Manufacturers Reference No. for Application JAG/6c.

F.I.A. Recognition No. 184

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 LTD., COVENTRY, ENGLAND.

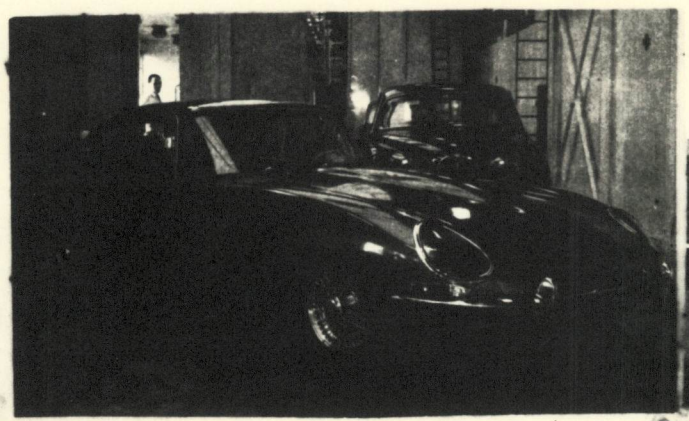
Model 4.2 LITRE 'E' TYPE. Year of Manufacture 1964.

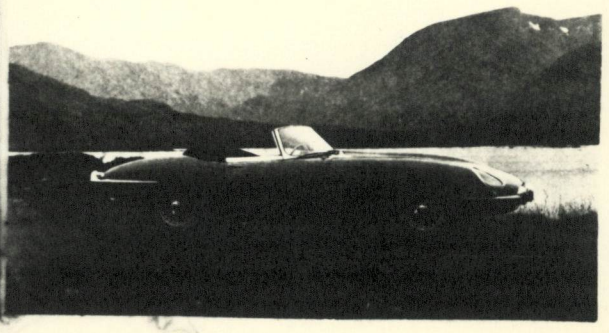
Serial No. of Chassis R.H.D.1E1001/1E20001. L.H.D. 1E10001/1E30001.

Engine 7E1001.

Type of Coachwork OPEN OR FIXED HEAD TWO SEATER.

Recognition is valid from 16th November 1964 In category APPENDIX J - GROUP 3.





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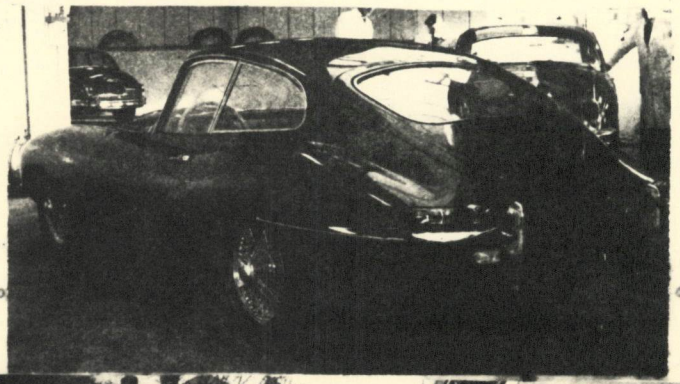
Form: R.F.I.A.

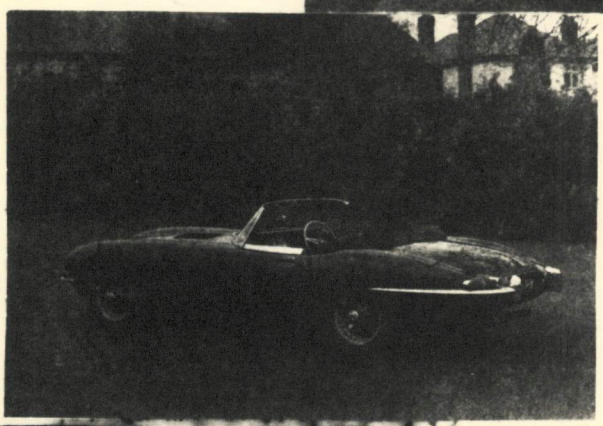
General description of car:

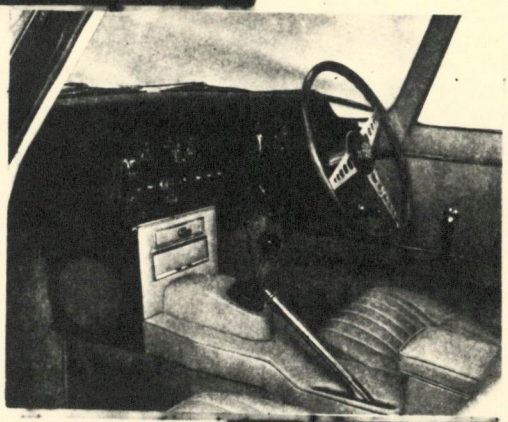
Specify here material/s of chassis/body construction

