

Make Mitsubishi

Model A23

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.

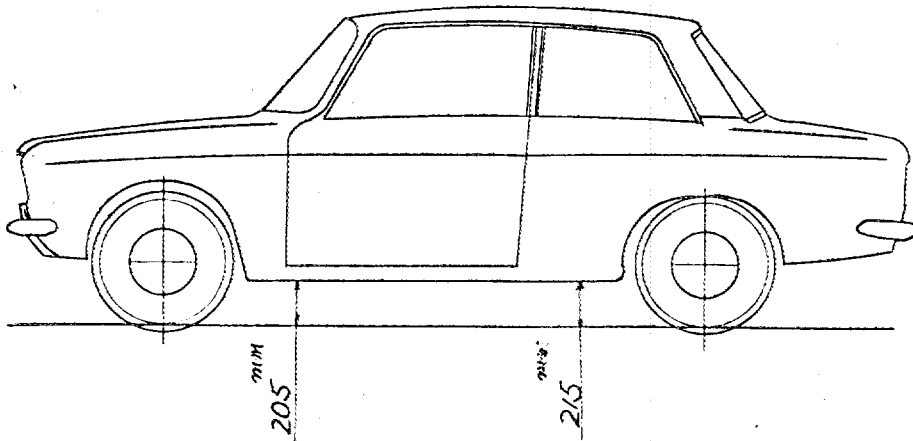
CAPACITIES AND DIMENSIONS

1. <u>Wheelbase</u>	2350	mm	92.51	inches
2. <u>Front track</u>	1250	mm	49.21	inches *
3. <u>Rear track</u>	1220	mm	48.03	inches *
4. Overall length of the car		397.5	cm	inches
5. Overall width of the car		149.5	cm	inches
6. Overall height of the car		141.0	cm	inches
7. <u>Capacity of fuel tank</u> (reserve included)				36 ltrs
	9.5	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:				
	765	kg	1686	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 : ~~SEPARATE~~ / 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 **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 or Bench, Vinyl Leather**
- 42. Weight of front seat (s), complete with supports and rails, out of the car :

Separate	14.3 x 2 = 28.6	kg
Bench	28.6	kg
- 43. Rear seats, type of seats and upholstery **Bench, Vinyl Leather**
- 44. Front bumper, material (s) **Steel** Weight **4.7** kg lbs
- 45. Rear bumper, material (s) **Steel** Weight **4.0** kg lbs

WHEELS

- 50. Type **Pressed Steel**
- 51. Weight (per wheel, without tyre) **6.0** kg lbs
- 52. Method of attachment **Wheel nut (4 nuts)**
- 53. Rim diameter **330** mm **13.0** inches
- 54. Rim width **101** mm **4.0** inches
114 mm **4.5** inches

STEERING

- 60. Type **Ball nut**
- 61. Servo-assistance : ~~YES~~ - no
- 62. Number of turns of steering wheel from lock to lock **2.5**
- 63. In case of servo-assistance

SUSPENSION

- 70. Front suspension (photogr. D), type Independent, Wishbone
- 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 Semi-elliptic 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 1

	FRONT			REAR		
93. Number of cylinders per wheel	1			1		
94. Bore of wheel cylinder (s)	22.2	mm	in.	17.5	mm	in.
Drum brakes						
95. Inside diameter	228.6	mm	in.	228.6	mm	in.
96. Length of brake linings	(Primary 215.0 Secondary 245.0)	mm	in.	(Primary 215.0 Secondary 245.0)	mm	in.
97. Width of brake linings	35.0	mm	in.	35.0	mm	in.
98. Number of shoes per brake	2			2		
99. Total area per brake	16100	mm ²	sq. in.	16100	mm ²	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		mm ²	sq. in.		mm ²	sq. in.

Make Mitsubishi

Model A23

F. I. A. Rec. No.

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 71 mm	2.80 in.
135. Capacity per cylinder	297 cm ³		18.12 cu. in.
136. Total cylinder-capacity	1189 cm ³		72.56 cu. in.
137. Material (s) of cylinder block	Cast-Iron		
138. Material (s) of sleeves (if fitted)	-		
139. Cylinder-head, material (s)	Aluminium Alloy	Number fitted	1
140. Number of inlet ports	4	141. Number of exhaust ports	4
142. Compression ratio	8.5		
143. Volume of one combustion chamber		39.6 cm ³	cu. in.
144. Piston, material	Aluminium Alloy	145. Number of rings	3
146. Distance from gudgeon pin centre line to highest point of piston crown	35.5 mm		inches
147. Crankshaft : casted / stamped		148. Type of crankshaft : integral /XXXX	
149. Number of crankshaft main bearings	3		
150. Material of bearing cap	Cast-Iron		
151. System of lubrication : dry sump / oil in sump			
152. Capacity, lubricant 3.5 ltrs		pts	quarts US
153. Oil cooler : yes / no		154. Method of engine cooling	Water
155. Capacity of cooling system 5.0 ltrs		pints	quarts US
156. Cooling fan (if fitted), dia. 32 cm		inches	
157. Number of blades of cooling fan	2		

