

F.I.A. Recognition No. .... 5185

Group ..... I

*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	..... cm. <sup>3</sup> .....	..... in. <sup>3</sup> .....
Serial No. of chassis/body	..... BA97GS 57287 .....	Model	..... CORTINA 1600 G.T. (RHD or LHD)	
Serial No. of engine	..... 7J58 .....	Manufacturer	..... FORD .....	
Recognition is valid from	..... <i>1st Jan. 1968</i> .....	Manufacturer	..... FORD .....	
The manufacturing of the model described in this recognition form started on	..... <i>1st July</i> .....	List	..... <i>1968/1</i> .....	
and the minimum production of	..... 5000 .....		..... 19 67 .....	
this form was reached on	..... <i>30th November</i> .....		..... 19 67 .....	

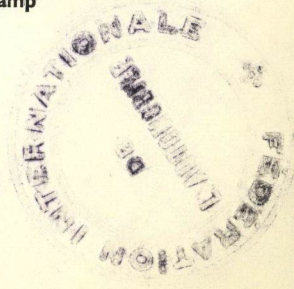
Photograph A, ¾ view of car from front



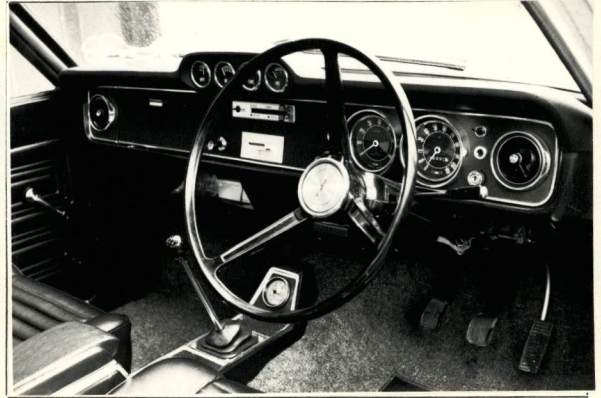
F.I.A. Stamp

*Hubert Schreyer*

R.A.C. Stamp

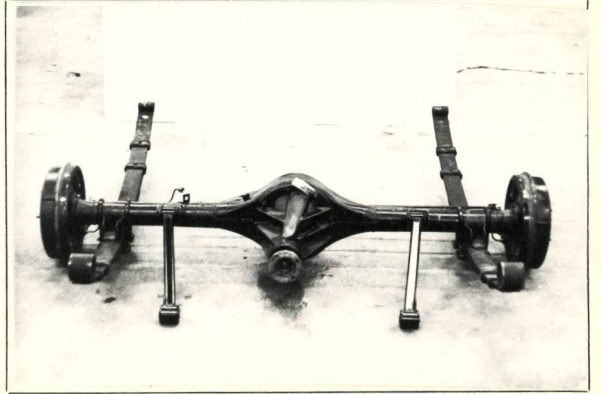
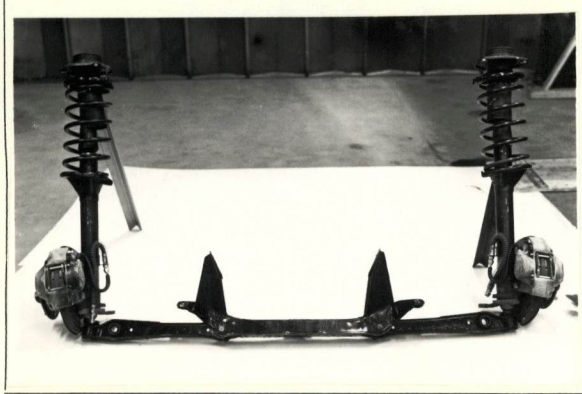


B



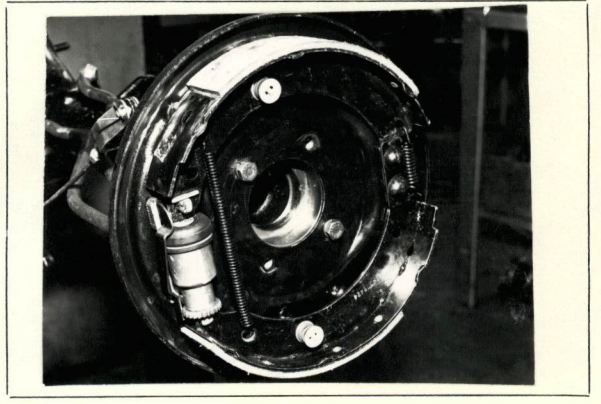
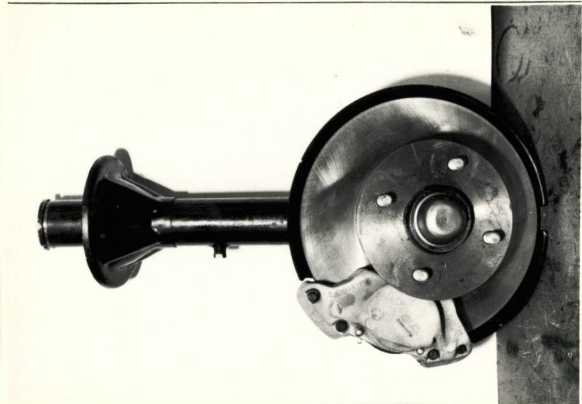
C

