



JAPAN AUTOMOBILE FEDERATION

F. I. A. Recognition No 5062
Group 1 - Tourisme de Série

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

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

Manufacturer	HINO MOTORS, LTD.	Cylinder-capacity	1251	cm ³ 76.34 cu inches
Serial No of chassis	PD100-500001	Model	Contessa 1300	
Serial No of engine	GR100-300001	Manufacturer	HINO MOTORS, LTD.	
Recognition is valid from	<u>1st February 1966</u>	Manufacturer	HINO MOTORS, LTD.	
		List	<u>14/2</u>	

The manufacturing of the model described in this recognition form was started on July 1964 and the minimum production of 5000 identical cars, in accordance with the specifications of this form was reached on November 1964.

Photograph A, 3/4 view of car from front



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

Variants

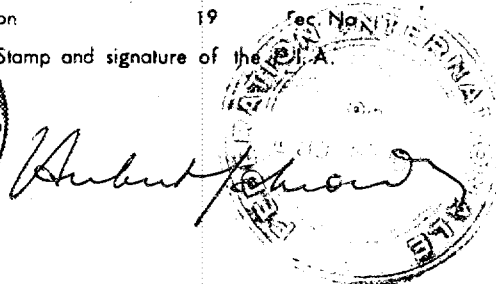
Normal evolution of the type

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Stamp and signature of the
National Sporting Authority

Stamp and signature of the F.I.A.

Kametarō Fujita
Chairman of C.S.

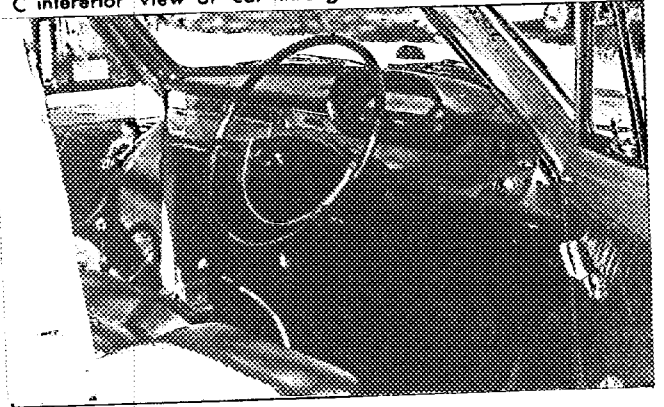


Make HINO

Photograph Model Contessa 1300

F. i. A. Rec. No

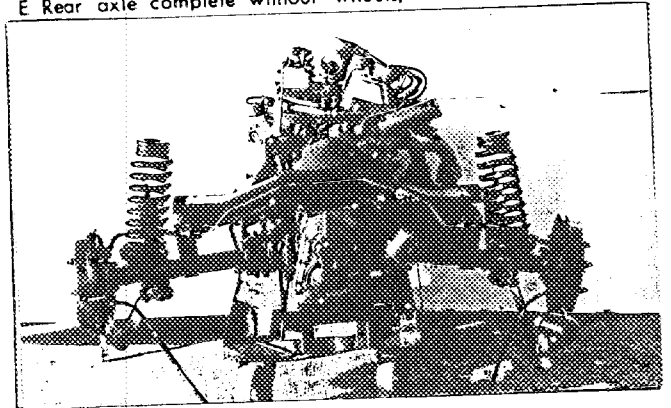
C interior view of car through driver's door (open or removed)



