

F.I.A. Recognition No. 5132
Group 1 Series Production Touring



ROYAL AUTOMOBILE CLUB

31, Belgrave Square, London, S.W.1

Form of recognition in accordance with appendix J to the International Sporting Code of the
FEDERATION INTERNATIONALE DE L'AUTOMOBILE

Manufacturer Ford Motor Company Ltd. Cylinder-capacity 1297 cm.³ 79.1 in.³
Serial No. of chassis/body BA92FB55061 Model Cortina de Luxe 1300 (RHD or LHD)
Serial No. of engine 6HE 181 (2 & 4 door) Manufacturer Ford
Recognition is valid from 1st Jan. 1966 Manufacturer Ford
The manufacturing of the model described in this recognition form started on September 1st, 66 List 15/2
and the minimum production of 5000 identical cars, in accordance with the specifications of
this form was reached on October 1st 1966

Photograph A, $\frac{3}{4}$ view of car from front



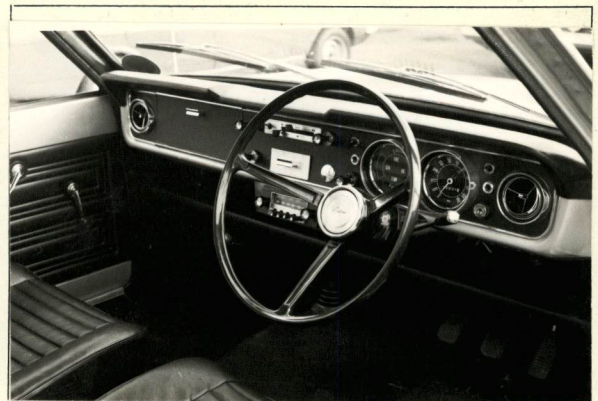
F.I.A. Stamp



B



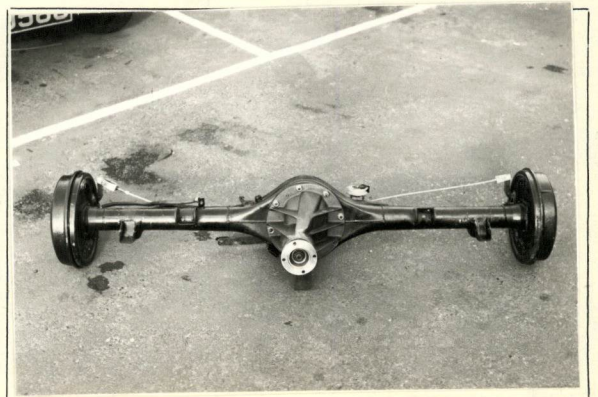
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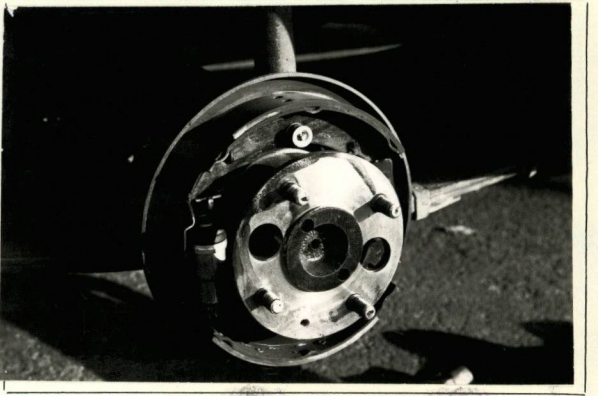
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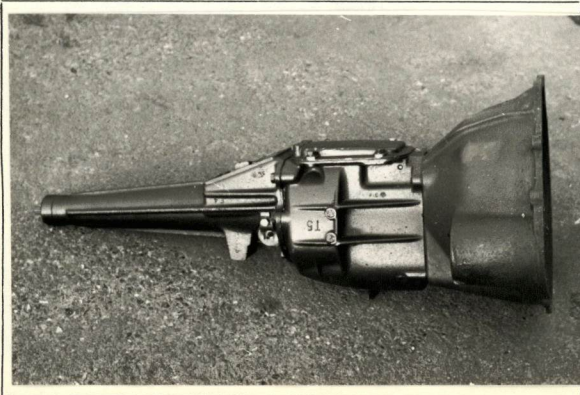
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G