D



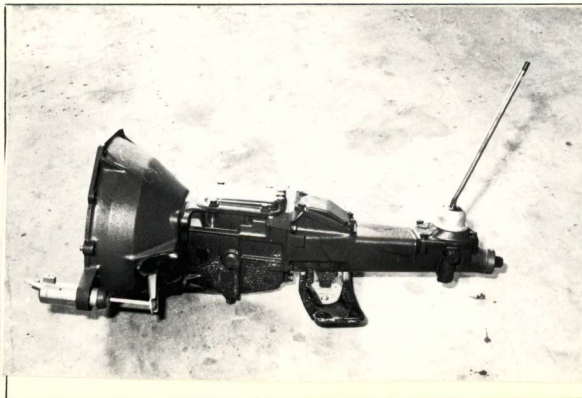
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F



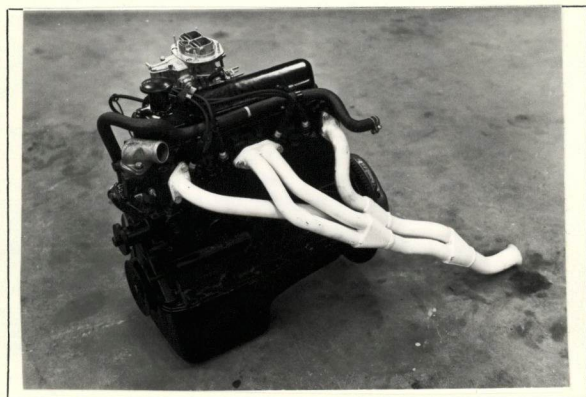
G

H

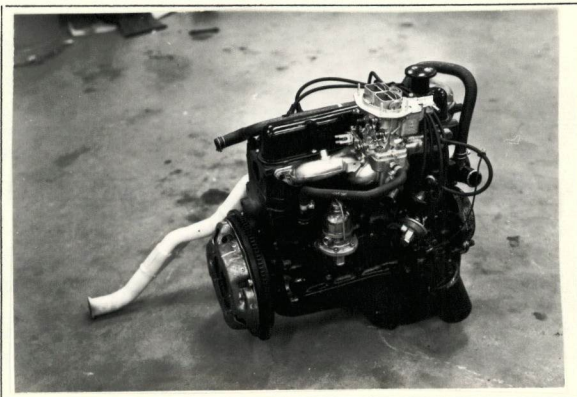


I

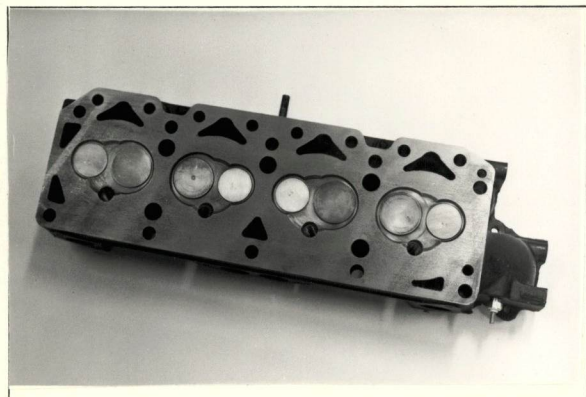
J



K



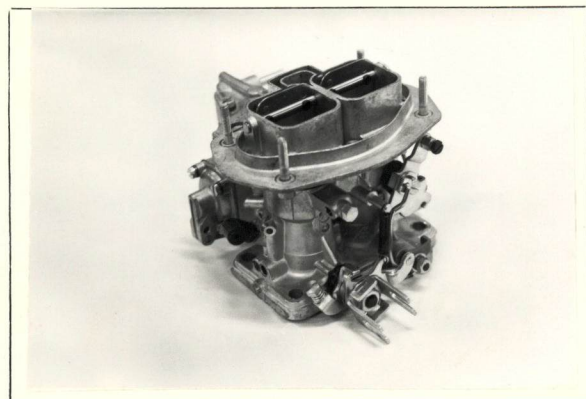