Bearings

158. Crankshaft main, type	Plain	Dia.	64 mm	in.
159. Connecting rod big end,	Plain	Dia.	52 mm	in.

Weights

160. Flywheel (clean)	6.8 kg	lbs			
161. Flywheel with clutch (all turning parts)		10.6 kg	lbs		
162. Crankshaft	10.0 kg	lbs	163. Connecting rod	0.56 kg	lbs
164. Piston with rings and pin	0.33 kg	lbs			

Make **Mitsubishi**

Model **A23**

F. A. Rec. N.

FOUR STROKE ENGINES

- 170. Number of camshafts **1** 171. Location **Cylinder Block**
- 172. Type of camshaft drive **Chain**
- 173. Type of valve operation **Pushrod and Rocker**

INLET (see page 8) *

- 180. Material(s) of inlet manifold **Aluminium Alloy**
- 181. Diameter of valves **35** mm **1.38** inches
- 182. Max. valve lift **8.2** mm **0.323** 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) **0.05** mm **inches**
- 187. Valves open at (with tolerance for tappet clearance indicated) **22° + 2.5° B. T. D. C.**
- 188. Valves close at (with tolerance for tappet clearance indicated) **62° + 2.5° A. B. D. C.**
- 189. Air filter, type **Dry**

EXHAUST (see page 8)

- 195. Material (s) of exhaust manifold **Cast-Iron**
- 196. Diameter of valves **28** mm **1.10** inches
- 197. Max. valve lift **8.2** mm **0.323** 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) **0.15** mm **inches**
- 202. Valves open at (with tolerance for tappet clearance indicated) **62° + 2.5° B. B. D. C.**
- 203. Valves close at (with tolerance for tappet clearance indicated) **22° + 2.5° A. T. D. C.**

CARBURETION (photograph N)

- 210. Number of carburetors fitted **1**
- 211. Type **Down Draught**
- 212. Make **AISAN**
- 213. Model **DW28BA**
- 214. Number of mixture passages per carburetor **2**
- 215. Flange hole diameter of exit port(s) of carburetor **Primary 28** mm **in.**
Secondary 28
- 216. Minimum dimensions of mixture passage (s) ~~with primary and secondary jets~~
Primary 21 mm **inches**
Secondary 24

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

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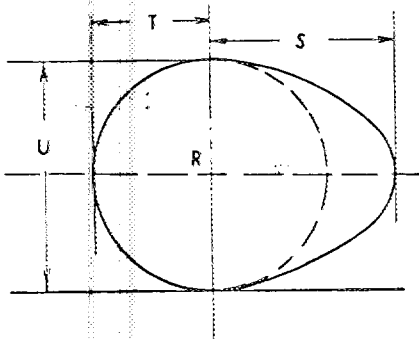
ENGINE ACCESSORIES

- 230. Fuel pump : Mechanical ~~XXXXXXXXXX~~ 231. No. fitted 1
- 232. Type of ignition system Make and 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 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 62 PS (type of horsepower: JIS) at 6000 rpm
- 251. Maximum rpm 6500 output at that figure 61PS
- 252. Maximum torque 9.0kg-m at 3,800 rpm
- 253. Maximum speed of the car 140 km/hour miles / hour

255.



R=centre of camshaft.

