



F.I.A. Recognition No. 1010

# 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 Jaguar Cars Limited.

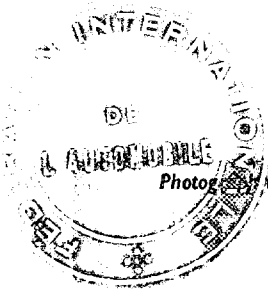
Model 2.4 litre Mark 2 Year of Manufacture 1959 - 60  
(Automatic transmission)

Chassis 100001 BW R.H. Drive 125001 BW L.H. Drive

Serial No. of Engine BG.1001

Type of Coachwork Saloon

Recognition is valid from ..... In category Group 1 - Touring



Photograph to be affixed here  $\frac{1}{4}$  view of car from front right

Stamp of F.I.A. to be  
affixed here.

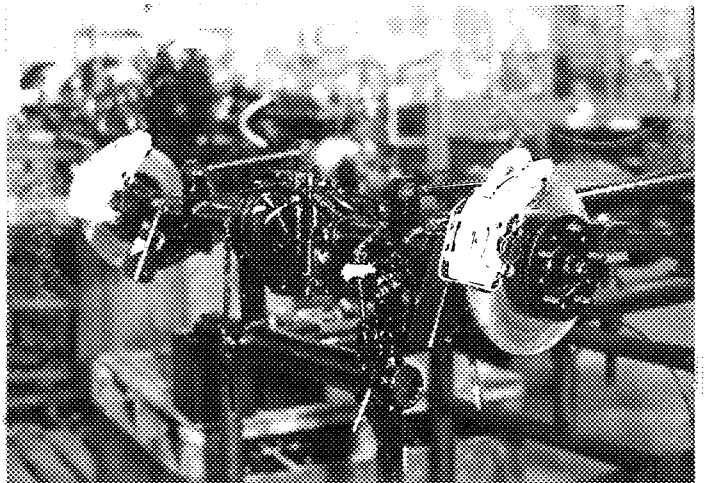
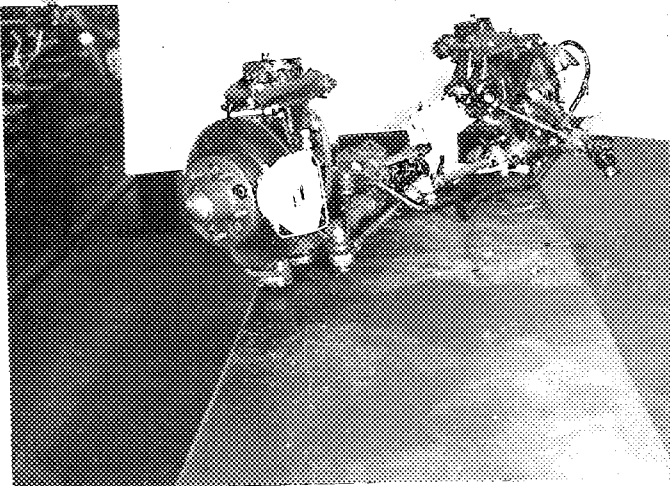
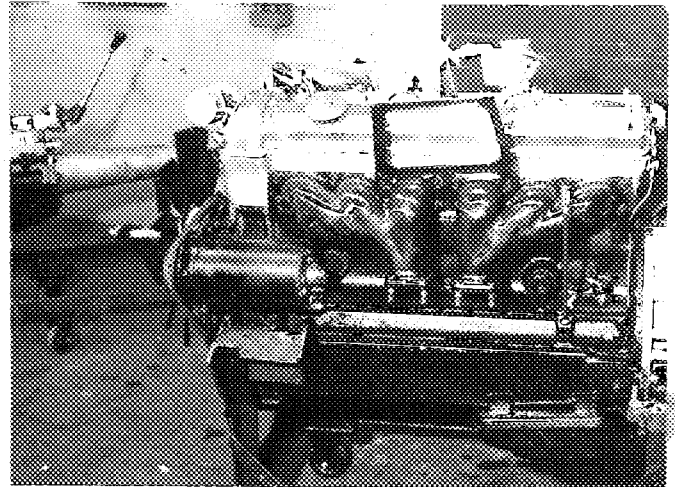
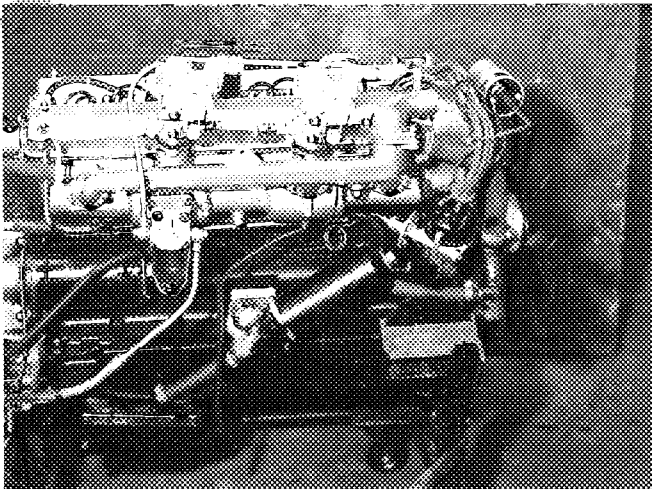
General description of car:

