

Manufacturers Reference No. for Application

2/63/DAG



F.I.A. Recognition No.

1150

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..... 113E/114E Consul Cortina..... Year of Manufacture..... 1962

Serial No. of Chassis..... Z73B 500004

Engine..... 113E 152

Type of Coachwork..... Saloon 2 or 4 door

Recognition is valid from..... - 8 OCT 1962..... In category..... Touring

liste 9/16

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

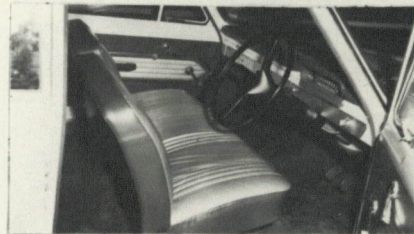
2 or 4 door 4 seater
Body and chassis of steel

Photographs to be affixed below.

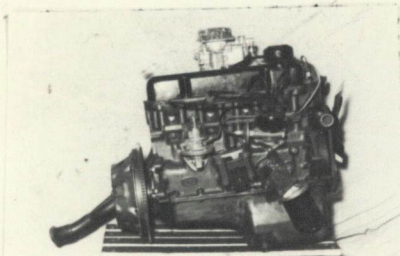
¾ view of car from rear left.



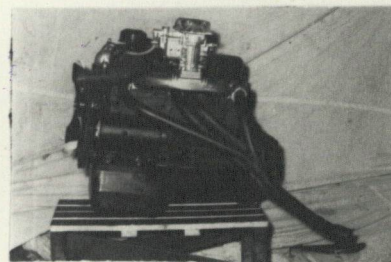
Interior view of car through driver's door.



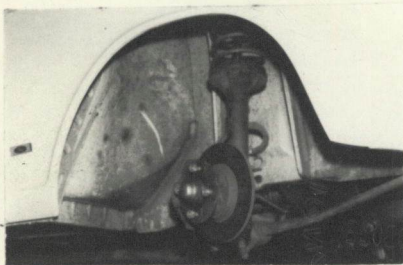
Engine unit with accessories from right.



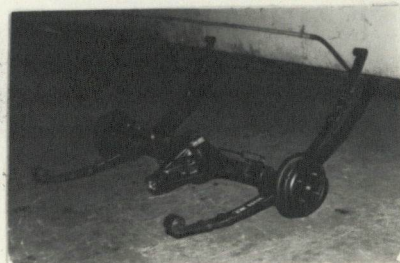
Engine unit with accessories from left.



Front axle complete (without wheels).



Rear axle complete (without wheels).



ENGINE

in line Yes
 No. of cylinders..... 4 in V
 opposed
 Cycle Four stroke Firing order 1,2,4,3
 Capacity 1198 c.c. Bore 80.97 m.m. Stroke 58.17 m.m.
 Maximum rebore 1.143 Resultant capacity 1232 c.c.
 Material of cylinder block Cast iron Material of sleeves, if fitted Cast iron
 Distance from crankshaft centre line to top face of block at centre line of cylinders 180.73/180.94 m.m.
 Material of cylinder head cast iron Volume of one combustion chamber 28.35 c.c.
 Compression ratio 9.97:1
 Material of piston aluminium alloy No. of piston rings three
 Distance from gudgeon pin centre line to highest point of piston crown 38.664 m.m.
 Bearings { Crankshaft main bearings: Type copper lead steel backed Dia. 54.001 m.m.
 Connecting rod big end: Type copper lead or lead bronze Dia. 49.22 m.m.
 Flywheel 6.36 kg.
 Weights { Crankshaft 7.68 kg.
 Connecting rod 0.537 kg.
 Piston with rings 0.362 kg.
 Gudgeon pin 0.103 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 39.75 m.m. Exhaust 34.54 m.m.
 Diameter of port at valve seat: Inlet 36.67 m.m. Exhaust 31.72 m.m.
 Tappet clearance for checking timing: Inlet 0.305 m.m. Exhaust 0.559 m.m.
 Valves open: Inlet 27° B.T.C. Exhaust 65° B.B.C.
 Valves close: Inlet 65° ABDC Exhaust 27° A.T.C.
 Maximum valve lift: Inlet 8.509 m.m. Exhaust 8.763 m.m.
 Degrees of crankshaft rotation from zero to—
 Maximum lift: Inlet 129° Exhaust 123°
 ¾ Maximum lift: Inlet 72.4° Exhaust 63°
 Valve springs: Inlet Exhaust
 Type helical coil helical coil
 No. per valve two two
 Carburettor: Type twin choke side draft No. fitted two
 (up or down draft, horizontal)
 Make Weber Model 40 DCOE
 Flange hole diameter 40 m.m. Choke diameter 31 m.m.
 Main jet identification No. 120

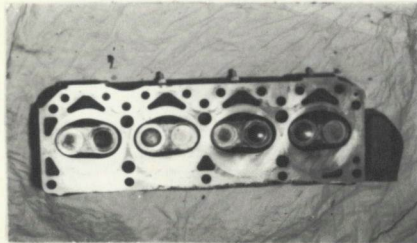
Air filter: Type..... No. fitted.....

Inlet manifold:

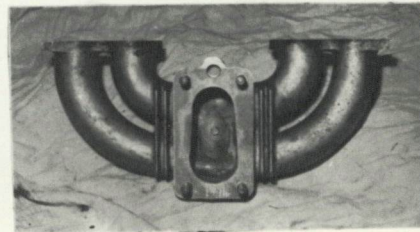
Diameter of flange hole at carburettor..... 47.24.....m.m.