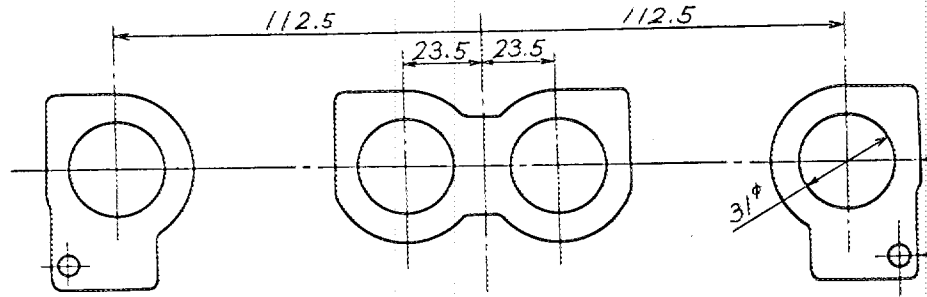
Inlet cam

s =	20.6	mm	0.811	inches
T =	15.0	mm	0.591	inches
U =	30.0	mm	1.181	inches

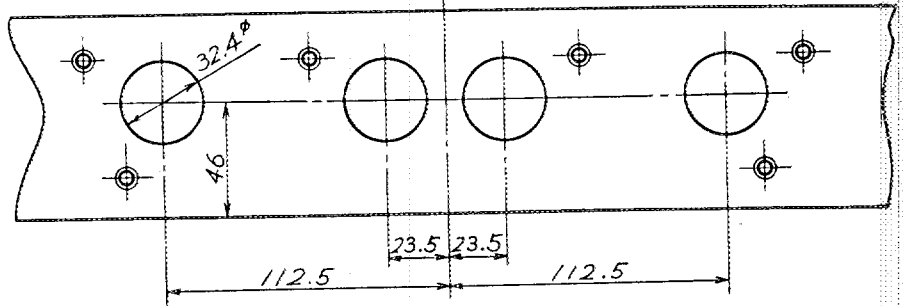
Exhaust cam

s =	20.6	mm	0.811	inches
T =	15.0	mm	0.591	inches
U =	30.0	mm	1.181	inches

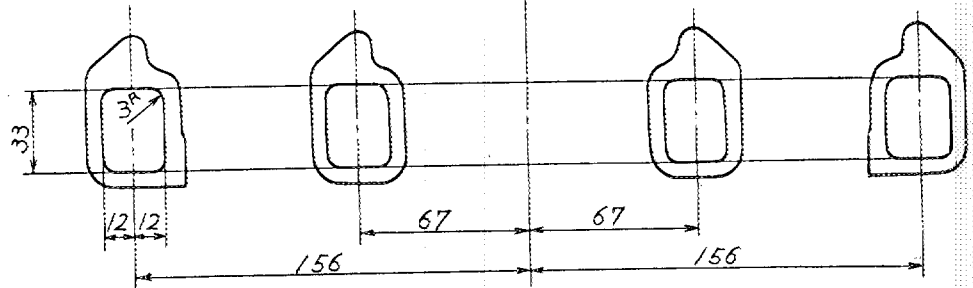
Drawing inlet manifold ports, side of cylinder-head. Indicate scale or dimensions and manufacturing tolerance.



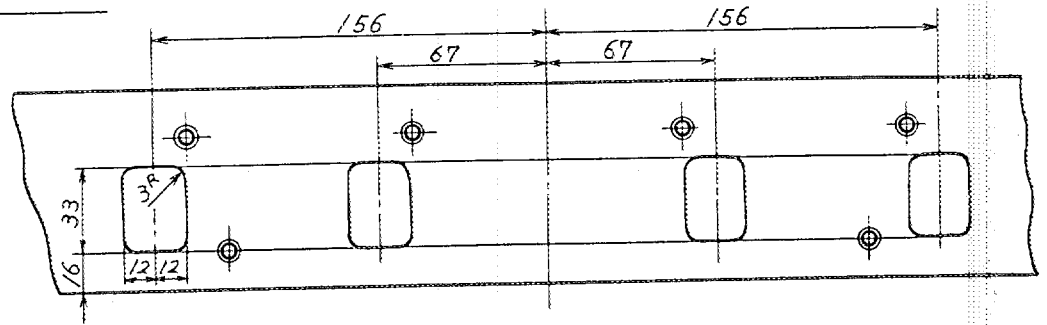
Drawing of entrance to inlet port of cylinder-head. Indicate scale or dimensions and manufacturing tolerance.