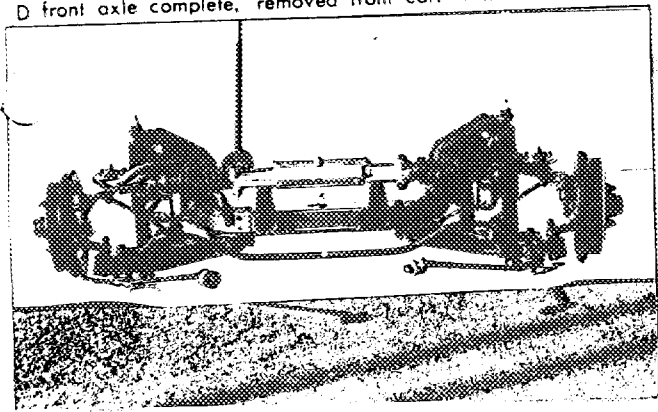
B 3/4 view of car from rear



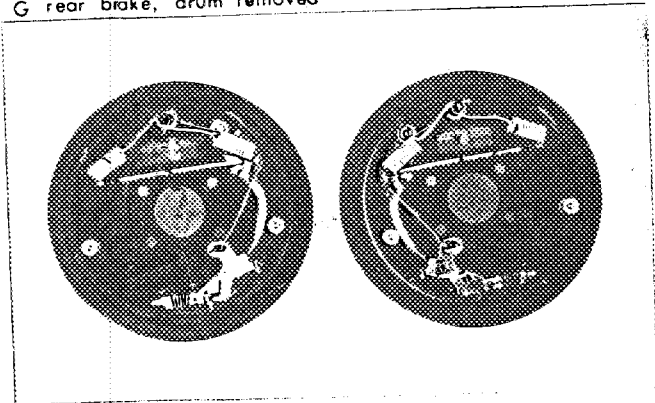
E Rear axle complete without wheels, removed from car.



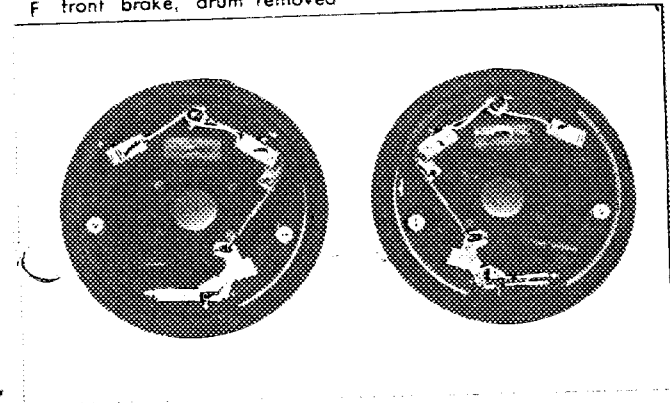
D front axle complete, removed from car. Without wheels.



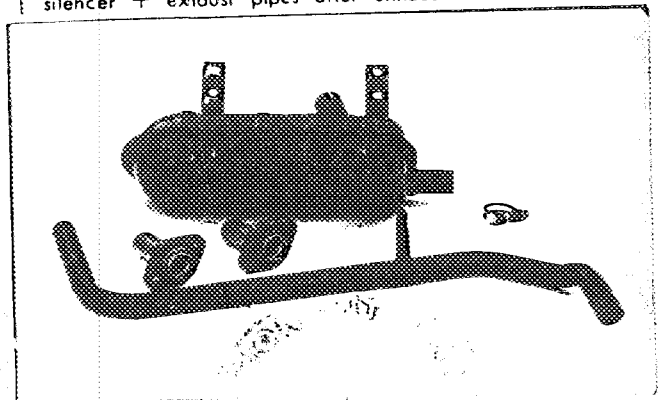
G rear brake, drum removed



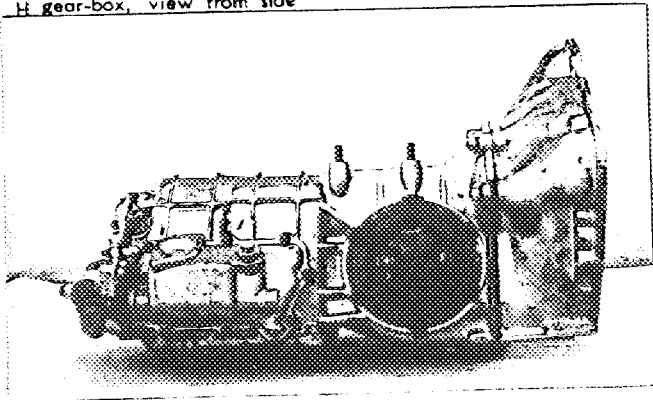
F front brake, drum removed



I silencer + exhaust pipes after exhaust manifold.