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 manifold:

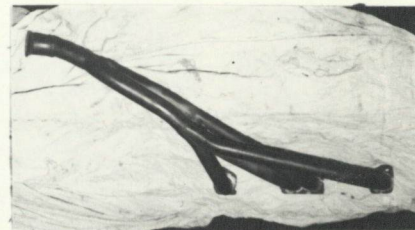
Diameter of flange hole at port..... 25.58.....m.m.

Diameter of flange hole at connection to silencer inlet pipe..... 38.10.....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.....	LA 12
No. of ignition coils.....	One	Voltage.....	12v
Make of dynamo.....	Lucas	Model.....	C40
Voltage of dynamo.....	12v	Maximum output.....	25 amps.
Make of starter motor.....	Lucas	Model.....	M 35 G
Battery: No. fitted.....	One	Voltage.....	12 v
		Capacity.....	38 amp. hour
Oil Cooler (if fitted) type.....	-	Capacity.....	- pints

Make FORD Model CORTINA F.I.A. Recognition No.

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TRANSMISSION

Make of clutch Ford Type Single 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
 Location of gearshift Remote control central lever or column change
 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 Hypoid
 Type of differential Bevel and pinion or ZF limited slip
 Final drive ratio 4.125 Alternatives 4.111 4.129 4.7
 No. of teeth 33/8 37/9
 Overdrive ratio, if fitted -

WHEELS

Type Steel discs Weight (Wheel & Tyre) 11.79 kg.
 Method of attachment L.R.H. Studs
 Rim diameter 330.2 m.m. Rim width 92.075 J m.m.
 Tyre size: Front 5.20 x 13 Rear 5.20 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 per wheel		One
Bore of wheel cylinders	40.60	m.m.	19.05 m.m.
Inside diameter of brake drums	-	m.m.	203.2 m.m.
No. of shoes per brake	-		Two
Outside diameter of brake discs	231.65	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	60.20	m.m.	159.0 m.m.
		m.m.	m.m.
Width	34.04	m.m.	38.1 m.m.
Total area per brake	4000.24	m.m. ²	12,161 m.m. ²

SUSPENSION

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

STEERING

Type of steering gear	Recirculating ball
Turning circle of car	10.467 m., approx.
No. of turns of steering wheel from lock to lock	2 $\frac{3}{4}$

CAPACITIES AND DIMENSIONS

Fuel tank	36.37	litres	Sump	3.196	litres
Radiator	5.948	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) 143.89 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 Four					
Track: Front		125.73	cm.	Rear 125.73 cm.	
Wheelbase		218.92	cm.	Ground clearance 162.6 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	756.2	kg.	(2 door)
	773.4		(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

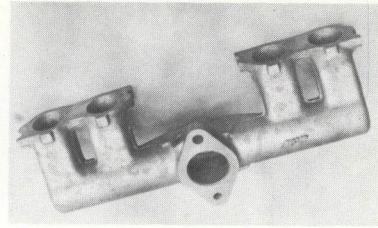
Make of pump..... Model or Type No.....

Make of injectors..... Model or Type No.....

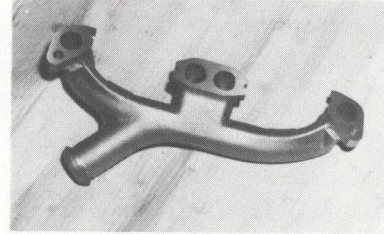
Location of injectors.....

Optional equipment affecting preceding information:—

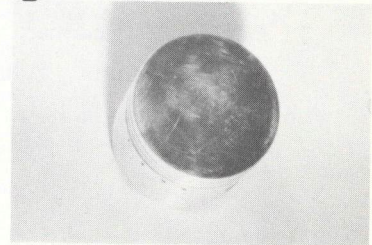
1. Front underbody shield
2. Four blade fan
3. Fuel tank shield
4. Heavy duty suspension
5. Additional fuel tank 31.82 litres
6. Inlet manifold: Part No. 109E 9525B



7. Exhaust manifold: Part No. 105E 9430C



8. Solex 30PSE12 carburettor Part No. 123E 9510
9. Air cleaner (A.C. paper element) Part No. 123E 9600 B
10. Camshaft: Part No. 109E 6250
 - Valves open inlet 17° B.T.D.C. exhaust 51° B.B.D.C.
 - Valves close inlet 51° A.B.D.C. exhaust 17° A.T.D.C.
 - Max. Valve lift inlet 7.99 exhaust 8.075
 - Max. lift from zero inlet 142° exhaust 153°
 - $\frac{3}{4}$ lift from zero inlet 91° exhaust 100°
11. Front brakes 8" x 1.75" drum
12. Modified rocker cover
13. Diaphragm type clutch (with aluminium bell housing and aluminium gearbox extension)
14. One piece crankshaft pulley
15. Steel main bearing caps
16. Variable speed electric wiper
17. Single valve springs: Part No. 109E - 6513
18. Aluminium differential housing
19. 113E cylinder head: Part No. 113E 6085A touring
20. 113E pistons (aluminium alloy) Part No. 113E 6250 weight .417 kg (with rings)
Pistons Part No. 116E 6250 CO weight .453 kg (with rings)



21. Two dowels locating flywheel to crankshaft

Optional equipment affecting preceding information:—

- Engine Sump Shield
- Four Blade Fan
- Fuel tank Shield
- Laminated glass windscreen
- Heavy duty suspension
- Additional Fuel Tank 31.83 litres

TOURING
EQUIPMENT

- Cylinder head Part No. 113E 6085A
- Low Compression cylinder head Part No. 113E 6085B
- Inlet Manifold Part No. 105E 9525B
- Carburettor Solex Part No. 123E 9510
- Exhaust Manifold Part No. 105E 9430C
- Camshaft Part No. 109E 6250
- Air Filter Part No. 123E 9600B
- Front brake 8" x 1 $\frac{3}{4}$ " drums