



JAPAN AUTOMOBILE FEDERATION

F. I. A. Recognition No

5345

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. Cylinder-capacity 1289 cm³ 78.66 cu. in.
 Model: Mitsubishi A51 (Colt Galant)
 Serial No. of chassis: A51-0000001 Manufacturer: Mitsubishi
 engine: 4G30-00001 Manufacturer: Mitsubishi
 Recognition is valid from: 1/4/70 List: 70/4
 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 Dec. 1969

Photograph A, 3/4 view of car from front

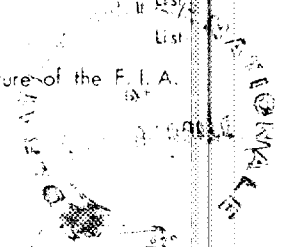


The vehicle described in this form has been subject to the following amendments :

Variants				Normal evolution of the type			
on	19	rec. No.	List	on	19	rec. No.	List
on	19	rec. No.	List	on	19	rec. No.	List
on	19	rec. No.	List	on	19	rec. No.	List
on	19	rec. No.	List	on	19	rec. No.	List
on	19	rec. No.	List	on	19	rec. No.	List

Stamp and signature of the National Sporting Authority

Stamp and signature of the F. I. A.



Make Mitsubishi

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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.

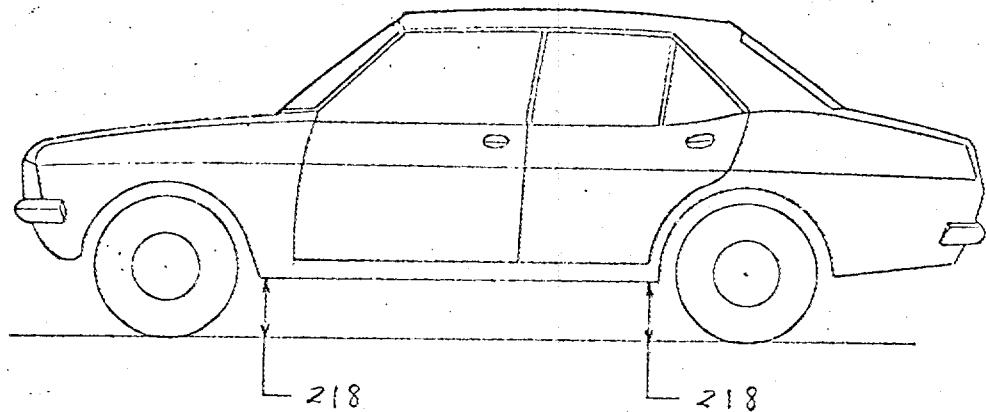
CAPACITIES AND DIMENSIONS

1. <u>Wheelbase</u>	2420	mm	95.3	inches
2. <u>Front track</u>	1285	mm	50.6	inches *
3. <u>Rear track</u>	1285	mm	50.6	inches *
4. Overall length of the car		406	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</u> (reserve included)				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:				
	795	kg	1755	lbs
				15.65 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.

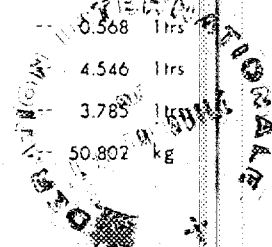
Specify ground clearance in relation to the track and give drawing of two fixed points of the vehicle's structure at which measurements are taken.

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 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)

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 : ~~XXXX~~ - no
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 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

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



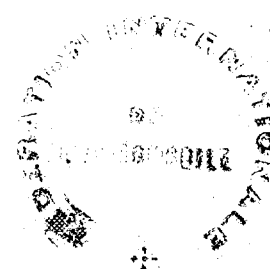
SUSPENSION

- 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	
93. Number of cylinders per wheel	2		1	
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)

