



JAPAN AUTOMOBILE FEDERATION

F. I. A. Recognition No. **1444**
Group **2 - Touring**

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

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

Manufacturer **HINO MOTORS, LTD.**

Serial No. of chassis **PD300-100061**
engine **GR100-100074**

Recognition is valid from **1st November 1966**

The manufacturing of the model described in this recognition form was started on **April 1965** and the minimum production of **1000** identical cars, in accordance with the specifications of this form was reached on **March 1966**

Cylinder-capacity **1251** cm³ **76.34** cu. in.

Model **Contessa 1300 Coupé L**

Manufacturer **HINO MOTORS, LTD.**

Manufacturer **HINO MOTORS, LTD.**

List **15/1**

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

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
National Sporting Authority

Stamp and signature of the F. I. A.

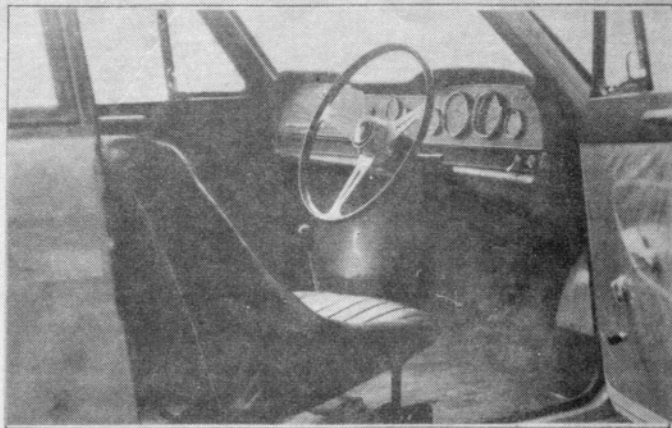
Hubert Johnson

Photograph

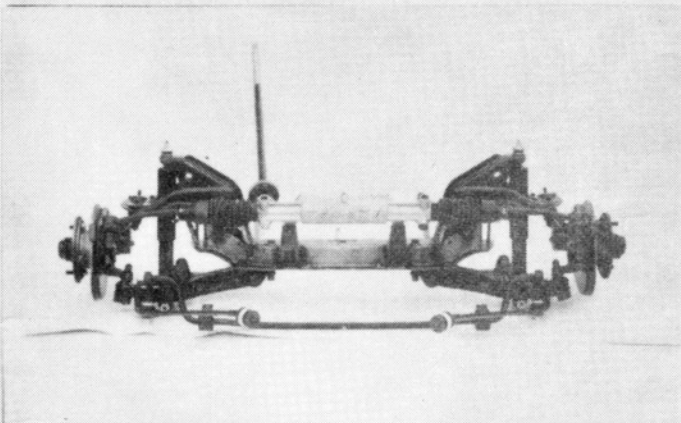
B, 3/4 view of car from rear



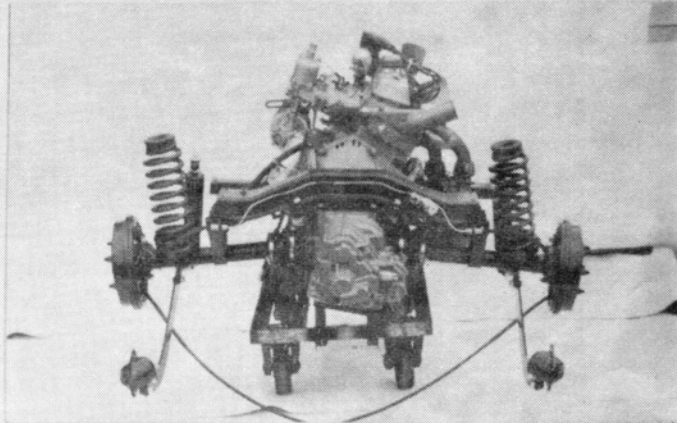
C, interior view of car through driver's door (open or removed)



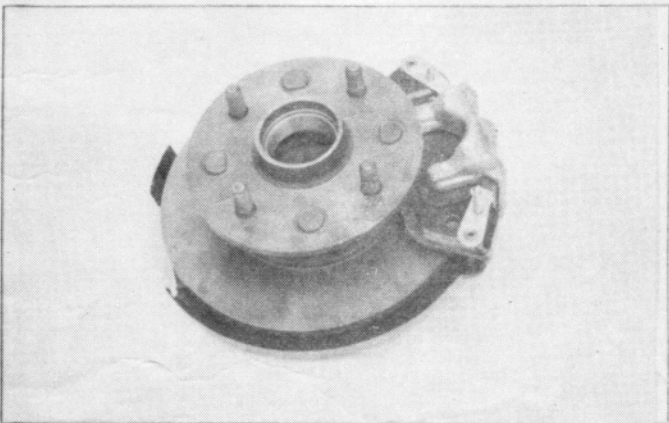
D, front axle complete, removed from car. Without wheels.



