



ROYAL AUTOMOBILE CLUB

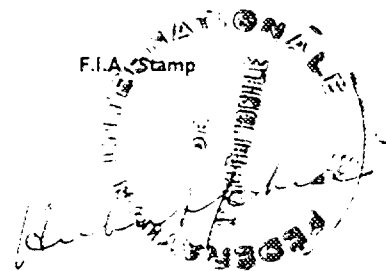
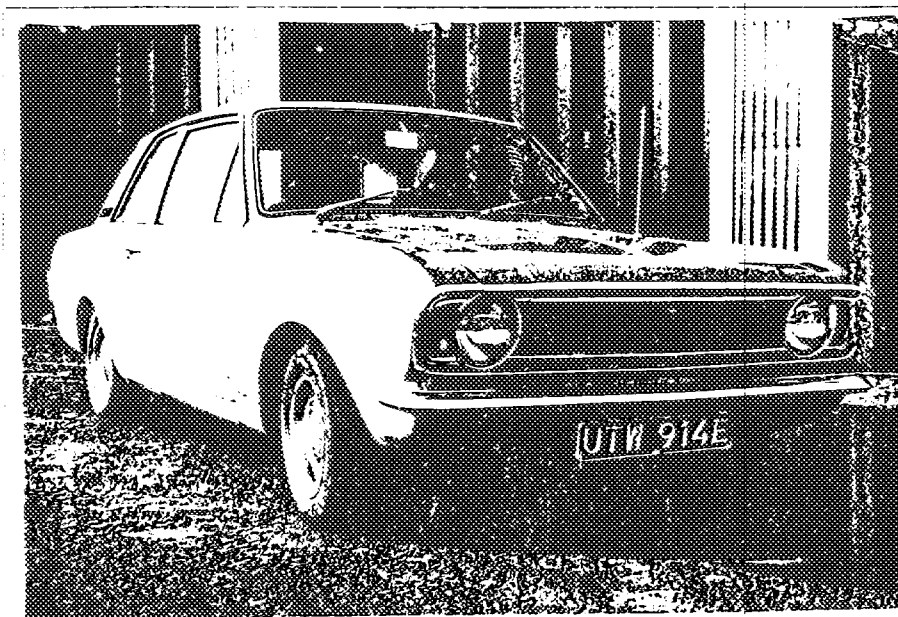
31, Belgrave Square, London, S.W.1

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

Manufacturer FORD MOTOR COMPANY LIMITED
 Serial No. of chassis/body BA91GK 43213
 Serial No. of engine LFS0001
 Recognition is valid from 1st April '67
 The manufacturing of the model described in this recognition form started on 1st FEBRUARY 1967
 and the minimum production of 1000 identical cars, in accordance with the specifications of
 this form was reached on 28th FEBRUARY 1967

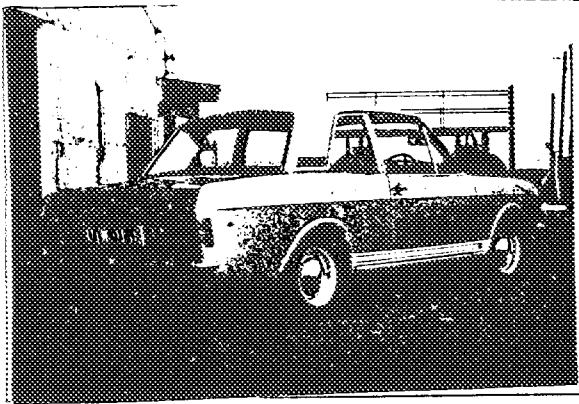
Cylinder-capacity 1558 cm.³ 95.2 in.³
 Model LOTUS CORTINA (RHD or LHD)
 Manufacturer FORD
 Manufacturer LOTUS
 List 16/1