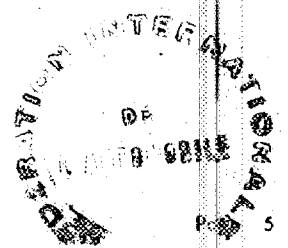
- 130. Cycle 4
- 131. Number of cylinders 4
- 132. Cylinder arrangement In line
- 133. Bore 73 mm 2.87 in. 134. Stroke 77 mm 3.03 in.
- 135. Capacity per cylinder 322 cm³ 19.65 cu. in.
- 136. Total cylinder-capacity 1289 cm³ 78.66 cu. in.
- 137. Material (s) of cylinder block Cast iron
- 138. Material (s) of sleeves (if fitted)
- 139. Cylinder-head, material (s) Al-alloy Number fitted
- 140. Number of inlet ports 4 141. Number of exhaust ports 4
- 142. Compression ratio 9.0
- 143. Volume of one combustion chamber 40.3 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 33.8 mm inches
- 147. Crankshaft : ~~cast iron~~ / 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 : ~~dry sump~~ / oil in sump
- 152. Capacity, lubricant 4 ltrs pts quarts US
- 153. Oil cooler : ~~xxxx~~ / no 154. Method of engine cooling Water
- 155. Capacity of cooling system 6 ltrs pints quarts US
- 156. Cooling fan (if fitted), dia. 32 cm inches
- 157. Number of blades of cooling fan 4

Bearings

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

Weights

- 160. Flywheel (clean) 6.2 kg lbs
- 161. Flywheel with clutch (all turning parts) 10 kg lbs
- 162. Crankshaft 11.6 kg lbs 163. Connecting rod 0.61 kg lbs
- 164. Piston with rings and pin 0.36 kg lbs



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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 8.5 mm 0.346 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. $18^{\circ} \pm 7^{\circ}$
 188. Valves close at (with tolerance for tappet clearance indicated) A. B. D. C. $50^{\circ} \pm 7^{\circ}$
 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 8.8 mm 0.346 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. $48^{\circ} \pm 7^{\circ}$
 203. Valves close at (with tolerance for tappet clearance indicated) A. T. D. C. $20^{\circ} \pm 7^{\circ}$

CARBURETION (photograph N)

210. Number of carburetors fitted 1 211. Type Down draft
 212. Make MIKUNI 213. Model 28-30DIDSA
 214. Number of mixture passages per carburetor 2 { P 28
 215. Flange hole diameter of exit port(s) of carburetor { S 30 mm in.
 216. Minimum dimensions of mixture passage(s) ~~with dimension at maximum height~~ mm inches
 P 20
 S 25
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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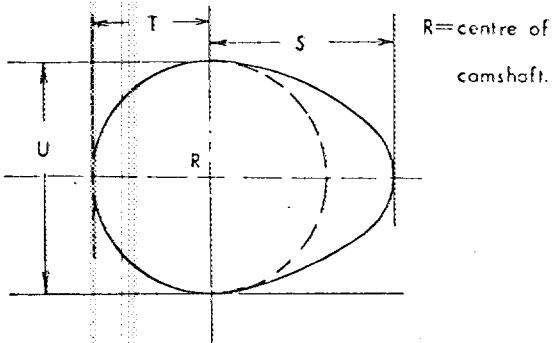
ENGINE ACCESSORIES

- | | | |
|--|--------------------------------------|--------|
| 230. Fuel pump : mechanical XXXXXXXXXXXX | 231. No. fitted | 1 |
| 232. Type of ignition system Make and break | 233. No. of distributors | 1 |
| 234. No. of ignition coils 1 | 235. No. of spark plugs per cylinder | 1 |
| 236. Generator, type dyno /alternator-number fitted 1 | 237. Method of drive | V-belt |
| 238. Voltage of generator 12 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 87 PS (type of horsepower: JIS) at 6300 rpm |
| 251. Maximum rpm 6700 output at that figure 85PS |
| 252. Maximum torque 11.0 kg.m at 4000 rpm |
| 253. Maximum speed of the car 150 km/hour miles / hour |

255.