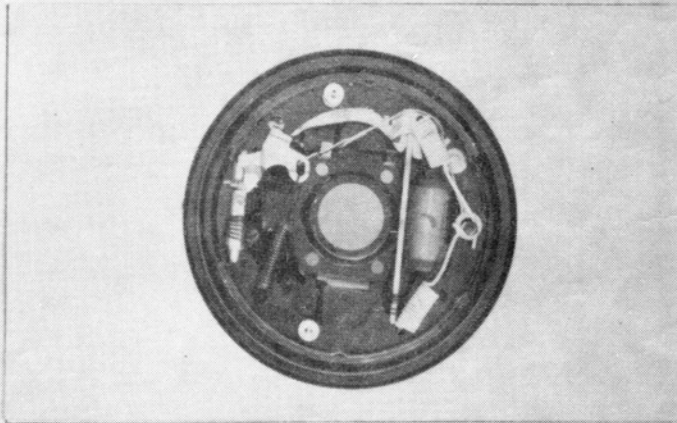
E, Rear axle complete without wheels, removed from car.



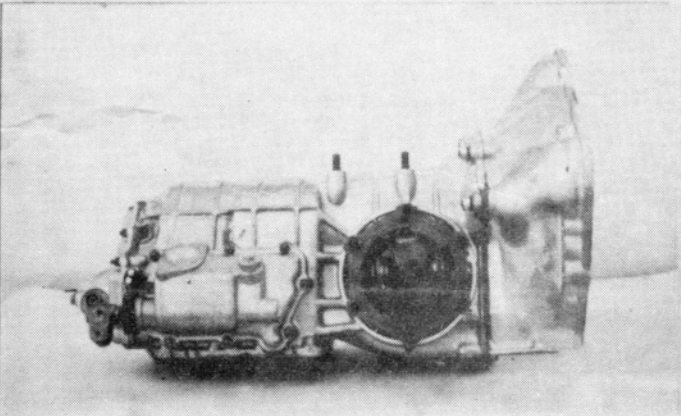
F, front brake, drum removed



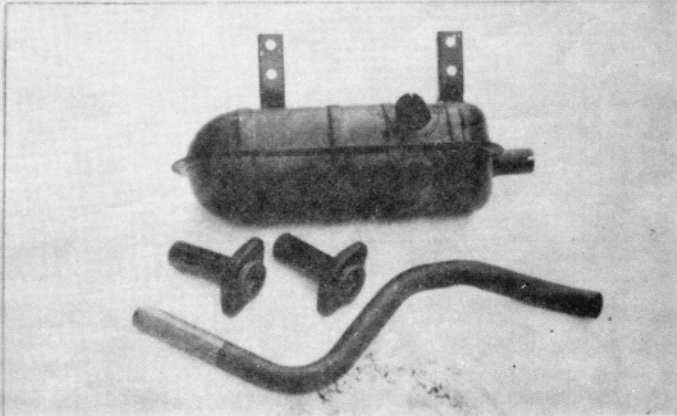
G, rear brake, drum removed



H, gear-box, view from side



I, silencer + exhaust pipes after exhaust manifold.



