



JAPAN AUTOMOBILE FEDERATION

F. I. A. Recognition No. 5347
Group 1

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

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

Manufacturer Mitsubishi Heavy Industries, Ltd.

chassis A52-0000001

Serial No. of engine 4G31-00001

Recognition is valid from 1/4/70

The manufacturing of the model described in this recognition form was started on Oct. 1969 and the minimum production of 5000 identical cars, in accordance with the specifications of this form was reached on Feb. 1970

Cylinder-capacity 1499 cm3 91.48 cu. in.

Model Mitsubishi A52GS(Colt Calant)

Manufacturer Mitsubishi

Manufacturer Mitsubishi

List 70, 9

Photograph A, 3/4 view of car from front



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

Verifinity	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 National Sporting Authority

Stamp and signature of the F. I. A.

Make **Mitsubishi**

Model **A52GS**

F.I.A. Reg. No.

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

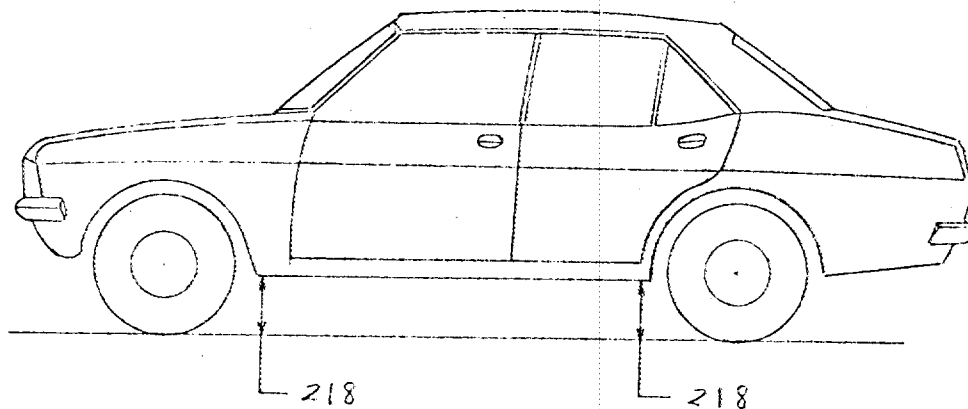
CAPACITIES AND DIMENSIONS

1. <u>Wheelbase</u>	2420	mm	95.3	inches
2. <u>Front track</u>	1295	mm	51	inches *
3. <u>Rear track</u>	1285	mm	50.6	inches *
4. Overall length of the car	408	cm		inches
5. Overall width of the car	156	cm		inches
6. Overall height of the car	138.5	cm		inches
7. <u>Capacity of fuel tank (reserve included)</u>			45	ltrs
	11.9	Gallon US	9.9	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	810	kg	1787	lbs
			15.95	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

Make Mitsubishi

Model A52GS

F.I.A. Rec. No.

CHASSIS AND COACHWORK (Photographs A, B and C)

20. Chassis/body construction : ~~XXXXXX~~ / unitary construction
21. Unitary construction, material (s) Steel
Separate construction
22. Separate Constructions: Material(s) of chassis
23. Material (s) of coachwork
24. Number of doors 4 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 Glass
31. Sliding system of door windows Vertical, manual
32. Material (s) of rear-quarter light Glass

ACCESSORIES AND UPHOLSTERY

38. Interior heating : ~~XXX~~ - no
39. Air-conditioning : ~~XXX~~ - no
40. Ventilation : yes - ~~XXX~~
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 x 2 kg lbs
43. Rear seats, type of seats and upholstery Bench, vinyl
44. Front bumper, material (s) Steel Weight 4.7 kg lbs
45. Rear bumper, material (s) Steel Weight 4.1 kg lbs

WHEELS

50. Type Pressed steel
51. Weight (per wheel, without tyre) 5 kg lbs
52. Method of attachment 4 nuts
53. Rim diameter 330 mm 13 inches
54. Rim width 101 mm 4 inches
mm inches

STEERING

60. Type Recirculating ball
61. Servo-assistance : ~~XXXX~~ - no
62. Number of turns of steering wheel from lock to lock 3.5
63. In case of servo-assistance



Make Mitsubishi

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F. I. A. Rec. No.