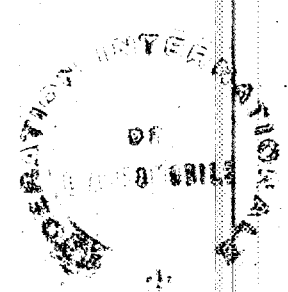


Inlet cam

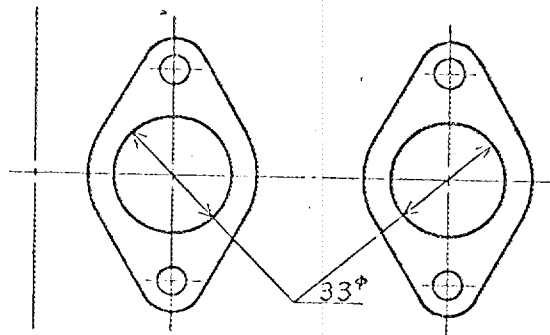
S =	20.7	mm	0.815	inches
T =	15.5	mm	0.610	inches
U =	31.0	mm	1.220	inches

Exhaust cam

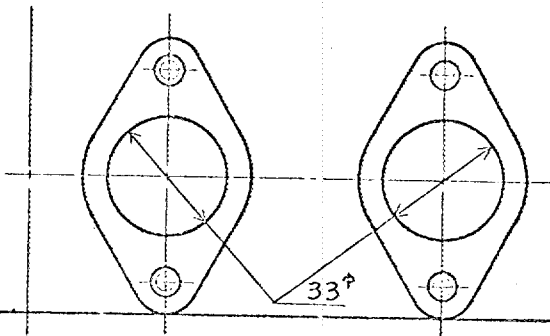
S =	20.7	mm	0.815	inches
T =	15.5	mm	0.610	inches
U =	31.0	mm	1.220	inches



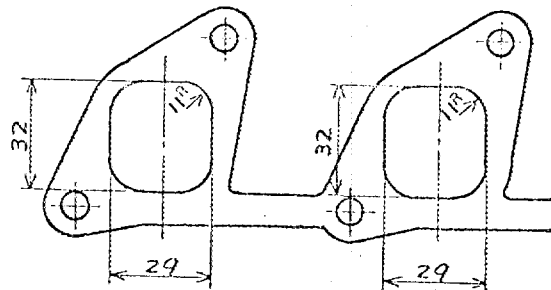
Drawing inlet manifold ports, side of cylinder-head. Indicate scale or dimensions and manufacturing tolerance.



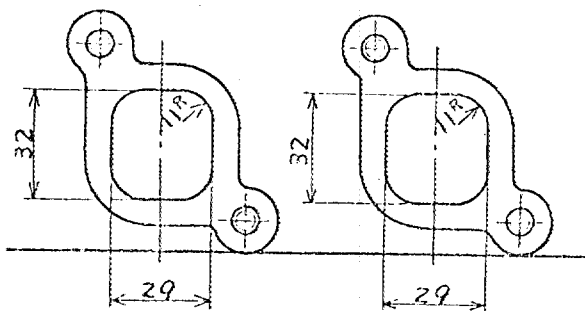
Drawing of entrance to inlet port of cylinder-head. Indicate scale or dimensions and manufacturing tolerance.



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

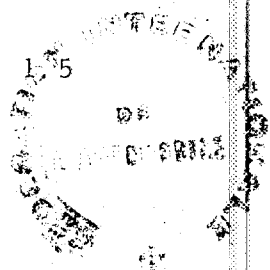


Drawing of exit to exhaust port of cylinder-head. Indicate scale or dimensions and manufacturing tolerance.



