

Manufacturers Reference No. for Application

4/64/DAG



F.I.A. Recognition No. 1310

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 CORSAIR G.T. Year of Manufacture 1963
Serial No. of Chassis H18C073677
Engine 120ES315268E
Type of Coachwork Saloon - 2 or 4 door
Recognition is valid from 11 April 1964 In category Touring

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



Hubert Phion



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

Form: R.F.I.A.

4/64/DAG

General description of car:

Specify here material/s of
chassis/body construction

2' or 4 door 4 seater saloon

body and chassis unit construction of steel

Photographs to be affixed below.

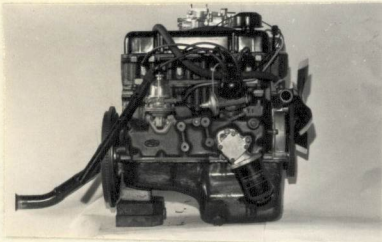
$\frac{3}{4}$ view of car from rear left.



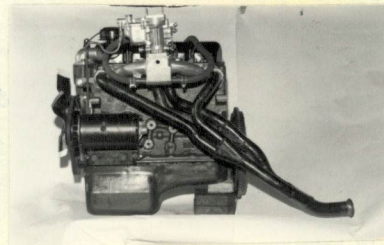
Interior view of car through driver's door.



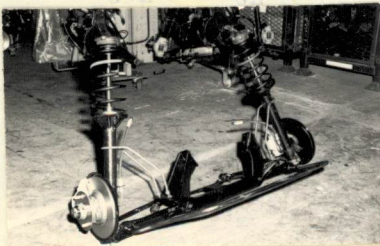
Engine unit with accessories from right.



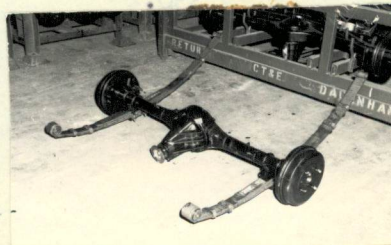
Engine unit with accessories from left.



Front axle complete (without wheels).



Rear axle complete (without wheels).



ENGINE

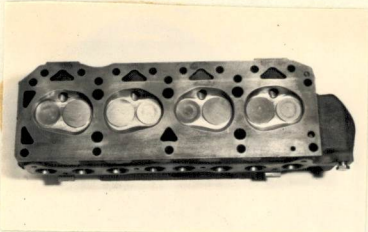
in line yes
 No. of cylinders 4 in V ---
 opposed ---
 Cycle 4 stroke Firing order 1, 2, 4, 3
 Capacity 1498.33 c.c. Bore 80.97 m.m. Stroke 72.75 m.m.
 Maximum rebore 1.143 Resultant capacity 1541.0 c.c.
 Material of cylinder block cast iron Material of sleeves, if fitted cast iron
 Distance from crankshaft centre line to top face of block at centre line of cylinders 197.8 m.m.
 Material of cylinder head cast iron (thick floor) Volume of one combustion chamber 33.0 c.c.
 Compression ratio 10.4:1
 Material of piston aluminium alloy No. of piston rings 3
 Distance from gudgeon pin centre line to highest point of piston crown 38.82 m.m.
 Bearings { Crankshaft main bearings: Type steel backed Dia. 53.994 m.m.
 Connecting rod big end: Type copper lead or lead Dia. 49.206 m.m.
 Flywheel 8.426 kg. bronze
 Weights { Crankshaft 10.90 kg.
 Connecting rod 0.579 kg.
 Piston with rings 0.431 kg.
 Gudgeon pin 0.114 kg.
 No. of valves per cylinder two Method of valve operation pushrod
 No. of camshafts one Location of camshafts in cylinder block
 Type of camshaft drive chain
 Diameter of valves: Inlet 35.78 m.m. Exhaust 31.60 m.m.
 Diameter of port at valve seat: Inlet 32.51 m.m. Exhaust 25.40 m.m.
 Tappet clearance for checking timing: Inlet .304 m.m. Exhaust .559 m.m.
 Valves open: Inlet 27° B.T.D.C. Exhaust 65° B.B.D.C.
 Valves close: Inlet 65° A.B.D.C. Exhaust 27° A.T.D.C.
 Maximum valve lift: Inlet 8.72 m.m. Exhaust 8.52 m.m.
 Degrees of crankshaft rotation from zero to—
 Maximum lift: Inlet 149° Exhaust 150°
 $\frac{3}{4}$ Maximum lift: Inlet 93° Exhaust 92°
 Valve springs: Inlet Exhaust
 Type helical coil helical coil
 No. per valve one one
 Carburettor: Type down draft No. fitted one
 (up or down draft, horizontal)
 Make Weber Model 28/36 DCD
 Flange hole diameter 40 m.m. Choke diameter 31 m.m.
 Main jet identification No. 120

Air filter: Type Flame trap No. fitted one

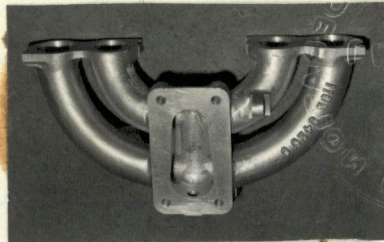
Inlet manifold:
Diameter of flange hole at carburettor 38 x 81 m.m.

