

Manufacturers Reference No. for Application

9/63/DAG



F.I.A. Recognition No. 1218

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..... NEW ANGLIA Year of Manufacture..... 1960 onwards

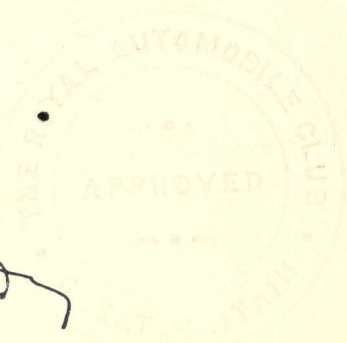
Serial No. of Chassis..... 105E 0029

Engine..... 105E 0029

Type of Coachwork..... 2 door saloon

Recognition is valid from..... 1962..... In category..... Touring

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.

The FEDERATION INTERNATIONALE de l'AUTOMOBILE

Form: R.F.I.A.

General description of car:

Specify here material/s of chassis/body construction

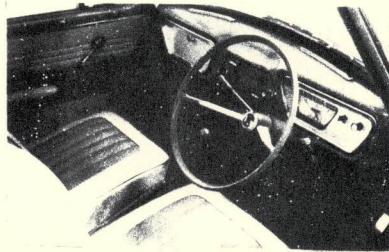
2 door, 4 seater saloon

Photographs to be affixed below.

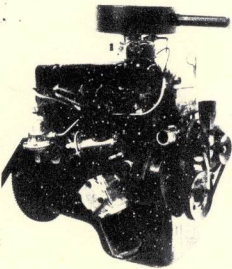
$\frac{3}{4}$ view of car from rear left.



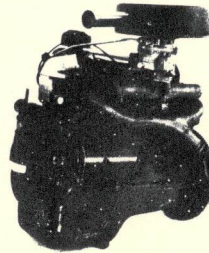
Interior view of car through driver's door.



Engine unit with accessories from right.



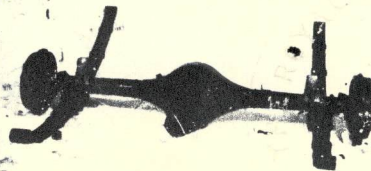
Engine unit with accessories from left.



Front axle complete (without wheels).



Rear axle complete (without wheels).



ENGINE

No. of cylinders Four in line
~~in V~~
~~opposed~~
 Cycle 4 stroke Firing order 1, 2, 4, 3
 Capacity 996.6 c.c. Bore 80.96 m.m. Stroke 48.4124 m.m.
 Maximum rebore 0.030" (0.762mm) Resultant capacity 1015.81 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 180.87/181.07 m.m.
 Material of cylinder head Cast iron Volume of one combustion chamber 24/25 c.c.
 Compression ratio 8.9 : 1
 Material of piston Aluminium Alloy No. of piston rings 3
 Distance from gudgeon pin centre line to highest point of piston crown 38.836/38.887 m.m.
 Bearings { Crankshaft main bearings: Type Steel backed - Dia. 53.99 m.m.
 Connecting rod big end: Type Lead bronze or Dia. 49.2 m.m.
 Flywheel 6.64 kg. Copper lead with lead overlay
 Crankshaft 7.529 kg.
 Weights { Connecting rod 0.5715 kg.
 Piston with rings 0.4145 kg.
 Gudgeon pin 0.097 kg.
 No. of valves per cylinder 2 Method of valve operation Push rod and rocker
 No. of camshafts 1 Location of camshafts In block
 Type of camshaft drive Chain
 Diameter of valves: Inlet 32.18 m.m. Exhaust 31.175 m.m.
 Diameter of port at valve seat: Inlet 27.68 m.m. Exhaust 25.4 m.m.
 Tappet clearance for checking timing: Inlet 0.254 m.m. Exhaust 0.406 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°
 ¾ Maximum lift: Inlet 54° Exhaust 43°
 Valve springs: Inlet Exhaust
 Type Straight Coil Straight Coil
 No. per valve One One
 Carburettor: Type Down draught No. fitted One
(up or down draft, horizontal)
 Make Zenith Model 32-VN-2
 Flange hole diameter 32 m.m. Choke diameter 26 m.m.
 Main jet identification No. 65