SUSPENSION

- 70. Front suspension (photogr. D), type Independent, 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
- 79. Type of spring Leaf
- 80. Stabiliser (if fitted)
- 81. Number of shockabsorbers 2
- 82. Type Hydraulic telescopic

BRAKES (photographs F and G)

- 90. System Hydraulic
- 91. Servo-assistance (if fitted), type
- 92. Number of hydraulic master cylinders 2

	FRONT		REAR	
	2		1	
93. Number of cylinders per wheel				
94. Bore of wheel cylinder (s)	48.1	mm in.	20.6	mm in.
Drum brakes				
95. Inside diameter		mm in.	203	mm in.
96. Length of brake linings		mm in.	220	mm in.
97. Width of brake linings		mm in.	35	mm in.
98. Number of shoes per brake				
99. Total area per brake		mm ² sq. in.	15400	mm ² sq. in.
Disc brakes				
100. Outside diameter	239	mm in.		mm in.
101. Thickness of disc	10	mm in.		mm in.
102. Length of brake linings	46	mm in.		mm in.
103. Width of brake linings	61	mm in.		mm in.
104. Number of pads per brake	2			
105. Total area per brake	5600	mm ² sq. in.		mm ² 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 74.5 mm 2.93 in. 134. Stroke 86 mm 3.39 in.
- 135. Capacity per cylinder 375 cm³ 22.89 cu. in.
- 136. Total cylinder-capacity 1499 cm³ 91.48 cu. in.
- 137. Material (s) of cylinder block Cast iron
- 138. Material (s) of sleeves (if fitted)
- 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 10.0
- 143. Volume of one combustion chamber 41.7 cm³ 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 34.2 mm inches
- 147. Crankshaft : ~~xxxxxx~~ / stamped
- 148. Type of crankshaft : integral /xxxxxx
- 149. Number of crankshaft main bearings 5
- 150. Material of bearing cap Cast iron
- 151. System of lubrication : ~~xxxxxxx~~ / oil in sump
- 152. Capacity, lubricant 4 ltrs pts quarts US
- 153. Oil cooler : ~~yes~~ / no
- 154. Method of engine cooling Water
- 155. Capacity of cooling system 6.2 ltrs pints quarts US
- 156. Cooling fan (if fitted), dia. 32.5 cm inches
- 157. Number of blades of cooling fan 6

Bearings

- 158. Crankshaft main, type Plain Dia. 57 mm in.
- 159. Connecting rod big end, Plain Dia. 45 mm in.

Weights

- 160. Flywheel (clean) 7.5 kg lbs
- 161. Flywheel with clutch (all turning parts) 12.3 kg lbs
- 162. Crankshaft 12.8 kg lbs
- 163. Connecting rod 0.63 kg lbs
- 164. Piston with rings and pin 0.39 kg lbs



Make Mitsubishi

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F.I.A. Rec. No.

FOUR STROKE ENGINES

170. Number of camshafts 1 171. Location Cylinder head
 172. Type of camshaft drive Chain
 173. Type of valve operation Rocker arm

INLET (see page 8) *

180. Material(s) of inlet manifold Al- alloy
 181. Diameter of valves 38 mm 1.50 inches
 182. Max. valve lift 9.5 mm 0.374 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) 0.07 mm inches
 187. Valves open at (with tolerance for tappet clearance indicated) B. T. D. C $32^{\circ} \pm 7^{\circ}$
 188. Valves close at (with tolerance for tappet clearance indicated) A. B. D. C $60^{\circ} \pm 7^{\circ}$
 189. Air filter type Dry

EXHAUST (see page 8)

195. Material (s) of exhaust manifold Cast iron
 196. Diameter of valves 31 mm 1.22 inches
 197. Max. valve lift 9.5 mm 0.374 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) 0.17 mm inches
 202. Valves open at (with tolerance for tappet clearance indicated) B. B. D. C $63^{\circ} \pm 7^{\circ}$
 203. Valves close at (with tolerance for tappet clearance indicated) A. T. D. C $29^{\circ} \pm 7^{\circ}$

CARBURETION (photograph N)

210. Number of carburetors fitted 2 211. Type Side draft
 212. Make Aisan 213. Model HF40B
 214. Number of mixture passages per carburetor 1
 215. Flange hole diameter of exit port(s) of carburetor 40 mm in.
 216. Minimum dimensions of mixture passage(s) with piston at max. height (example: SU)
 31 mm inches

INJECTION (if fitted)

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

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



Make Mitsubishi

Model A52GS

F.I.A. Rec. No.

ENGINE ACCESSORIES

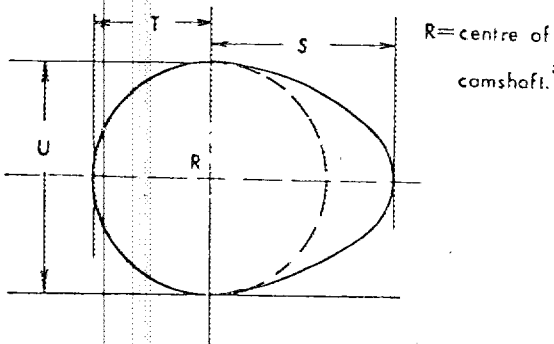
- 230. Fuel pump : mechanical ~~XXXXXX~~
- 232. Type of ignition system Make and break
- 234. No. of ignition coils 1
- 236. Generator, type: dynamo/alternator-number fitted 1
- 238. Voltage of generator 12 volts
- 240. Location: Engine room
- 241. Voltage of battery 12 volts