2.4 litre Saloon. Automatic transmission, Disc or Wire spoke wheels



to be affixed below

Interi

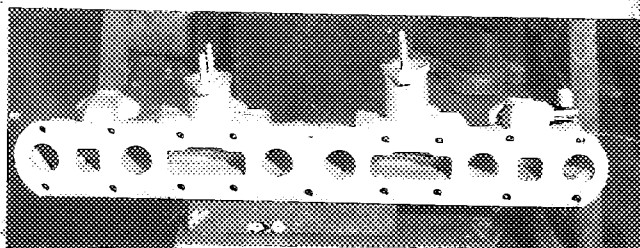
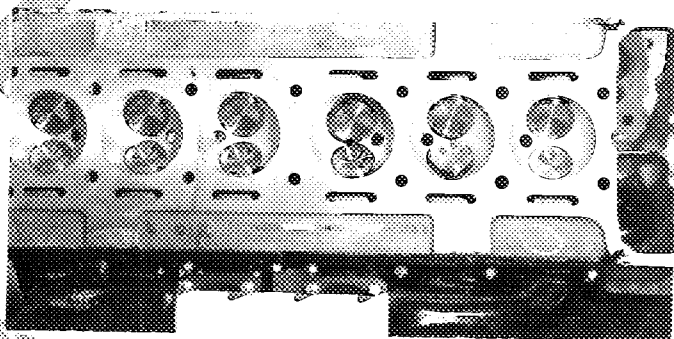