H gear-box, view from side



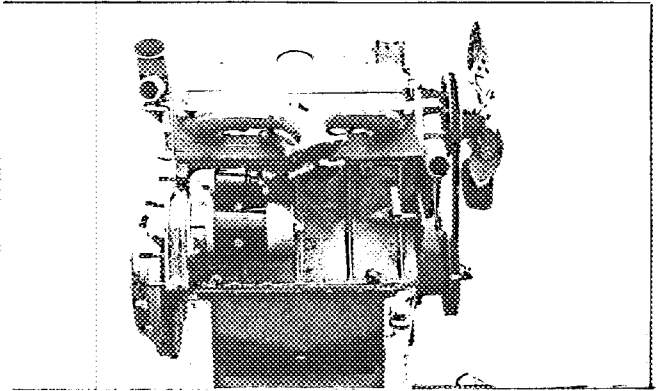
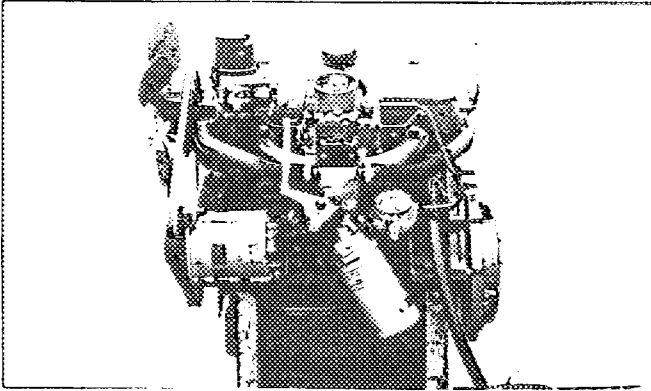
Make HINO

Photograph Model Contessa 1300

F. I. A. Rec. No

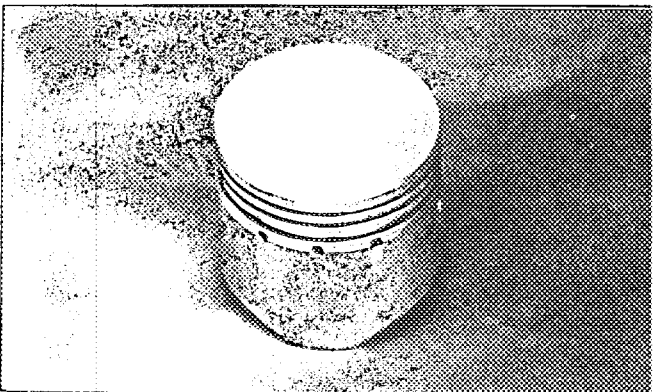
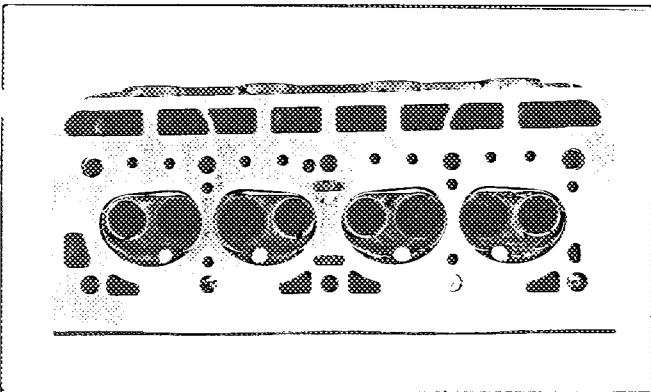
J engine unit out of car, from right. With clutch and accessories but without air filter nor gear-box.