Unit ; mm

Tolerance ; \pm



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DRIVE TRAIN

CLUTCH

260. Type of clutch Dry single plate

261. No. of plates 1

262. Dia. of clutch plates 18.7 cm inches

263. Dia. of linings inside 12.7 cm in. outside 18.4 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	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

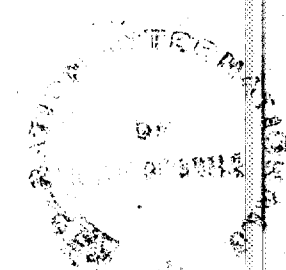
290. Type of final drive Hypoid

291. Type of differential Bevel

292. Type of limited slip differential (if fitted)

293. Final drive ratio 4.222 , 4.625

Number of teeth 38/9 37/8



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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, 76, 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. Rim diameter 330 mm 13 inches
- 54. Rim width 127 mm 5 inches



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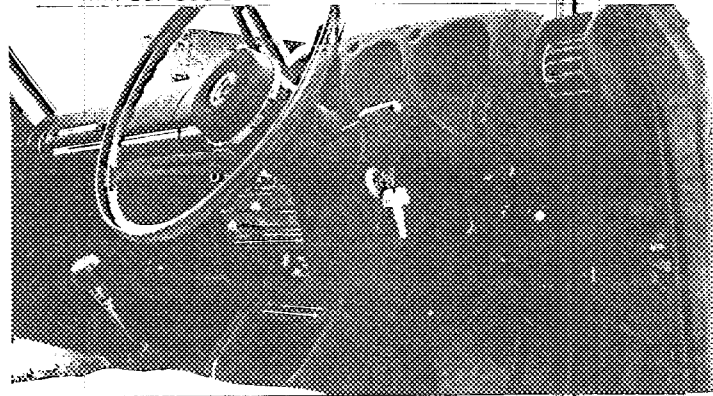
F.I.A. Rec. No.

Photograph

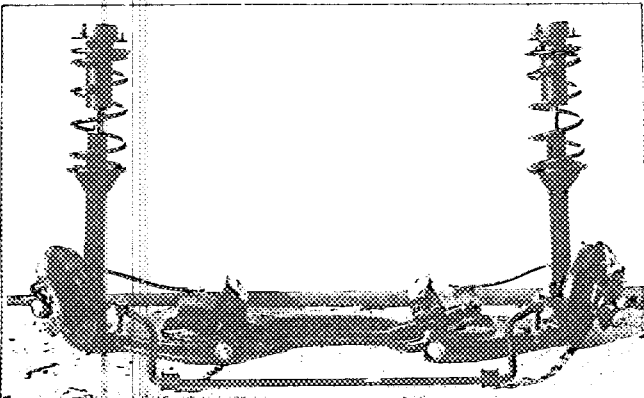
B, 3/4 view of car from rear



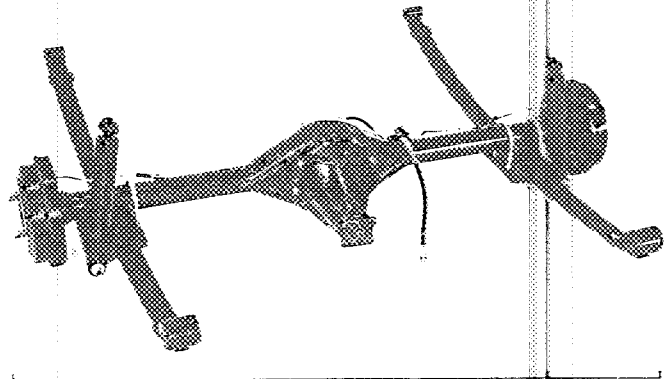
C, interior view of car through driver's door (open or removed) with dashboard



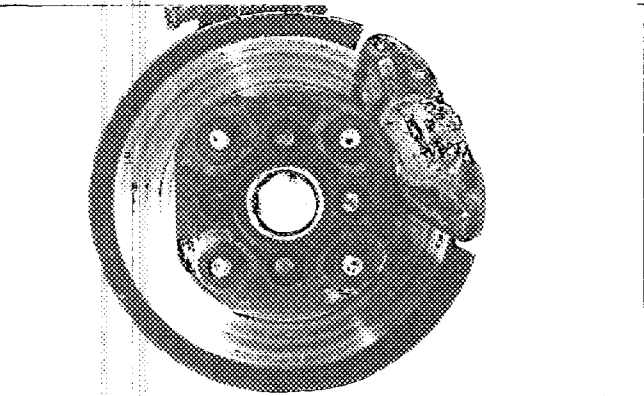
D, front axle complete, removed from car. Without wheels.



