

Manufacturers Reference No. for Application

4/62/DAG



F.I.A. Recognition No.

1149

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..... **116E/117E CONSUL CLASSIC** Year of Manufacture **1962**

Serial No. of Chassis..... **116E/140437**

Engine..... **116E/140437**

Type of Coachwork..... **SALOON 2 OR 4 DOOR**

Recognition is valid from..... **8 OCT 1962** In category..... **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 OR 4 DOOR 4 SEATER SALOON
BODY AND CHASSIS OF STEEL

Photographs to be affixed below.

¾ view of car from rear left.



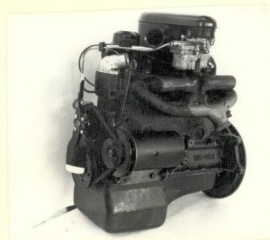
Interior view of car through driver's door.



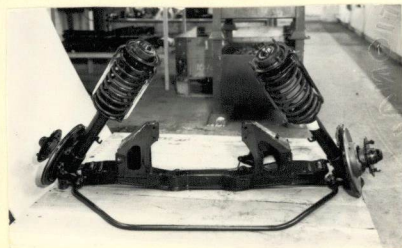
Engine unit with accessories from right.



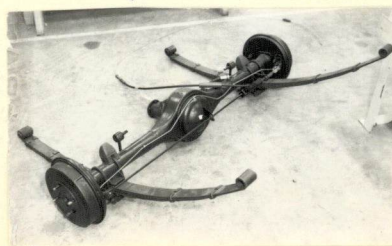
Engine unit with accessories from left.



Front axle complete (without wheels).



Rear axle complete (without wheels).



ENGINE

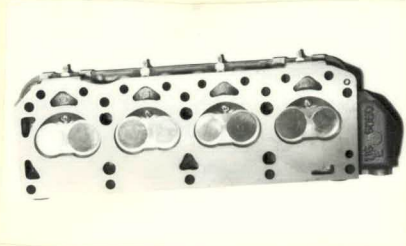
in line
 No. of cylinders. **FOUR** in V
 opposed
 Cycle. **FOUR STROKE** Firing order. **1 - 2 - 4 - 3**
 Capacity. **1498** c.c. Bore. **80.97** m.m. Stroke. **72.75** m.m.
 Maximum rebore. **0.762** MM Resultant capacity. **1527** c.c.
 Material of cylinder block. **CAST IRON** Material of sleeves, if fitted. **-**
 Distance from crankshaft centre line to top face of block at centre line of cylinders **187.8/198** m.m.
 Material of cylinder head. **CAST IRON** Volume of one combustion chamber **HC 43.4** c.c.
LC 54.5
 Compression ratio. **8.3:1 (OPT 7.3:1)**
 Material of piston. **ALUMINIUM ALLOY** No. of piston rings. **THREE**
 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 OR** Dia. **49.2/49.2125** m.m.
 Flywheel **8.28** kg. **LEAD BRONZE**
 Crankshaft **10.43** kg.
 Weights { Connecting rod **0.558** kg.
 Piston with rings **0.413** kg.
 Gudgeon pin **0.099** kg.
 No. of valves per cylinder. **TWO** Method of valve operation. **PUSH ROD AND ROCKER**
 No. of camshafts. **ONE** 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** m.m. Exhaust **0.432** 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°**
 $\frac{3}{4}$ Maximum lift: Inlet **72°** Exhaust **72°**
 Valve springs: Inlet Exhaust
 Type **STRAIGHT COIL** **STRAIGHT COIL**
 No. per valve **ONE** **ONE**
 Carburettor: Type **DOWN DRAFT** (up or down draft, horizontal) No. fitted **ONE**
 Make **ZENITH** Model **33VN**
 Flange hole diameter **33** m.m. Choke diameter **29** m.m.
 Main jet identification No. **92**

Air filter: Type DRY - PAPER TYPE No. fitted ONE

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 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 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 M25G

Battery: No. fitted ONE Voltage 12V Capacity 3.8 amp. hour

Oil Cooler (if fitted) type - Capacity - pints

Make **FORD** Model **CONSUL CLASSIC** F.I.A. Recognition No.

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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**
 Make of gearbox **FORD** Type **CONVENTIONAL SYNCHROMESH**
 No. of gearbox ratios **FOUR**
 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	$\frac{32}{17} \times \frac{28}{22}$	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.	1.000	DIRECT	1.000	DIRECT				
5.								

Type of final drive **HYPROID**
 Type of differential **BEVEL AND PINION**
 Final drive ratio **4.125** Alternatives **4.111** ~~4.444~~ **4.7**
 No. of teeth **33/8** **37/9**
 Overdrive ratio, if fitted **-**

WHEELS

Type **STEEL DISC** Weight (WHEEL & TYRE) **12.7** kg.
 Method of attachment **4 STUD** **5.60 - 13**
 Rim diameter **330.2** m.m. Rim width **101.6** m.m.
 Tyre size: Front **5.60 - 13** Rear **5.60 - 13**

BRAKES

Method of operation **HYDRAULIC**
 Is servo assistance fitted? **NO**
 Type of servo, if fitted **-**
 No. of hydraulic master cylinders **ONE** Bore **19.05** m.m.

	Front	Rear
No. of wheel cylinders	TWO	ONE
Bore of wheel cylinders	48.06 m.m.	22.225 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	57.87 m.m. ²	185.81 m.m. ²

SUSPENSION

	Front	Rear
Type	INDEPENDENT	LONGITUDINAL
Type of spring	COIL SPRINGS	SEMI ELLIPTIC
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	3

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)	143.13 cm.		
Distance from floor to top of windscreen:			
Highest point	100.3 cm.	Lowest point	94.6 cm. (APPROX)
Width of windscreen:			
Maximum width	124.5 cm.	Minimum width	110.8 cm. (APPROX)
*Interior width of car	122.2 cm.		
No. of seats	FOUR		
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 904.0 kgs. (2 DOOR)

925.8 (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.....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.....



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Optional Equipment

1. ENGINE SUMP SHIELD
2. FOUR BLADE FAN
3. FUEL TANK SHIELD
4. HEAVY DUTY SUSPENSION
5. 5.90 - 13 TYRES
6. LAMINATED GLASS WINDSCREEN
7. 51 AH BATTERY
8. ADDITIONAL FUEL TANK 40.914 LITRES.



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