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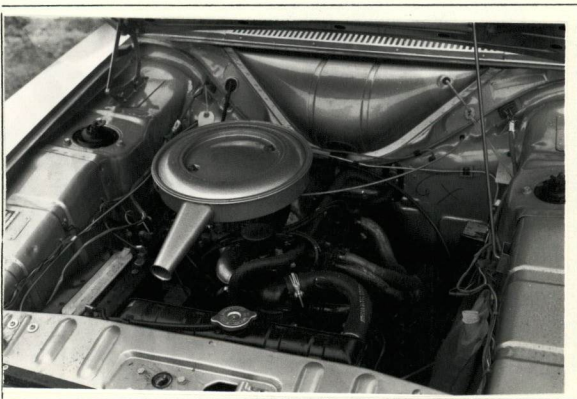
M



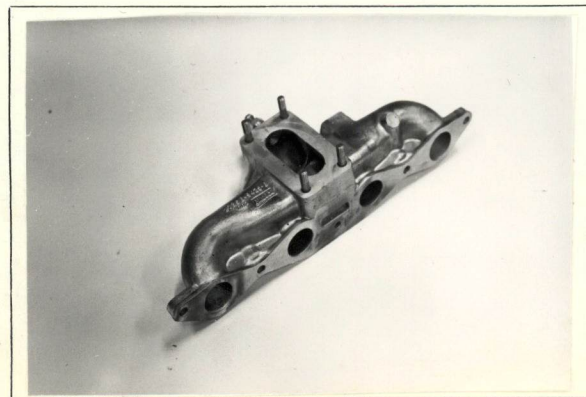
N



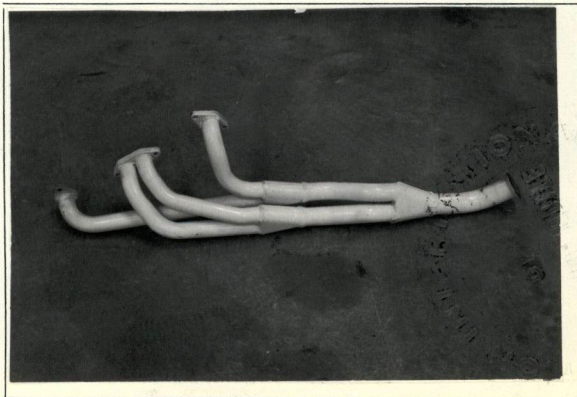
O



P

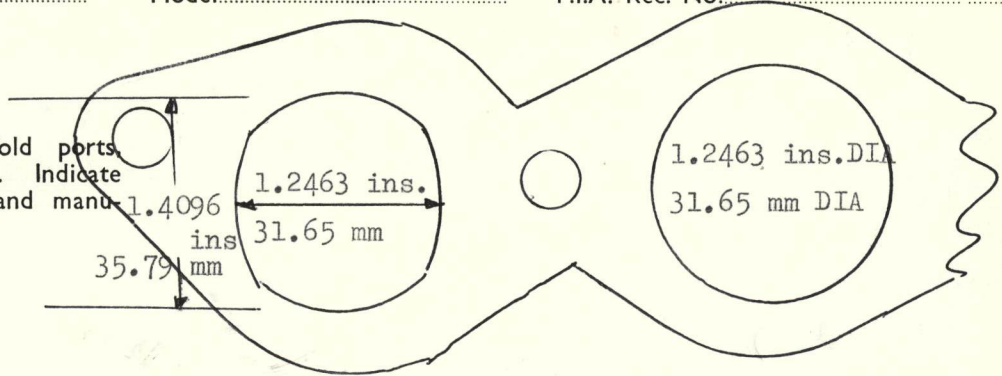


Q

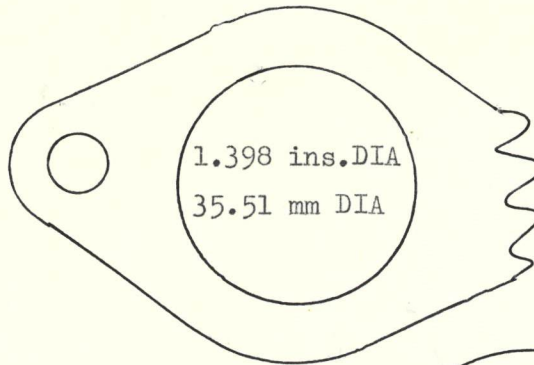


Dia. of outlet pipe = 1.531 ins.  
38.898 mm.