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



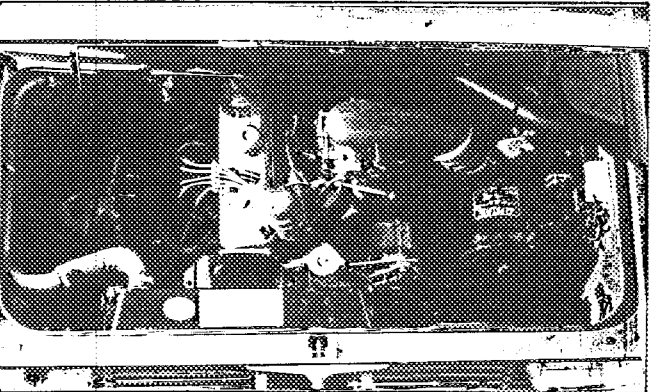
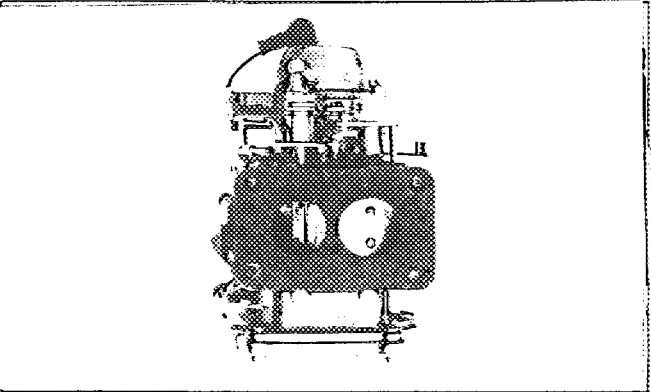
L combustion chamber

M piston crown



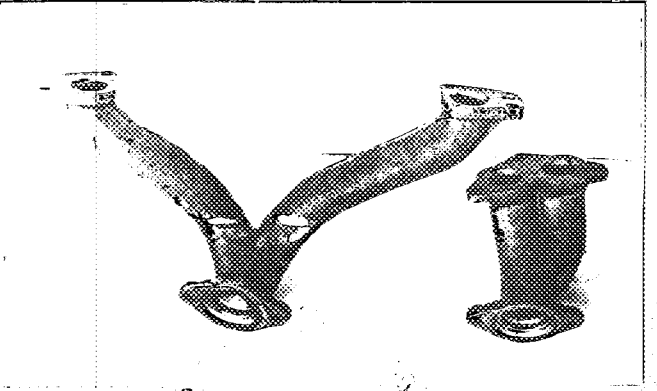
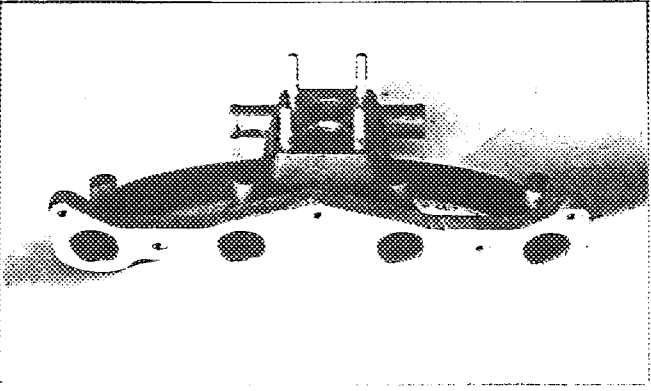
N Carburettor (view from side of manifold)

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



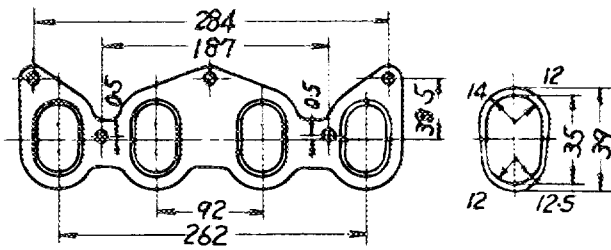
P inlet manifold

Q exhaust manifold



H

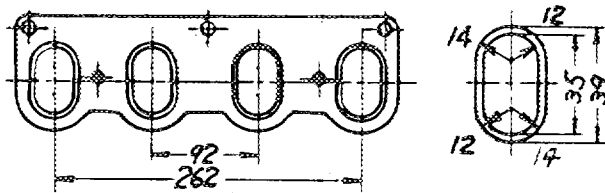
Drawing inlet manifold ports, side of cylinder-head. Indicate scale or dimensions and manufacturing tolerance.



