

Manufacturers Reference No. for Application

JAG/1



F.I.A. Recognition No.

1080

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 1

Year of Manufacture 1957 - 1959

Serial No. of Chassis 970001 R.H. Drive, 985001 L.H. Drive.

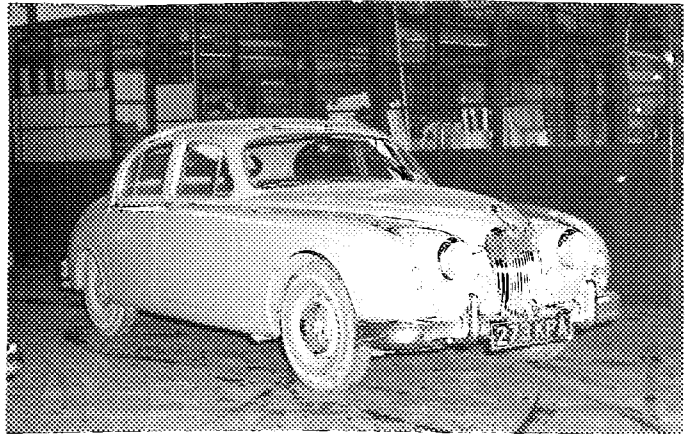
Engine KE. 1001

Type of Coachwork Saloon.

Recognition is valid from 1958

In category Group 1, Touring.

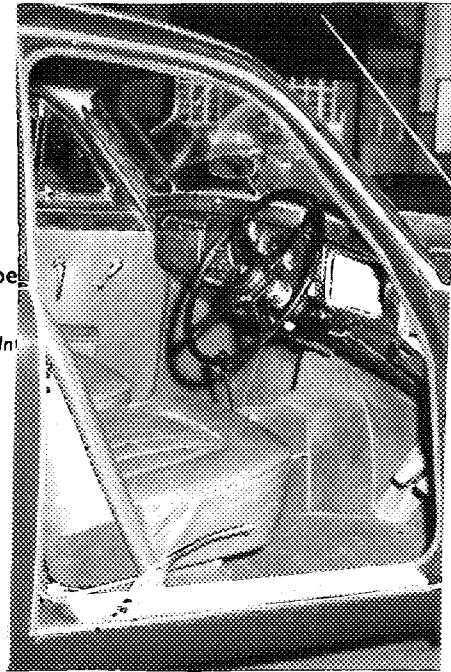
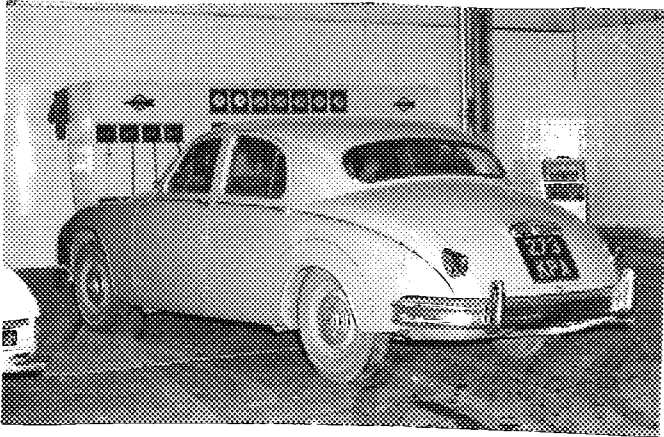
Photograph to be affixed here $\frac{1}{2}$ view of car from front right.



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

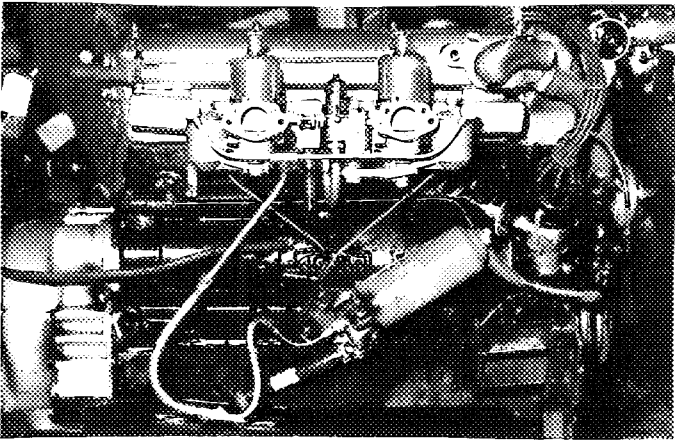
General description of car:

3.4 Litre Saloon. Available with disc or drum brakes, wire spokes or disc wheels, 9-1, 8-1 or 7-1 compression ratio engines, overdrive or standard transmission.