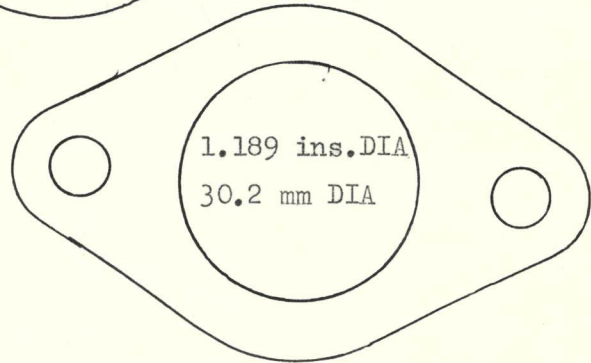
Drawing inlet manifold ports side of cylinderhead. Indicate scale or dimensions and manufacturing tolerance.



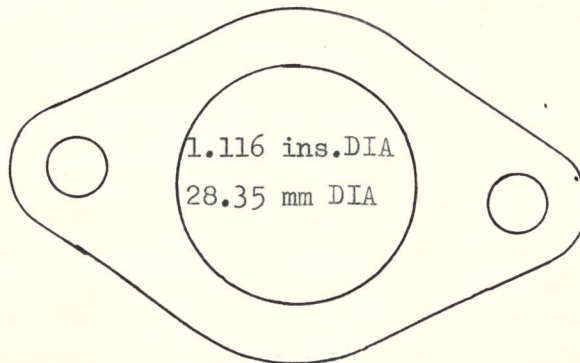
Drawing of entrance to inlet port of cylinderhead. Indicate scale or dimensions and manufacturing tolerance.



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



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



± 30 thou.



**NOTE 1.**

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

**CAPACITIES AND DIMENSIONS**

- |                                |          |       |        |        |
|--------------------------------|----------|-------|--------|--------|
| 1. Wheelbase                   | 2495.35  | mm.   | 98.25  | inches |
| 2. Front track $\pm$ 25.4 m.m. | 1.00ins. |       |        |        |
| 1390.65                        | mm.      | 54.75 | inches |        |
| 3. Rear track $\pm$ 25.4 m.m.  | 1.00ins  |       |        |        |
| 1352.55                        | mm.      | 53.25 | inches |        |

Measurement from rocker panel to road

FRONT

8.625 ins

See Note 2

219.075 m.m.

REAR

9.5625 ins

242.888 m.m.



- |  |        |       |       |            |
|--|--------|-------|-------|------------|
| 4. Overall length of the car   | 426.72 | cm.   | 168.0 | inches     |
| 5. Overall width of the car  | 164.87 | cm.   | 64.9  | inches     |
| 6. Overall height of the car   | 136.92 | cm.   | 53.9  | inches     |
| 7. Capacity of fuel tank (reserve included)  |        |       |       |            |
|  | 45.46  | ltrs. | 12.0  | gall. U.S. |
|  |        |       |       | 10.0       |
|  |        |       |       | gall. Imp. |
| 8. Seating Capacity.   | 4      |       |       |            |
| 9. Weight. Total weight of the car with normal equipment, water, oil, and spare wheel but without fuel or repair tools : |        |       |       |            |

4 door	845	kg.	1860	lbs.	16.6	cwts.
2 door	816	kg.	1800	lbs.	16.1	cwts.

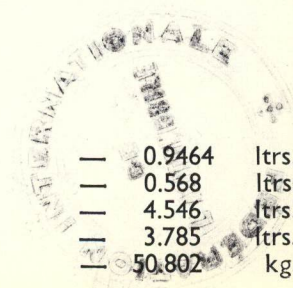
**NOTE 2.**

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. <sup>2</sup>	1 gallon Imp.	—	4.546	ltrs.
1 cubic inch/pouce cube	—	16.387	cm. <sup>3</sup>	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
- 22. Separate construction, Material(s) of chassis STEEL
- 23. Material(s) of coachwork STEEL
- 24. Number of doors<sup>2 or 4</sup> 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 LAMINATED OR TOUGHENED 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 HANDLES
- 32. Material(s) of rear-quarter light N/A

**ACCESSORIES AND UPHOLSTERY**

- 38. Interior heating : ~~yes~~~~no~~ OPTIONAL
- 39. Air conditioning : ~~yes~~ — no
- 40. Ventilation : yes — ~~no~~
- 41. Front seats, type of seat and upholstery PVC
- 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
- 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 'J' RIM SECTION 4 $\frac{1}{2}$ J
- 51. Weight (per wheel, without tyre) 5.94 kg. 13 lbs. 2oz.
- 52. Method of attachment 4 TAPER NUTS FIXING
- 53. Rim diameter 330.2 mm. 13.0 ins. 54. Rim width 114.3 mm. 4.5 ins.