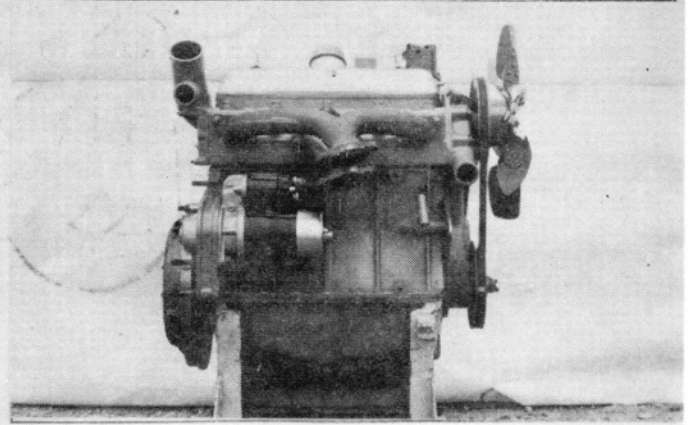
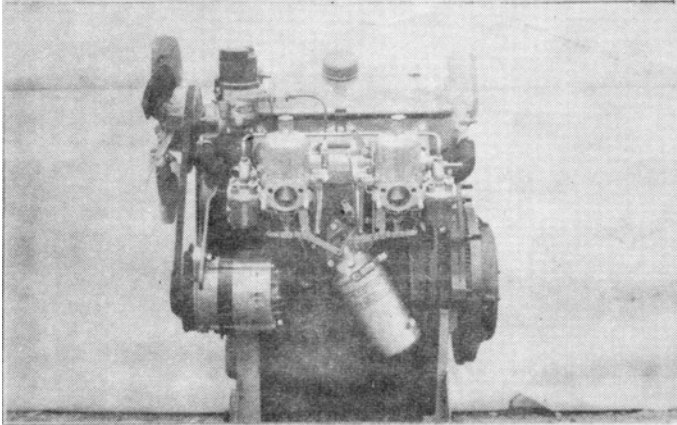
Make HINO

Model Contessa 1300 Coupé, L.A. Rec. No

Photograph

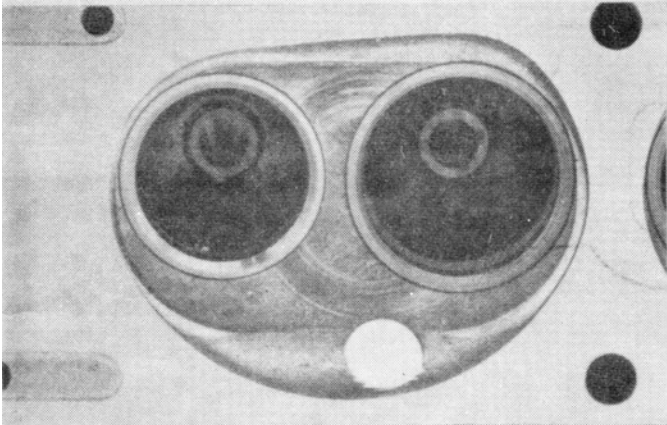
J, engine unit out of car, from right. With clutch and accessories but without air filter nor gear-box.

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



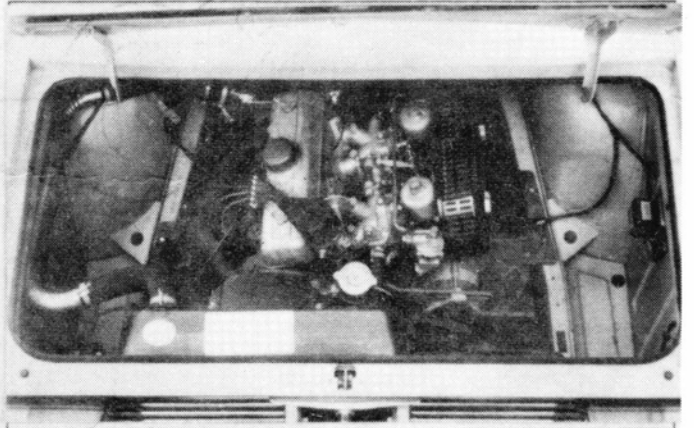
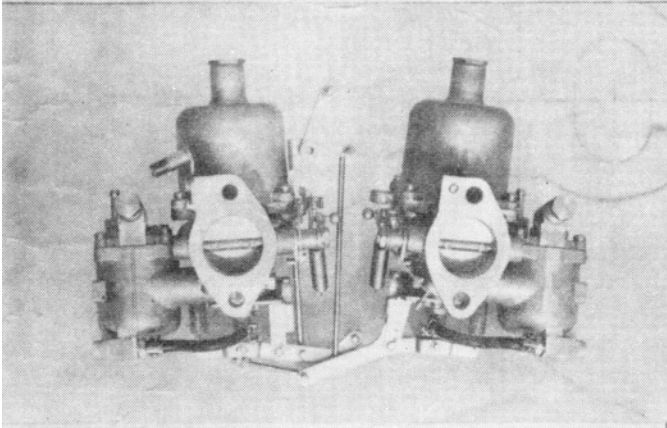
L, combustion chamber