- 231. No. fitted 1
- 233. No. of distributors 1
- 235. No. of spark plugs per cylinder 1
- 237. Method of drive V-belt
- 239. Battery, number 1

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

- 250. Max. engine output 105 ps (type of horsepower: JIS) at 6700 rpm
- 251. Maximum rpm 7000 output at that figure 93 ps
- 252. Maximum torque 13.4 kg-m at 4800 rpm
- 253. Maximum speed of the car 175 km/hour miles / hour

255.



Inlet cam

S =	21.0	mm	0.827	inches
T =	15.5	mm	0.610	inches
U =	31.0	mm	1.220	inches

Exhaust cam

S =	21.1	mm	0.831	inches
T =	15.5	mm	0.610	inches
U =	31.1	mm	1.224	inches

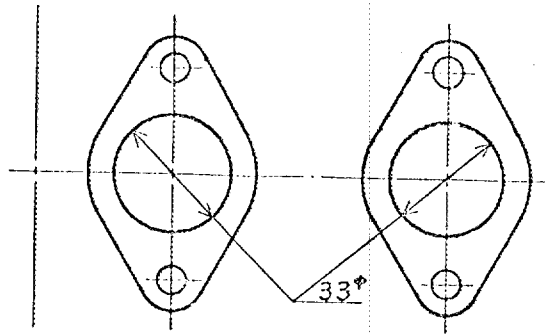


Make Mitsubishi

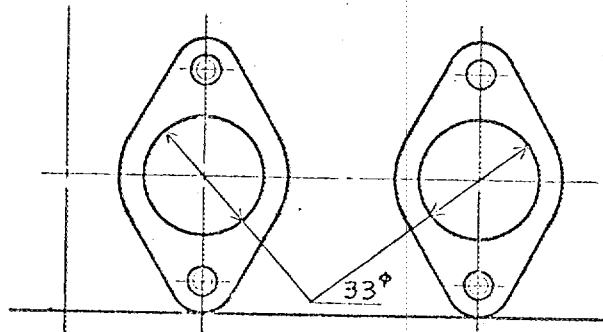
Model A52GS

E. I. A. Rec No.

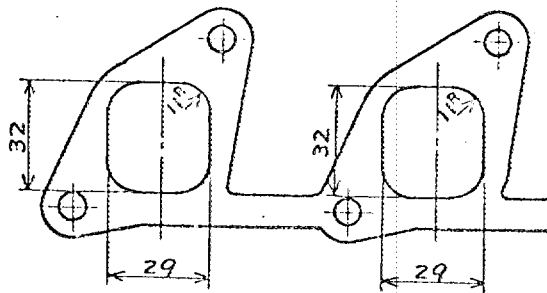
Drawing inlet manifold ports, side of cylinder-head. Indicate scale or dimensions and manufacturing tolerance.



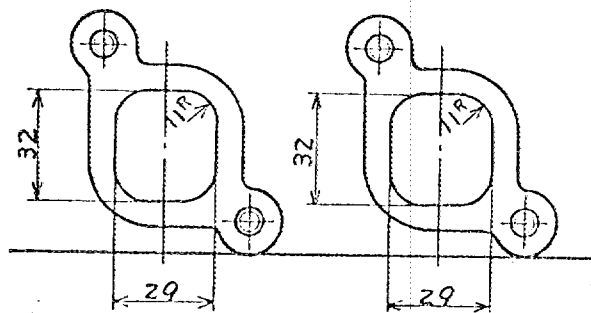
Drawing of entrance to inlet port of cylinder-head. Indicate scale or dimensions and manufacturing tolerance.



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



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



Unit; mm
Tolerance; ± 1.5



Make Mitsubishi

Model A52GS

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DRIVE TRAIN

CLUTCH

260. Type of clutch Dry single plate

261. No. of plates 1

262. Dia. of clutch plates 20.2 cm inches

263. Dia. of linings, inside 14.0 cm in. outside 20.0 cm in.

264. Method of operating clutch Mechanical

GEAR BOX (photograph H)