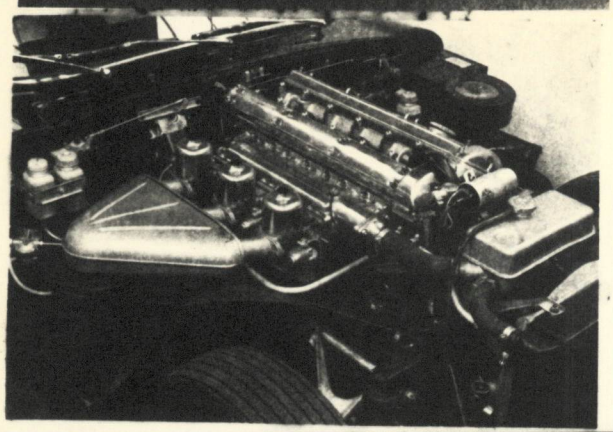
GRAND TOURING CAR. OPEN OR FIXED HEAD TWO SEATER STEEL BODY. HARD TOP AVAILABLE FOR OPEN MODEL. 4.2 LITRE TWIN OVERHEAD CAMSHAFT ENGINE.

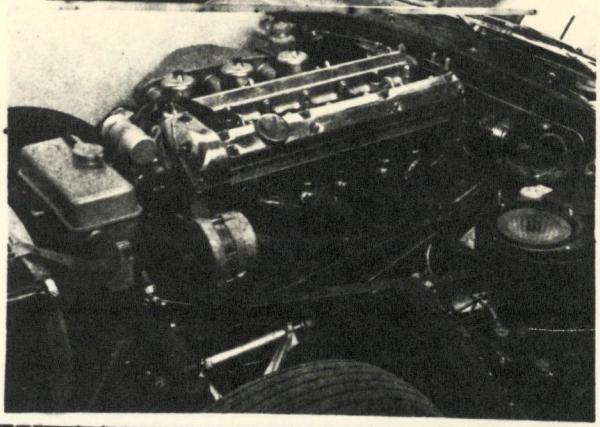


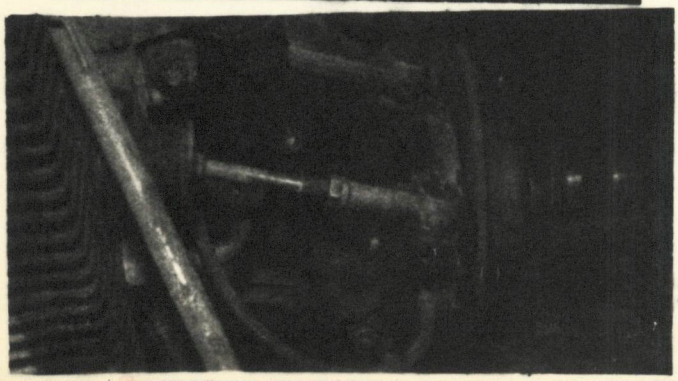
¾ view o driver's door.

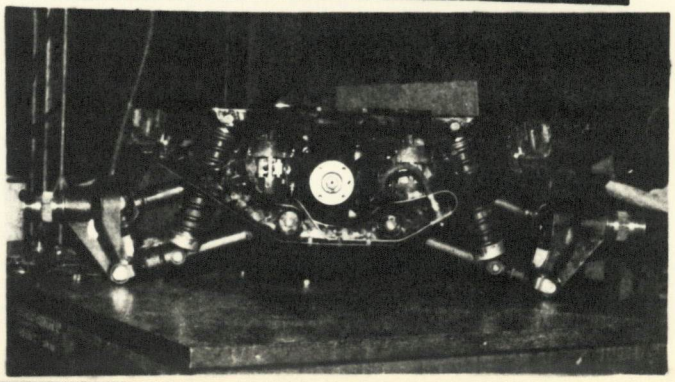












ENGINE

in line YES

No. of cylinders 6 in V

opposed

Cycle OTTO (4 STROKE) Firing order 1, 5, 3, 6, 2, 4.

Capacity 4234 c.c. Bore 92.07 m.m. Stroke 106.00 m.m.

Maximum rebore 0.76 m.m. Resultant capacity 4305 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. Volume of one combustion chamber 98 c.c.

Compression ratio 9:1

Material of piston ALUMINIUM. No. of piston rings 3

Distance from gudgeon pin centre line to highest point of piston crown 57 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 9.63 kg.
- Crankshaft 30.65 kg.
- Connecting rod 0.88 kg.
- Piston with rings 0.54 kg.
- Gudgeon pin 0.13 kg.

No. of valves per cylinder 2 Method of valve operation OVERHEAD CAMSHAFTS & TAPPETS.

No. of camshafts 2 Location of camshafts CYLINDER HEAD.

Type of camshaft drive CHAIN.