**STEERING**

- 60. Type RECIRCULATORY BALL
- 61. Servo-assistance : ~~yes~~ — no
- 62. Number of turns of steering wheel from lock to lock 3
- 63. In case of servo-assistance N/A



**SUSPENSION**

- 70. Front suspension (photograph D), type Independent McPherson combined with troque reactor and stabilizer bar.
- 71. Type of spring Coil
- 72. Stabiliser (if fitted) Integral with lower arms
- 73. Number of shock absorbers 2
- 74. Type Integral suspension leg, telescopic double acting.
- 78. Rear suspension (photograph E), type Hotchkiss drive
- 79. Type of spring Multi-leaf demi elliptic
- 80. Stabiliser (if fitted) Trailing links
- 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 N/A
- 92. Number of hydraulic master cylinders Single or dual

		<b>FRONT</b>	<b>REAR</b>
93. Number of cylinders per wheel	2		
94. Bore of wheel cylinder(s)	54.0	mm. 2.126 inches	19.05 mm. 0.75 inches

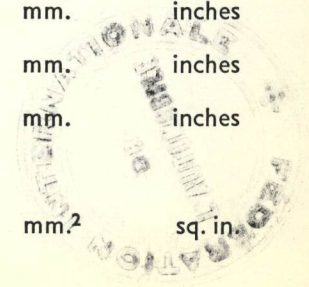
**Drum Brakes**

95. Inside diameter		mm. inches	228.6 mm. 9.00 inches
96. Length of brake linings		mm. inches	218.9 mm. 8.62 inches
97. Width of brake linings		mm. inches	44.45 mm. 1.75 inches
98. Number of shoes per brake			
99. Total area per brake		mm. <sup>2</sup> sq. in.	194.64mm. <sup>2</sup> 30.17sq. in.

**Disc Brakes**

100. Outside diameter	232.88	mm. 9.6 inches	mm. inches
101. Thickness of disc	12.7	mm. .500 inches	mm. inches
102. Length of brake linings	76.2	mm. 3.0 inches	mm. inches
103. Width of brake linings	53.34	mm. 2.1 inches	mm. inches
104. Number of pads per brake	2		
105. Total area per brake	* 6670	mm. <sup>2</sup> 10.34 sq. in.	mm. <sup>2</sup> sq. in.

\*nominal



**ENGINE** (photographs J and K)

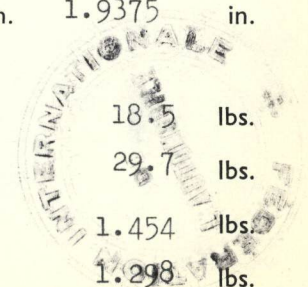
- |   |                        |   |  |
|---|------------------------|---|--|
| 130. Cycle  | Four stroke            | 131. Number of cylinders                | 4                                      |
| 132. Cylinder Arrangement   | In line                |   |  |
| 133. Bore   | 81.026 mm. 3.1881 in.  | 134. Stroke                             | 77.62288 mm. 3.0560 in.                |
| 135. Capacity per cylinder  |                        |   | 399.924 cm. <sup>3</sup> 24.2 cu. in.  |
| 136. Total cylinder capacity  |                        |   | 1599.696 cm. <sup>3</sup> 97.6 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  | 9.0:1                  |   |  |
| 143. Volume of one combustion chamber                                       |                        |   | 49.31 cm. <sup>3</sup> 3.015 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 |                        |   | 44.07 mm. 1.73775 in.                  |
| 147. Crankshaft : moulded/ <del>stamped</del>                               |                        | 148. Type of crankshaft: integral/..... | Cast with balance weights              |
| 149. Number of crankshaft main bearings                                     | 5                      |   |  |
| 150. Material of bearing cap  | Cast iron              |   |  |
| 151. System of lubrication : <del>dry sump</del> /oil in sump               |                        |   |  |
| 152. Capacity, lubricant  | 4.09 ltrs. 7.2 pts.    |   | 4.32 quarts U.S.                       |
| 153. Oil cooler : <del>yes/no</del> OPTIONAL                                |                        | 154. Method of engine cooling           | water and fan                          |
| 155. Capacity of cooling system   | 5.96 ltrs. 10.5 pts.   |   | 6.3 quarts U.S.                        |
|   | with heater 7.096 12.5 |   | 7.49                                   |
| 156. Cooling fan (if fitted) dia.   |                        |   | 27.94 cm. 11.00 in.                    |
| 157. Number of blades of cooling fan  | 1 or 2                 |   |  |