270. Manual type, make Mitsubishi

Method of operation Mechanical

271. No. of gear-box ratios forward 4

272. Synchronized forward ratios 1, 2, 3, 4

273. Location of gear-shift Floor

274. Automatic, make type

275. No. of forward ratios 276. location of gear-shift

277.	Manual		Automatic		Alternative manual/ automatic	
	Ratio	No. teeth	Ratio	No. teeth	Ratio	No. teeth
1	3.525	$\frac{29}{17} \times \frac{31}{15}$			3.305	$\frac{29}{17} \times \frac{31}{16}$
2	2.193	$\frac{29}{17} \times \frac{27}{21}$			2.016	$\frac{29}{17} \times \frac{26}{22}$
3	1.442	$\frac{29}{17} \times \frac{22}{26}$			1.327	$\frac{29}{17} \times \frac{21}{27}$
4	1.000				1.000	
5						
6						
reverse	3.867	$\frac{29}{17} \times \frac{15}{15} \times \frac{34}{15}$			3.383	$\frac{29}{17} \times \frac{14}{16} \times \frac{34}{15}$

278. Overdrive, type

279. Forward gears on which overdrive can be selected

280. Overdrive ratio

FINAL DRIVE

290. Type of final drive Hypoid

291. Type of differential Bevel

292. Type of limited slip differential (if fitted)

293. Final drive ratio 3.889, 4.625

Number of teeth 35/9, 37/8



Make Mitsubishi

Model A52GS

F.I.A. Rec. No.

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

During the scrutineering of cars entered in group 4 (Sportscars) only the following items of the present recognition form are to be taken into consideration : 1, 2, 3, 9, 20, 21, 22, 23, 24, 25, 26, 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.

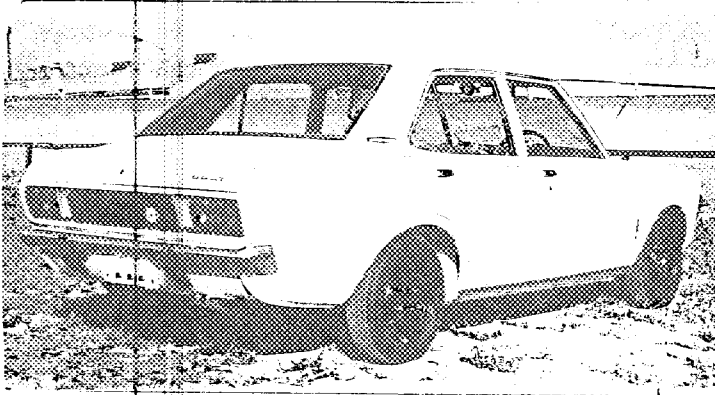
WHEELS **GR II**

- | | | | |
|-----|----------------------------------|---------------|-----------|
| 50. | Type | Pressed Steel | |
| 51. | Weight (per wheel, without tyre) | 7 kg | |
| 52. | Method of attachment | 4 nuts | |
| 53. | <u>Rim diameter</u> | 330 mm | 13 inches |
| 54. | <u>Rim width</u> | 127 mm | 5 inches |

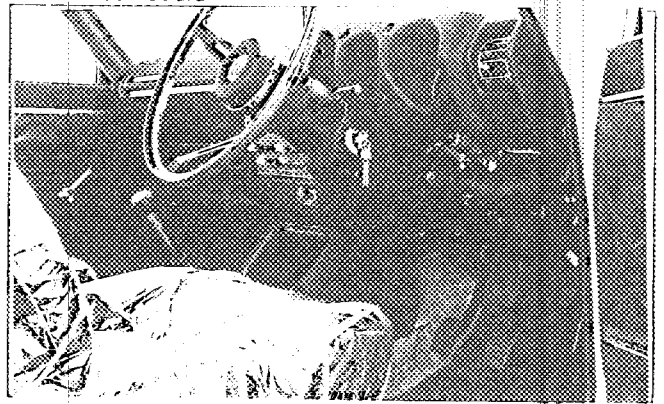


Photograph

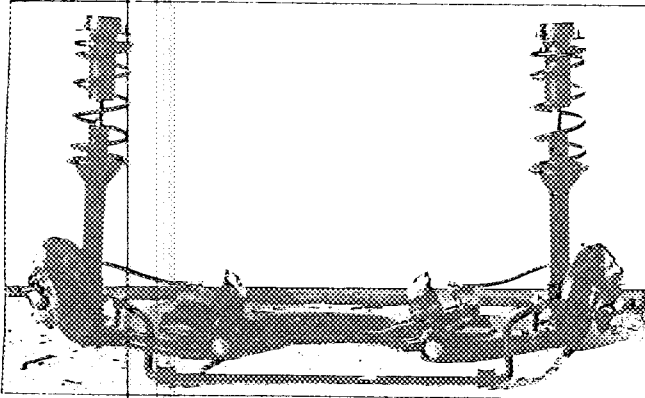
B, 3/4 view of car from rear



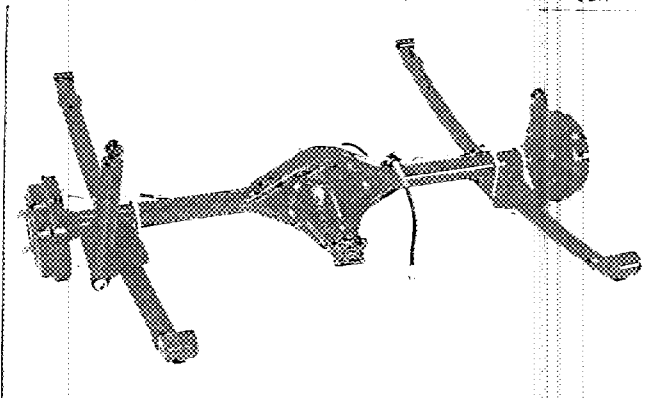
C, interior view of car through driver's door (open or removed) with dashboard