Photograph A, $\frac{1}{2}$ view of car from front

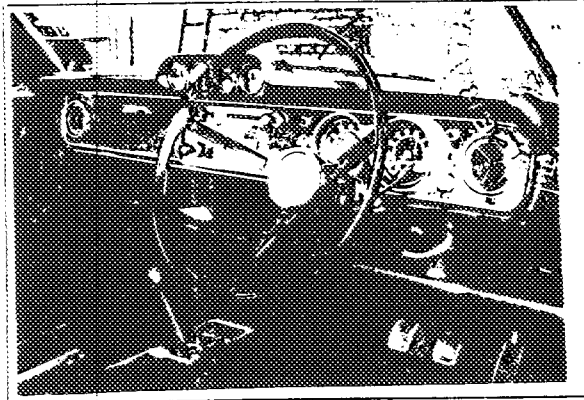


R.A.C. Stamp

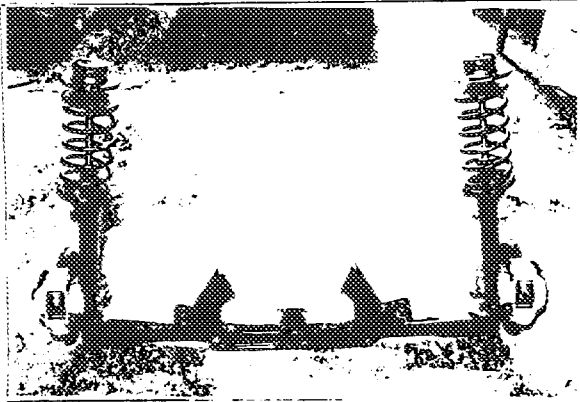
B



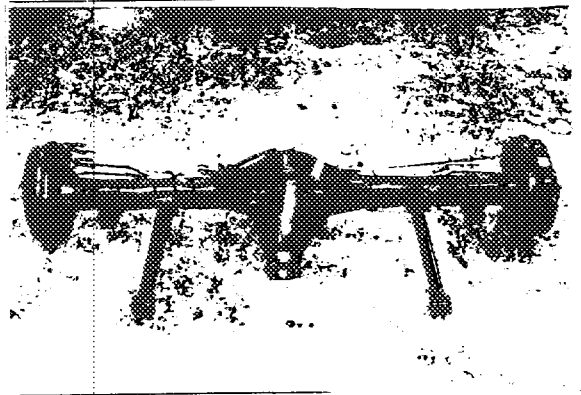
C



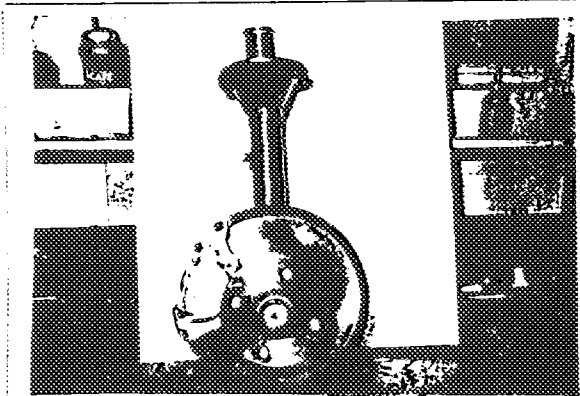
D



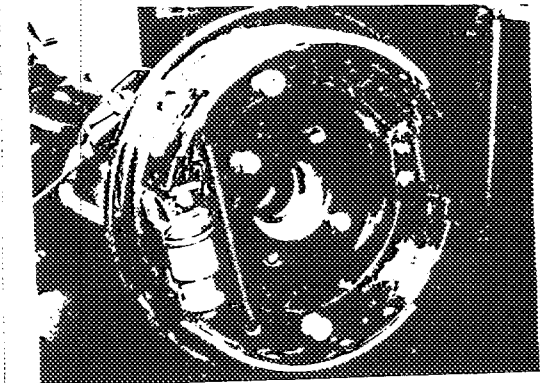
E



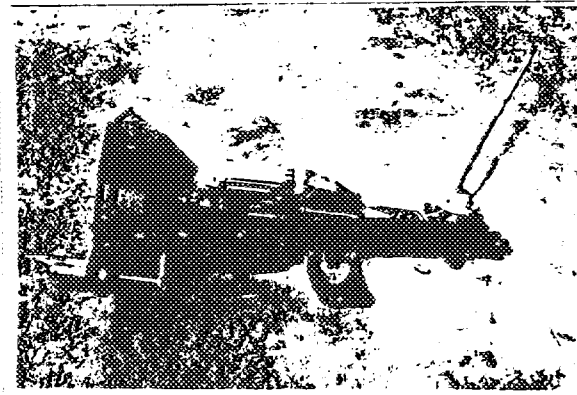
F



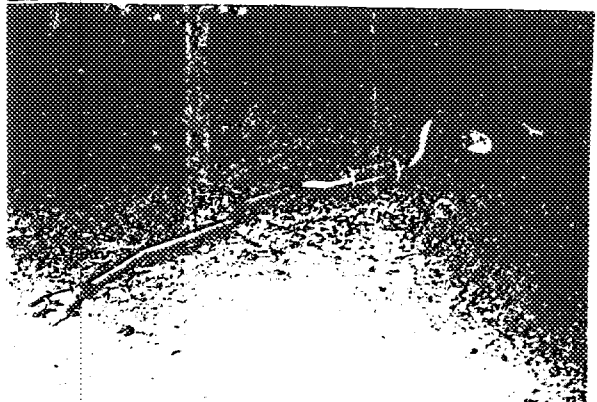