H



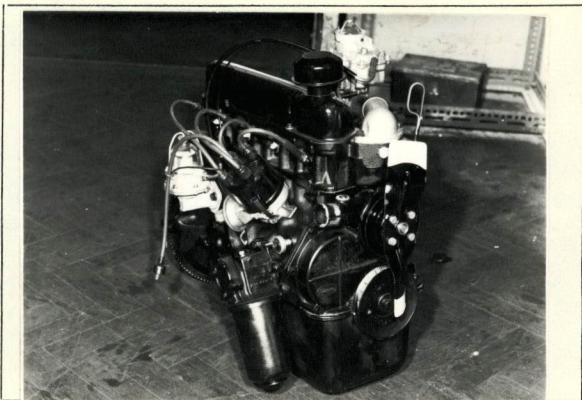
I



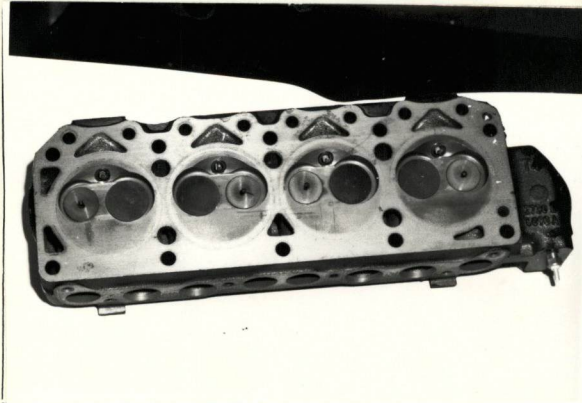
J



K



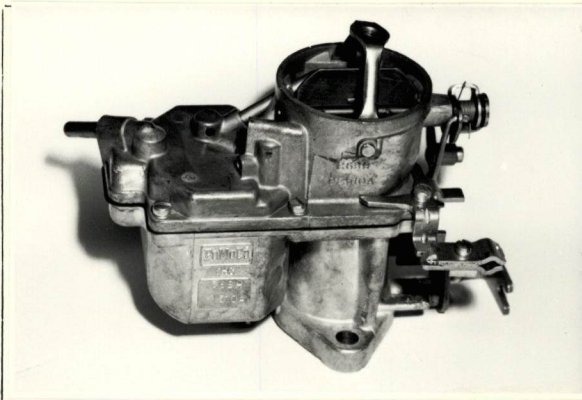
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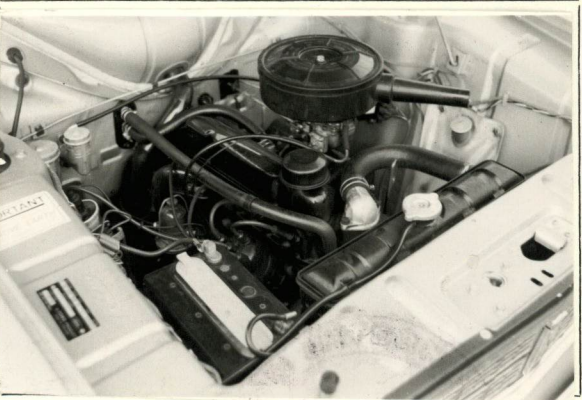
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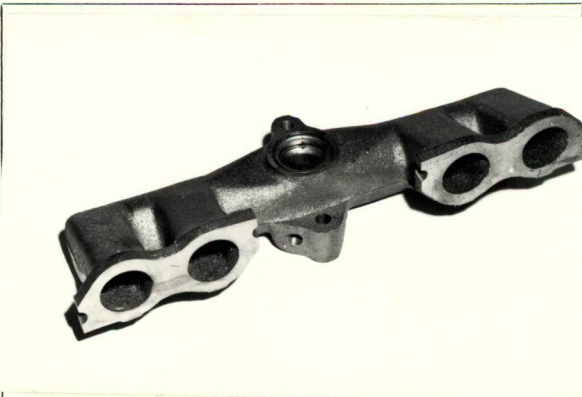
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O