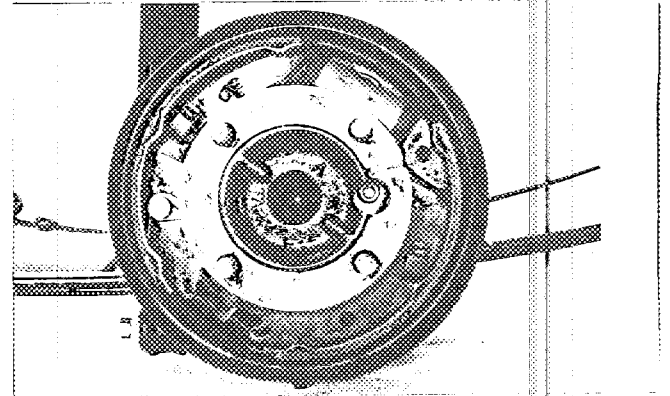
E, Rear axle complete without wheels, removed from car.



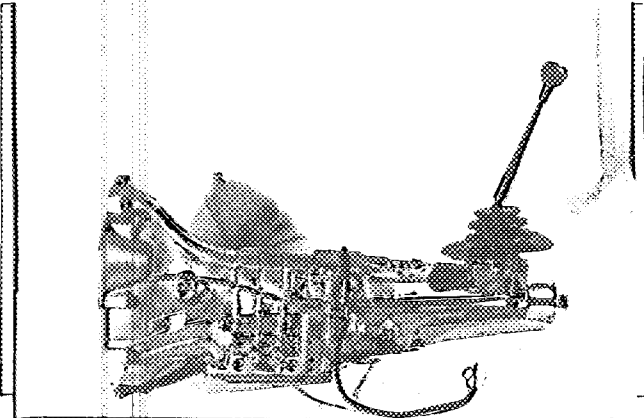
F, front brake, drum removed or disc with calipers!



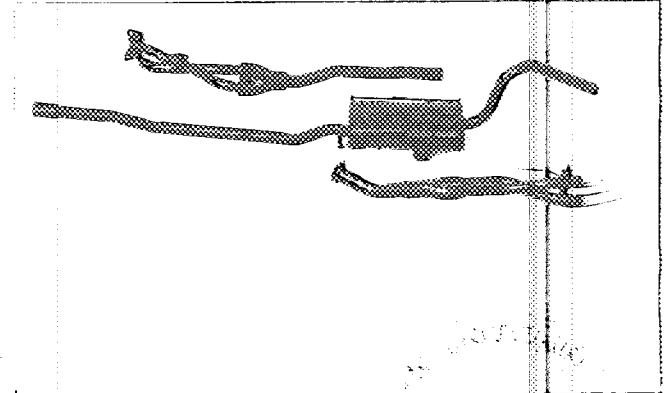
G, rear brake, drum removed or disc with calipers!