G



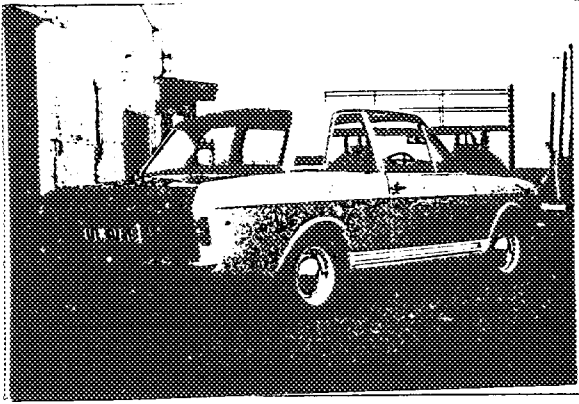
H



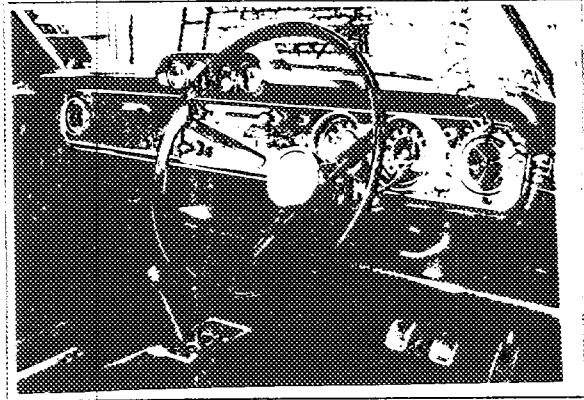
I



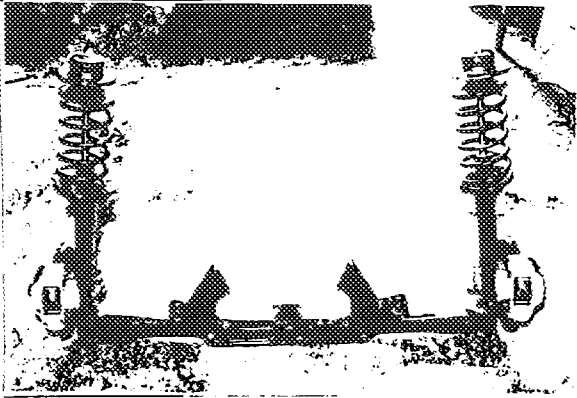
B



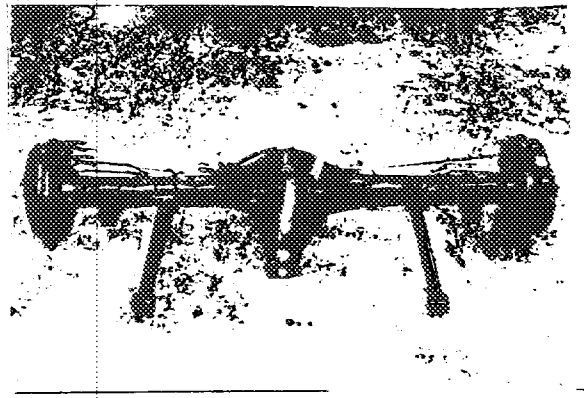
C



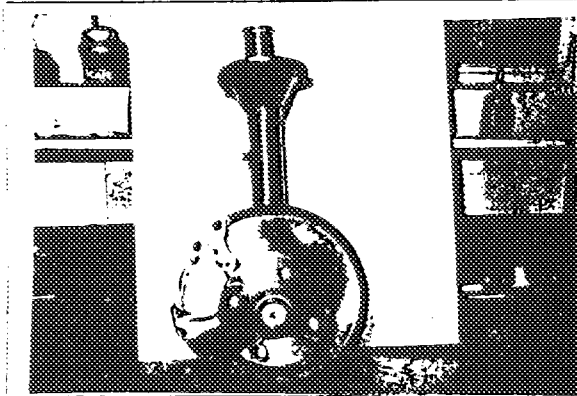
D



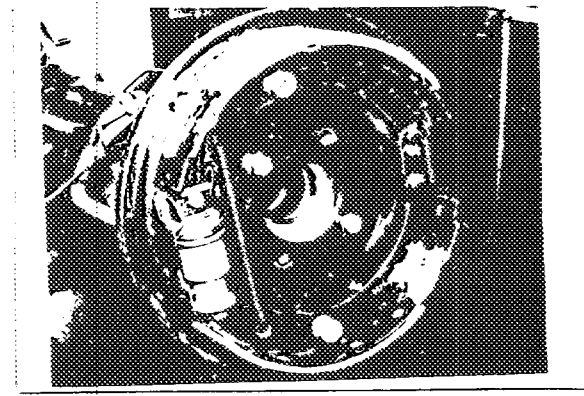
E



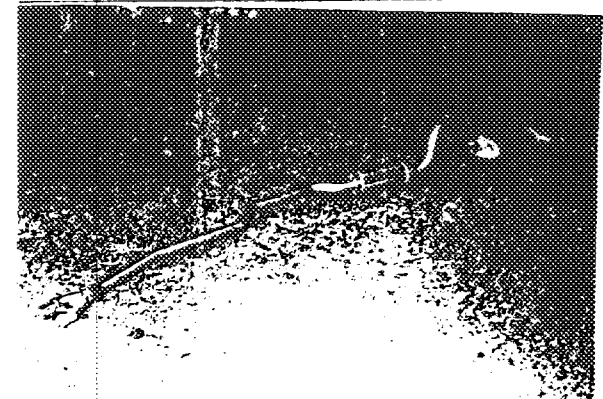
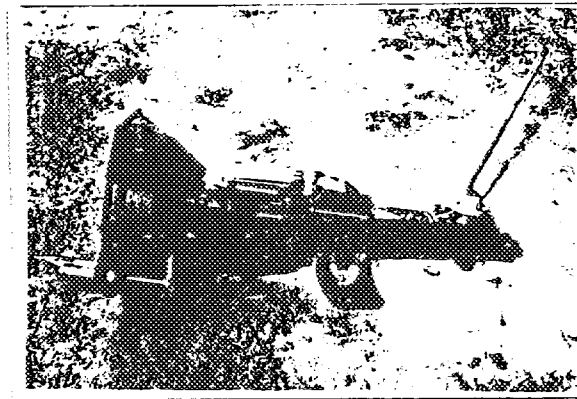
F