Air filter: Type..... Dry or oil bath No. fitted..... One

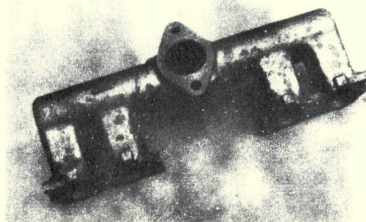
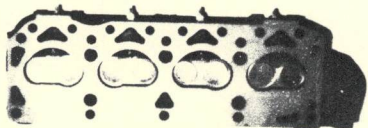
Inlet manifold:

Diameter of flange hole at carburettor..... 33.02 m.m.

Diameter of flange hole at port..... 28.45 m.m.

Photograph of combustion chamber to be affixed here.

Photograph of inlet manifold to be affixed here.



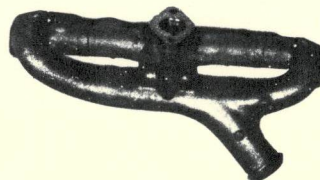
Exhaust manifold:

Diameter of flange hole at port..... 27.94 m.m.

Diameter of flange hole at connection to silencer inlet pipe..... 36.57 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..... Coil coil or magneto

Make of ignition..... Lucas Model (Distributor) Type DM 2

Method of advance and retard..... Centrifugal and Vacuum

Make of ignition coil..... Lucas or A.C. Model Lucas LA 12 - oil filled

No. of ignition coils..... One Voltage 12

Make of dynamo..... Lucas Model C 40

Voltage of dynamo..... 12 Maximum output 20 amps.

Make of starter motor..... Lucas Model M 35 H

Battery: No. fitted..... One Voltage 12 Capacity 38 amp. hour @ 20 Hr.

Oil Cooler (if fitted) type..... - Capacity..... bits

Make FORD Model ANGLIA F.I.A. Recognition No. _____
 Manufacturers Reference No. of Application 9/63/DAG

TRANSMISSION

Make of clutch Ford/Borg and Beck Type Dry Plate
 Diameter of clutch plate 183.75 mm No. of plates One
 Method of operating clutch Hydraulically operated
 Make of gearbox Ford Type Conventional Synchronesh
 No. of gearbox ratios Four forward and one reverse
 Method of operating gearshift Hand
 Location of gearshift Floor - Remote Control
 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.	4.118	$\frac{32}{17} \times \frac{35}{16}$						
2.	2.396	$\frac{32}{17} \times \frac{28}{22}$						
3.	1.412	$\frac{32}{17} \times \frac{21}{28}$			NONE			
4.	1.000	Direct						
5.								

Type of final drive Semi-floating Hypoid
 Type of differential Bevel and pinion
 Final drive ratio 4.125 Alternatives 4.429
 No. of teeth 8/33 7/31
 Overdrive ratio, if fitted -

WHEELS

Type Steel Disc Weight 4.98 kg.
 Method of attachment 4 Bolts
 Rim diameter 330 m.m. Rim width 92.0 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



	Front	Rear
No. of wheel cylinders	Two	One
Bore of wheel cylinders	19.05 m.m.	17.78 m.m.
Inside diameter of brake drums	203.2 m.m.	203.2 m.m.
No. of shoes per brake	Two	Two
Outside diameter of brake discs	-	-
No. of pads per brake	-	-
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	159 m.m.	159 m.m.
Width	44.45 m.m.	38.1 m.m.
Total area per brake	14187 m.m. ²	12161 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	Lever Arm
No. of shock absorbers	Two	Two

STEERING

Type of steering gear..... Recirculating Ball

Turning circle of car..... 9.75 m., approx.

No. of turns of steering wheel from lock to lock..... 2 $\frac{3}{4}$

CAPACITIES AND DIMENSIONS

Fuel tank..... 31.82 litres Sump..... 2.273 litres

Radiator..... 2.44 litres

Overall length of car..... 389.9 cm. Overall width of car..... 145.6 cm.

Overall height of car, unladen (with hood up, if appropriate)..... 143.8 cm.

Distance from floor to top of windscreen: 99.06 (Approx)

Highest point..... cm. Lowest point..... cm.