General tolerance

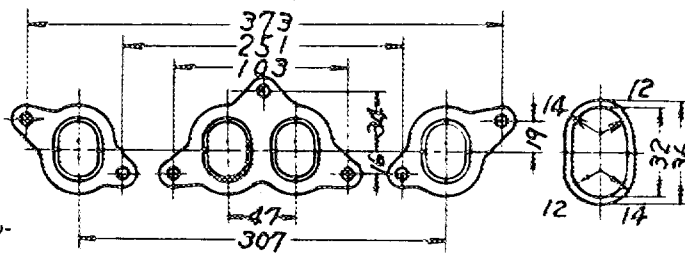
Machined	+1 -0
Non-machined	+3 -1.5

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



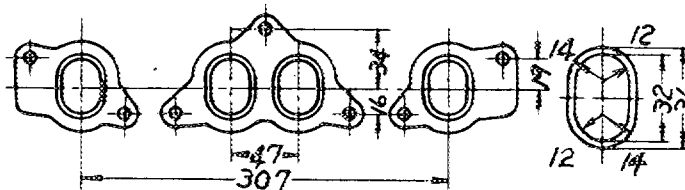
Machined	+1 -0
Non-machined	+3 -1.5

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

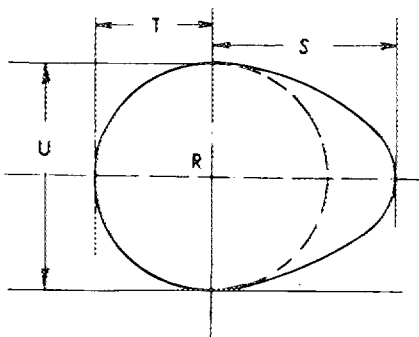


Machined	+1 -0
Non-machined	+3 -1.5

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



Machined	+1 -0
Non-machined	+3 -1.5



R=centre of camshaft.