**Bearings**

- |                                   |  |      |         |      |        |     |
|-----------------------------------|--|------|---------|------|--------|-----|
| 158. Crankshaft main, type        | Steel back copper lead or lead bronze. | dia. | 54.1998 | m.m. | 2.126  | in. |
| 159. Connecting rod big end, type | Aluminium tin copper lead or bronze.   | dia. | 49.206  | m.m. | 1.9375 | in. |

**Weights**

- |   |        |     |       |      |                     |      |     |       |      |
|---|--------|-----|-------|------|---------------------|------|-----|-------|------|
| 160. Flywheel (clean)                         |        |     | 8.392 | kg.  | 18.5                | lbs. |     |       |      |
| 161. Flywheel with clutch (all turning parts) |        |     | 13.5  | kg.  | 29.7                | lbs. |     |       |      |
| 162. Crankshaft                               | 10.886 | kg. | 24    | lbs. | 163. Connecting rod | .661 | kg. | 1.454 | lbs. |
| 164. Piston with rings and pin                |        |     | .59   | kg.  | 1.298               | lbs. |     |       |      |





**FOUR STROKE ENGINES**

170. Number of camshafts 1 171. Location Cylinder block  
 172. Type of camshaft drive Chain  
 173. Type of valve operation Push rod and tappet

**INLET** (see page 4)\*

180. Material(s) of inlet manifold Aluminium alloy  
 181. Diameter of valves 38.1508 mm. 1.502 ins.  
 182. Max. valve lift 8.56 mm. 0.337 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) 0.41 mm. 0.016 ins.  
 187. Valves open at (with tolerance for tappet clearance indicated) T.C. 0.016 in (0.41mm) 27deg BTDC  
 188. Valves close at (with tolerance for tappet clearance indicated) T.C. 0.016 in (0.41mm) 65deg ABDC  
 189. Air filter, type Paper element

**EXHAUST** (see page 4)\*

195. Material(s) of exhaust manifold STEEL  
 196. Diameter of valves 31.67396 mm. 1.2474 ins.  
 197. Max. valve lift 8.00 mm. 0.315 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) 0.66 mm. 0.026 ins.  
 202. Valves open at (with tolerance for tappet clearance indicated) T.C. 0.026"(0.66mm) 65deg BBDC  
 203. Valves close at (with tolerance for tappet clearance indicated) T.C. 0.026"(0.66mm) 27deg ATDC

**CARBURETION** (photograph N)

210. Number of carburettors fitted 1 211. Type Progressive twin choke  
 212. Make Weber 213. Model 32 DFM  
 214. Number of mixture passages per carburettor 2  
 215. Flange hole diameter of exit port(s) of carburettor (32) 31.95828 mm. 1.2582 ins.  
 216. Minimum diameter of venturi/minimum diam., with piston at maximum height (example : SU)  
 26/27 mm. 1.02/1.06 ins.

**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. ins.

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



Make FORD

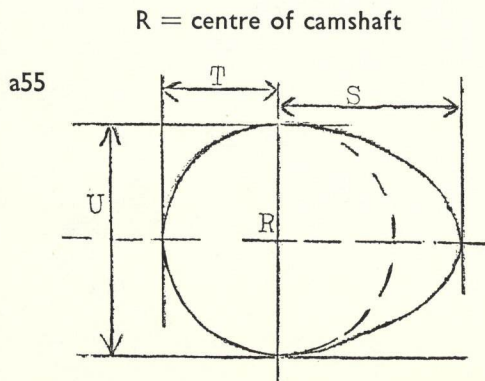
Model CORTINA 1600 G.T.F.I.A. Rec. No.