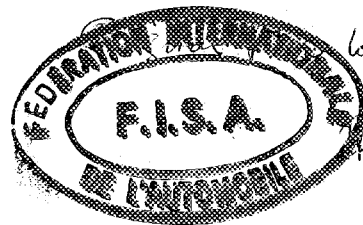
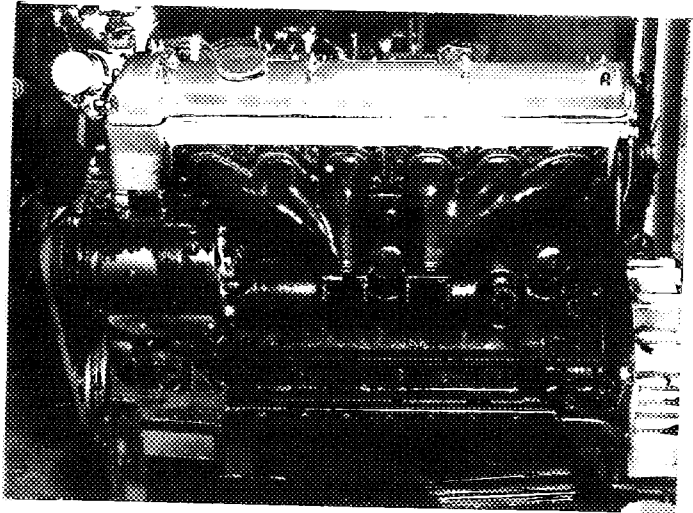


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Front axle complete (without wheels).



lost at F.I.S.A
7/3/84
B. Brown

ENGINE

in line

No. of cylinders 6 ~~12~~

Cycle Otto (4 stroke) ~~Diesel~~

Firing order 1, 5, 3, 6, 2, 4.

Capacity 3,442 c.c. Bore 83 m.m. Stroke 106 m.m.

Maximum rebore 1 m.m. 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 9-1

Material of piston Aluminium Alloy. No. of piston rings 3

Distance from gudgeon pin centre line to highest point of piston crown 48.7 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 9.08 kg.
 Crankshaft 28.50 kg.
 Connecting rod 0.89 kg.
 Piston with rings 0.453 kg.
 Gudgeon pin 0.128 kg.

No. of valves per cylinder 2 Method of valve operation C.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 38.10 m.m. Exhaust 34.90 m.m.

Tappet clearance for checking timing: Inlet 0.25 m.m. Exhaust 0.25 m.m.

Valves open: Inlet 15 degrees BTDC Exhaust 57 degrees BBDC

Valves close: Inlet 57 degrees ABDC Exhaust 15 degrees ATDC

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

Degrees of crankshaft rotation from TDC to—

Maximum lift: Inlet 111 degrees Exhaust 249 degrees

1/4 Maximum lift: Inlet 55 degrees Exhaust 193 degrees

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 H.D. 6

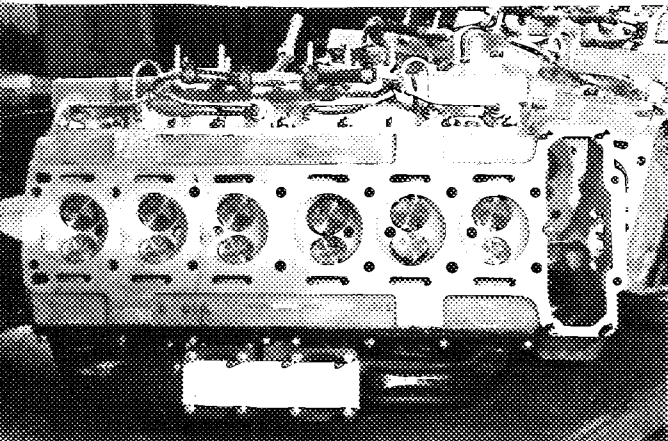
Flange hole diameter 44.4 m.m. Choke diameter Variable m.m.

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

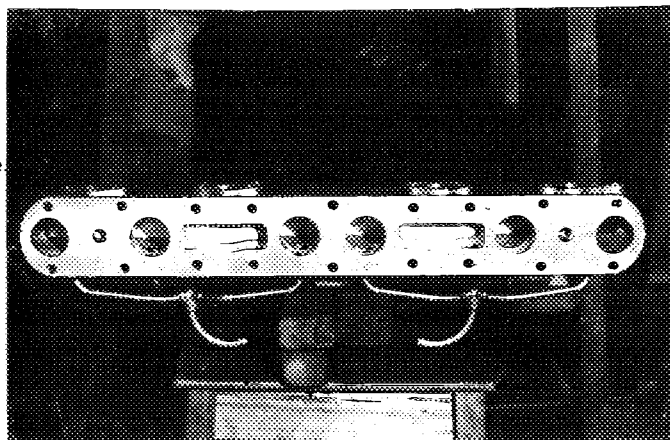
Air filter: Type Wire Mesh or Oil Bath No. fitted 1

Inlet manifold:
Diameter of flange hole at carburettor 44.4 m.m.

Diameter of flange hole at port 38.0 m.m.