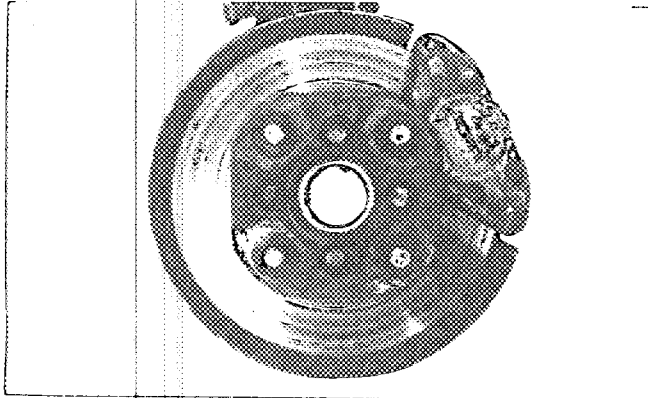
D, front axle complete, removed from car. Without wheels.



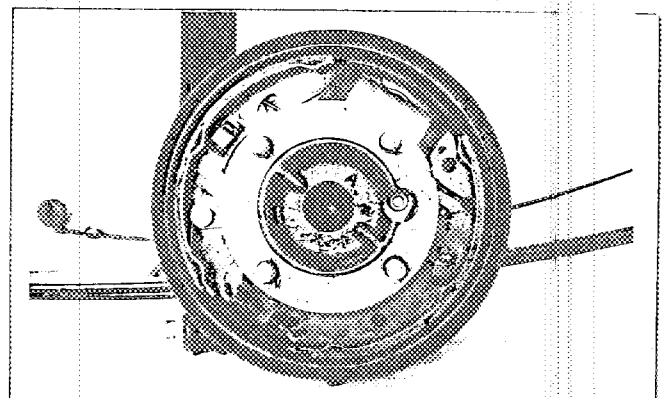
E, Rear axle complete without wheels, removed from car.



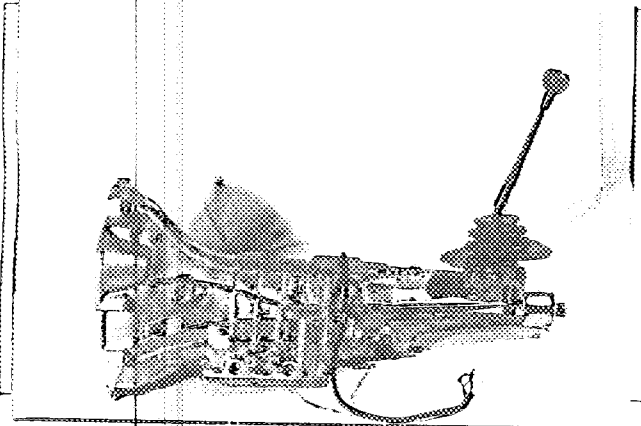
F, front brake, drum removed or disc with calipers!



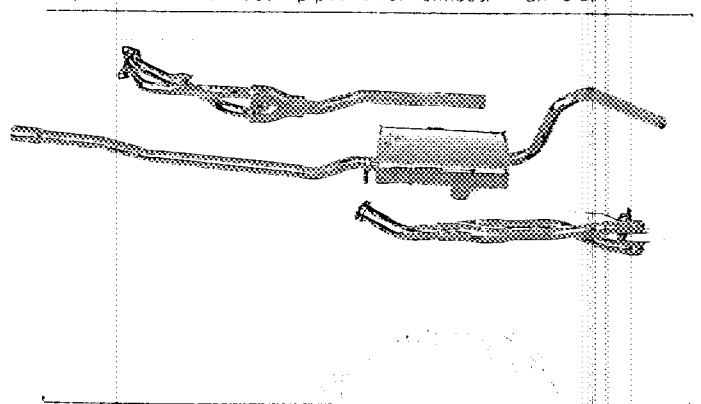
G, rear brake, drum removed or disc with calipers!



H, gear-box, view from side



I, silencer + exhaust pipes after exhaust manifold.