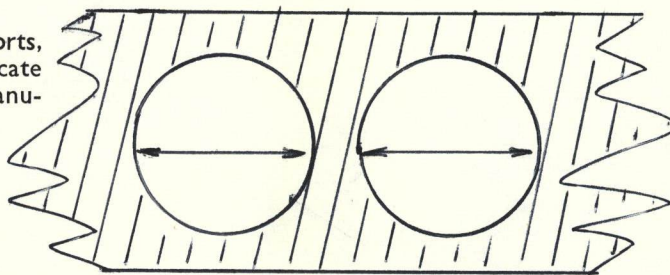
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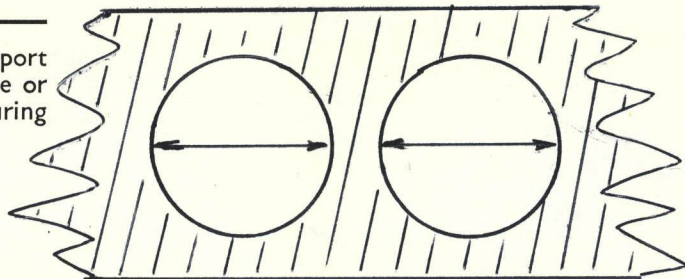


Drawing inlet manifold ports, side of cylinderhead. Indicate scale or dimensions and manufacturing tolerance.



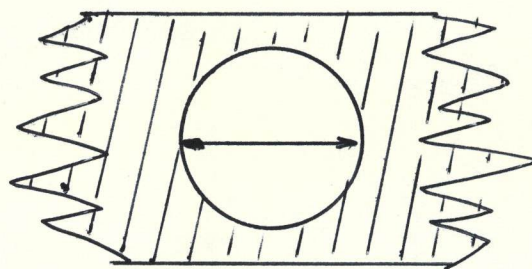
1.120"
28.44 m.m.

Drawing of entrance to inlet port of cylinderhead. Indicate scale or dimensions and manufacturing tolerance.



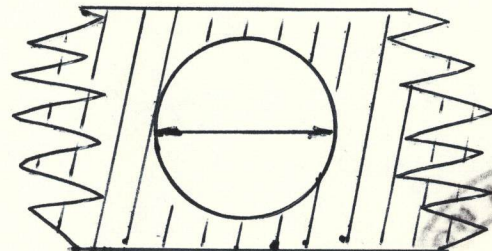
1.120"
28.44 m.m.

Drawing of exhaust manifold ports, side of cylinderhead. Indicate scale or dimensions and manufacturing tolerance.



1.13"
28.7 m.m.

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



1.146"
29.075 m.m.

± .030"



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NOTE 1.

All dimensions must be given in two measuring systems, see Note 3.

CAPACITIES AND DIMENSIONS

1. Wheelbase	1357 mm.	248.9 mm	98.0 inches
2. Front track	53.9 inches	1320 mm.	52.0 inches
3. Rear track	± 1.0"		± 1.0"

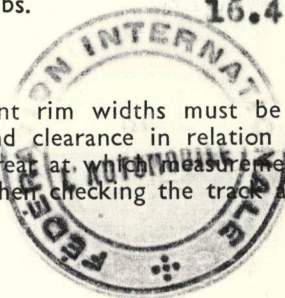
Measurement from rocker panel jacking points to road
Front: 7.5" 19.08 c.m.
 See Note 2
Rear: 7.75" 19.7 c.m.



4. Overall length of the car	426.7 cm.	168.0 inches	
5. Overall width of the car	164.8 cm.	64.9 inches	
6. Overall height of the car	146.0 cm.	57.5 inches	
7. Capacity of fuel tank (reserve included)	45.5 ltrs.	12 gall. U.S.	10 gall. Imp.
8. Seating Capacity.			
9. Weight. Total weight of the car with normal equipment, water, oil, and spare wheel but without fuel or repair tools:			
2 Door	798 kg.	1761 lbs.	15.70 cwts.
4 Door	835 kg.	1840 lbs.	16.4 cwts.

NOTE 2.

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 recognisable 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.



NOTE 3.

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 sq. 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.

