

Manufacturers Reference No. for Application

3/63/DAG



F.I.A. Recognition No.

1177

ROYAL AUTOMOBILE CLUB

PALL MALL, LONDON, S.W.1.

Federation Internationale de l'Automobile.

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

Manufacturer Ford Motor Company Limited

Model Consul Cortina Super Year of Manufacture 1962/63

Serial No. of Chassis Z74B 512297

Engine 116E 9077

Type of Coachwork Saloon

Recognition is valid from 29 JANV 1963 In category Touring

liste 9/19

Photograph to be affixed here $\frac{3}{4}$ view of car from front right.



Hubert Christy



Stamp of F.I.A./R.A.C. to be
affixed here.

Form: R.F.I.A.

General description of car:

Specify here material/s of chassis/body construction

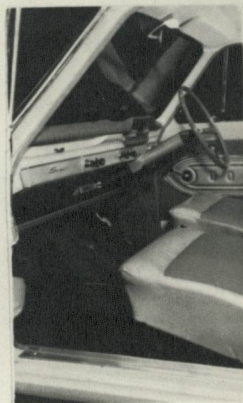
2 or 4 door 4 seater saloon
Body and chassis of steel

Photographs to be affixed below.

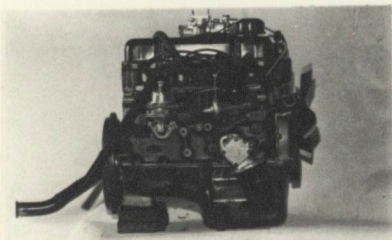
3/4 view of car from rear left.



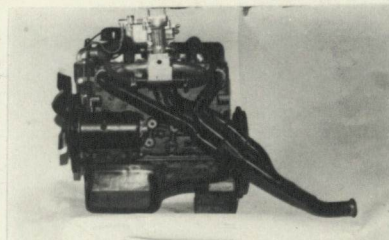
Interior view of car through driver's door.



Engine unit with accessories from right.



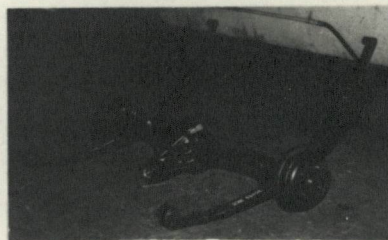
Engine unit with accessories from left.



Front axle complete (without wheels).



Rear axle complete (without wheels).



ENGINE

in line Yes
 No. of cylinders 4 in V
 opposed
 Cycle 4 Stroke Firing order 1-2-4-3
 Capacity 1498 c.c. Bore 80.97 m.m. Stroke 72.75 m.m.
 Maximum rebore 0.762 Resultant capacity 1527 c.c.
 Material of cylinder block Cast iron Material of sleeves, if fitted -
 Distance from crankshaft centre line to top face of block at centre line of cylinders 187.8/198 m.m.
 Material of cylinder head Cast iron Volume of one combustion chamber 36.95 c.c.
 Compression ratio 9 : 1
 Material of piston Aluminium Alloy No. of piston rings Three
 Distance from gudgeon pin centre line to highest point of piston crown 38.837/38.887 m.m.
 Bearings { Crankshaft main bearings: Type Babbit steel back Dia. 53.987/54.0 m.m.
 Connecting rod big end: Type Copper lead or bronze Dia. 49.2/49.2125 m.m.
 Weights { Flywheel 8.28 kg.
 Crankshaft 10.43 kg.
 Connecting rod 0.558 kg.
 Piston with rings 0.413 kg.
 Gudgeon pin 0.099 kg.
 No. of valves per cylinder Two Method of valve operation Push rod & Rocker
 No. of camshafts One Location of camshafts In cylinder block
 Type of camshaft drive Chain
 Diameter of valves: Inlet 35.69 m.m. Exhaust 31.75 m.m.
 Diameter of port at valve seat: Inlet 32.51 m.m. Exhaust 25.4 m.m.
 Tappet clearance for checking timing: Inlet 0.305 m.m. Exhaust 0.559 m.m.
 Valves open: Inlet 27° BTDC Exhaust 65° BBDC
 Valves close: Inlet 65° ABDC Exhaust 27° ATDC
 Maximum valve lift: Inlet 8.509 m.m. Exhaust 8.763 m.m.
 Degrees of crankshaft rotation from zero to—
 Maximum lift: Inlet 129° Exhaust 123°
 ¾ Maximum lift: Inlet 72.4° Exhaust 63°
 Valve springs: Inlet Exhaust
 Type Straight coil Straight Coil
 No. per valve one one
 Carburettor: Type Twin choke down draught (up or down draft, horizontal) No. fitted One
 Make Weber Model 36 DC D1
 Flange hole diameter 28mm/36 m.m. Choke diameter 26/27 m.m.
 Main jet identification No. 140 mm
 155 mm 3

