

Manufacturers Reference No. for Application

5/63/DAG



F.I.A. Recognition No.

109

# 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 CAPRI G.T. Year of Manufacture..... 1963

Serial No. of Chassis..... H39/476027

Engine..... 8288162

Type of Coachwork..... Coupe

Recognition is valid from..... 9/5/63 In category..... G.T.

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.

Form: R.F.I.A.

General description of car:

Specify here material/s of  
chassis/body construction

2 door 2 (occasional 4) seater  
Fixed head coupe. Body and chassis of steel

Photographs to be affixed below.

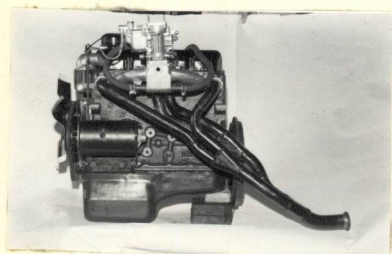
$\frac{3}{4}$  view of car from rear left.



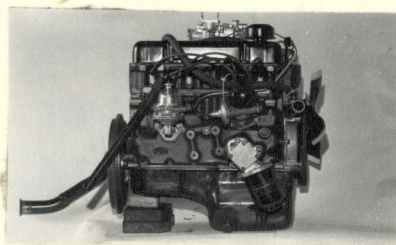
Interior view of car through driver's door.



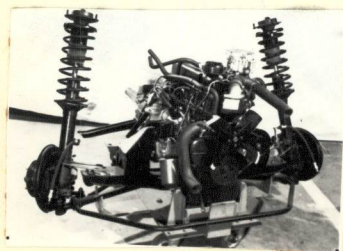
Engine unit with accessories from right.



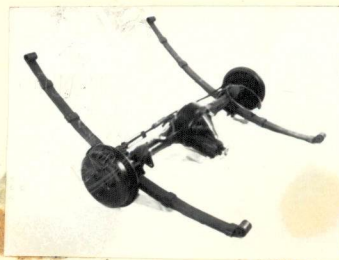
Engine unit with accessories from left.



Front axle complete (without wheels).



Rear axle complete (without wheels).



**ENGINE**

in line .....  
No. of cylinders 4 ~~max~~ .....  
~~opposed~~ .....  
Cycle Four 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 197.8/198 m.m.  
Material of cylinder head Cast iron Volume of one combustion chamber 36.65/37.65 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 38.887/38.836 m.m.  
Bearings { Crankshaft main bearings: Type Copper lead Dia. 55.8578 m.m.  
Connecting rod big end: Type Copper lead or lead bronze Dia. 51.0712 m.m.  
Weights { Flywheel 8.143 kg.  
Crankshaft 10.447 kg.  
Connecting rod 0.579 kg.  
Piston with rings 0.404 kg.  
Gudgeon pin 0.114 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 35.687/37.941 m.m. Exhaust 31.496/31.750 m.m.  
Diameter of port at valve seat: Inlet 32.512 m.m. Exhaust 25.40 m.m.  
Tappet clearance for checking timing: at valve  
Inlet 0.3048 m.m. Exhaust 0.5588 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 68° Exhaust 68°  
 $\frac{3}{4}$  Maximum lift: Inlet 40° Exhaust 38.5°  
Valve springs: Inlet Exhaust  
Type Helical coils Helical coils  
No. per valve One One  
Carburettor: Type 2 barrel compound D/D 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. 140/150

Air filter: Type Dry (Paper element) No. fitted One

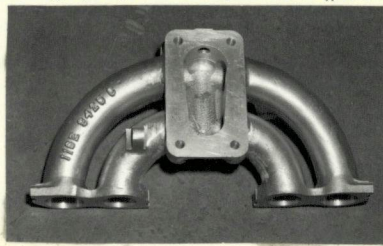
Inlet manifold:

Diameter of flange hole at carburettor Major & minor dia. of tapering slot m.m.  
are respectively 37.592 & 29.718. Their centres 47.244 apart.  
Diameter of flange hole at port 26.924 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 28.448 m.m.

Diameter of flange hole at connection to silencer inlet pipe 38.125 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 25D4 (blue spot)

Method of advance and retard Automatic centrifugal and vacuum

Make of ignition coil Lucas or A.C. Model IA 12

No. of ignition coils One Voltage 12v

Make of dynamo Lucas Model C40L.T 132

Voltage of dynamo 12 Maximum output 25 amps.

Make of starter motor Lucas Model M35G 1.16

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

Oil Cooler (if fitted) type - Capacity - pints

Make **FORD** Model **CONSUL CAPRI** F.I.A. Recognition No. **G.T.**  
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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**  
 No. of gearbox ratios **Four forward and 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	$\frac{32}{17} \times \frac{28}{28}$	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**  
 Final drive ratio **4.125** Alternatives **-**  
 No. of teeth **33/8**  
 Overdrive ratio, if fitted **-**

**WHEELS**

Type **Steel disc** Weight (Wheel and tyre) **12.7** kg.  
 Method of attachment **Four 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? **Yes**  
 Type of servo, if fitted **Girling. Suspended vacuum**  
 No. of hydraulic master cylinders **One** Bore **22.225** m.m.

	Front	Rear
No. of wheel cylinders	Two	One
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	60.45 m.m.	210.3 m.m.
Width	47.63 m.m.	44.45 m.m.
Total area per brake	5787 m.m. <sup>2</sup>	18581 m.m. <sup>2</sup>

### SUSPENSION

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

### STEERING

Type of steering gear	Recirculating ball
Turning circle of car	10.36 m., approx.
No. of turns of steering wheel from lock to lock	Three

### CAPACITIES AND DIMENSIONS

Fuel tank	40.914 litres	Sump	3.196 litres
Radiator	5.948 litres		
Overall length of car	433.75 cm.	Overall width of car	165.61 cm.
Overall height of car, unladen (with hood up, if appropriate)	136.73 cm.		
Distance from floor to top of windscreen:			
Highest point	97.8 cm.	Lowest point	94.0 approx cm.
Width of windscreen:			
Maximum width	124.5 cm.	Minimum width	109.2 approx cm.
*Interior width of car	122.2 cm.		
No. of seats	Two		
Track: Front	125.73 cm.	Rear	125.73 cm.
Wheelbase	251.66 cm.	Ground clearance	148.8 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 925 kgs.

**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.<sup>2</sup>

Size of exhaust port:

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

Height.....m.m. Area.....m.m.<sup>2</sup>

Size of transfer port:

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

Height.....m.m. Area.....m.m.<sup>2</sup>

Size of piston port:

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

Height.....m.m. Area.....m.m.<sup>2</sup>

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. Engine sump shield
2. Four blade fan
3. Fuel tank shield
4. Heavy duty suspension
5. 5.90 x 13 tyres
6. Laminated glass windscreen
7. 51 AH battery