Make **Ford**

Model **Cortina De Luxe**
1300

F.I.A. Rec. No.

CHASSIS AND COACHWORK (Photographs A, B and C)

- 20. Chassis/body construction: ~~space~~/unitary construction
- 21. Unitary construction, material(s) **Steel**
- 22. Separate construction, Material(s) of chassis **N/A**
- 23. Material(s) of coachwork **Steel**
- 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 **Toughened glass**
- 28. Material(s) of windscreen **Toughened or laminated glass**
- 29. Material(s) of front-door windows **Toughened glass**
- 30. Material(s) of rear-door windows **Toughened glass**
- 31. Sliding system of door windows **Rotating interior door handle**
- 32. Material(s) of rear-quarter light **Toughened glass**

ACCESSORIES AND UPHOLSTERY

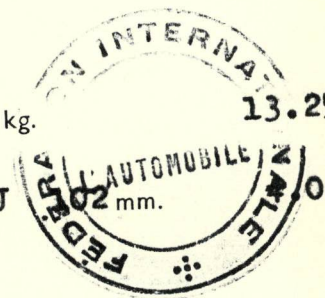
- 38. Interior heating : ~~yes~~ **Optional**
- 39. Air conditioning : ~~yes~~ **no**
- 40. Ventilation : ~~yes~~ **no**
- 41. Front seats, type of seat and upholstery **PVC or leather**
- 42. Weight of front seat(s), complete with supports and rails, out of the car : **7.95 kg.** **17.5 lbs.**
- 43. Rear seats, type of seat and upholstery **PVC or leather**
- 44. Front bumper, material(s) **Steel** Weight **2.6 kg.** **5.75 lbs.**
- 45. Rear bumper, material(s) **Steel** Weight **2.5 kg.** **5.35 lbs.**

WHEELS

- 50. Type **Pressed steel disc**
- 51. Weight (per wheel, without tyre) **4 'J'** **6.0 kg.** **13.25 lbs.**
- 52. Method of attachment **Four studs & nuts**
- 53. Rim diameter **330 mm.** **13.0 ins.**
- 54. Rim width **4 J** **2 mm.** **0 ins.**

STEERING

- 60. Type **Recirculating ball**
- 61. Servo-assistance : ~~yes~~ **no** **3.0**
- 62. Number of turns of steering wheel from lock to lock
- 63. In case of servo-assistance **N/A**



1300

SUSPENSION

- 70. Front suspension (photograph D), type **Independent McPherson with torque reaction stabilizer bar**
- 71. Type of spring **coil**
- 72. Stabiliser (if fitted) **Intergrated with lower arms to McPherson strut**
- 73. Number of shock absorbers **2**
- 74. Type **Integral with McPherson strut telescopic double acting**
- 78. Rear suspension (photograph E), type **Hotchkiss drive**
- 79. Type of spring **Multi leaf semi elliptic**
- 80. Stabiliser (if fitted) **None**
- 81. Number of shock absorbers **2**
- 82. Type **Telescopic double acting**

BRAKES (photographs F and G)

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

	FRONT 2	REAR 1
93. Number of cylinders per wheel		
94. Bore of wheel cylinder(s)	47.6mm. 1.875 inches	17.78mm. 0.7 inches

Drum Brakes

95. Inside diameter	mm.	inches	203.3mm.	8.00 inches
96. Length of brake linings	mm.	inches	158.8mm.	6.25 inches
97. Width of brake linings	mm.	inches	38.1mm.	1.5 inches
98. Number of shoes per brake			2	
99. Total area per brake	mm. ²	sq. in.	12460.0 mm. ²	19.28 sq. in.

Disc Brakes

100. Outside diameter	241.5	mm.	9.5	inches	mm.	inches
101. Thickness of disc	9.565	mm.	.380	inches	mm.	inches
102. Length of brake linings	60.3	mm.	2.375	inches	mm.	inches
103. Width of brake linings	49.7	mm.	1.975	inches	mm.	inches
104. Number of pads per brake	*		2			
105. Total area per brake	6000.0	mm. ²	9.3	sq. in.	mm. ²	sq. in.