H, gear-box, view from side



I, silencer + exhaust pipes after exhaust manifold



Make Mitsubishi

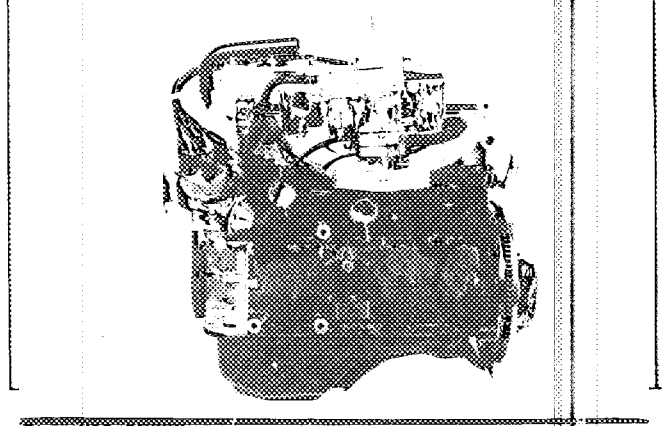
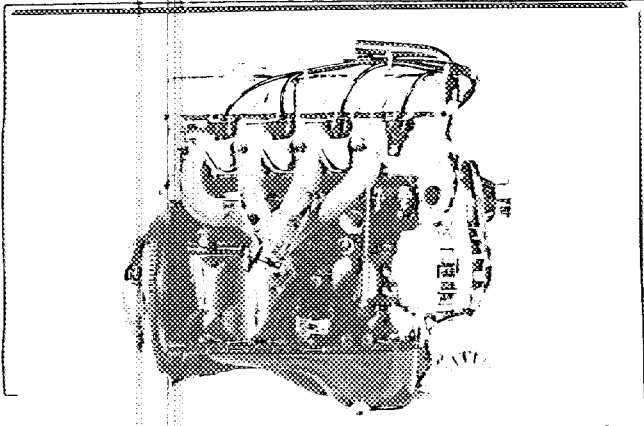
Model A51

F. I. A. Rec. No

Photograph

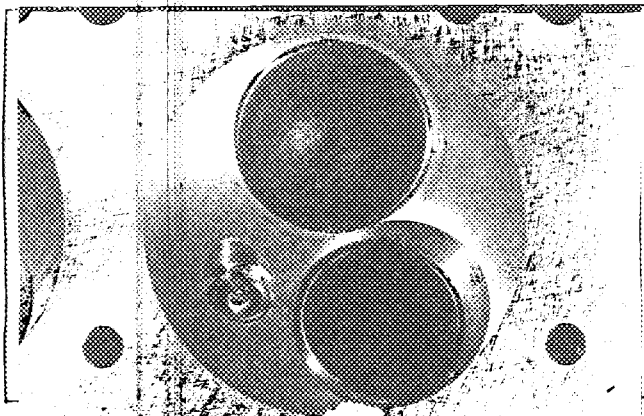
engine unit out of car, from right. With clutch and accessories but without air filter nor gear-box.

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



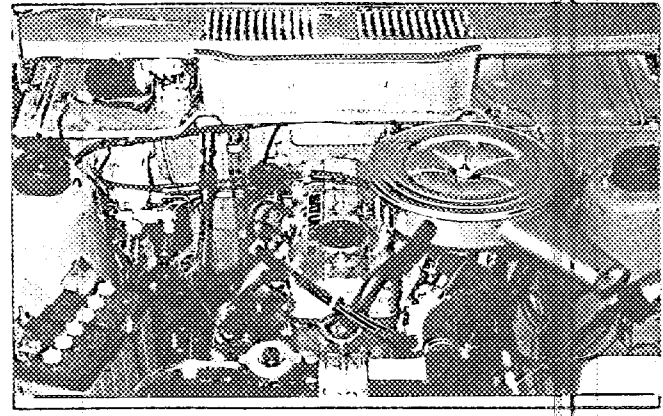
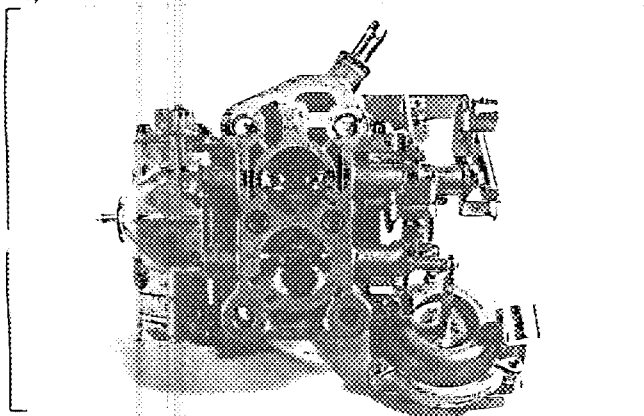
M, combustion chamber