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



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



Unit; mm
Tolerance; ± 1.5

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Model A23

F. I. A. Rec. No.

DRIVE TRAIN

CLUTCH

- 260. Type of clutch Dry Single Plate
- 261. No. of plates 1
- 262. Dia. of clutch plates 18.5 cm inches
- 263. Dia. of linings, inside 12.7 cm in. outside 18.4 cm in.
- 264. Method of operating clutch Mechanical or Hydraulic

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 or Column
- 274. Automatic, make Borg Warner type M35
- 275. No. of forward ratios 3
- 276. Location of gear-shift Column

277.	Manual		Automatic		Alternative manual		Alternative automatic	
	Ratio	No. teeth	Ratio	No. teeth	Ratio	No. teeth	Ratio	No. teeth
1	3.490 (35/19x36/19)		2.393 (67/17 x 17/16 x 16/28)		3.787 (35/19x37/18) 3.490 (35/19x36/19)		3.132 (35/19x34/20)	
2	2.211 (35/19x30/25)		1.450 (32/16 x 16/17 x 17/28 + 1) x (67/(32 + 67))		2.379 (35/19x31/24)		1.910 (35/19x28/27)	
3	1.426 (35/19x24/31)		1.000		1.535 (35/19x25/30) 1.324 (35/19x23/32)		1.652 (35/19x26/29) 1.324 (35/19x23/32)	
4	1.000				1.000		1.000	
5								
6								
reverse	5.243 (35/19x21/13 x 37/21)		2.094 (67/17 x 17/32)		5.243 (35/19 x 21/13 x 37/21)		5.243 (35/19 x 21/13 x 37/21)	

- 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 Bevel Gear
- 292. Type of limited slip differential (if fitted) —
- 293. Final drive ratio 3.889 4.222 4.625 4.875 5.428
- Number of teeth 35/9 38/9 37/8 39/8 38/7

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Model A23

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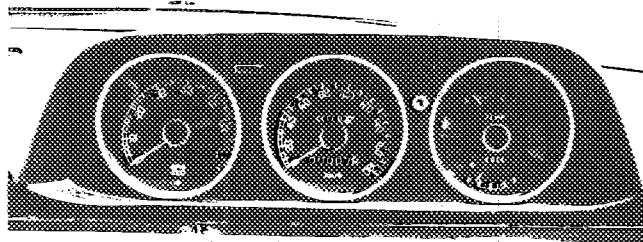
IMPORTANT- The conformity of the car with the following items of the present recognition form is to be disregarded during the scrutineering, when the vehicle has been entered in group 2 (Touring cars) or 3 (Grand Touring cars) : 41, 72, 80, 91, 142, 143, 144, 145, 146, 153, 156, 157, 160, 161, 162, 163, 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.

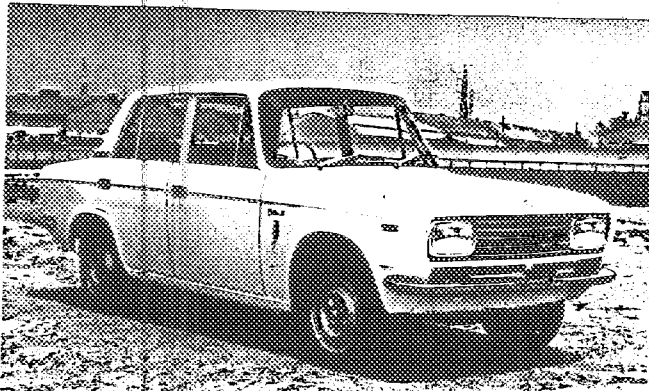
Optional equipment affecting preceding information. This to be stated together with reference number.

7. Capacity of fuel tank 80 Ltrs. 21.1 Gallon US

o Dashboard



o Four Door Sedan (Photograph A, B)



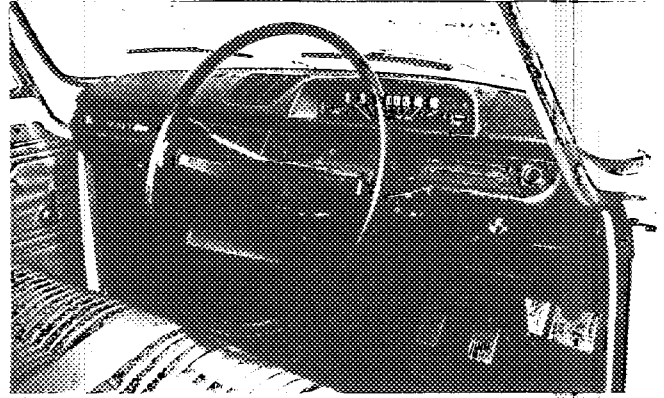
The model produced on the same line as 2 door sedan.

