

Manufacturers Reference No. for Application

3/61/DAG



F.I.A. Recognition No. 1088

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 CO LTD

Model NEW ANGLIA Year of Manufacture 1960 *over*

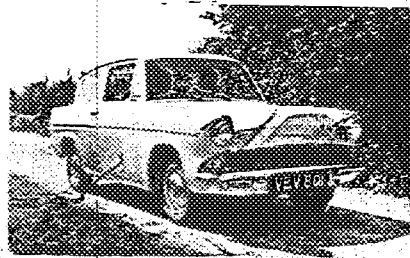
Serial No. of Chassis 105E 0029

Engine 105E 0029

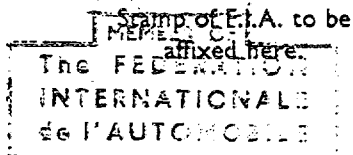
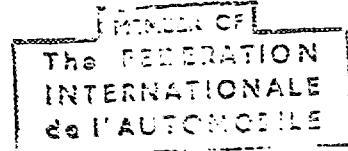
Type of Coachwork 2 door saloon

Recognition is valid from 6-DEC-61. In category *T*

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



Robert J. ...

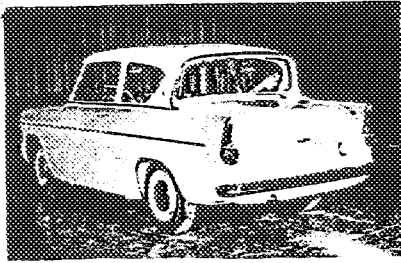


General description of car:

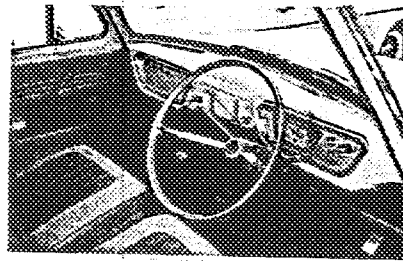
2 door, 4 seater saloon.

Photographs to be affixed below.

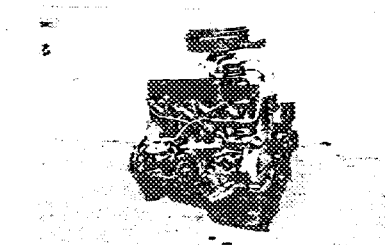
¾ view of car from rear left.



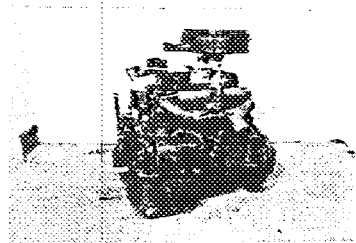
Interior view of car through driver's door.



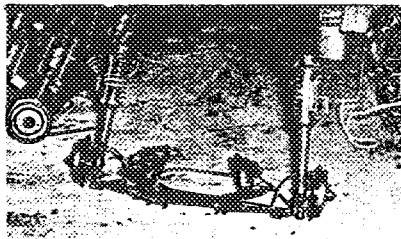
Engine unit with accessories from right.



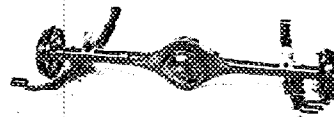
Engine unit with accessories from left.



Front axle complete (without wheels).



Rear axle complete (without wheels).