Make Mitsubishi

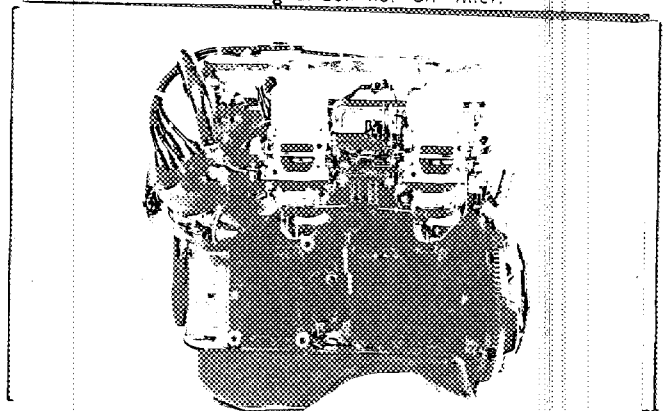
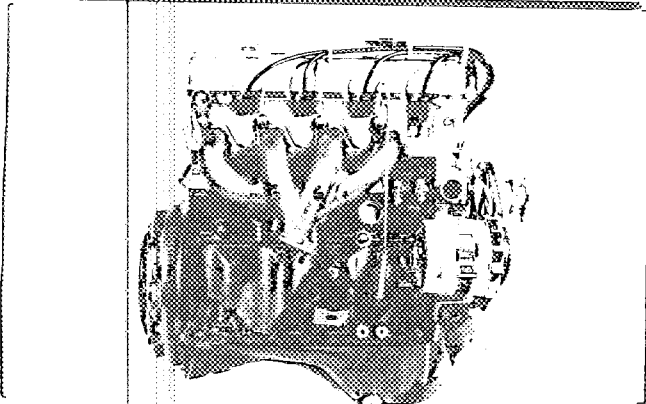
Model A52GS

F. I. A. Rec. No

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

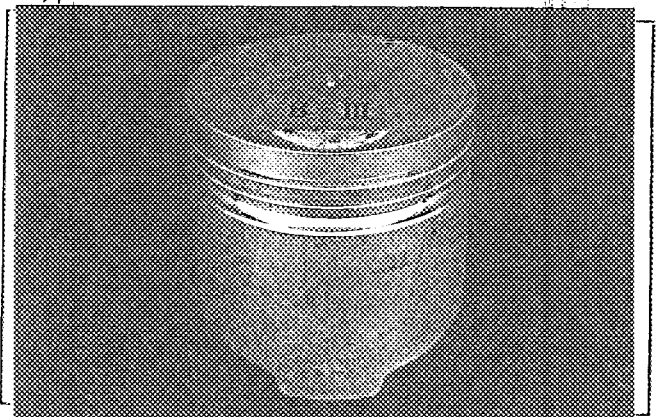
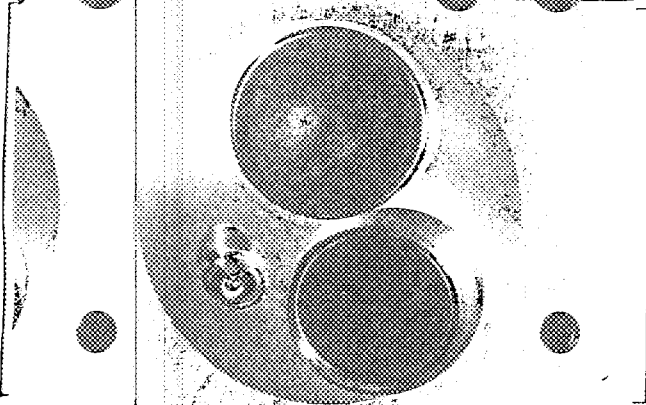
Photograph

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



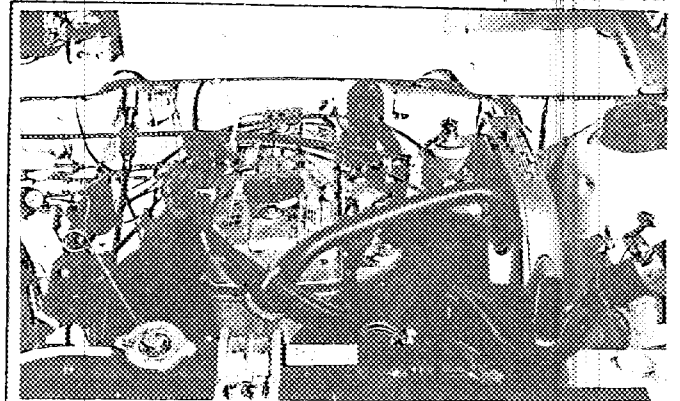
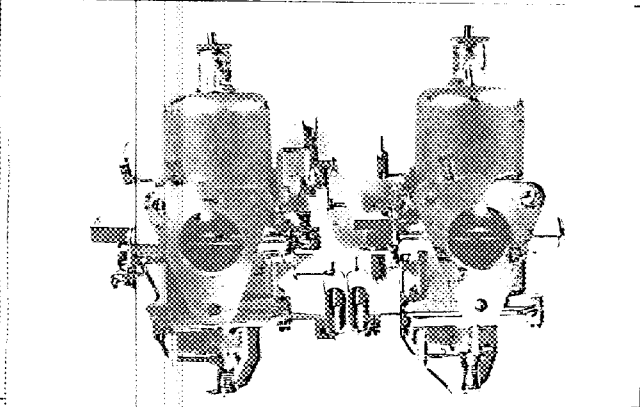
L, combustion chamber

