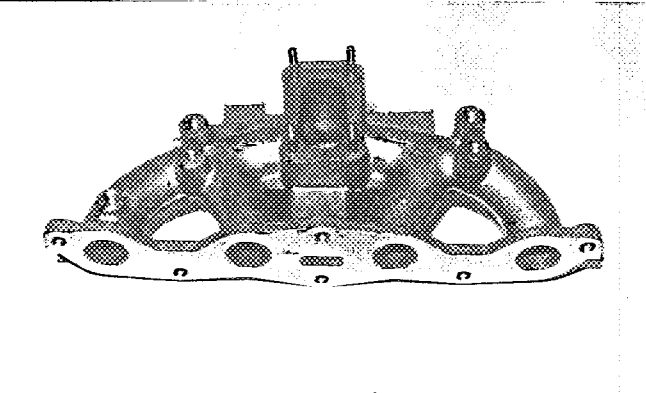
N, Carburettor (view from side of manifold)

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



P, inlet manifold

Q, exhaust manifold





JAPAN AUTOMOBILE FEDERATION F. I. A. Homol. No

1540/1/1V

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

Amendment to Form of Recognition in accordance with the International Sporting Code.

Make TOYO KOGYO Model STA (MAZDA 1200 SEDAN)
Modification's application starts with serial No. chassis STA-10001 engine TB-10001
Application of this amendment started the Commercial denomination after application of modifications MAZDA 1200 SEDAN
The modifications are to be considered as: Variant / normal production type
Date amendment is valid from 1st Jan 69 list 1969/1

Description of amendment

Capacities and Dimensions

7. Capacity of fuel tank (reserve included)

60 ltrs 15.9 gallon US
80 ltrs 21.1 gallon US

Stamp and signature of National Sporting Authority

JAPAN AUTOMOBILE FEDERATION

Handwritten signature of Yasuharu Nanba

Yasuharu Nanba

Stamp and signature of F. I. A.

Handwritten signature of F. I. A.