G



H



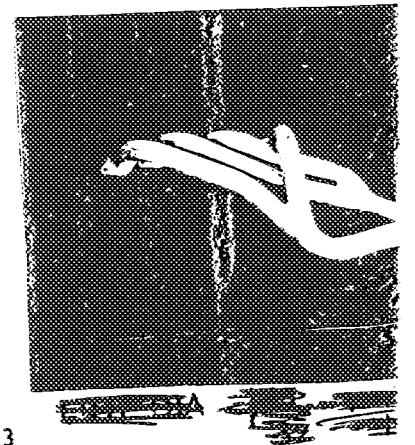
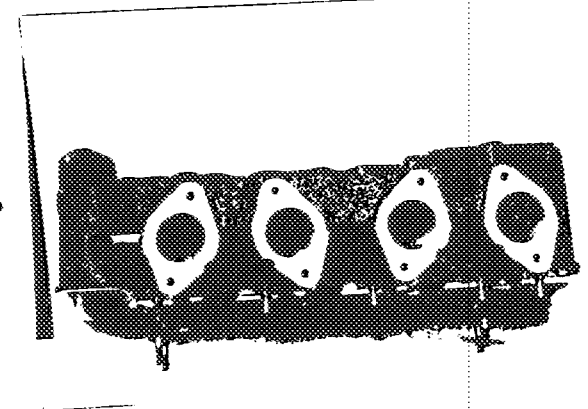
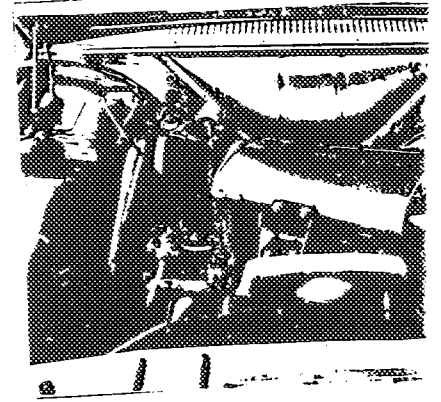
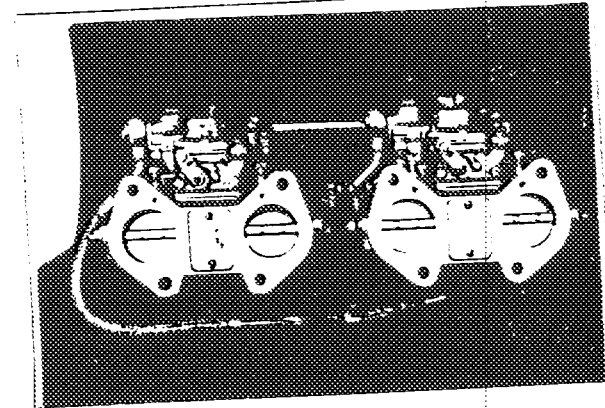
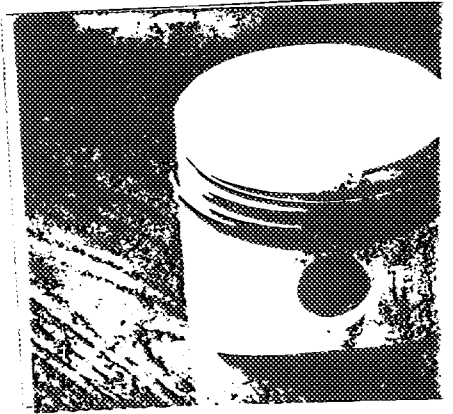
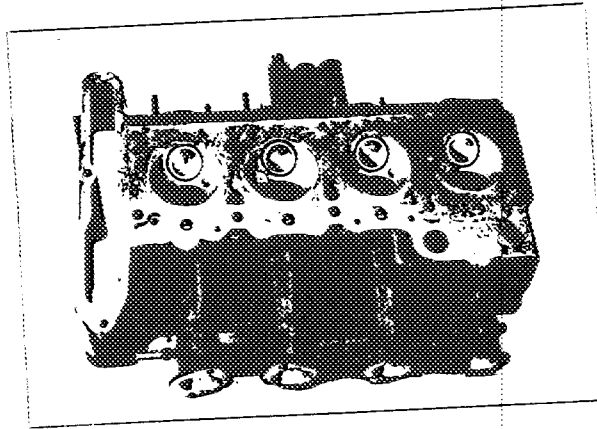
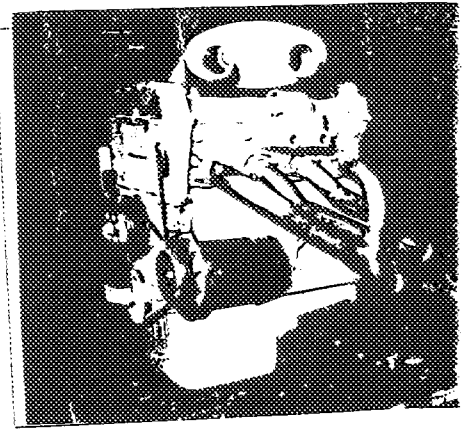
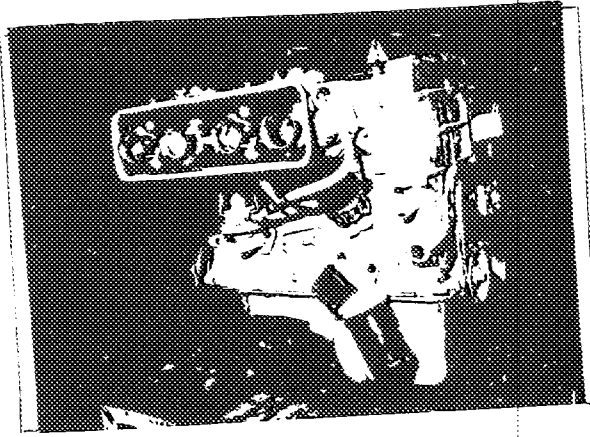
Make

FORD

Model

LOTUS CORTINA

F.I.A. Rec. No.



Make **FORD**

Model **LOTUS CORTINA**

F.I.A. Rec. No.

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

Integral with head.

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

1.57
40.0 mm

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

1.4
35.55 mm

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

1.208
30.7 mm

* .030 in.



NOTE 1.