M, piston crown



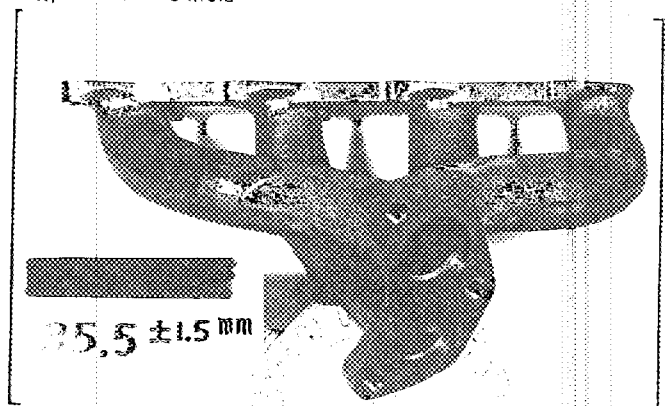
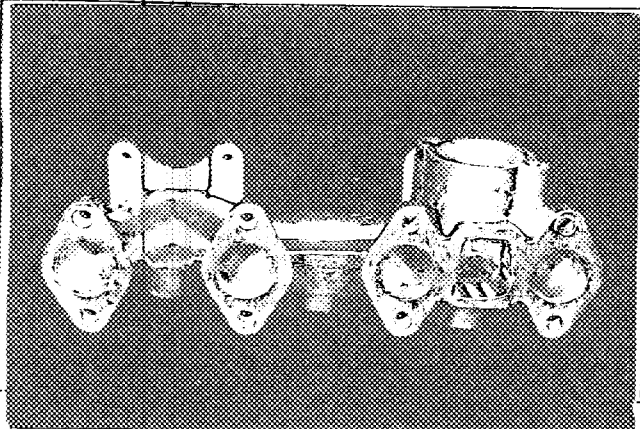
N, Carburettor (view from side of manifold)

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



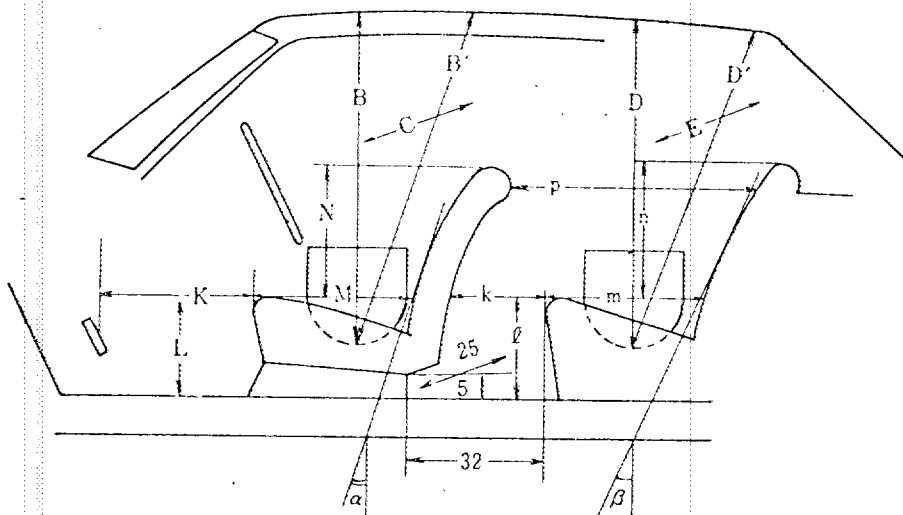
P, inlet manifold

Q, exhaust manifold



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

For four seaters :



Minimum Dimensions (cm)							
B	B'	α	C	D	D'	β	E
94.5	102	15°	128	93.5	95	28°	128

Minimum Dimensions (cm)										
L	ℓ	M	m	N	n	k+m	p	k	k+l+m	K+L+N
29	32.5	46	47	45	43	64	64	17	96.5	124
0.9L = 26.1		0.85M = 39.1		0.8N = 36		0.8(k+m) = 51.2		(15)	(95)	(120)