Diameter of flange hole at port 31.7 m.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 31.00 m.m.

Diameter of flange hole at connection to silencer inlet pipe 38.10 m.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. Delco No. fitted One

Method of operation Eccentric on camshaft

Type of ignition system coil coil or magneto

Make of ignition Lucas Model Distributor 25D4

Method of advance and retard Automatic centrifugal & vacuum

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

No. of ignition coils One Voltage 12V

Make of dynamo Lucas Model C40L

Voltage of dynamo 12V Maximum output 25 amps.

Make of starter motor Lucas Model M35G.I.

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

Oil Cooler (if fitted) type None Capacity pints

Make FORD Model CONSAIR G.T. F.I.A. Recognition No. 1310
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TRANSMISSION

Make of clutch Ford/Borg & Beck Type Dry plate
 Diameter of clutch plate 184.15 mm No. of plates one
 Method of operating clutch hydraulically operated by foot pedal
 Make of gearbox Ford Type Synchromesh on all forward gears
 No. of gearbox ratios Four and one reverse
 Method of operating gearshift manual
 Location of gearshift remote floor shift and central floor
 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	$\frac{32 \times 32}{17 \times 17}$	3.543	$\frac{32 \times 32}{17 \times 17}$				
2.	2.396	$\frac{32 \times 28}{17 \times 22}$	2.04	$\frac{32 \times 26}{17 \times 24}$				
3.	1.412	$\frac{32 \times 21}{17 \times 28}$	1.412	$\frac{32 \times 21}{17 \times 28}$				
4.	1.000	direct	1.000	direct				
5.								

Type of final drive hypoid
 Type of differential bevel and pinion
 Final drive ratio 3.9 Alternatives 4.125 3.77 4.44
 No. of teeth 39/10 33.8 34.9 40.9
 Overdrive ratio, if fitted ---

WHEELS

Type Pressed steel disc Weight (with tyre) 12.7 kg.
 Method of attachment 4 R.H. studs
 Rim diameter 330.2 m.m. Rim width 4J 4½J m.m.
 Tyre size: Front 5.60 - 13 Rear 5.60 - 13

BRAKES

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

	Front		Rear	
No. of wheel cylinders	two		two	
Bore of wheel cylinders	48.06	m.m.	19.05	m.m.
Inside diameter of brake drums	---	m.m.	228.6	m.m.
No. of shoes per brake	---		two	
Outside diameter of brake discs	241.3	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 (nominal)	60.45	m.m.	210.3	m.m.
		m.m.		m.m.
Width	47.63	m.m.	44.45	m.m.
Total area per brake	5787	m.m. ²	18580	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	10.973	m., approx.
No. of turns of steering wheel from lock to lock	3.7	

CAPACITIES AND DIMENSIONS

Fuel tank	36.368	litres	Sump	3.267	litres
Radiator	5.85	litres			
Overall length of car	448.7	cm.	Overall width of car	161.0	cm.
Overall height of car, unladen (with hood up, if appropriate)	145.4	cm.			
Distance from floor to top of windscreen:					
Highest point	102.8	cm.	Lowest point	97.80	cm.
Width of windscreen:					
Maximum width	123.83	cm.	Minimum width	109.22	cm.
*Interior width of car	127.0	cm.			
No. of seats Four					
Track: Front	127.0	cm.	Rear	127.36	cm.
Wheelbase	256.5	cm.	Ground clearance	170.2	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	831	kgs. (2 door)
	861	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:—

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1. Front underbody shield
2. Four blade fan
3. Fuel tank shield
4. Additional fuel tanks 36.37 litres (with change over tap)
5. One piece crankshaft pulley

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11/ET

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Amendment to Form of Recognition

Manufacturer..... **FORD MOTOR COMPANY LIMITED**

Model..... **CONSUL, CORSAIR G.T.'s**

Production change effective 31st August, 1964, covering introduction of rear radius arms on all Corsair G.T.'s.

Effective chassis numbers: H18C275470 - 2 door
H18C275478 - 4 door

Rear axle complete ~~less~~ wheels.



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

Date amendment is valid from

16 Nov 1964

Form: R.F.I.B.