M, piston crown



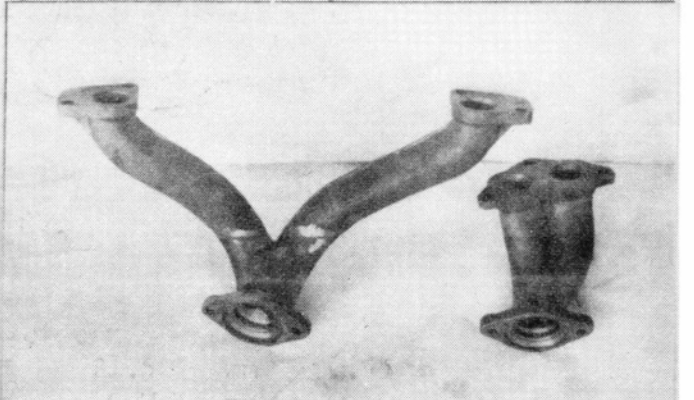
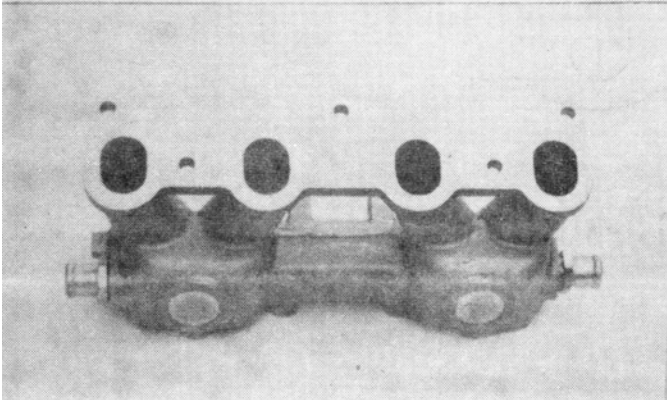
N, Carburettor (view from side of manifold)

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



P, inlet manifold

Q, exhaust manifold

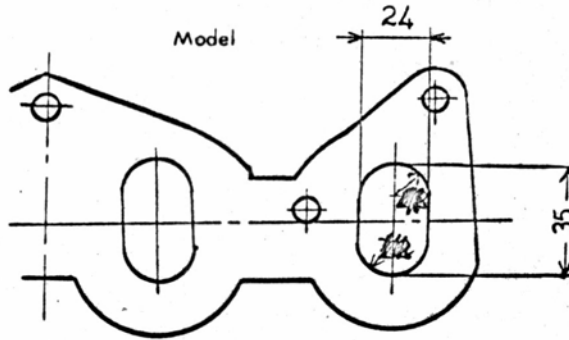


Contessa 1300 Coupe L

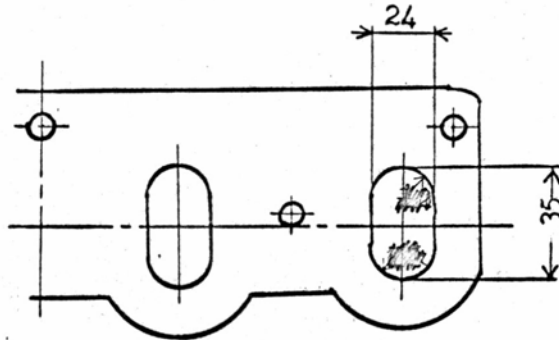
F. I. A. Rec. No.

Make HINO

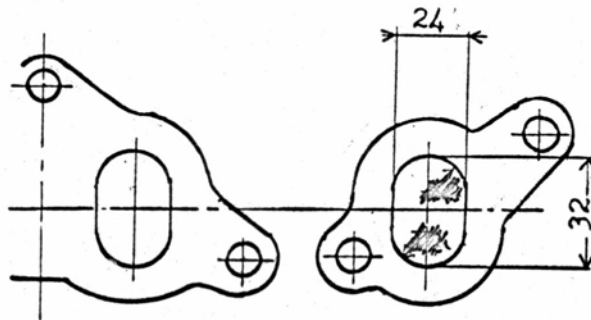
Drawing inlet manifold ports, side of cylinder-head. Indicate scale or dimensions and manufacturing tolerance.



