

Manufacturers Reference No. for Application

2/65/DAG



F.I.A. Recognition No.

1369

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..... **CORSAIR DE LUXE** Year of Manufacture..... **1964**
Serial No. of Chassis..... **120E**
Engine..... **J20950**
Type of Coachwork..... **Saloon**
Recognition is valid from..... **1er janvier 1965** In category..... **Touring**

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



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

Herbert Schreyer

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 unit construction of steel

Photographs to be affixed below.

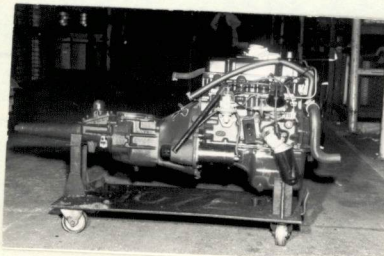
$\frac{3}{4}$ view of car from rear left.



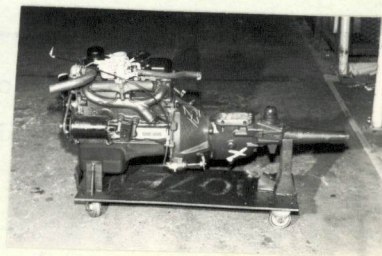
Interior view of car through driver's door.



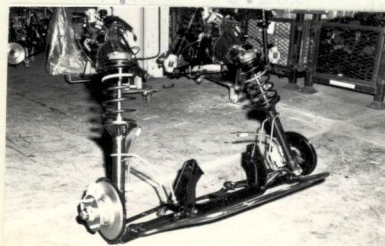
Engine unit with accessories from right.



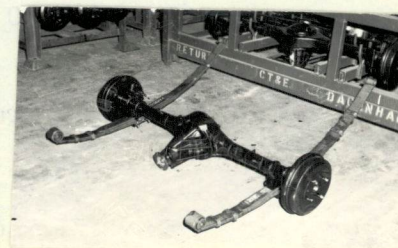
Engine unit with accessories from left.



Front axle complete (without wheels).



Rear axle complete (without wheels).

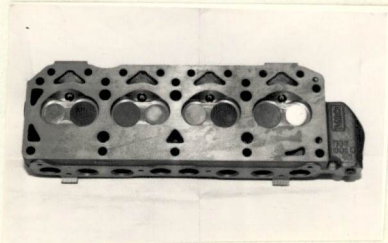


ENGINE

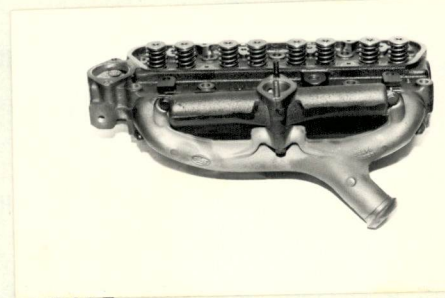
in line **Yes**
 No. of cylinders **4** in V
 opposed
 Cycle **4 stroke** Firing order **1, 2, 4, 3**
 Capacity **1499.9** c.c. Bore **80.97** m.m. Stroke **72.82** m.m.
 Maximum rebore **0.762 mm** Resultant capacity **1528.9** c.c.
 Material of cylinder block **cast iron** Material of sleeves, if fitted **---**
 Distance from crankshaft centre line to top face of block at centre line of cylinders **197.8/198**
 Material of cylinder head **cast iron** Volume of one combustion chamber **H.C. 37.17/38.17**
 Compression ratio **9:1 (opt 7.5:1)** **L.C. 47.93/46.93**
 Material of piston **aluminium alloy** No. of piston rings **3**
 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, lead** Dia. **49.2/49.2125** m.m.
 Flywheel **8.28** bronze or aluminium tin kg.
 Weights { 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 **2** Method of valve operation **cam shaft via push rods and rocker**
 No. of camshafts **1** Location of camshafts **in cylinder block**
 Type of camshaft drive **chain**
 Diameter of valves: Inlet **36.373/36.627** m.m. Exhaust **30.048/30.302** m.m.
 Diameter of port at valve seat: Inlet **32.512** m.m. Exhaust **25.4** m.m.
 Tappet clearance for checking timing: Inlet **0.254 (hot)** m.m. Exhaust **0.432 (hot)** m.m.
 Valves open: Inlet **17° BTDC** Exhaust **51° BBDC**
 Valves close: Inlet **51° ABDC** Exhaust **17° ATDC**
 Maximum valve lift: Inlet **8.001** m.m. Exhaust **8.102** m.m.
 Degrees of crankshaft rotation from zero to—
 Maximum lift: Inlet **124°** Exhaust **124°**
 ¾ Maximum lift: Inlet **72°** Exhaust **72°**
 Valve springs: Inlet Exhaust
 Type **straight coil** **straight coil**
 No. per valve **1** **1**
 Carburettor: Type **down draft** No. fitted **1**
 (up or down draft, horizontal)
 Make **Zenith** Model **33 VN**
 Flange hole diameter **33** m.m. Choke diameter **29** m.m.
 Main jet identification No. **92**

Air filter: Type dry-paper or wire mesh No. fitted 1
 Inlet manifold:
 Diameter of flange hole at carburettor 33.0 m.m.
 Diameter of flange hole at port 28.4 m.m.

