

Manufacturers Reference No. for Application

8/63/DAG



F.I.A. Recognition No.

1202

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 G.T.** Year of Manufacture..... **1963**

Serial No. of Chassis..... **Z77/C047589 (2 door)** **Z78C 049025 (4 door)**

Engine..... **122E 209 (2 door)** **122E 590 (4 door)**

Type of Coachwork..... **Saloon**

Recognition is valid from..... **9/5/63** In category..... **Touring**

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



Handwritten signature



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 unit construction of steel

Photographs to be affixed below.

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



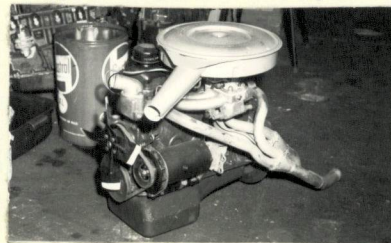
Interior view of car through driver's door.



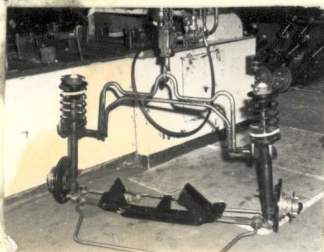
Engine unit with accessories from right.



Engine unit with accessories from left.



Front axle complete (without wheels).



Rear axle complete (without wheels).

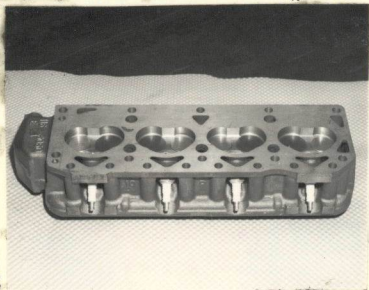


ENGINE

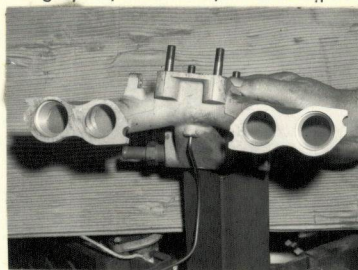
No. of cylinders **4** in line ~~Opposed~~
 Cycle **4 stroke** Firing order **1, 2, 4, 3**
 Capacity **1498** c.c. Bore **80.97** m.m. Stroke **72.75** m.m.
 Maximum rebore **0.762** mm Resultant capacity **1527** c.c.
 Material of cylinder block **Cast iron** Material of sleeves, if fitted **-**
 Distance from crankshaft centre line to top face of block at centre line of cylinders **197.8** m.m.
 Material of cylinder head **Cast iron** Volume of one combustion chamber **36.65** nominal 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 **38.887** m.m.
 Bearings { Crankshaft main bearings: Type **Copper lead steel** Dia. **53.994** m.m.
 Connecting rod big end: Type **Copper lead or lead backed bronze** Dia. **49.206** m.m.
 Weights { Flywheel **8.426** kg.
 Crankshaft **10.447** kg.
 Connecting rod **0.579** kg.
 Piston with rings **0.433 or 0.413** kg.
 Gudgeon pin **0.114 or 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 **35.812** m.m. Exhaust **31.625** m.m.
 Diameter of port at valve seat: Inlet **32.512** m.m. Exhaust **25.40** m.m.
 Tappet clearance for checking timing: Inlet **0.3048 at valve** m.m. Exhaust **0.3354 at valve** 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 **8.727** m.m. Exhaust **8.5192** m.m.
 Degrees of crankshaft rotation from zero to—
 Maximum lift: Inlet **81°** Exhaust **82°**
 $\frac{3}{4}$ Maximum lift: Inlet **54°** Exhaust **53°**
 Valve springs: Inlet **Coil** Exhaust **Coil**
 Type **Coil**
 No. per valve **One**
 Carburettor: Type **Twin-choke down draught** No. fitted **One**
 (up or down draft, horizontal)
 Make **Weber** Model **28/36 DCD 16/18**
 Flange hole diameter **28/36** m.m. Choke diameter **26/27** m.m.
 Main jet identification No. **140/155**

Air filter: Type Dry (Paper element) No. fitted 1
 Inlet manifold: Rectangular hole major measurements on tapered slot 36.068 x 47.244
 Diameter of flange hole at carburettor 36.068 x 47.244 m.m.
 Diameter of flange hole at port 26.92 m.m.

Photograph of combustion chamber to be affixed here.



Photograph of inlet manifold to be affixed here.



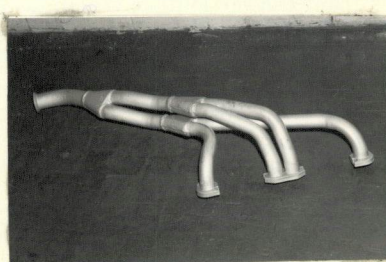
Exhaust

Diameter of flange hole at port 28.55 m.m.
 Diameter of flange hole at connection to silencer inlet pipe 37.948 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 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 IA 12
 No. of ignition coils One Voltage 12
 Make of dynamo Lucas Model C40 L
 Voltage of dynamo 12 Maximum output 25 amps.
 Make of starter motor Lucas Model M35G
 Battery: No. fitted One Voltage 12 Capacity 38 amp. hour
 Oil Cooler (if fitted) type - Capacity - pints

Consul

Make **Ford** Model **Cortina G.T.** F.I.A. Recognition No.
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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**
 Make of gearbox **Ford** Type **Conventional synchromesh on all four gears**
 No. of gearbox ratios **Four and one reverse**
 Method of operating gearshift **Manual**
 Location of gearshift **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.	1.00	Direct	1.00	Direct				
5.								

Type of final drive **Hypoid**
 Type of differential **Bevel and pinion and diff. lock**
 Final drive ratio **3.9** Alternatives **3.77, 4.125, 4.44, 4.7**
 No. of teeth **39/10** **34/9, 33/8, 40/9, 33/7**
 Overdrive ratio, if fitted **-**

WHEELS

Type **Steel disc** Weight **with tyre 12.7** kg.
 Method of attachment **4 R.H. studs**
 Rim diameter **330.2** m.m. Rim width **101.6** m.m.
 Tyre size: Front **5.60 x 13** Rear **5.60 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	2 per wheel		One per wheel
Bore of wheel cylinders	48.06	m.m.	19.05
Inside diameter of brake drums	-	m.m.	228.6
No. of shoes per brake	-		Two
Outside diameter of brake discs	241.3	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.
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 leaf
Is stabiliser fitted?	Yes		No
Type of shock absorber	Armstrong 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	36.37	litres	Sump	3.267	litres
Radiator	5.85	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)	142.24	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	cm.	Rear	125.73	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	756	kgs.	(2 door)
	818		(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 preceeding information:—

1. Front underbody shield
2. Four bladed fan
3. Fuel tank shield
4. 51 A.H. Battery
5. 5½J wheels
6. Additional fuel tank 36.37 litres
7. Variable speed electric wiper
8. Diaphragm type clutch
9. Flywheel (weight 6.36 Kgs.)