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



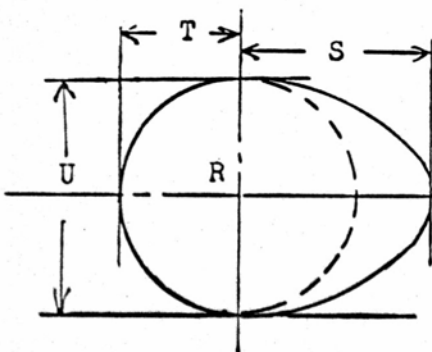
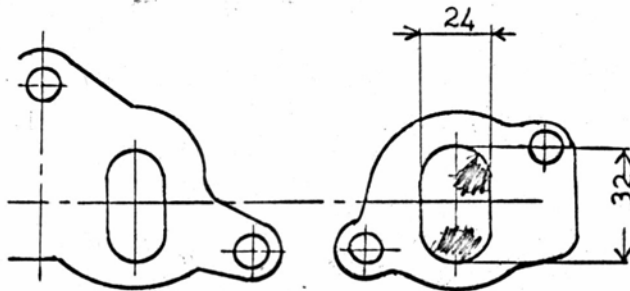
Drawing exhaust manifold ports, side of cylinder-head. Indicate scale or dimensions and manufacturing tolerance.



Dimension; mm

General tolerance +1.2
-0.5

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



R = centre of camshaft.



Inlet cam			
S =	21.5	mm	0.85 inches
T =	15.7	mm	0.62 inches
U =	31.5	mm	1.24 inches
Exhaust cam			
S =	21.5	mm	0.85 inches
T =	15.7	mm	0.62 inches
U =	31.5	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 hereafter.

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>	1225	mm	48.3	inches *
4. Overall length of the car		409	cm	156.9 inches
5. Overall width of the car		153	cm	60.3 inches
6. Overall height of the car		134	cm	53.1 inches
7. <u>Capacity of fuel tank</u> (reserve included)				34 ltrs
	9.0	Gallon US		Gallon Imp.
8. Seating capacity	4			
9. <u>Weight, total weight</u> of the car with normal equipment, water, oil and spare wheel but without fuel nor repair tools:				
	815	kg	1798	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.

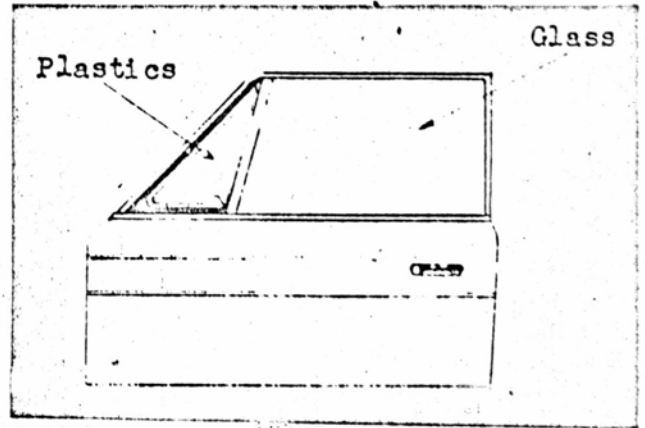
CONVERSION TABLE

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)	



CHASSIS AND COACHWORK (Photographs A, B and C)

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



ACCESSORIES AND UPHOLSTERY

- 38. Interior heating : ~~XXX~~ - no
- 39. Air-conditioning : ~~XXX~~ - no
- 40. Ventilation : ~~XXX~~ - 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 :
7.0 x 2 kg lbs
- 43. Rear seats, type of seats and upholstery **Bench Seat & Vinyl Leather**
- 44. Front bumper, material (s) **Steel** Weight **7.1** kg lbs
- 45. Rear bumper, material (s) **Steel** Weight **7.2** kg lbs

WHEELS

- 50. Type **Pressed Steel**
- 51. Weight (per wheel, without tyre) **5.8 , 6.6** kg lbs
- 52. Method of attachment **4 nuts clamped**
- 53. Rim diameter **329.4** mm **13** inches
- 54. Rim width **114 , 140** mm **4.5 , 5.5** inches

STEERING

- 60. Type **Rack and Pinion**
- 61. Servo-assistance : ~~XXX~~ - no
- 62. Number of turns of steering wheel from lock to lock **3.8**
- 63. In case of servo-assistance



SUSPENSION

- 70. Front suspension (photogr. D), type
- 71. Type of spring
- 72. Stabiliser (if fitted)
- 73. Number of shockabsorbers **2**
- 78. Rear suspension (photogr. E), type
- 79. Type of spring
- 80. Stabiliser (if fitted)
- 81. Number of shockabsorbers **2**

- Independent, Wishbone**
- Torsion bar**
- Torsion bar**
- 74. Type **Telescopic, hydraulic double acting**
- Independent, swing axle type with single radius arm.**
- Coil**
- 82. Type **Telescopic, hydraulic double acting**

BRAKES (photographs F and G)

- 90. Method of operation **Hydraulic**
- 91. Servo-assistance (if fitted), type
- 92. Number of hydraulic master cylinders **1**

- 93. Number of cylinders per wheel
- 94. Bore of wheel cylinder (s)

FRONT			REAR		
	1			1	
	41.28 mm	in.	19.05 mm		in.