Photograph of combustion chamber to be affixed here.



Photograph of inlet manifold to be affixed here.

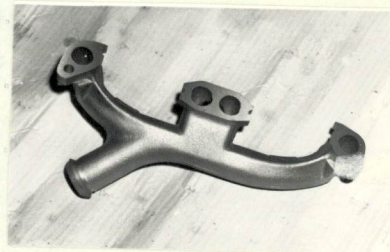


Exhaust manifold:
 Diameter of flange hole at port 36.6 m.m.
 Diameter of flange hole at connection to silencer inlet pipe 36.6 m.m.

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. No. fitted 1
 Method of operation By eccentric on cam shaft
 Type of ignition system coil coil or magneto
 Make of ignition Lucas Model 25 D.4.
 Method of advance and retard Automatic centrifugal and vacuum
 Make of ignition coil Lucas or Delco Model L.A.12
 No. of ignition coils One Voltage 12 volt
 Make of dynamo Lucas Model C.40 L
 Voltage of dynamo 12V Maximum output 25 amps.
 Make of starter motor Lucas Model M35 G
 Battery: No. fitted One Voltage 12 Capacity 38-57 amp. hour
 Oil Cooler (if fitted) type not fitted Capacity --- pints

Make **FORD** Model **CORSAIR DE LUXE** F.I.A. Recognition No. **1369**
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TRANSMISSION

Make of clutch **Ford/Borg Beck** Type **single dry plate**
 Diameter of clutch plate **184.15 mm** No. of plates **one**
 Method of operating clutch **foot pedal and hydraulic cylinder**
 Make of gearbox **Ford** Type **synchro on forward gears**
 No. of gearbox ratios **four forward one reverse**
 Method of operating gearshift **central floor or column**
 Location of gearshift
 Is overdrive fitted? **No**
 Method of controlling overdrive, if fitted **None**

	GEARBOX RATIOS		ALTERNATIVE RATIOS					
	Ratio	No. of Teeth	Ratio	No. of Teeth	Ratio	No. of Teeth	Ratio	No. of Teeth
1.	3.543	<u>32</u> <u>32</u> 17 17	3.543	<u>32</u> <u>32</u> 17 17				
2.	2.396	<u>32</u> <u>28</u> 17 22	2.04	<u>32</u> <u>26</u> 17 24				
3.	1.412	<u>32</u> <u>21</u> 17 28	1.412	<u>32</u> <u>21</u> 17 28				
4.	1.000	direct	1.000	direct				
5.								

Type of final drive **hypoid**
 Type of differential **bevel and pinion**
 Final drive ratio **4.125** Alternatives **4.44**
 No. of teeth **33/8** **40/9**
 Overdrive ratio, if fitted **None**

WHEELS

Type **steel disc** Weight with tyre **12.7** kg.
 Method of attachment **studs and nuts** **4J 4½J**
 Rim diameter **330.2** m.m. Rim width **101.6 114.3** m.m.
 Tyre size: Front **560 x 13 590 x 13** Rear **560 x 13 590 x 13**

BRAKES

Method of operation **Hydraulic**
 Is servo assistance fitted? **yes**
 Type of servo, if fitted **Girling**
 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
Inside diameter of brake drums	--	m.m.	228.6
No. of shoes per brake	--		2
Outside diameter of brake discs	241.3	m.m.	-
No. of pads per brake	2		-
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.	--
Width	47.63	m.m.	44.45
Total area per brake	5787	m.m. ²	18580
			m.m. ²

SUSPENSION

	Front		Rear
Type	independent		longitudinal
Type of spring	coil		semi-elliptic
Is stabiliser fitted?	yes		no
Type of shock absorber	telescopic		telescopic
No. of shock absorbers	2		2

STEERING

Type of steering gear	recirculating ball
Turning circle of car	11.13 m., approx.
No. of turns of steering wheel from lock to lock	3.7

CAPACITIES AND DIMENSIONS

Fuel tank	36.37	litres	Sump	3.267	litres
Radiator	5.85	litres			
Overall length of car	448.6	cm.	Overall width of car	161.0	cm.
Overall height of car, unladen (with hood up, if appropriate)	152.0	cm.			
Distance from floor to top of windscreen :					
Highest point	106.0	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	128.63	cm.	Rear	127.36	cm.
Wheelbase	256.5	cm.	Ground clearance	17.02	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	881.2	kg.	2 door
	898.4		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:—

1. Front under body shield
2. Four blade fan
3. Fuel tank shield
4. Additional fuel tank - 36.37 litres
5. Heavy duty cross member
6. Automatic transmission - Borg Warner Torque Converter

Ratios:-

1st gear	2.393
2nd	1.450
3rd	Direct
Reverse	2.094