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

CAPACITIES AND DIMENSIONS

- | | | |
|-----------------------------|-------------|-------------|
| 1. Wheelbase | 2489 mm. | 98.0 inches |
| 2. Front track $\pm$ 25.4mm | 1.0in | |
| 3. Rear track $\pm$ 25.4mm | 1.0in | |
| 1384 mm. | 54.5 inches | 1346 mm. |
| | | 53.0 inches |

Measurement from rocker panel to road

FRONT

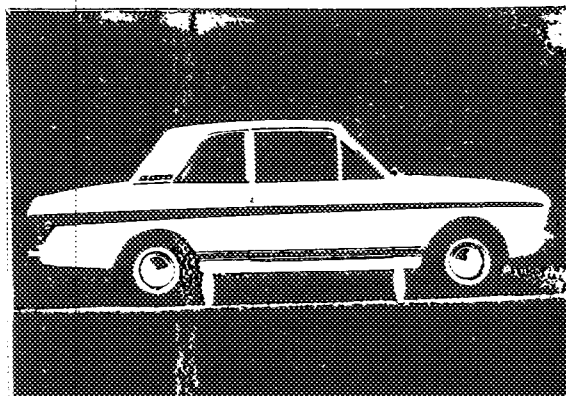
215.9mm

8.5in

REAR

234.86mm

See Note 29.25in



- | | | |
|--|-------------|---------------------------------|
| 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 | 136.9 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 : | | |
| | 820 kg. | 1802 lbs. 16.1 cwt. |

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.