Inlet cam

S =	21.3	mm	0.84	inches
T =	15.7	mm	0.62	inches
U =	31.5	mm	1.24	inches

Exhaust cam

S =	21.3	mm	0.84	inches
T =	15.7	mm	0.62	inches
U =	31.4	mm	1.24	inches



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

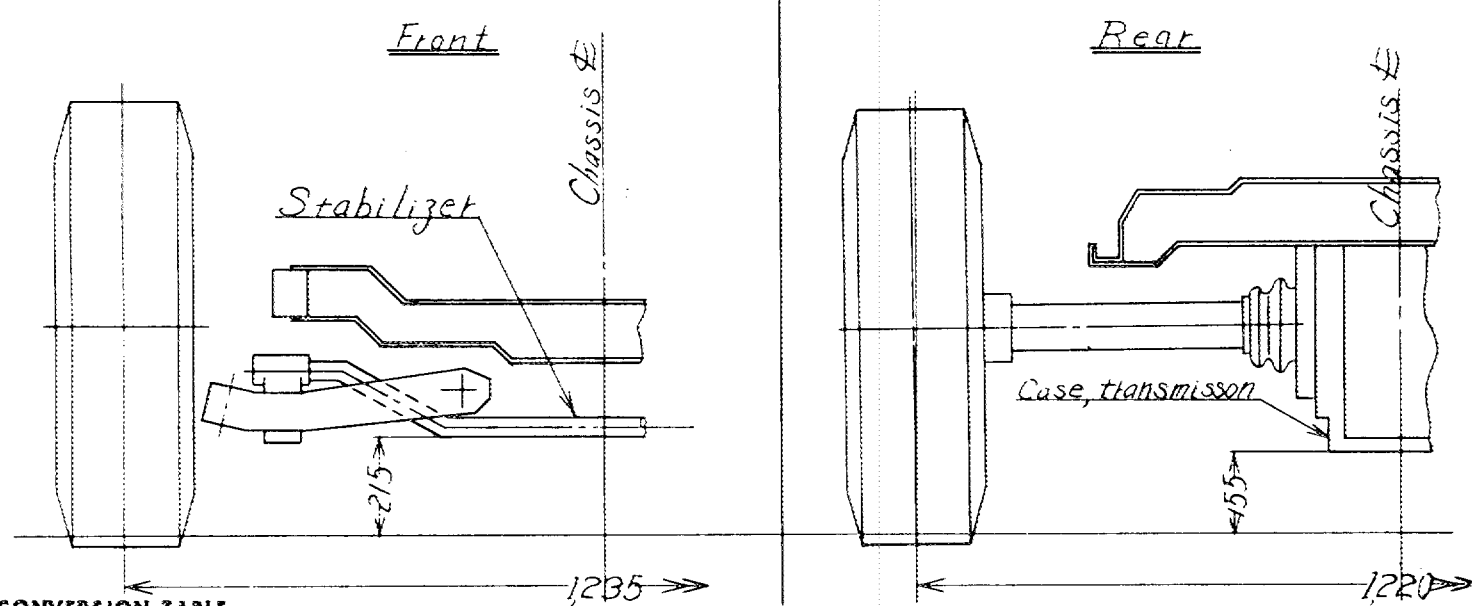
CAPACITIES AND DIMENSIONS

1. <u>Wheelbase</u>	2280	mm	89.8	inches
2. <u>Front track</u>	1235	mm	48.7	inches *
3. <u>Rear track</u>	1220	mm	48.1	inches *
4. Overall length of the car	Standard model 409	cm	161	inches
	Deluxe and export model 415	cm	163.4	inches
5. Overall width of the car	153	cm	60.3	inches
6. Overall height of the car	139	cm	54.7	inches
7. <u>Capacity of fuel tank</u> (reserve included)			33	ltrs
	8.7	Gallon US		Gallon Imp.
8. Seating capacity	4			
9. <u>Weight</u> , total weight of the car with normal equipment, water, oil and spare wheel but without fuel nor repair tools	880	kg	1940	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 easily recognizable points at front and rear 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



H

Make **HINO**

Model **Contessa 1300**

CHASSIS AND COACHWORK (Photographs A, B and C)

20. Chassis/body construction : ~~XXXXX~~ / unitary construction
21. Unitary construction, material (s) **Steel**
Separate construction
22. Material (s) of chassis
23. Material (s) of coachwork
24. Number of doors **4** Material (s) **Steel, plastics etc.**
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 **Manual, vertical**
32. Material (s) of rear-quarter light **Glass**

ACCESSORIES AND UPHOLSTERY

38. Interior heating : ~~XX~~ - no
39. Air-conditioning : ~~XX~~ - no
40. Ventilation : yes - ~~XX~~
41. Front seats, type of seat and upholstery **Separate type, vinyl and fabric**
42. Weight of front seat (s), complete with supports and rails, out of the car :
15.5 kg X 2 lbs
43. Rear seats, type of seat and upholstery **Leuch type, vinyl and fabric**
44. Front bumper, material (s) **Steel** Weight **6.6 kg** inches
45. Rear bumper, material (s) **Steel** Weight **6.6 kg** inches

WHEELS

50. Type **Pressed steel** lbs
51. Weight (per wheel, without tyre) **5.8 kg**
52. Method of attachment **4 nuts clamped**
53. Rim diameter **329.4 mm** **13 inches**
54. Rim width **144 mm** **4.5 inches**

STEERING

62. Number of turns of steering wheel from lock to lock **3.8**
63. In case of servo-assistance



Make HINO

Model Contessa 1300

F. I. A. Rec. No

SUSPENSION

- 70. Front suspension (photogr. D), type Independent, wishbone type.
- 71. Type of spring Torsion bar
- 72. Stabiliser (if fitted) Torsion bar
- 73. Number of shockabsorbers 2
- 74. Type Telescopic, hydraulic double acting.
- 78. Rear suspension (photogr. E), type Independent, swing axle type with single radius arm.
- 79. Type of spring Coil
- 80. Stabiliser (if fitted)
- 81. Number of shockabsorbers 2
- 82. Type Telescopic, hydraulic double acting.

BRAXES (photographs F and G)

- 90. Method of operation **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)	mm 13/16 in.			mm 13/16 in.		
Drum brakes						
95. Inside diameter	228.5	mm	in.	228.5	mm	in.
96. Length of brake linings	249/219	mm	in.	249 219	mm	in.
97. Width of brake linings	35	mm	in.	35	mm	in.
98. Number of shoes per brake	2			2		
99. Total area per brake	16400	mm ²	sq. in.	16400	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.