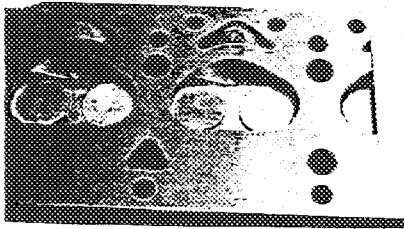


ENGINE

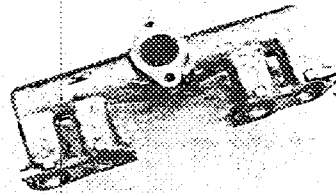
in line _____
 No. of cylinders FOUR ~~in V~~ _____
~~opposed~~ _____
 Cycle 4 STROKE Firing order 1, 2, 4, 3,
 Capacity 996.6 c.c. Bore 80.96 m.m. Stroke 48.4124 m.m.
 Maximum rebore .030 IN (0.762 MM) Resultant capacity 1015.81 c.c.
 Material of cylinder block CAST IRON Material of sleeves, if fitted -
 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 COPPER LEAD WITH LEAD OVERLAY Dia. 49.20 m.m.
 Weights { Flywheel 6.64 kg.
 Crankshaft 7.529 kg.
 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 & 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 17° BTDC Exhaust 51° BBDC
 Valves close: Inlet 51° ABDC Exhaust 17° ATDC
 Maximum valve lift: Inlet 7.993 m.m. Exhaust 8.08 m.m.
 Degrees of crankshaft rotation from zero to—
 Maximum lift: Inlet 184° Exhaust 218°
 ¼ Maximum lift: Inlet 136° Exhaust 168°
 Valve springs: Inlet Exhaust
 Type STRAIGHT COIL STRAIGHT COIL
 No. per valve ONE ONE
 Carburettor: Type DOWN DRAFT 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.

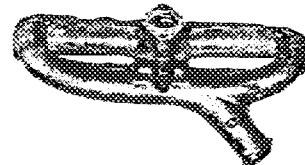


Exhaust manifold:
 Diameter of flange hole at port 27.94 m.m.
 Diameter of flange hole at connection to silencer inlet pipe 36.57 m.m.

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 DM2
 Method of advance and retard CENTRIFUGAL & VACUUM
 Make of ignition coil LUCAS OR A.C. Model LUCAS LA12 - OIL FILLED
 No. of ignition coils ONE Voltage 12
 Make of dynamo LUCAS Model C40
 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
 OPT 51 " " @ 20 HR

Make FORD Model ANGLIA F.I.A. Recognition No. _____
 Manufacturers Reference No. of Application _____

TRANSMISSION

Make of clutch FORD/ BORG & 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 SYNCHROMESH
 No. of gearbox ratios FOUR FORWARD, 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 & 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 - 13 Rear 5.20 - 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 | | ONE |
| Bore of wheel cylinders | 19.05 | m.m. | 17.78 |
| Inside diameter of brake drums | 203.2 | m.m. | 203.2 |
| No. of shoes per brake | TWO | | TWO |
| Outside diameter of brake discs | = | m.m. | = |
| 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 | 195.1 | m.m. | 195.1 |
| | | m.m. | m.m. |
| Width | 31.75 | m.m. | 31.75 |
| Total area per brake | 24,744 | m.m. ² | 24,744 |
| | | | m.m. ² |

SUSPENSION

| | Front | | Rear |
|------------------------|-------------|--|---------------|
| Type | INDEPENDENT | | LONGITUDINAL |
| Type of spring | COIL SPRING | | 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 | CM (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. |

*(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.)

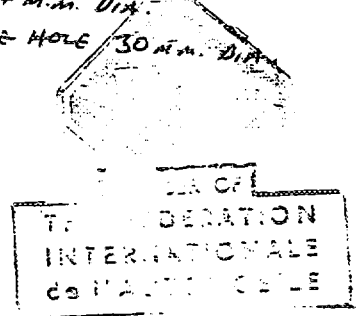
Overall weight with water, oil and spare wheel, but without fuel 718.5 kgs.

Optional equipment affecting preceding information:—

1. ENGINE SUMP SHIELD
2. FOUR BLADE FAN
3.  105E - CAMSHAFT
4.  INLET MANIFOLD
5.  SOLEX TYPE B 30-ZIC 3 CARBURETTOR
6. FUEL TANK SHIELD
7. HEAVY DUTY SUSPENSION - FRONT & REAR
8. LAMINATED GLASS WINDSCREEN



FLANGE HOLE AT CARBURETTOR: 28.06 m.m. DIA.
 FLANGE HOLE AT PORT: 25.4 m.m. DIA.



DETAILS OF 105E CAMSHAFT:

DEGREES OF CAMSHAFT ROTATION FROM ZERO TO —

| | | |
|-------------------|--------------|----------------|
| | <u>INLET</u> | <u>EXHAUST</u> |
| MAXIMUM LIFT: | 138 | 147 |
| 3/4-MAXIMUM LIFT: | 92 | 102 |

| | |
|------------------|------------|
| VALUES OPEN: | 10° BTDC |
| VALUES CLOSE: | 50° ABDC |
| MAX. VALVE LIFT: | 7.092 m.m. |

| |
|------------|
| 44° BBDC |
| 10° ATDC |
| 6.939 m.m. |