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 **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 **laminated or toughened glass**
 29. Material(s) of front-door windows **toughened glass**
 30. Material(s) of rear-door windows **N/A**
 31. Sliding system of door windows **rotating 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 — ~~yes~~
 41. Front seats, type of seat and upholstery **PVC**
 42. Weight of front seat(s), complete with supports and rails, out of the car :
 9.95 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.

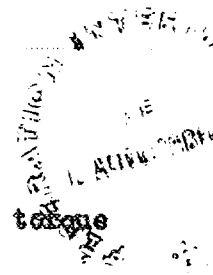
WHEELS

50. Type **pressed steel disc 'J' rim section.**
 51. Weight (per wheel, without tyre) **5.94** kg. **13.** lbs. 2oz
 52. Method of attachment **4 taper nuts fixing**
 53. Rim diameter **330** mm. **13.00** ins. 54. Rim width **139.7** mm. **5.50** ins.

STEERING

60. Type **recirculating ball**
 61. Servo-assistance : yes ~~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 **Independant McPherson combined with torque reactor and stabiliser bar.**
71. Type of spring **Coil**
72. Stabiliser (if fitted) **Integral with lower arms**
73. Number of shock absorbers **2**
74. Type **Integrated suspension leg, telescopic double acting.**
78. Rear suspension (photograph E), type **Hotchkiss drive.**
79. Type of spring **Multi-leaf semi 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 **Hydraulic vacuum.**
92. Number of hydraulic master cylinders **single or dual.**

- | 93. Number of cylinders per wheel | 2 | FRONT | / | REAR |
|-----------------------------------|----------|--------------|-----------|-------------|
| 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. ² | sq. in. | 19464 mm. ² | 30.17 sq. in. |

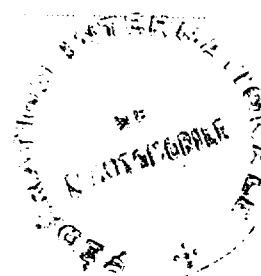
Disc Brakes

- | | | | | |
|-------------------------------|------------------------|---------------|------------------|---------|
| 100. Outside diameter | 244.0 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. ² | 10.34 sq. in. | mm. ² | sq. in. |

Make FORD

Model LOTUS CORTINA

F.I.A. Rec. No.

ENGINE (photographs J and K)

- | | |
|---|--|
| 130. Cycle Four stroke | 131. Number of cylinders 4 |
| 132. Cylinder Arrangement 8 In line | |
| 133. Bore 82.55 mm. 3.25 in. | 134. Stroke 72.75 mm. 2.875 in. |
| 135. Capacity per cylinder | 389.0 cm. ³ 23.8 cu. in. |
| 136. Total cylinder capacity | 1558 cm. ³ 95.2 cu. in. |
| 137. Material(s) of cylinder block Cast iron | 138. Material(s) of sleeves (if fitted) None |
| 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 9.8:1 $\pm$ 0.3 | |
| 143. Volume of one combustion chamber | 43.3 $\pm$ 2.5 cm. ³ 1.704 $\pm$ 2.5 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 | 39.5 mm. 1.551 in. |
| 147. Crankshaft: moulded/ scamper | 148. Type of crankshaft: integral/ cast with balance weig |
| 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 3.97 ltrs. 7.0 pts. 8.4 quarts U.S. | |
| 153. Oil cooler: yes /no | 154. Method of engine cooling Water and fan |
| 155. Capacity of cooling system 5.81 ltrs. 10.5 pts. 6.3 quarts U.S. | |
| 156. Cooling fan (if fitted) dia. | 27.94 cm. 11.0 in. |
| 157. Number of blades of cooling fan 1 or 2 | |

Bearings

- | | |
|---|-----------------------------|
| 158. Crankshaft main, type copper lead | dia. 53.993 m.m. 2.125 in. |
| 159. Connecting rod big end, type copper lead | dia. 49.205 m.m. 1.9372 in. |

Weights

- | | |
|---|---|
| 160. Flywheel (clean) | 7.0 kg. 15.5 lbs. |
| 161. Flywheel with clutch (all turning parts) | 13.0 kg. 29 lbs. |
| 162. Crankshaft 11.0 kg. 24.2 lbs. | 163. Connecting rod .590 kg. 1 lbs. 500 |
| 164. Piston with rings and pin | 513.5 kg. 1.13 lbs. |