# ENGINE

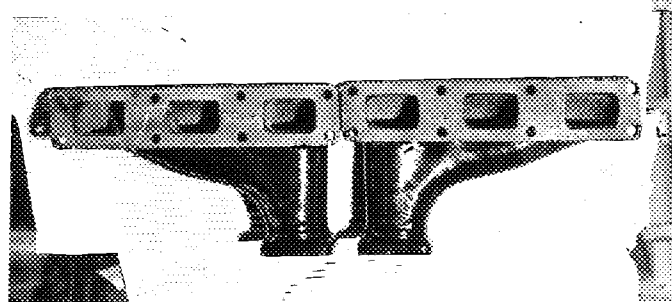
in line .....  
 No. of cylinders..... 6 ~~10~~  
~~opposed~~  
 Cycle..... Otto (4 stroke) ..... Firing order..... 1, 5, 3, 6, 2, 4  
 Capacity..... 2483 c.c. Bore..... 83 m.m. Stroke..... 76.5 m.m.  
 Maximum rebore..... 1 mm ..... Resultant capacity..... 2543 c.c.  
 Material of cylinder block..... Cast iron ..... Material of sleeves, if fitted..... Cast iron  
 Distance from crankshaft centre line to top face of block at centre line of cylinders..... 224.63 m.m.  
 Material of cylinder head..... Aluminium alloy ..... Volume of one combustion chamber..... 97 c.c.  
 Compression ratio 7 : 1 or 8 : 1  
 Material of piston..... Aluminium alloy ..... No. of piston rings..... 4  
 Distance from gudgeon pin centre line to highest point of piston crown 51.79 (7:1) 53.85 (8:1)  
 Bearings { Crankshaft main bearings: Type..... Shell ..... Dia. 69.85 m.m.  
 Connecting rod big end: Type..... Shell ..... Dia. 52.98 m.m.  
 Weights { Flywheel..... kg.  
 Crankshaft..... 25.75 kg.  
 Connecting rod..... 0.82 kg.  
 Piston with rings (7:1) 0.422 kg. (8:1) 0.438 kg  
 Gudgeon pin..... 0.128 kg.  
 No. of valves per cylinder..... 2 ..... Method of valve operation..... O.H.C. and tappets  
 No. of camshafts..... 2 ..... Location of camshafts..... Cylinder head  
 Type of camshaft drive..... Two stage - duplex chain  
 Diameter of valves: Inlet..... 44.45 m.m. Exhaust..... 41.27 m.m.  
 Diameter of port at valve seat: Inlet..... 38.1 m.m. Exhaust..... 34.9 m.m.  
 Tappet clearance for checking timing: Inlet..... 0.25 m.m. Exhaust..... 0.25 m.m.  
 Valves open: Inlet..... 10° B.T.D.C. Exhaust..... 57° B.B.D.C.  
 Valves close: Inlet..... 50° A.B.D.C. Exhaust..... 15° A.T.D.C.  
 Maximum valve lift: Inlet..... 7.93 m.m. Exhaust..... 7.93 m.m.  
 Degrees of crankshaft rotation from TDC to—  
 Maximum lift: Inlet..... 110° Exhaust..... 249°  
 3/4 Maximum lift: Inlet..... 57° 20' Exhaust..... 192°  
 Valve springs: Inlet Exhaust  
 Type..... Coil ..... Coil  
 No. per valve..... 2 ..... 2  
 Carburettor: Type..... Down draft ..... No. fitted..... 2  
 (up or down draft, horizontal)  
 Make..... Solex ..... Model..... B32PB15  
 Flange diameter..... 32 m.m. Choke diameter..... 7:1 comp. ratio 23 m.m.  
 Main jet identification No..... 110 ..... 8:1 comp. ratio 24 m.m.

Air filter: Type Oil bath or paper No. fitted 1

Inlet manifold:  
 Diameter of flange at carburettor 33 m.m.  
 Diameter of flange at port 31.6 m.m.



Exhaust manifold:  
 Diameter of flange at port 34.92 x 53.97 m.m.  
 Diameter of flange at connection to silencer inlet pipe 47.62 m.m.



## ENGINE ACCESSORIES

Make of fuel pump S.U. No. fitted 1

Method of operation Electric

Type of ignition system Coil coil or magneto

Make of ignition Lucas Model

Method of advance and retard Centrifugal and Vacuum

Make of ignition coil Lucas Model HA.12

No. of ignition coils 1 Voltage 12

Make of dynamo Lucas Model C45 PV/6

Voltage of dynamo 12 Maximum output 25 amps.

Make of starter motor Lucas Model M 418 G

Battery: No. fitted 1 Voltage 12 Capacity 58 amp. hour

Make Jaguar Model 2.4 Mk.2 F.I.A. Recognition No. ....

## TRANSMISSION

Make of clutch ..... Type .....  
 Diameter of clutch plate ..... No. of plates .....  
 Method of operating clutch .....  
 Make of gearbox Borg Warner Type Automatic  
 No. of gearbox ratios 3  
 Method of operating gearshift Automatic  
 Location of gearshift .....  
 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. | 2.308:1                                  | Epicyclic    |                    |              |       |              |       |              |  |
| 2. | 1.435:1                                  |              |                    |              |       |              |       |              |  |
| 3. | 1.0:1                                    |              |                    |              |       |              |       |              |  |
| 4. | Maximum Torque ratio of converter 2.15:1 |              |                    |              |       |              |       |              |  |
| 5. |                                          |              |                    |              |       |              |       |              |  |

Type of final drive Hypoid, semi-floating  
 Type of differential Two star  
 Final drive ratio 4.27:1 Alternatives 4.55:1  
 No. of teeth 11 x 47 11 x 50  
 Overdrive ratio, if fitted .....