N, piston crown



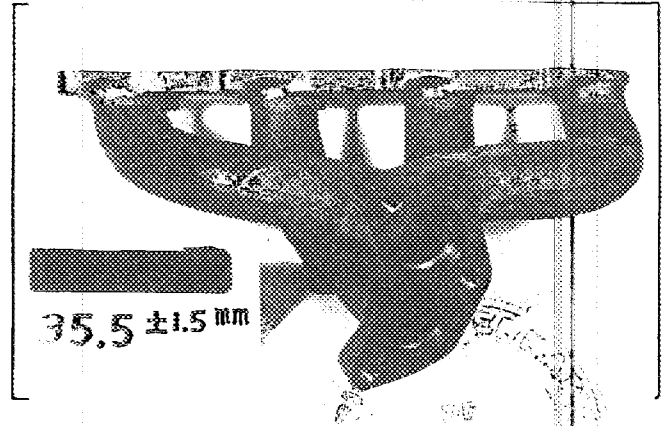
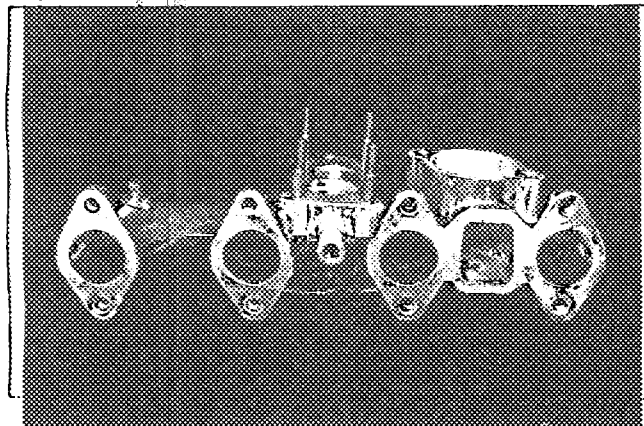
O, Carburettor (view from side of manifold)

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



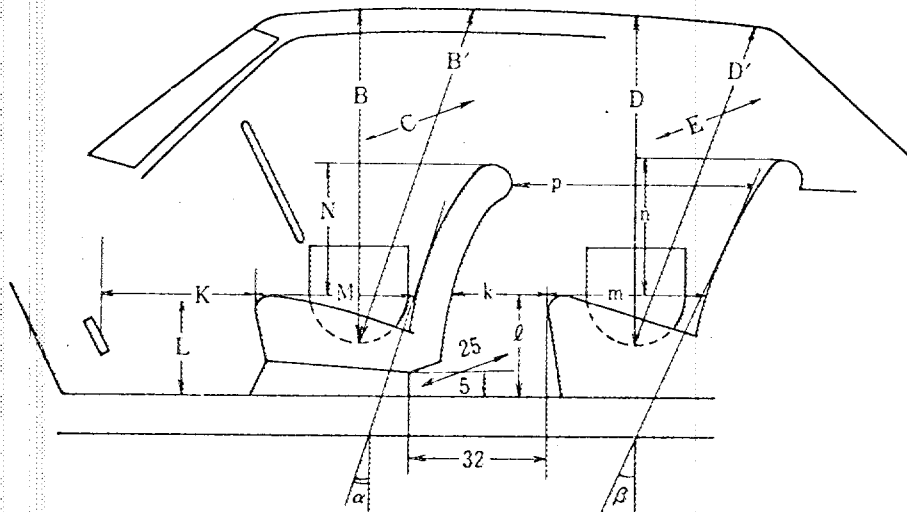
Q, inlet manifold

R, exhaust manifold



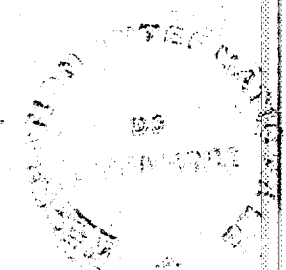
DIMENSIONS OF INTERIOR
(Conform to Art. 253 b of Appendix J)