FOUR STROKE ENGINES

170. Number of camshafts **3** 171. Location **2 in cylinder head**
 172. Type of camshaft drive **chain** **1 in cylinder block(idler)**
 173. Type of valve operation **O.H.C. & tappets.**

INLET (see page 4)*

180. Material(s) of inlet manifold **Aluminium alloy**
 181. Diameter of valves **38.86 mm.** **1.53 ins.**
 182. Max. valve lift **8.89 mm.** **.350 in.** 183. Number of valve springs **2**
 184. Type of spring **Coil** 185. Number of valves per cylinder **2**
 186. Tappet clearance for checking timing (cold) **.254 mm.** **.010 ins.**
 187. Valves open at (with tolerance for tappet clearance indicated) **26° B.T.D.C.**
 188. Valves close at (with tolerance for tappet clearance indicated) **66° A.B.D.C.**
 189. Air filter, type **paper element**

EXHAUST (see page 4)*

195. Material(s) of exhaust manifold **steel**
 196. Diameter of valves **33.66 mm.** **1.325 ins.**
 197. Max. valve lift **8.89 mm.** **.350 in.** 198. Number of valve springs **2**
 199. Type of spring **Coil** 200. Number of valves per cylinder **2**
 201. Tappet clearance for checking timing (cold) **.254 mm.** **.010 ins.**
 202. Valves open at (with tolerance for tappet clearance indicated) **66° B.B.D.C.**
 203. Valves close at (with tolerance for tappet clearance indicated) **26° A.T.D.C.**

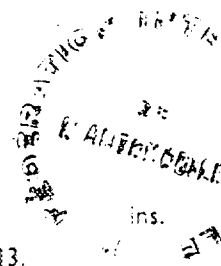
CARBURETION (photograph N)

210. Number of carburettors fitted **2** 211. Type **Horizontal**
 212. Make **Weber** 213. Model **40 DCOE 31**
 214. Number of mixture passages per carburettor **2**
 215. Flange hole diameter of exit port(s) of carburettor **40 mm.** **1.575 ins.**
 216. Minimum diameter of venturi/minimum diam., with piston at maximum height (example : SU)
30-33 mm. **1.18-1.30 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 **LOTUS CORINA**

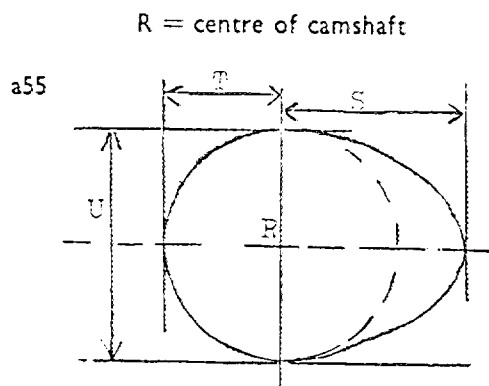
F.I.A. Rec. No. _____

ENGINE ACCESSORIES

230. Fuel pump : mechanical ~~XXXX~~/or electrical
231. No. fitted **1**
232. Type of ignition system **battery and 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 **1**
fitted
237. Method of drive **belt via crankshaft pulley.**
238. Voltage of generator **12** volts
239. Battery, number **1**
240. Location **Right hand side of luggage compartment**
241. Voltage of battery **12** volts

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

250. Max. engine output **115** (type of horsepower: **b.h.p.**) at **6,000** r.p.m.
251. Max. r.p.m. **6500** output at that figure **105 b.h.p.**
252. Max. torque **106 lbs/ft** at **4,500** r.p.m.
253. Max. speed of the car km./hour miles/hour
not declared by Manufacturer in catalogue.

**Inlet cam**

S =	24.10	mm.	.950	inches
T =	15.22	mm.	.600	inches
U =	30.50	mm.	1.20	inches

Exhaust cam

S =	24.10	mm.	.950	inches
T =	15.22	mm.	.600	inches
U =	30.50	mm.	1.20	inches

Make **FORD**Model **LOTUS CORFINA**

F.I.A. Rec. No.