* **Nominal**



1300

ENGINE (photographs J and K)

130. Cycle **Four stroke**
131. Number of cylinders **4**
132. Cylinder Arrangement **in line**
133. Bore **80.976** mm. **3.1878** in.
134. Stroke **62.99** mm. **2.48.0** in.
135. Capacity per cylinder **324.25** cm.³ **19.8** cu. in.
136. Total cylinder capacity **1297** cm.³ **79.1** cu. in.
137. Material(s) of cylinder block **Cast iron**
138. Material(s) of sleeves (if fitted) **None**
139. Cylinder head, material(s) **Cast iron** Number fitted **1**
140. Number of inlet ports **4**
141. Number of exhaust ports **4**
142. Compression ratio **9.8:1 ± .5**
143. Volume of one combustion chamber **33.0cc** cm.³ **2.14** 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 **38.82** mm. **1.530** in.
147. Crankshaft : moulded ~~XXXXX~~
148. Type of crankshaft: integral/..... **Cast with balance weight**
149. Number of crankshaft main bearings **5**
150. Material of bearing cap **Cast iron**
151. System of lubrication : ~~XXXXX~~ oil in sump
152. Capacity, lubricant **3.2** ltrs. **5.5** pts. **6.6** ~~XXXX~~ pints quarts U.S.
153. Oil cooler : ~~XXX~~ **Optional**
154. Method of engine cooling **Water and fan**
155. Capacity of cooling system **with heater** ltrs. **10.2** pts. **12.2** ~~XXXX~~ pints quarts U.S.
156. Cooling fan (if fitted) dia. **without** **5.8** **8.8** **10.7** **27.94** cm. **11.0** in.
157. Number of blades of cooling fan **2 and 4**
- Bearings**
158. Crankshaft main, type **Steel back, copper lead or lead bronze** dia. **53.993** m.m. **2.1257** in.
159. Connecting rod big end, type **Aluminium, tin copper, lead or bronze** dia. **49.205** m.m. **1.9372** in.
- Weights**
160. Flywheel (clean) **11.78** kg. **26** lbs.
161. Flywheel with clutch (all turning parts) **16.33** kg. **36** lbs.
162. Crankshaft **10.15** kg. **22.3** lbs.
163. Connecting rod **.56** kg. **1.23** lbs.
164. Piston with rings and pin **.5191** kg. **1.145** lbs.



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FOUR STROKE ENGINES

170. Number of camshafts 1 171. Location in cylinder block
 172. Type of camshaft drive chain drive
 173. Type of valve operation push rod and rocker

INLET (see page 4)*

180. Material(s) of inlet manifold Cast iron
 181. Diameter of valves 36.45 mm. 1.437 ins.
 182. Max. valve lift 8.00 mm. .3150 in. 183. Number of valve springs 1
 184. Type of spring Helical coil 185. Number of valves per cylinder 1
 186. Tappet clearance for checking timing (cold) 0.208 mm. .008 ins.
 187. Valves open at (with tolerance for tappet clearance indicated) 17° B.T.D.C.
 188. Valves close at (with tolerance for tappet clearance indicated) 51° A.B.D.C.
 189. Air filter, type Paper element

EXHAUST (see page 4)*

195. Material(s) of exhaust manifold Cast iron
 196. Diameter of valves 30.75 mm. 1.188 ins.
 197. Max. valve lift 8.10 mm. .3190 in. 198. Number of valve springs 1
 199. Type of spring Helical coil 200. Number of valves per cylinder 1
 201. Tappet clearance for checking timing (cold) 0.462 mm. .018 ins.
 202. Valves open at (with tolerance for tappet clearance indicated) 51° B.B.D.C.
 203. Valves close at (with tolerance for tappet clearance indicated) 17° A.T.D.C.

CARBURETION (photograph N)

210. Number of carburettors fitted 1 211. Type Single Venturi downdraught
 212. Make Ford 213. Model G.P.D.
 214. Number of mixture passages per carburettor 1
 215. Flange hole diameter of exit port(s) of carburettor 34.05 mm. 1.34 ins.
 216. Minimum diameter of venturi/minimum diam., with piston at maximum height (example : SU)
24.13 mm. 0.95 ins.

