Manufacturers Reference No. for Application 1/65/DAG

F.I.A. Recognition No. 1368

ROYAL AUTOMOBILE CLUB

PALL MALL, LONDON, S.W.I.

Federation Internationale de l'Automobile.

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

Manufacturer FORD MOTOR COMPANY LIMITED

Model CORTINA SUPER Year of Manufacture 1964

Serial No. of Chassis 116E

Engine J20729

Type of Coachwork Saloon

Recognition is valid from 1st February 1965 In category Touring

Photograph to be affixed here ¾ view of car from front right.

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

FÉDÉRATION INTERNATIONALE DE L'AUTOMOBILE

Form: R.F.I.A.

General description of car:

Specify here material/s of chassis/body construction

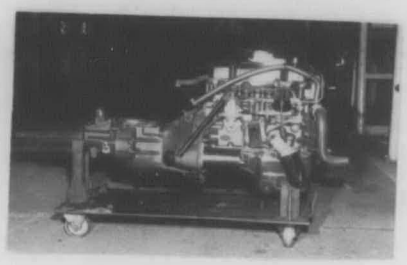
2 or 4 door, 4 seater saloon
Body and chassis unit construction of steel

Photographs to be affixed below.

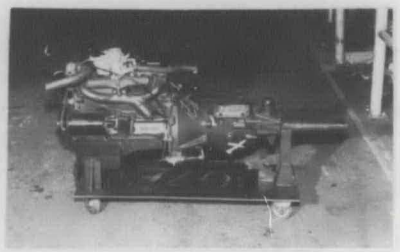
¾ view of car from rear left.

Interior view of car through driver's door.

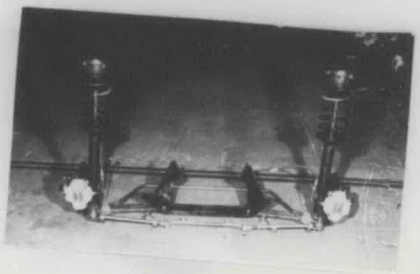
Engine unit with accessories from right.



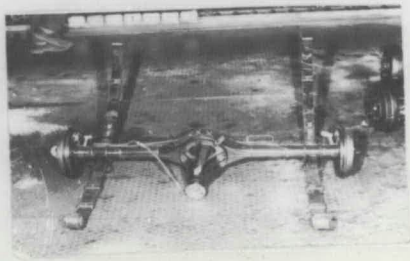
Engine unit with accessories from left.



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 m.m.

Material of cylinder head cast iron Volume of one combustion chamber H.C. 37.17/36.57 I.C. 47.93/46.93

Compression ratio 9:1 (opt 7.5 :1)

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 bronze or aluminium tin 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 2 Method of valve operation camshaft 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 (up or down draft, horizontal) No. fitted 1

Make Zenith Model 33 VN

Flange hole diameter 33 m.m. Choke diameter 29 m.m.

Main jet identification No. 92

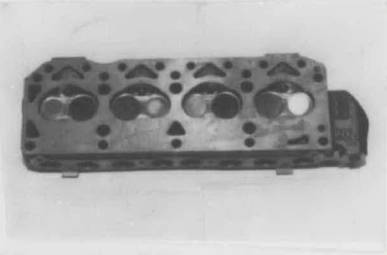
Air filter: Type dry-paper or wire mesh No. fitted 1

Inlet manifold:

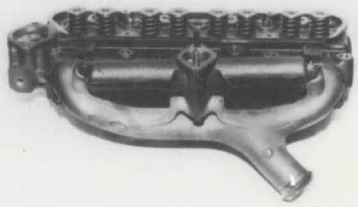
Diameter of flange hole at carburettor 33.0 m.m.

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.

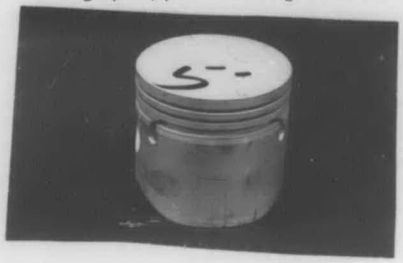


Exhaust manifold:

Diameter of flange hole at port 27.9 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 camshaft

Type of ignition system coil coil or magneto

Make of ignition Lucas Model 25D4

Method of advance and retard Automatic centrifugal and vacuum

Make of ignition coil Lucas, Delco Model LA 12

No. of ignition coils One Voltage 12 volt

Make of dynamo Lucas Model C4CI

Voltage of dynamo 12 volt Maximum output 25 amps.

Make of starter motor Lucas Model M.35 G

Battery: No. fitted One Voltage 12V Capacity 38-57 amp. hour

Oil Cooler (if fitted) type Not fitted Capacity - pints

Make FORD Model Cortina Super F.I.A. Recognition No. 1368

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TRANSMISSION

Make of clutch Ford/Borg Beck Type Single dry plate

Diameter of clutch plate 184.15 No. of plates one

Method of operating clutch foot pedal and hydraulic cylinder

Make of gearbox Ford Type synchro on all forward gears

No. of gearbox ratios 4 forward one reverse

Method of operating gearshift central floor shift

Location of gearshift and column

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	32/17 32/17	3.543	32/17 32/17				
2.	2.396	32/17 28/22	2.04	32/17 26/24				
3.	1.412	32/17 21/28	1.412	32/17 21/28				
4.	1.000	Direct	1.000	Direct				
5.								

Type of final drive Hypoid

Type of differential Bevel 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 stud 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? No

Type of servo, if fitted ---

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	semi-elliptic
Is stabiliser fitted?	yes	no
Type of shock absorber	telescopic	telescopic
No. of shock absorbers		

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 36.37 litres Sump 3.267 litres

Radiator 5.85 litres

Overall length of car 427.5 cm. Overall width of car 150.75 cm.

Overall height of car, unladen (with hood up, if appropriate) 142.24 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 248.92 cm. Ground clearance 170.18 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 [redacted] kgs. 2 door
790 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 crossmember