**ENGINE ACCESSORIES**

230. Fuel pump : mechanical ~~and/or electrical~~ or electrical
231. No. fitted 1
232. Type of ignition system Battery & coil\* 233. No. of distributors 1
234. No. of ignition coils 1 or alternator 235. No. of spark plugs per cylinder 1
236. Generator, type : dynamo ~~/alternator—number~~ fitted \*6v coil used with ballast resistor system
237. Method of drive Fan belt
238. Voltage of generator 12 volts
239. Battery, number 1
240. Location (Domestic) Engine compartment (Export) Boot compartment
241. Voltage of battery 12 volts

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

250. Max. engine output 92 (type of horsepower: BHP ) at 5,400 r.p.m.
251. Max. r.p.m. 6000 output at that figure 90 BHP
252. Max. torque 101.5 lbs/ft at 3,600 r.p.m.
253. Max. speed of the car km./hour miles/hour  
not declared by manufacturer in catalogue

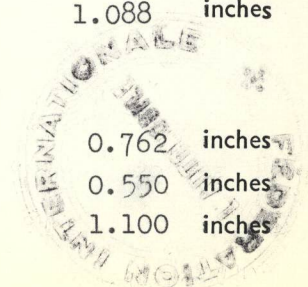


**Inlet cam**

S =	19.5	mm.	0.768	inches
T =	13.79	mm.	0.544	inches
U =	27.58	mm.	1.088	inches

**Exhaust cam**

S =	19.37	mm.	0.762	inches
T =	13.97	mm.	0.550	inches
U =	27.68	mm.	1.100	inches



**DRIVE TRAIN**

**CLUTCH**

260. Type of clutch Single dry plate diaphragm 261. No. of plates 1
262. Dia. of clutch plates 19.05 cm. 7.5 ins.
263. Dia. of linings, inside 13.335 cm. 5.25 ins.
- outside 19.05 cm. 7.5 ins.
264. Method of operating clutch Hydraulic

**GEAR BOX** (photograph H)

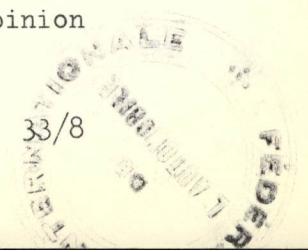
270. Manual type, make Ford Method of operation Manual
271. No. of gear-box ratios forward 4 272. Synchronized forward ratios 4
273. Location of gear-shift Centre floor control
274. Automatic, make N/A type N/A
275. No. of forward ratios N/A 276. Location of gear shift N/A

277.	Manual		Automatic		Alternative manual/automatic			
	Ratio	No. teeth	Ratio	No. teeth	Ratio	No. teeth	Ratio	No. teeth
1	2.972	$\frac{19}{30} \times \frac{32}{17}$					2.296	$\frac{21}{28} \times \frac{31}{18}$
2	2.010	$\frac{19}{30} \times \frac{28}{22}$					1.697	$\frac{21}{28} \times \frac{28}{22}$
3	1.397	$\frac{19}{30} \times \frac{23}{26}$					1.28	$\frac{21}{28} \times \frac{24}{25}$
4								
5	1.000	Direct					1.000	Direct
6								
reverse	3.324	$\frac{19}{30} \times \frac{40}{19}$	via 22				2.807	$\frac{21}{28} \times \frac{40}{19}$ via 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 291. Type of differential 2 pinion
292. Type of limited slip differential (if fitted)
293. Final drive ratio 3.9:1 4.1:1 Number of teeth 39/10 33/8



Make..... FORD.....

Model..... CORTINA 1600 G.T.....

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, 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%





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

Manufacturer FORD  
Model CORTINA 1600 GT  
F.I.A. Recognition No. \_\_\_\_\_  
Amendment No. 1

*Amendment to Form of Recognition*

**FEDERATION INTERNATIONALE DE L'AUTOMOBILE**

No.

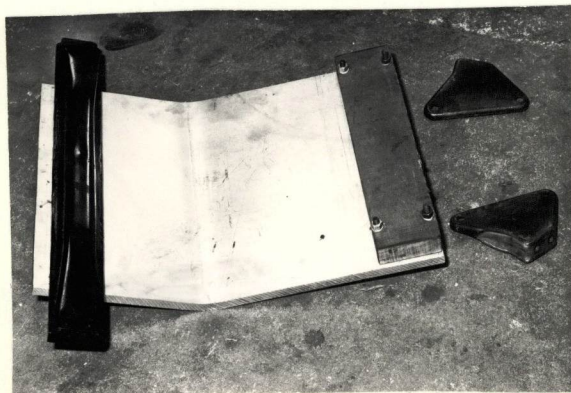
Reference No.

CORTINA 1600 GT ALTERNATIVES - GROUP II

The following alternatives are available for the Cortina 1600 GT and have been fitted in excess of 2,000 per annum.