H

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Model **Contessa 1300**

F. I. A. Rec. No.

ENGINE (photographs J and K)

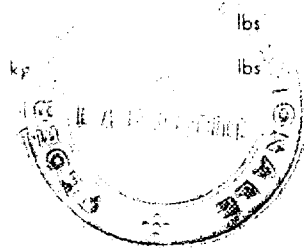
130. Cycle	4	131. Number of cylinders	4
132. Cylinder arrangement	In line		
133. Bore	71 mm	134. Stroke	79 mm
	2.80 in.		3.11 in.
135. Capacity per cylinder	312.8 cm³		19.09 cu. in.
136. Total cylinder-capacity	1251 cm³		76.34 cu. in.
137. Material (s) of cylinder block	Cast iron		
138. Material (s) of sleeves (if fitted)	Cast iron		
139. Cylinder-head, material (s)	Aluminium	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		37.6 cm³	cu. in.
144. Piston, material	Aluminium	145. Number of rings	3
146. Distance from gudgeon pin centre line to highest point of piston crown	35.5 mm		inches
147. Crankshaft : moulded / cast		148. Type of crankshaft :	integral /
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	3.0 ltrs	pts	quarts US
153. Oil cooler : yes / no			
154. Method of engine cooling	Water cooled		
155. Capacity of cooling system	7.1 ltrs	pints	quarts US
156. Cooling (if fitted), dia.	34 cm	inches	
157. Number of blades of cooling fan	6		

Bearings

158. Crankshaft main, type	Plane	Dia.	50 mm	in.
159. Connecting rod big end, type	Plane	Dia.	47.5 mm	in.

Weights

160. Flywheel (clean)	6.1 kg	lbs
161. Flywheel with clutch (all turning parts)	10.9 kg	lbs
162. Crankshaft	10.6 kg	lbs
163. Connecting rod	0.65 kg	lbs
164. Piston with rings and pin	0.28 kg	lbs



H

Make HINO

Model Contessa 1300

F.I.A. Rec. No

FOUR STROKE ENGINES

- 170. Number of camshafts 1 171. Location Cylinder block
- 172. Type of camshaft drive Gear drive
- 173. Type of valve operation Push rod

INLET (see page 4) *

- 180. Material(s) of inlet manifold Aluminium
- 181. Diameter of valves 36 mm 1.42 inches
- 182. Max. valve lift 9.0 mm 0.35 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) 0.26 mm inches
- 187. Valves open at (With tolerance for tappet clearance indicated) B.T.D.C $22^{\circ} \pm 2.5^{\circ}$
- 188. Valves close at (with tolerance for tappet clearance indicated) A.B.D.C $48^{\circ} \pm 2.5^{\circ}$
- 189. Air filter, type

EXHAUST (see page 4)

- 195. Material (s) of exhaust manifold Cast iron
- 196. Diameter of valves 32 mm 1.26 inches
- 197. Max. valve lift 9.0 mm 0.35 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) 0.36 mm inches
- 202. Valves open at (with tolerance for tappet clearance indicated) B.B.D.C $58^{\circ} \pm 2.5^{\circ}$
- 203. Valves close at (with tolerance for tappet clearance indicated) A.T.D.C $12^{\circ} \pm 2.5^{\circ}$

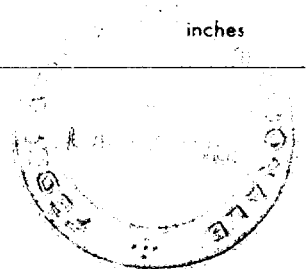
CARBURETION (photograph N)

- 210. Number of carburetors fitted 1 211. Type Down draft, Stromberg
- 212. Make HITACHI 213. Model DCG308
- 214. Number of mixture passages per carburetor 2
- 215. Flange hold diameter of exit port(s) of carburetor Primary: 28, Secondary: 30 mm inches
- 216. Minimum diameter of venturi / ~~minimum diameter of venturi~~
Primary: 21, Secondary: 27 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.



