



F.I.A. Recognition No. 1011

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 3.4 litre Mark 2 Year of Manufacture 1959 - 60

Chassis 150001 R.H. Drive 175001 L.H. Drive

Serial No. of Engine KG.1001

Type of Coachwork Saloon

Recognition is valid from In category Group 1 - Touring



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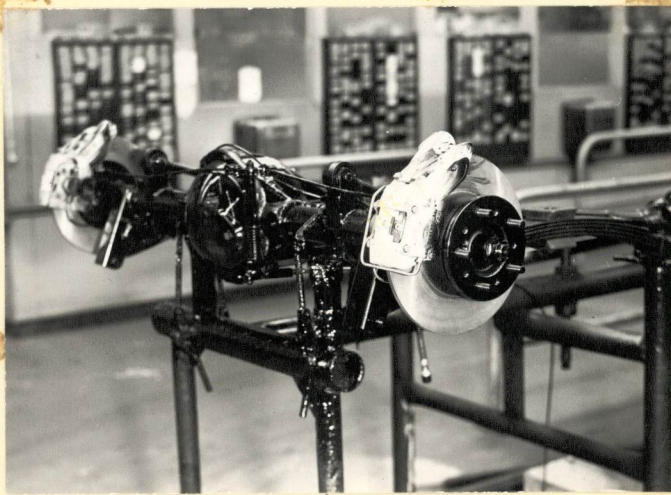
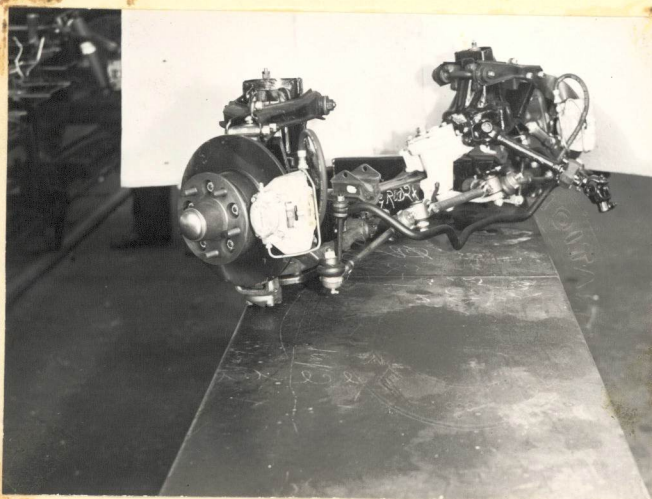
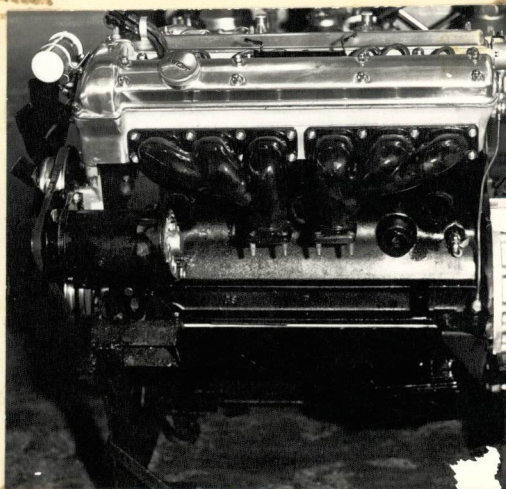
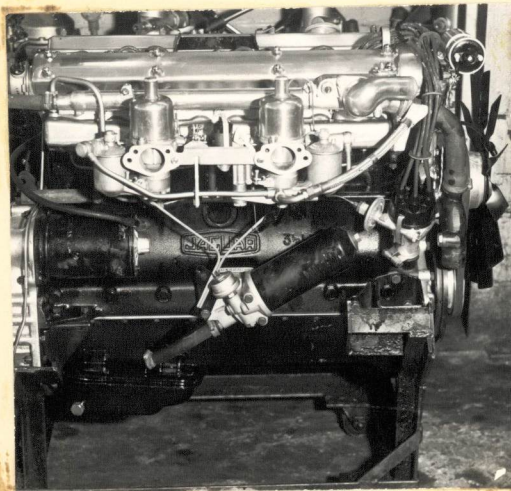
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Stamp of F.I.A. to be affixed here.