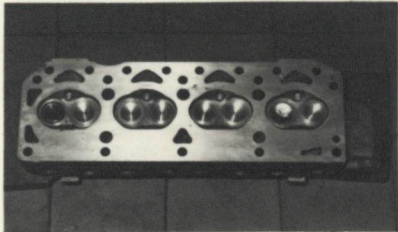
Air filter: Type..... - No. fitted..... -

Inlet manifold:

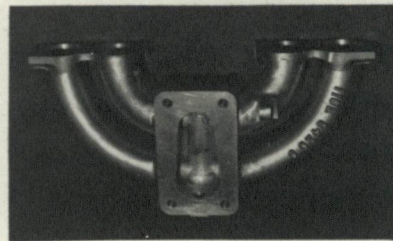
Diameter of flange hole at carburettor..... 47.24m.m.

Diameter of flange hole at port..... 26.92m.m.

Photograph of combustion chamber to be affixed here.



Photograph of inlet manifold to be affixed here.



Exhaust manifold:

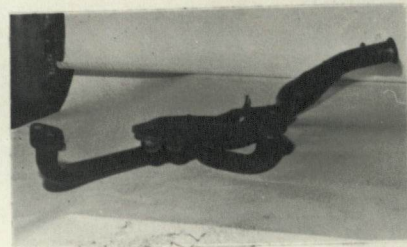
Diameter of flange hole at port..... 28.58m.m.

Diameter of flange hole at connection to silencer inlet pipe..... 38.10m.m.

Photograph of piston showing crown to be affixed here.



Photograph of exhaust manifold to be affixed here.



ENGINE ACCESSORIES

Make of fuel pump..... A.C. No. fitted..... One

Method of operation..... By eccentric on camshaft

Type of ignition system..... Oil filled coil coil or magneto

Make of ignition..... Lucas Model Distributor 25D4

Method of advance and retard..... Automatic centrifugal and vacuum

Make of ignition coil..... Lucas or A.C. Delco Model LA 12

No. of ignition coils..... One

Voltage..... 12 v

Make of dynamo..... Lucas Model C40 L

Voltage of dynamo..... 12 v

Maximum output..... 25 amps.

Make of starter motor..... Lucas Model M25G

Battery: No. fitted..... One Voltage 12 v Capacity 38 amp. hour

Oil Cooler (if fitted) type..... - Capacity..... pints

Make Ford Consul
 Model Cortina Super F.I.A. Recognition No. 3/63/DAG
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TRANSMISSION

Make of clutch Ford/Borg and Beck Type Dry Plate
 Diameter of clutch plate 184.15 mm No. of plates One
 Method of operating clutch Hydraulically operated
 Make of gearbox Ford Type Conventional synchromesh on all four gears
 No. of gearbox ratios Four & one reverse
 Method of operating gearshift Manual shift
 Location of gearshift Steering column or remote floor shift
 Is overdrive fitted? No
 Method of controlling overdrive, if fitted -

	GEARBOX RATIOS		ALTERNATIVE RATIOS					
	Ratio	No. of Teeth	Ratio	No. of Teeth	Ratio	No. of Teeth	Ratio	No. of Teeth
1.	3.543	$\frac{32}{17} \times \frac{32}{17}$	3.543	$\frac{32}{17} \times \frac{32}{17}$				
2.	2.396	$\frac{32}{17} \times \frac{28}{22}$	2.04	$\frac{32}{17} \times \frac{27}{24}$				
3.	1.412	$\frac{32}{17} \times \frac{21}{28}$	1.412	$\frac{32}{17} \times \frac{21}{28}$				
4.	1.000	Direct	1.000	Direct				
5.								