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 A51

F. I. A. Rec. No.

TWO STROKE ENGINES

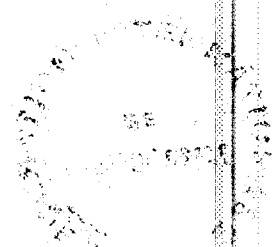
- 300. System of cylinder scavenging
- 301. Type of lubrication
- 302. Inlet ports, length measured around cylinder wall mm inches
- 303. Height inlet port mm in. 304. Area mm² sq. in.
- 305. Exhaust ports, length measured around cylinder wall mm inches
- 306. Height exhaust port mm in. 307. Area mm² 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

尼山博史

Hiroshi Niwayama





JAPAN AUTOMOBILE FEDERATION

社団法人 日本自動車連盟

J.A.F. 公認番号 T-136-V-1
発効年月日 71.6月10日

F.I.A. Homol. No. 5345 / 1 / 1V
Gr 2

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 A51 (Colt Galant AI)

Modification's application starts with serial No. chassis 飛行シャシー番号 A51-0000001
engine 適用エンジン番号 4G30-00001

Application of this amendment started the 1st April 1970

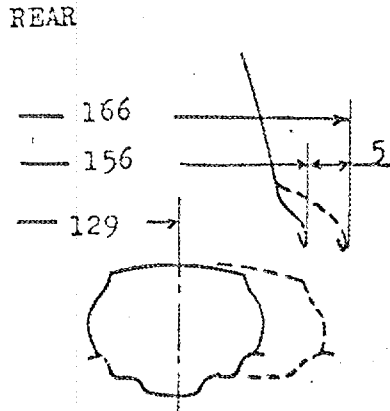
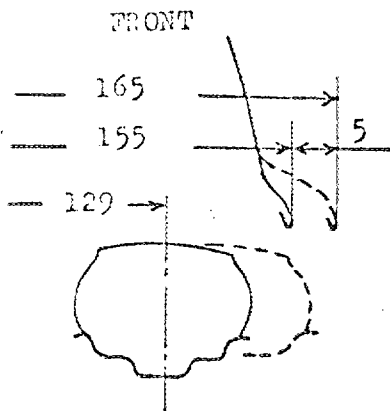
Commercial denomination after application of modifications

The modifications are to be considered as: Variant / normal evolution of the type

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

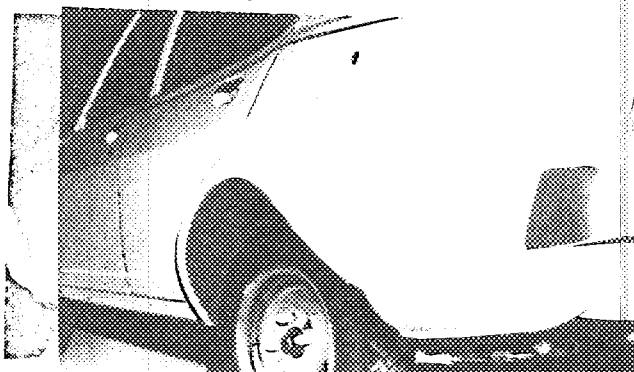
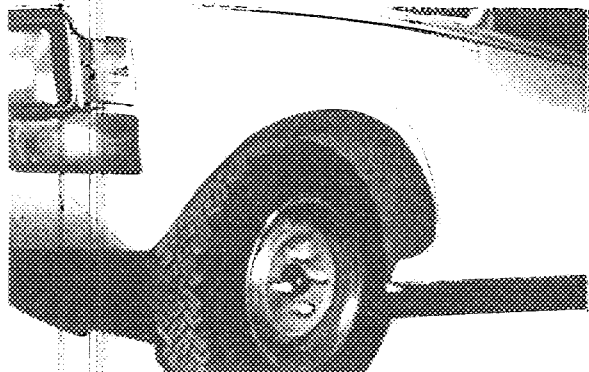
Description of amendment 内容

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



Parts No.
F. 0526321
R. 0526321RA

Unit: cm



Stamp and signature of the JAF

Stamp and signature of the F.I.A.

JAF 公認印及び署名

難波清治

Yasuharu Nanba