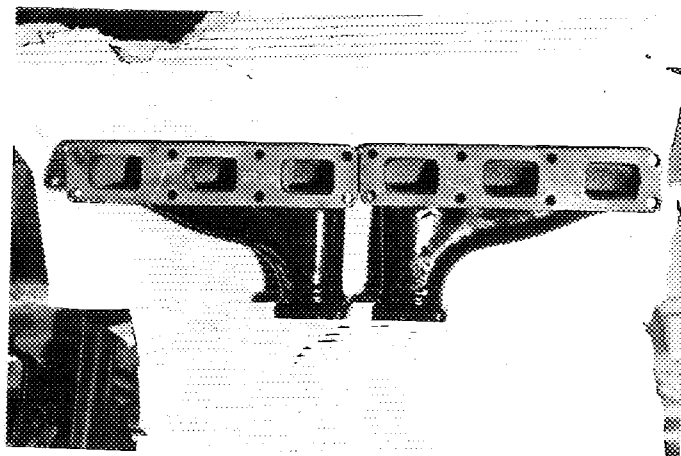
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Exhaust manifold:

Diameter of flange hole at port 34.92 x 53.97 m.m.

Diameter of flange hole at connection to silencer inlet pipe 47.62 m.m.



ENGINE ACCESSORIES

Make of fuel pump	<u>S.U.</u>	No. fitted	<u>1</u>
Method of operation	<u>Electric</u>		
Type of ignition system	<u>Coil</u>		<u>coil or magneto</u>
Make of ignition	<u>Lucas</u>	Model	<u>-</u>
Method of advance and retard	<u>Centrifugal and Vacuum.</u>		
Make of ignition coil	<u>Lucas</u>	Model	<u>FA 12</u>
No. of ignition coils	<u>1</u>	Voltage	<u>12</u>
Make of dynamo	<u>Lucas</u>	Model	<u>G 45/PVS/6</u>
Voltage of dynamo	<u>12</u>	Maximum output	<u>25</u> amps.
Make of starter motor	<u>Lucas</u>	Model	<u>K 45 G</u>
Battery: No. fitted	<u>1</u>	Voltage	<u>12</u>
		Capacity	<u>72</u> a.m.p. hour

Make Jaguar Model 3.4 Mark 1 F.I.A. Recognition No.
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TRANSMISSION

Make of clutch Borg and Beck Type Single Dry Plate
 Diameter of clutch plate 254 m.m (10") No. of plates 1
 Method of operating clutch Hydraulic
 Make of gearbox Jaguar Type 4 Speed Synchronesh
 No. of gearbox ratios 4 and Reverse
 Method of operating gearshift Manually
 Location of gearshift Top of Gearbox (Body Floor)
 Is overdrive fitted? Yes
 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	$\frac{37}{28} \times \frac{36}{16}$	3.375:1	$\frac{39}{26} \times \frac{36}{16}$		
2.	1.86:1	$\frac{38}{27} \times \frac{37}{28}$	1.74:1	$\frac{37}{28} \times \frac{37}{28}$	1.982:1	$\frac{39}{26} \times \frac{37}{28}$		
3.	1.286:1	$\frac{38}{27} \times \frac{31}{11}$	1.21:1	$\frac{37}{28} \times \frac{31}{11}$	1.367:1	$\frac{39}{26} \times \frac{31}{11}$		
4.	1.0:1	-	1.0:1	-	1.0:1	-		
5.								

Type of final drive Hypoid Gears, Semi - Floating.
 Type of differential Thornton "Powr - Lok"
 Final drive ratio 3.5:1 Alternatives 3.77:1
 No. of teeth 13 x 46 13 x 49
 Overdrive ratio, if fitted 0.778:1

WHEELS

Type Wire Spoke Weight 9.16 kg.
 Method of attachment Centre Lock Hub Cap.
 Rim diameter 381 m.m. Rim width 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 $\frac{1}{2}$ "
 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.	54 m.m.
Inside diameter of brake drums	-	m.m.	- m.m.
No. of shoes per brake	-		-
Outside diameter of brake discs	289	m.m.	289 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. ²	5120 m.m. ²

SUSPENSION

	Front		Rear
Type	Independent		Centilever
Type of spring	Coil		Semi - Elliptic Leaf
Is stabiliser fitted?	Yes		Yes
Type of shock absorber	Telescopic		Telescopic
No. of shock absorbers	2		2

STEERING

Type of steering gear	Barman Re-Circulating Ball		
Turning circle of car	10.21		m., approx.
No. of turns of steering wheel from lock to lock	3½		

CAPACITIES AND DIMENSIONS

Fuel tank	54½	litres	Sump	6	litres
Radiator	3.84	litres			
Overall length of car	159.1	cm.	Overall width of car	169.5	cm.
Overall height of car, unladen (with hood up, if appropriate)	146	cm.			
Distance from floor to top of windscreen:					
Highest point	107	cm.	Lowest point	102	cm.
Width of windscreen:					
Maximum width	130	cm.	Minimum width	112	cm.
*Interior width of car	130	cm.			
No. of seats	3 (5 seater).				
Track: Front	140.1	cm.	Rear	129.2	cm.
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 preceeding information:—