General description of car:

3.4 litre Saloon, standard transmission, Overdrive or Automatic transmission. Disc or Wire spoke wheels.



ENGINE

No. of cylinders 6 in line
~~in V~~
~~opposed~~

Cycle Otto (4 stroke) Firing order 1, 5, 3, 6, 2, 4

Capacity 3442 c.c. Bore 83 m.m. Stroke 106 m.m.

Maximum rebore 1 mm Resultant capacity 3527 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 291 m.m.

Material of cylinder head Aluminium alloy Volume of one combustion chamber 97 c.c.

Compression ratio 7:1, 8:1 or 9:1.

Material of piston Aluminium alloy No. of piston rings 3

Distance from gudgeon pin centre line to highest point of piston crown 43.0 (7:1) 55.0 (8:1) 48.7 (9:1) m.m.

Bearings { Crankshaft main bearings: Type Steel backed shell Dia. 69.85 m.m.
 Connecting rod big end: Type Steel backed shell Dia. 52.98 m.m.

Weights { Flywheel 13.15 kg.
 Crankshaft 28.5 kg.
 Connecting rod 0.88 kg.
 Piston with rings (7:1) 0.438 kg (8:1) 0.438 kg (9:1) 0.453 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 15° B.T.D.C. Exhaust 57° B.B.D.C.

Valves close: Inlet 57° A.B.D.C. Exhaust 15° A.T.D.C.

Maximum valve lift: Inlet 9.5 m.m. Exhaust 9.5 m.m.

Degrees of crankshaft rotation from ^{TDC} zero to—

Maximum lift: Inlet 111° Exhaust 249°

$\frac{3}{4}$ Maximum lift: Inlet 55° Exhaust 193°

Valve springs: Inlet Exhaust

Type Coil Coil

No. per valve 2 2

Carburettor: Type Horizontal No. fitted 2
 (up or down draft, horizontal)

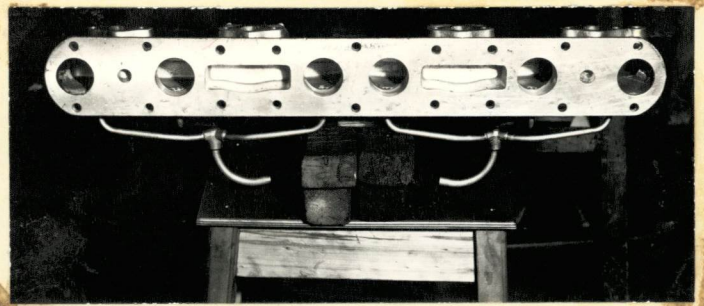
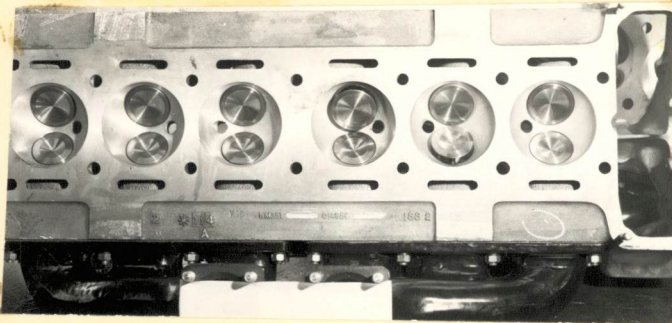
Make S.U. Model HD.6

Flange diameter 4.44 m.m. Choke diameter variable m.m.