DRIVE TRAINCLUTCH

260. Type of clutch **Single dry plate diaphragm** 261. No. of plates **4**
262. Dia. of clutch plates **20.32** cm. **8.00** ins.
263. Dia. of linings, inside **146.05** cm. **5.75** ins.
- outside **20.32** cm. **8.00** 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	32 x 17			2.51	$\frac{21}{18} \times \frac{17}{32}$	2.296	$\frac{28}{27} \times \frac{31}{18}$
2	2.010	28 x 22			1.64	$\frac{21}{28} \times \frac{22}{27}$	1.697	$\frac{28}{28} \times \frac{28}{28}$
3	1.397	23 x 26			1.23	$\frac{21}{28} \times \frac{20}{24}$		$\frac{21}{28} \times \frac{22}{24}$
4	1.000	19 x 30			1.000	Direct	1.28	$\frac{28}{28} \times \frac{24}{24}$
5	Constant	$\frac{30}{19}$					1.00	$\frac{21}{21} \times \frac{25}{25}$
6								Direct
reverse	3.324	40x22x19			2.807	$\frac{40}{19} \times \frac{22}{22}$	2.807	$\frac{40}{19} \times \frac{22}{19}$

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) **Salisbury four pinion.**
293. Final drive ratio **3.77:1 4.1:1** Number of teeth **34/9 = 33/8**

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 .075%
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%



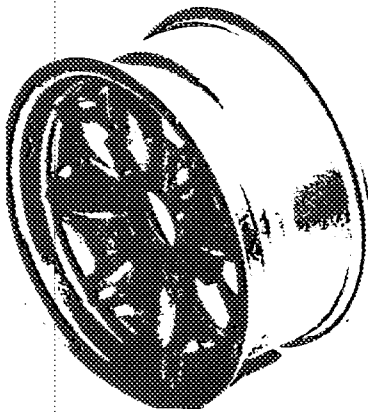


MOTOR SPORT DIVISION
The Royal Automobile Club,
31 Belgrave Square, London, S.W.1

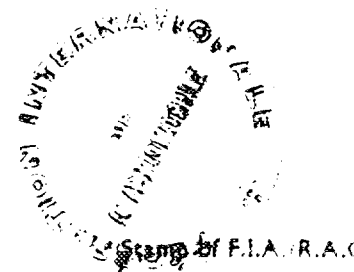
Manufacturer FORD
Model LOTUS CORTINA
F.I.A. Recognition No.
Amendment No. I

Amendment to Form of Recognition

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

No.	Reference No.	LOTUS CORTINA ALTERNATIVES	GROUP II	PART NUMBER
1	293	Final Drive Ratios	4.7:1 33/7	4.4:1 40/9
2	53	6J Electron Wheels 13" Dia x 6" Width 10 lbs Weight.		CD 1000/3
3	292	FORD Limited Slip Differential Unit		CD 2927E/4204A
4	7	Fuel Tank 12 gallons	54.6 litres	14.4 U.S.Gallons CD12 G.S.R.

Date amendment is valid from





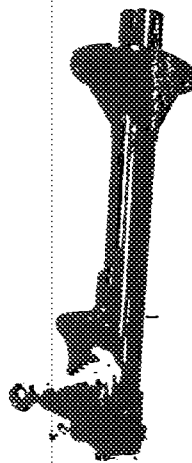
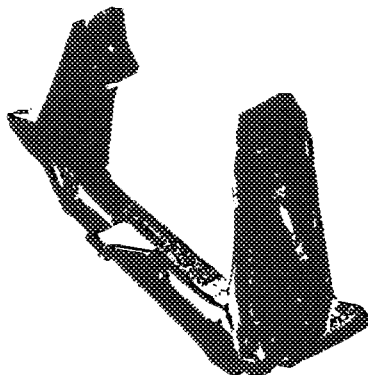
MOTOR SPORT DIVISION
The Royal Automobile Club,
31 Belgrave Square, London, S.W.1

Manufacturer..... **FORD**
Model..... **LOTUS CORTINA**
F.I.A. Recognition No.....
Amendment No..... **2**

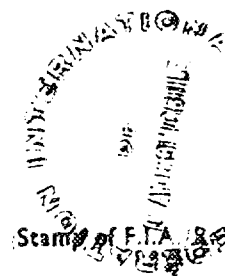
Amendment to Form of Recognition

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

No.	Reference No.	<u>LOTUS CORTINA ALTERNATIVES</u>	<u>GROUP II</u>	<u>PART NUMBER</u>
5	70	Heavy Duty Crossmember and Suspension		CD 3016E/5019A CD 3014E/3K03E CD 3014E/3K03E



Date amendment is valid from.....



FORD - CORTINA LOTUS

MARQUE ET MODELE

4/67 -

VALIDITE HOMOLOGATION

1467

FICHE NR.

2/1600

GROUPE / CLASSE

[illegible]

Autres homologations du modèle

108-1224-5078-5176

Vérifiée le 23/10/95 par [Signature] visée ce jour le _____ par _____

PAG. 114