Make Mitsubishi

Model A52GS

F. I. A. Rec. No.

TWO STROKE ENGINES

- 300. System of cylinder scavenging
- 301. Type of lubrication
- 302. Inlet ports, length measured around cylinder wall mm inches
- 303. Height inlet port mm in. 304. Area mm² sq. in.
- 305. Exhaust ports, length measured around cylinder wall mm inches
- 306. Height exhaust port mm in. 307. Area mm² sq. in.
- 308. Transfer port, length measured around cylinder wall mm inches
- 309. Height transfer port mm in. 310. Area mm² sq. in.
- 311. Piston ports, length measured around piston mm inches
- 312. Height piston port mm in. 313. Area mm² sq. in.
- 314. Method of precompression
- 315. Precompression cyl. : yes /no
- 316. Bore mm inches
- 317. Stroke mm inches
- 318. Distance from top of cyl. block to highest point of exhaust port : mm inches
- 319. Distance from top of cyl. block to lowest point of inlet port : mm inches
- 320. Distance from top of cyl. block to highest point of transfer port : mm inches
- 321. Drawing of cylinder ports.

330. Supercharging—state full details hereafter :

JAPAN AUTOMOBILE FEDERATION

渡山博史

Hiroshi Niwayama





JAPAN AUTOMOBILE FEDERATION

社団法人 日本自動車連盟

J.A.F. 公認番号 T-138 V-1
発効年月日 71.6月末日

F.I.A. Homol. No 5347/1/1V-Gr2

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 Mitsubishi Motors Corp. Model A52 GS (Colt Galant AII GS)
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 A52-0000001
適用エンジン番号 4G31-00001

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

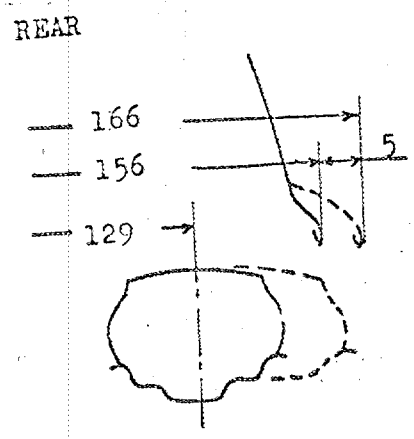
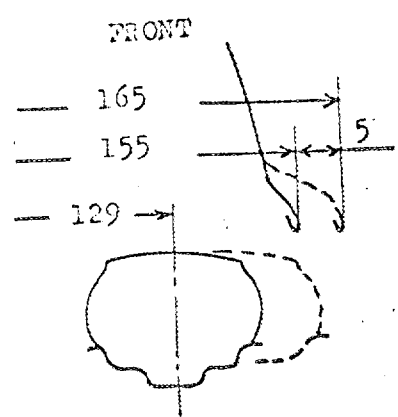
Commercial denomination after application of modifications

The modifications are to be considered as: Variant / 変更 / 改造

Date amendment is valid from 1/7/71 list 71/7

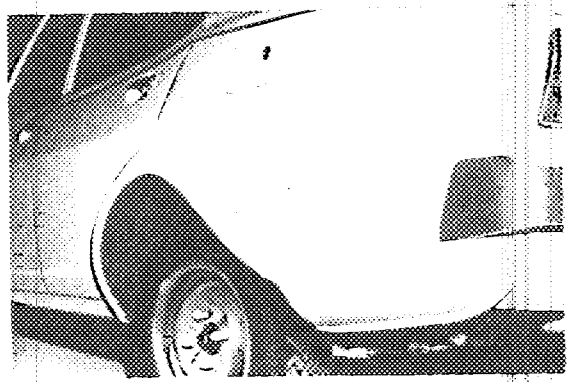
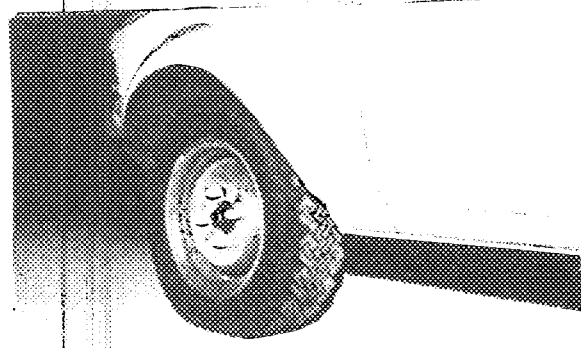
Description of amendment 内容

Optional equipments (NOT VALID FOR GROUP 1 ONLY)
Wing extensions



Parts No.
F. 0526321
R. 0526321RA

Unit: cm



Stamp and signature of the JAF

JAF公認印及び署名

Yasuharu Nanba

Stamp and signature of the F.I.A.

Signature of the F.I.A. official