## WHEELS

Type Disc or wire spoke Weight Disc 8.12 kg Wire 9.16 kg.  
 Method of attachment Disc - 5 nuts Wire - Centre lock hub cap  
 Rim diameter 381 m.m. Rim width Disc 114 mm Wire 127m.m.  
 Tyre size: Front 6.00/6.40 x 15 Rear 6.00/6.40 x 15

## BRAKES

Method of operation Hydraulic  
 Is servo assistance fitted? Yes  
 Type of servo, if fitted Lockheed 6<sup>7</sup>/<sub>8</sub>"  
 No. of hydraulic master cylinders 1 Bore 22 m.m.

|                                                                                                                           | Front    |  | Rear     |
|---------------------------------------------------------------------------------------------------------------------------|----------|--|----------|
| No. of wheel cylinders                                                                                                    | 4        |  | 4        |
| Bore of wheel cylinders                                                                                                   | 54 m.m.  |  | 38 m.m.  |
| Inside diameter of brake drums                                                                                            | " m.m.   |  | " m.m.   |
| No. of shoes per brake                                                                                                    | "        |  | "        |
| Outside diameter of brake discs                                                                                           | 280 m.m. |  | 280 m.m. |
| No. of pads per brake                                                                                                     | 2        |  | 2        |
| 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               | 54 m.m.                |      | 54 m.m.                |
|                      |                        | m.m. | m.m.                   |
| Width                | 47.5 m.m.              |      | 47.5 m.m.              |
| Total area per brake | 5120 m.m. <sup>2</sup> |      | 5120 m.m. <sup>2</sup> |

## SUSPENSION

|                        | Front       |  | Rear                |
|------------------------|-------------|--|---------------------|
| Type                   | Independent |  | Cantilever          |
| Type of spring         | Coil        |  | Same as front leaf. |
| Is stabiliser fitted?  | Yes         |  | Yes                 |
| Type of shock absorber | Telescopic  |  | Telescopic          |
| No. of shock absorbers | 2           |  | 2                   |

## STEERING

|                                                  |                                    |
|--------------------------------------------------|------------------------------------|
| Type of steering gear                            | Burman re-circulating ball         |
| Turning circle of car                            | 10.21 m., approx.                  |
| No. of turns of steering wheel from lock to lock | 4 $\frac{1}{2}$ or 3 $\frac{1}{2}$ |

## CAPACITIES AND DIMENSIONS

|                                                               |                         |                      |                        |
|---------------------------------------------------------------|-------------------------|----------------------|------------------------|
| Fuel tank                                                     | 54 $\frac{1}{2}$ litres | Sump                 | 6 $\frac{1}{2}$ litres |
| Radiator                                                      | 3.84 litres             |                      |                        |
| Overall length of car                                         | 459.1 cm.               | Overall width of car | 169.5 cm.              |
| Overall height of car, unladen (with hood up, if appropriate) | 146.0 cm.               |                      |                        |
| Distance from floor to top of windscreen:                     |                         |                      |                        |
| Highest point                                                 | 107 cm.                 | Lowest point         | 102 cm.                |
| Width of windscreen:                                          |                         |                      |                        |
| Maximum width                                                 | 131 cm.                 | Minimum width        | 114 cm.                |
| Interior width                                                | 130 cm.                 |                      |                        |
| No. of seats                                                  | 3 (5 seater)            |                      |                        |
| Track: Front                                                  | 130.7 (disc wheels)     | Rear                 | 135.6 (disc wheels)    |
|                                                               | 141.0 (wire wheels)     |                      | 137.5 (wire wheels)    |
| Wheelbase                                                     | 272.7 cm.               | Ground clearance     | 178 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.....1420 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 preceeding information:—

JAGUAR - 2 L. EL MK 2 AUTOMATICA

1/60

1010

MARQUE ET MODELE

## VALIDITE HOMOLOGATION

FICHE NR.

TUR / 2500

GROUPE / CLASSE

[illegible]

## Autres homologations du modèle

Vérifiée le 23/10/95 par [Signature] visée ce jour le \_\_\_\_\_ par \_\_\_\_\_