Width of windscreen:

Maximum width..... 105.41 cm. Minimum width..... 93.98 cm. (Approx)

*Interior width of car..... 114.3 cm.

No. of seats..... Four

Track: Front..... 116.8 cm. Rear..... 116.3 cm.

Wheelbase..... 229.87 cm. Ground clearance..... 162.5 m.m.

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..... 718.5 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.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. Engine Sump Shield

2. AH Battery

3. Four Bladed fan

4. 105E Camshaft

	<u>Inlet</u>	<u>Exhaust</u>
Valves Open	10° B.T.D.C.	44° B.B.D.C.
Valves Close	50° A.B.D.C.	10° A.T.D.C.
Maximum Valve Lift	7.092 mm	6.939 mm

Degrees of Crankshaft Rotation from Zero to:

Maximum Lift	138°	147°
$\frac{3}{4}$ Maximum Lift	92°	102°

5. Touring Camshaft

	<u>Inlet</u>	<u>Exhaust</u>
Valves Open	17° B.T.D.C.	51° B.B.D.C.
Valves Close	51° A.B.D.C.	17° A.T.D.C.
Maximum Valve Lift	7.993 mm	8.08 mm

Degrees of Crankshaft Rotation from zero to:

Maximum lift	184°	218°
$\frac{3}{4}$ Maximum lift	136°	168°

6. Inlet Manifold - Flange hole at Carburettor: 28.06 mm dia.
Flange hole at Port: 25.4 mm dia.

7. Solex Type B 30 - ZIC 3 Carburettor - Flange hole 30 mm dia.

8. Fuel Tank Shield

9. Heavy Duty Suspension - Front and rear

10. Laminated Glass Windscreen

11. Additional fuel tank 31.82 litres capacity

12. Cast iron or steel main bearing caps

13. Optional brake drum size: Dimensions of brake linings per shoe or pad:

Length:	195.1 mm front	195.1 mm rear
Width:	31.75 mm front	31.75 mm rear
Total area per brake	24744 mm ² front	24744 mm ² rear

Manufacturers Reference No. for Application

9/63/DAG/A



F.I.A. Recognition No. 1218

A/V

ROYAL AUTOMOBILE CLUB

PALL MALL, LONDON, S.W.1.

Federation Internationale de l'Automobile.

Amendment to Form of Recognition

Manufacturer..... FORD MOTOR COMPANY LIMITED

Model..... ANGLIA

Additional Information

When fitted with 4 $\frac{1}{2}$ J or 5 $\frac{1}{2}$ J wheels the track width is 48 inches.



Hubert [Signature]

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

Date amendment is valid from

1st August 1965

Form: R.F.I.B.



MOTOR SPORT DIVISION
 The Royal Automobile Club,
 31 Belgrave Square, London, S.W.1

Manufacturer FORD
 Model ANGLIA 997
 F.I.A. Recognition No. 1218 B/V
 Amendment No. 1

Amendment to Form of Recognition

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

GROUP II

No.	Reference No.	<u>ALTERNATIVE FOUR SPEED SYNCHROMESH GEARBOX</u>	<u>PART NUMBER</u>
14	277	<u>Gear ratios</u> 1 2.97 $\frac{30}{19} \times \frac{32}{17}$ 2 2.01 $\frac{30}{19} \times \frac{28}{22}$ 3 1.40 $\frac{30}{19} \times \frac{23}{26}$ 4 Direct Reverse 3.324 $\frac{30}{19} \times \frac{40}{22}$ via 19	118E 7001

Date amendment is valid from

1st April 1967
List 16/1



Stamp of F.I.A./R.A.C.



MOTOR SPORT DIVISION
The Royal Automobile Club,
31 Belgrave Square, London, S.W.1

Manufacturer FORD

Model NEW ANGLIA

F.I.A. Recognition No. 1218 1/ET

Amendment No. 1

Amendment to Form of Recognition

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

No.

Reference No.

ERRATA

1.

.. Amendment to homologated weight from:-
Chassis No. B22FG 56982
Weight 701 Kgs. or 1545 lbs.

Date amendment is valid from 1st Jan. 1967

Subscribed