Main jet identification No. 2.54 mm (.100")

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

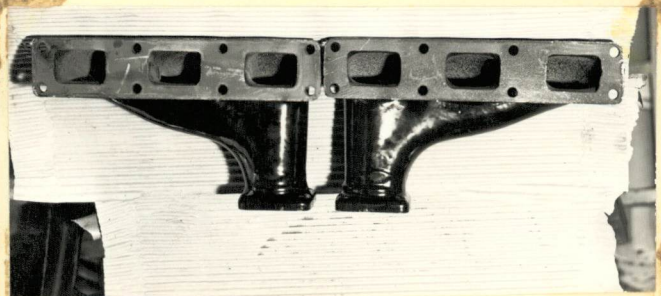
Inlet manifold:
Diameter of flange at carburettor 44.4 m.m.
Diameter of flange at port 38.0 m.m.



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.



761 861 961.



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 PVS/6
Voltage of dynamo 12 volt Maximum output 25 amps.
Make of starter motor Lucas Model M 45 G
Battery: No. fitted 1 Voltage 12 Capacity 72 amp. hour

Make Jaguar Model 3.4 Mk.2 F.I.A. Recognition No.

TRANSMISSION

Make of clutch Borg and Beck Type Single dry plate
 Diameter of clutch plate 254 mm (10") No. of plates 1
 Method of operating clutch Hydraulic
 Make of gearbox Jaguar Type 4 speed synchromesh
 No. of gearbox ratios 4 and reverse
 Method of operating gearshift Manually
 Location of gearshift Top of gearbox (body floor)
 Is overdrive fitted? Optional extra
 Method of controlling overdrive, if fitted Solenoid, electric switch

	GEARBOX RATIOS		ALTERNATIVE RATIOS					
	Ratio	No. of Teeth	Ratio	No. of Teeth	Ratio	No. of Teeth	Ratio	No. of Teeth
1.	3.378:1	$\frac{38}{27} \times \frac{36}{15}$	2.98:1	$\frac{37}{28} \times \frac{36}{16}$				
2.	1.86:1	$\frac{38}{27} \times \frac{37}{28}$	1.74:1	$\frac{37}{28} \times \frac{37}{28}$				
3.	1.286:1	$\frac{38}{27} \times \frac{31}{34}$	1.21:1	$\frac{37}{28} \times \frac{31}{34}$				
4.	1.0:1	-	1.0:1	*				
5.								

Type of final drive Hyppid semi-floating
 Type of differential Two star, or Four star Thornton "Powr-Lok"
 Final drive ratio 3.54:1 Alternatives 3.77:1
 No. of teeth 13 x 46 13 x 49
 Overdrive ratio, if fitted .778:1

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 127 m.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 $6\frac{7}{8}$ "
 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
Inside diameter of brake drums	-	m.m.	-
No. of shoes per brake	-		-
Outside diameter of brake discs	280	m.m.	289
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.	
Width	47.5	m.m.	47.5
Total area per brake	5120	m.m. ²	5120
			m.m. ²

SUSPENSION

	Front		Rear
Type	Independent		Cantilever
Type of spring	Coil		Semi-elliptic
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 $\frac{1}{2}$ or 4 $\frac{1}{4}$ with power steering

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	169.0	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	139.7 (disc wheels)	cm.	Rear	135.6 (disc wheels)	cm.
	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.....1460.....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:—

123.034

The Royal Automobile Club

Pall Mall, London, S.W.1.

Please Address all Communications to

THE SECRETARY

Quoting the following Reference:

C OV/DHD/SM/1706



Telegrams: AUTOMOBILE LONDON
Telephone: WHITEHALL 2345 (26 lines)

Monsieur H. Schroeder,
F.I.A.,
8, Place de la Concorde,
Paris 8, France.

12th March 1958.

Dear Monsieur Schroeder,

Appendix J, Optional Equipment.

I would confirm our recent telephone conversation to the effect that sufficient of the Jaguar 3.4 model equipped with disc brakes have been produced to qualify this model as a Normal Touring car.

Yours sincerely,

D.H. Delamont

D.H. Delamont.

Manager - Competitions Dept.

*Classer dans dossier correspondant
ou annexer à fiche correspondante*