INJECTION (if fitted)

220. Make of pump N/A 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 _____ ins.



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

Make **Ford**

Model **Cortina de Luxe**
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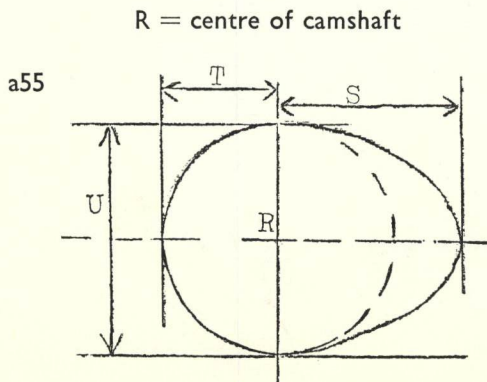
F.I.A. Rec. No.

ENGINE ACCESSORIES

- 230. Fuel pump : mechanical and/or electrical
- 231. No. fitted **1**
- 232. Type of ignition system **coil**
- 233. No. of distributors **1**
- 234. No. of ignition coils **1**
- 235. No. of spark plugs per cylinder **1**
- 236. Generator, type : dynamo/alternator—number fitted **1**
- 237. Method of drive **Belt**
- 238. Voltage of generator **12** volts
- 239. Battery, number **1**
- 240. Location **Engine compartment**
- 241. Voltage of battery **12** volts

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

- 250. Max. engine output **57.5** (type of horsepower: **B.H.P.**) at **5000** r.p.m.
- 251. Max. r.p.m. **6000** output at that figure **55 B.H.P.**
- 252. Max. torque **74.5 lb.ft.** at **2500** r.p.m.
- 253. Max. speed of the car **Not declared by manufacturer in catalogue**
km./hour miles/hour



Inlet cam

- S = **19.64**
- T = **14.28**
- U = **28.58**

- mm. **.7725** inches
- mm. **.5625** inches
- mm. **1.125** inches

Exhaust cam

- S = **19.38**
- T = **14.15**
- U = **28.34**

- mm. **.7635** inches
- mm. **.5575** inches
- mm. **1.115** inches



Make **Ford**

Model **Cortina de Luxe**
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F.I.A. Rec. No.

DRIVE TRAIN

CLUTCH

- 260. Type of clutch **Diaphragm**
- 261. No. of plates **1**
- 262. Dia. of clutch plates **19.05** cm. **7.5** ins.
- 263. Dia. of linings, inside **11.05** cm. **4.350** ins.
- outside **19.05** cm. **7.5** ins.
- 264. Method of operating clutch **Hydraulic**

GEAR BOX (photograph H)

- 270. Manual type, make **Ford** Method of operation **Direct floor control**
- 271. No. of gear-box ratios forward **4**
- 272. Synchronized forward ratios **4**
- 273. Location of gear-shift **Central floor shift**
- 274. Automatic, make **N/A** type **N/A**
- 275. No. of forward ratios **N/A**
- 276. Location of gear shift **N/A**

277.	Manual		Automatic		Alternative manual/automatic			
	Ratio	No. teeth	Ratio	No. teeth	Ratio	No. teeth	Ratio	No. teeth
1	3.543	$\frac{32}{17} \times \frac{32}{17}$			3.543	$\frac{32}{17} \times \frac{32}{17}$		
2	2.596	$\frac{32}{17} \times \frac{28}{22}$			2.04	$\frac{32}{17} \times \frac{26}{24}$		
3	1.412	$\frac{32}{17} \times \frac{21}{28}$			1.412	$\frac{32}{17} \times \frac{21}{28}$		
4								
5	1.000	Direct			1.000	Direct		
6								
reverse	3.963	$\frac{32}{17} \times \frac{40}{19}$			Rev	$\frac{32}{12} \times \frac{40}{22}$		

- 278. Overdrive, type **N/A**
- 279. Forward gears on which overdrive can be selected **N/A**
- 280. Overdrive ratio **N/A**

FINAL DRIVE

- 290. Type of final drive **Semi floating hypoid** Type of differential **Two pinion**
- 292. Type of limited slip differential (if fitted)
- 293. Final drive ratio **4.125:1 4.44:1** Number of teeth **33/8 40/9**



Make **Ford**

Model **Cortina de Luxe** F.I.A. Rec. No.