Photograph

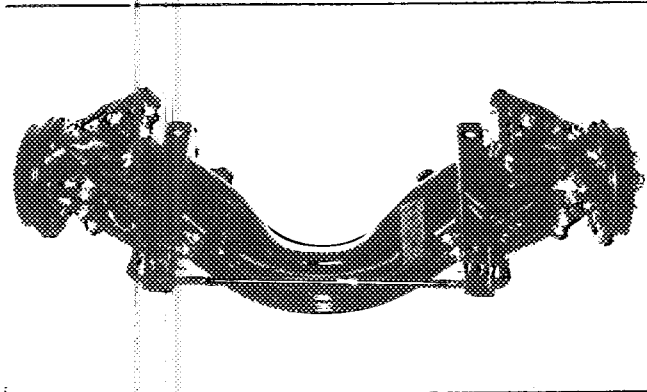
B, 3/4 view of car from rear



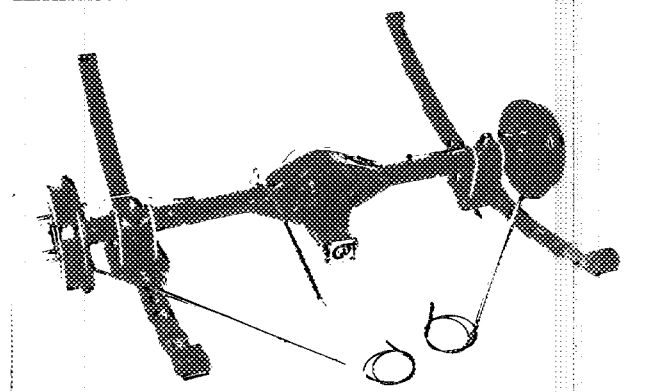
C, interior view of car through driver's door (open or removed) with dashboard



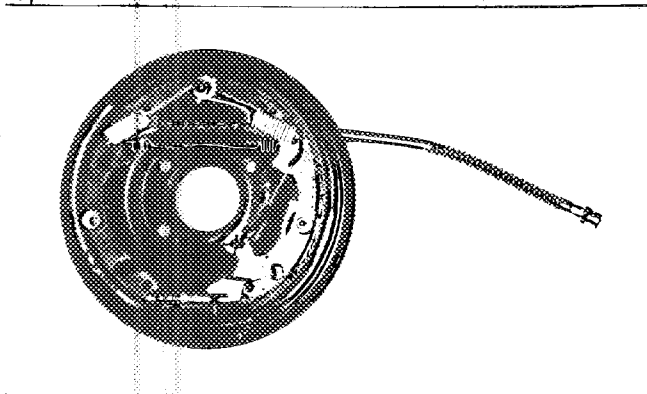
D, front axle complete, removed from car. Without wheels.



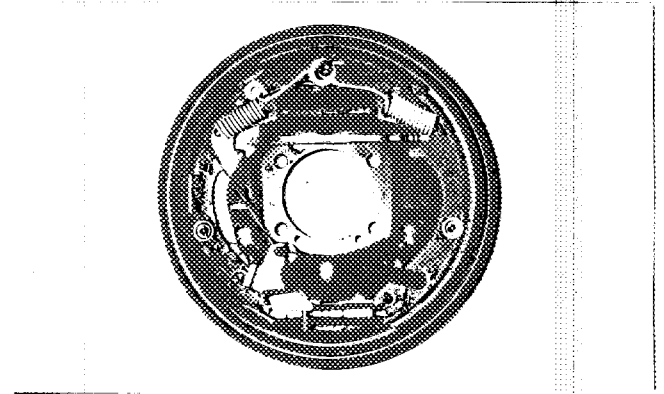
E, Rear axle complete without wheels, removed from car.



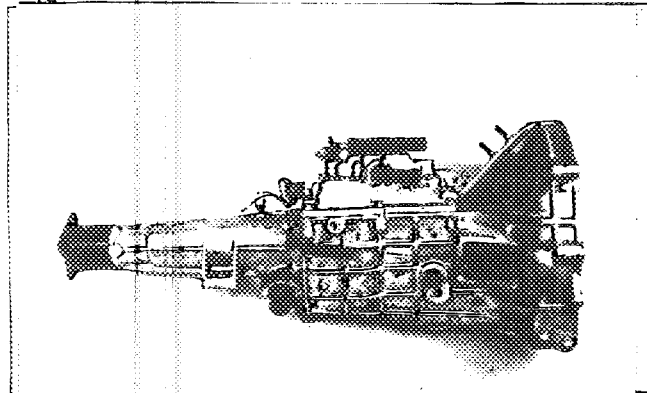
F, front brake, drum removed or disc with caliper(s)



G, rear brake, drum removed or disc with caliper(s)



H, gear-box, view from side



I, silencer + exhaust pipes after exhaust manifold