H

Make HINO

Model Contessa 1300

F. I. A. Rec. No.

ENGINE ACCESSORIES

230. Fuel pump : mechanical ~~xxx~~ / ~~or xxxxxx~~
232. Type of ignition system **Contact breaker and ignition coil**
234. No of ignition coils **1**
236. Generator, type: ~~xxxx~~/alternator-number fitted **1**
238. Voltage of generator **12** volts
240. Location **Front trunk**
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 **55 PS** (type of horsepower: **JIS**) at **5000** rpm
251. Maximum rpm **5300** output at that figure **55 PS**
252. Maximum torque **9.74 m-kg** at **3200** rpm
253. Maximum speed of the car **130** km/hour **miles / hour**



H

Make HINO

Model Contessa 1300

F.I.A. Rec. No

DRIVE TRAIN

CLUTCH

260. Type of clutch Diaphragm spring strap drive

261. No. of plates 1

262. Dia. of clutch plates 2 inches

263. Dia. of linings, inside 13 cm in. outside 20 cm in.

264. Method of operating clutch Hydraulic

GEAR BOX (photograph H)

270. Manual type, make HINO

271. No. of gear-box ratios forward 4

272. Synchronized forward ratios 4

273. Location of gear-shift Floor or column

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	3.70	37/10			3.45	38/11		
2	2.31	37/16			1.87	43/23		
3	1.46	35/24			1.04	29/28		
4	1.04	29/28						
5								
6								
reverse	3.09	34/11			3.09	34/11		

278. Overdrive, type

279. Forward gears on which overdrive can be selected

280. Overdrive ratio

FINAL DRIVE

290. Type of final drive Hypoid gear and pinion

291. Type of differential Bevel gear

292. Type of limited slip differential (if fitted)

293. Final drive ratio 4.11

Number of teeth 37/9



H

Make HINO

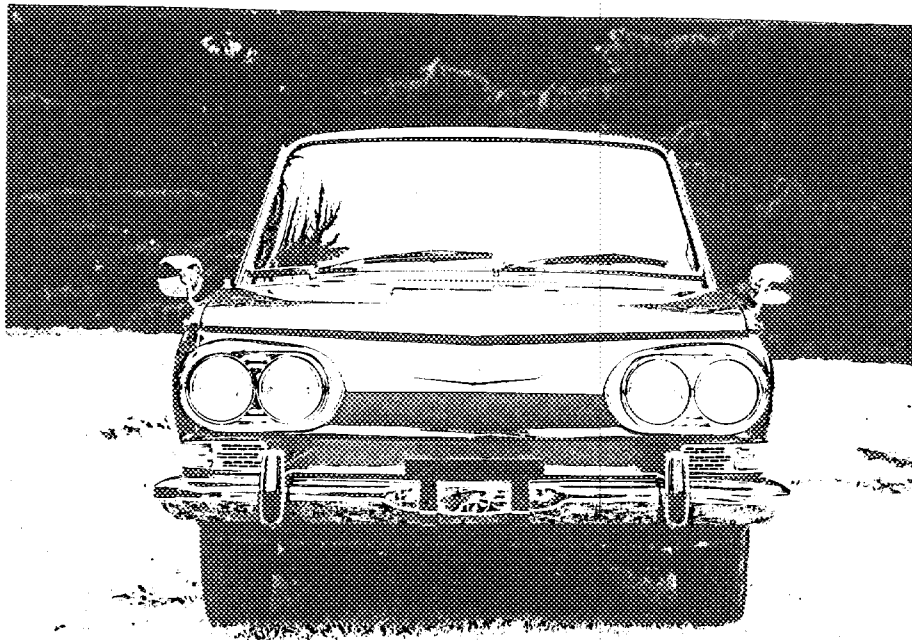
Model Contessa 1300

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, 186, 187, 188, 189, 201, 202, 203, 212, 213, 215, 216, 222, 225, 230, 236, 250, 251, 252, 253, 255 page 4. and Photographs I, M and N,

During the scrutineering of 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.



Deluxe and export model



H

Make HINO

Model Contessa 1300

F. I. A. Rec. No.

TWO STROKE ENGINES

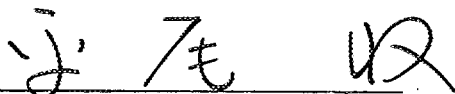
300. System of cylinder scavenging
301. Type of lubrication
302. Inlet ports, length measured around cylinder wall mm inches
303. Height inlet port mm in. 304. Area mm² sq. in.
305. Exhaust ports, length measured around cylinder wall mm inches
306. Height exhaust port mm in. 307. Area mm² sq. in.
308. 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.

30. Supercharging—state full details hereafter :

JAPAN AUTOMOBILE FEDERATION

Chairman

of Technical Subcommission



Osamu Hiraori