293 Final Drive Ratio 3.7, 4.4, 4.7  
No. of teeth 34/9 40/9 33/7

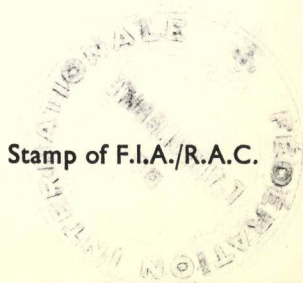
Front Dural Underbody Shield



Part No. CD 6775B

Date amendment is valid from 1st JANUARY/68

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





MOTOR SPORT DIVISION  
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Manufacturer FORD  
Model CORTINA 1600 GT  
F.I.A. Recognition No. \_\_\_\_\_  
Amendment No. 2

*Amendment to Form of Recognition*

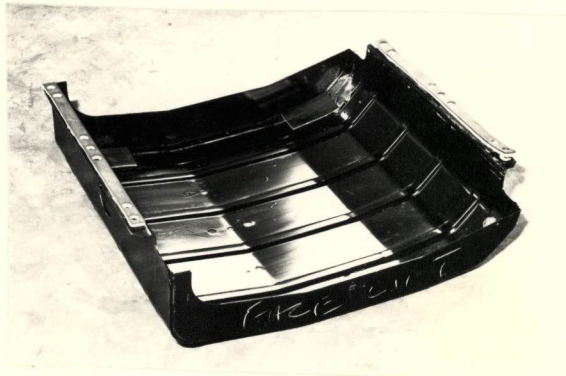
**FEDERATION INTERNATIONALE DE L'AUTOMOBILE**

No.

Reference No.

CORTINA 1600 GT ALTERNATIVES - GROUP II

Fuel Tank Shield



Part No. E915-T-1

50-53

6J Electron Wheels



13" Dia. x 6" width  
10.12 lbs., 4.593 kg. weight  
Part No. CD 1000/3  
Track increased by 2.00 ins.  
50.8 mm.

Date amendment is valid from 1st JANUARY /68

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Manufacturer FORD  
 Model CORTINA 1600 GT  
 F.I.A. Recognition No. ....  
 Amendment No. 3

*Amendment to Form of Recognition*

**FEDERATION INTERNATIONALE DE L'AUTOMOBILE**

No.

Reference No.

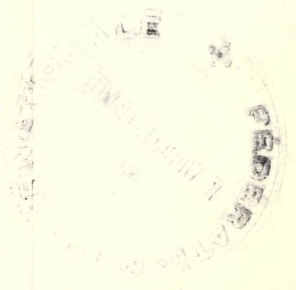
CORTINA 1600 GT ALTERNATIVES - GROUP II

162 Crankshaft Pulley Part Nos.  
 105E - 6312C  
 26E - 331

Generator Adjusting Straps Part Nos.  
 Thickness .175 ins. 4.5 mm 105E-10145  
 or .350 ins. 9.0 mm CD-10145-B

292 Salisbury Limited Slip Unit

70 Heavy Duty Front Suspension (Export) Part Nos.  
 Including forged T.C.A's and reinforced wheel arch, crossmember and McPherson Strut  
 3014E 3078D  
 3014E 3K033E  
 3K034E  
 CD 3014E/3K034D  
 CD 3014E/3K033D



Date amendment is valid from 1st JANUARY /66

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



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Manufacturer FORD  
Model CORTINA 1600 GT  
F.I.A. Recognition No. \_\_\_\_\_  
Amendment No. 4

*Amendment to Form of Recognition*

**FEDERATION INTERNATIONALE DE L'AUTOMOBILE**

No.

Reference No.

CORTINA 1600 GT ALTERNATIVES - GROUP II

- |     |                           |  |
|-----|---------------------------|--|
| 7   | <u>Extra Fuel Tank</u>    | 10 galls Imp. 12 galls U.S.<br>45.4 litres<br>Part No. CD-12-GSR |
| 236 | <u>Alternator Bracket</u> | Part No. CD 10151  |

Date amendment is valid from 1st JANUARY / 68



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





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Manufacturer FORD  
Model CORTINA 1600 GT  
F.I.A. Recognition No. \_\_\_\_\_  
Amendment No. 5

*Amendment to Form of Recognition*

**FEDERATION INTERNATIONALE DE L'AUTOMOBILE**

No.

Reference No.

CORTINA GT ALTERNATIVES - GROUP II

50 Wheels

Alternative wheel pattern  
Rim width 139.5 mm 5.5 ins 5½J  
Weight per wheel 6.35 kg 14 lbs.  
Diameter 330 mm 13 ins.



Part No. CD 20E/1012

Track increased by 25.4 mm 1.00 ins.

Date amendment is valid from 1st JANUARY / 68



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