Type of final drive Hypoid
 Type of differential Bevel and pinion or ZF self locking
 Final drive ratio 4.125 Alternatives 4.444 4.7
 No. of teeth 33/8
 Overdrive ratio, if fitted -

WHEELS

Type Steel disc Weight 11.79 kg.
 Method of attachment 4 R.H. studs
 Rim diameter 330.2 m.m. Rim width 92.075 J m.m.
 Tyre size: Front 5.20 x 13 Rear 5.20 x 13

BRAKES

Method of operation Hydraulic
 Is servo assistance fitted? No
 Type of servo, if fitted -
 No. of hydraulic master cylinders One Bore 15.875 m.m.

	Front		Rear	
No. of wheel cylinders	Two per wheel		One	
Bore of wheel cylinders	40.60	m.m.	19.05	m.m.
Inside diameter of brake drums	-	m.m.	203.2	m.m.
No. of shoes per brake	-		Two	
Outside diameter of brake discs	231.65	m.m.	-	m.m.
No. of pads per brake	Two		-	
Dimensions of brake linings per shoe or pad (if all shoes or pads in each brake are not of same dimensions, specify each)				

	Front		Rear	
Length	60.20	m.m.	159.0	m.m.
		m.m.		m.m.
Width	34.04	m.m.	38.1	m.m.
Total area per brake	4000.24	m.m. ²	12,161	m.m. ²

SUSPENSION

	Front		Rear	
Type	Independent		Longitudinal	
Type of spring	Coil springs		Semi-elliptic leaf	
Is stabiliser fitted?	Yes		No	
Type of shock absorber	Telescopic		Telescopic	
No. of shock absorbers	Two		Two	

STEERING

Type of steering gear	Recirculating ball		
Turning circle of car	10.467		m., approx.
No. of turns of steering wheel from lock to lock	2 $\frac{3}{4}$		

CAPACITIES AND DIMENSIONS

Fuel tank	36.37	litres	Sump	3.196	litres
Radiator	5.948	litres			
Overall length of car	427.5	cm.	Overall width of car	158.75	cm.
Overall height of car, unladen (with hood up, if appropriate)	173.89	cm.			
Distance from floor to top of windscreen:					
Highest point	106	cm.	Lowest point	99.06	cm.
Width of windscreen:					
Maximum width	123.83	cm.	Minimum width	109.22	cm.
*Interior width of car	128.9	cm.			
No. of seats	4				
Track: Front	127.73	cm.	Rear	125.73	cm.
Wheelbase	248.92	cm.	Ground clearance	162.6	m.m.

*(To be measured at the immediate rear of the steering wheel, and the width quoted to be maintained in a vertical plane of not less than 25 cms.)

Overall weight with water, oil and spare wheel, but without fuel 756.2 kgs. (2 door)
773.4 kgs. (4 door)

Additional information for cars fitted with two-cycle engines

System of cylinder scavenging.....

Type of lubrication.....

Size of inlet port:

Length measured around cylinder wall..... m.m.

Height..... m.m. Area..... m.m.²

Size of exhaust port:

Length measured around cylinder wall..... m.m.

Height..... m.m. Area..... m.m.²

Size of transfer port:

Length measured around cylinder wall..... m.m.

Height..... m.m. Area..... m.m.²

Size of piston port:

Length measured around piston..... m.m.

Height..... m.m. Area..... m.m.²

Method of pre-compression.....

Bore and stroke of pre-compression cylinder, if fitted..... m.m.

Distance from top of cylinder block to lowest point of inlet port..... m.m.

Distance from top of cylinder block to highest point of exhaust port..... m.m.

Distance from top of cylinder block to highest point of transfer port..... m.m.

Drawing of cylinder ports.

Supercharger, if fitted

Make..... Model or Type No.....

Type of drive..... Ratio of drive.....

Fuel injection, if fitted

Make of pump..... Model or Type No.....

Make of injectors..... Model or Type No.....

Location of injectors.....

Optional equipment affecting preceding information:—

Engine Sump Shield

Four Blade Fan

Fuel Tank Shield

Heavy Duty 51 AH battery

Heavy duty suspension

Additional fuel tank 36.37 litres

Cylinder head Part No. 116E 6085A

Low compression cylinder head Part No. 116E 6085B

Inlet manifold Part No 105E 9525B

Carburettor Solex Part No. 118E 9510A

Exhaust Manifold Part No. 105E 9430C

Camshaft Part No. 109E 6250

Air Filter Part No. 116E 9600A

Front brakes 9" x 1 $\frac{3}{4}$ " drums

TOURING
EQUIPMENT