- Drum brakes**
- 95. Inside diameter
 - 96. Length of brake linings
 - 97. Width of brake linings
 - 98. Number of shoes per brake
 - 99. Total area per brake

	mm	in.	228.5 mm		in.
	mm	in.	249/219 mm		in.
	mm	in.	35 mm		in.
				2	
	mm ²	sq. in.	16400 mm ²		sq. in.

- Disc brakes**
- 100. Outside diameter
 - 101. Thickness of disc
 - 102. Length of brake linings
 - 103. Width of brake linings
 - 104. Number of pads per brake
 - 105. Total area per brake

	224 mm	in.		mm	in.
	6.5 mm	in.		mm	in.
	95 mm	in.		mm	in.
	40 mm	in.		mm	in.
	2				
	7000 mm ²	sq. in.		mm ²	sq. in.



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Model Contessa 1300 Coupé L

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 **2.80** in. 134. Stroke **79** mm **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 **9.0**
- 143. Volume of one combustion chamber **35.2** 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 / ~~xxxxxx~~
- 148. Type of crankshaft : **integral /**
- 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 **3.0** ltrs **pts** **quarts US**
- 153. Oil cooler : ~~xxx~~ / no
- 154. Method of engine cooling **Water cooled**
- 155. Capacity of cooling system **7.1** ltrs **pints** **quarts US**
- 156. Cooling fan (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, **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**



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 **2**
 184. Type of spring **Coil** 185. Numbr 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) **22° B.T.D.C ± 2.5°**
 188. Valves close at (with tolerance for tappet clearance indicated) **54° A.B.D.C ± 2.5°**
 189. Air filter, type **Dry paper element**

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 **2**
 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) **60° B.B.D.C ± 2.5°**
 203. Valves close at (with tolerance for tappet clearance indicated) **16° A.T.D.C ± 2.5°**

CARBURETION (photograph N)

210. Number of carburettors fitted **2** 211. Type **Horizontal draft,**
 212. Make **HITACHI** 213. Model **Variable Venturi**
 214. Number of mixture passages per carburettor **1** **HJF 38W**
 215. Flange hold diameter of exit port(s) of carburettor **38** mm **in.**
 216. ~~Minimum diameter of carburettor~~ / minimum diam. with piston at maximum height **29.3** 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 HINO

Model Contessa 1300 Coupé L

F. I. A. Rec. No.

ENGINE ACCESSORIES

230. Fuel pump : ~~mechanical~~ / electric
232. Type of ignition system **Contact Braker & 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 **65PS** (type of horsepower: **JIS**) at **5500** rpm
251. Maximum rpm **5800** output at that figure **63PS**
252. Maximum torque **10.0 m-kg** at **3800** rpm
253. Maximum speed of the car **145** km/hour **miles / hour**



Make HINO

Model Contessa 1300 Coupé L

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 **20** cm inches

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

20 cm in.

264. Method of operating clutch **Hydraulic**

GEAR BOX (photograph H)

270. Method of operation **HINO**

271. No. of gear-box ratios forward **4**

272. Synchronized forward ratios **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/ XXXXX			
	Ratio	No. teeth	Ratio	No. teeth	Ratio	No. teeth	Ratio	No. teeth
1	3.70	37/10			3.44	38/11	3.18	35/11
2	2.31	37/16			1.89	34/18	1.89	34/18
3	1.40	35/25			1.37	34/25	1.30	35/27
4	0.97	28/29			1.11	30/27	1.04	29/28
5								
6								
reverse	3.09	34/11			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**

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**



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 and N.

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.



Export model

Ratio	Alternative manual/ No. teeth	Ratio Ratio	No. teeth
3.18	35/11		
1.73	33/19		
1.24	36/29		
0.97	28/29		
3.09	34/11		

← Optional gearbox

Make HINO

Model Contessa 1300 Coupé L

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

Chairman

of Technical Subcommission



Osamu Hirao