1300

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, 250, 251, 252, 253, 255 photographs I, M and N and page 4.

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.

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

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.....

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

Manufacturing Tolerances:

1. For all machined surfaces allow 0.75%
2. For all non machined surfaces allow 2%
3. For weights of all part machined parts allow 2.5%
4. For weights of all completely machined parts allow 1.25%

PROGRAMME OF ALTERNATIVES

GROUP II

Item 6 only to be used with item 7.





MOTOR SPORT DIVISION
The Royal Automobile Club,
31 Belgrave Square, London, S.W.1

FORD
Manufacturer **CORTINA DE LUXE** 1300
Model.....
F.I.A. Recognition No. 5132
Amendment No. 1

Amendment to Form of Recognition

FEDERATION INTERNATIONALE DE L'AUTOMOBILE **CORTINA DE LUXE GROUP II**

No. Reference No. The following alternatives are available for the Cortina de Luxe and have been fitted to the car at an excess of 5000 p.a.

1. .. Oil Bath Air Filter Part No: 9600

2. .. Final Drive Ratio 4.7:1 No. of teeth: 33/7

3. 277 Gear Ratio

1.	2.97	$\frac{30}{19} \times \frac{32}{17}$
2.	2.01	$\frac{30}{19} \times \frac{28}{22}$
3.	1.40	$\frac{30}{19} \times \frac{23}{26}$
4.	Direct	

Reverse 3.324 $\frac{30}{19} \times \frac{40}{22}$ Via 19

4. 50

Wheels

Rim width: 114.5 mm 4.5 ins 4½ x 13 ins
Weight per wheel 6.5 kg. 14.0 lbs.

When these wheels are fitted the track is increased 1.0 ins or 25.4 mm

5. 70

Heavy Duty Front Suspension

Part Nos: 118E-5434G
118E-5432L



Hubert Schwandt

Date amendment is valid from 11 Jan 1967

Stamp of F.I.A./R.A.C.



MOTOR SPORT DIVISION
The Royal Automobile Club,
31 Belgrave Square, London, S.W.1

Manufacturer FORD
Model CORTINA DE LUXE
F.I.A. Recognition No. 5132
Amendment No. _____

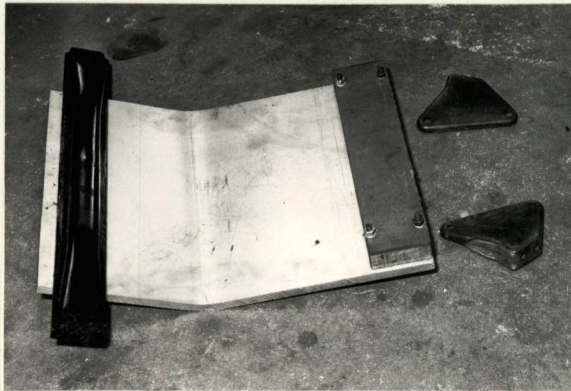
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Amendment to Form of Recognition

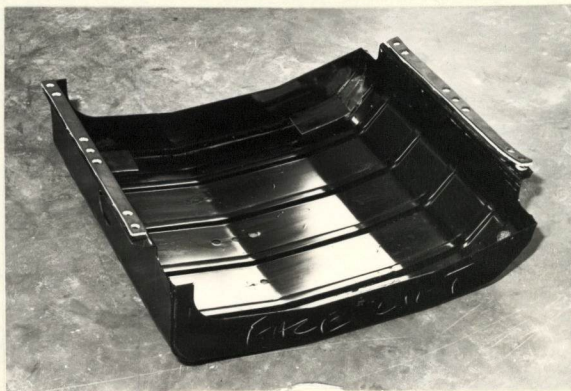
FEDERATION INTERNATIONALE DE L'AUTOMOBILE

No. Reference No. CORTINA DE LUXE GROUP II

6. .. Front Dural underbody shield Part No. CD 6775-B



7. .. Fuel Tank Shield Part No: E915-T-1



Date amendment is valid from 1st Jan. 1969.

Robert Schmitt
Stamp of F.I.A./R.A.C.