Diameter of valves:	Inlet	44.4 m.m.	Exhaust	41.3 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 zero to—

Maximum lift:	Inlet	111°	Exhaust	111°
¾ Maximum lift:	Inlet	55°	Exhaust	55°

Valve springs:

	Inlet	*Exhaust*
Type	COIL.	COIL.
No. per valve	2	2

Carburettor: Type HORIZONTAL. (up or down draft, horizontal) No. fitted 3

Make S.U. Model HD8

Flange hole diameter 50.8 m.m. Choke diameter VARIABLE. m.m.

Main jet identification No. 7860

Air filter: Type [illegible] ELEMENT No. fitted 1.

Inlet manifold:

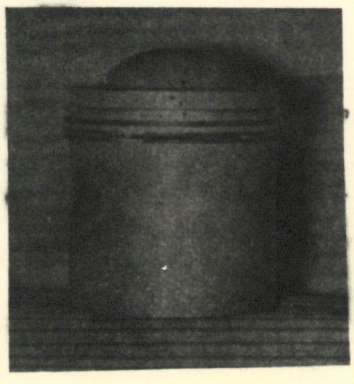
Diameter of flange hole at carburettor 51 m.m.

Diameter of flange hole at port 41 m.m.

Exhaust manifold:

Diameter of flange hole at port 35 x 54 m.m.

Diameter of flange hole at connection to silencer inlet pipe 48 m.m.



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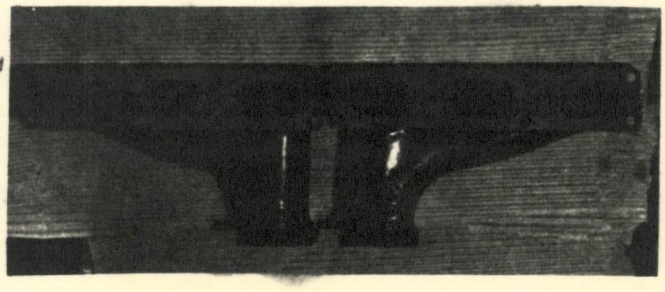

ENGINE ACCESSORIES

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 6 CYL.

Method of advance and retard AUTOMATIC (CENTRIFUGAL).

Make of ignition coil LUCAS Model 12HA

No. of ignition coils 1 Voltage 12

Make of ~~dynamo~~ alternator LUCAS. Model 11 AC

Voltage of ~~dynamo~~ alternator 12 Maximum output 45 amps.

Make of starter motor LUCAS Model 26180B.

Battery: No. fitted 1 Voltage 12 Capacity 62 amp. hour

Oil Cooler (if fitted) type FULL FLOW Capacity 2 pints

Make JAGUAR Model 4.2 'E' TYPE. F.I.A. Recognition No.

Manufacturers Reference No. of Application JAG/6c.

TRANSMISSION

Make of clutch LAYCOCK. Type DRY PLATE.

Diameter of clutch plate 254 m.m. No. of plates 1.

Method of operating clutch HYDRAULIC.

Make of gearbox JAGUAR. Type SINGLE HELICAL-ALL SYNCHROMESH.

No. of gearbox ratios 4 FORWARD & 1 REVERSE.

Method of operating gearshift MANUAL.

Location of gearshift TOP OF GEARBOX.

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.	2.68:1	28 x 33 / 33 15						
2.	1.74:1	28 x 30 / 33 21						
3.	1.27:1	28 x 26 / 33 25						
4.	1.00:1	-						
5.	-	-						

Type of final drive HYPOID.

Type of differential POWR-LOK LIMITED SLIP.

Final drive ratio 3.07 : 1. Alternatives 2.79 :1, 2.88:1, 3.31:1, 3.54:1,

No. of teeth 14/43 3.77:1,4.09:1, 4.27:1, 4.55:1.

Overdrive ratio, if fitted -

WHEELS

Type WIRE SPOKE. Weight 9.2 kg.

Method of attachment CENTRE LOCK.

Rim diameter 381.0 m.m. Rim width 127.0 m.m.

Tyre size: Front 6.40 x 15 Rear 6.40 x 15

BRAKES

Method of operation HYDRAULIC.

Is servo assistance fitted? YES.

Type of servo, if fitted SUSPENDED VACUUM.

No. of hydraulic master cylinders 1 Bore 22.2 m.m.

	Front		Rear	
No. of wheel cylinders	4		4	
Bore of wheel cylinders	54.0	m.m.	44.4	m.m.
Inside diameter of brake drums	–	m.m.	–	m.m.
No. of shoes per brake	–		–	
Outside diameter of brake discs	279.4	m.m.	254	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	54.0	m.m.	54.0	m.m.
	–	m.m.	–	m.m.
Width	47.6	m.m.	47.6	m.m.
Total area per brake	5120	m.m.²	5120	m.m.²

SUSPENSION

	Front	Rear
Type	INDEPENDENT.	INDEPENDENT.
Type of spring	TORSION BAR.	COIL.
Is stabiliser fitted?	YES.	YES.
Type of shock absorber	TELESCOPIC.	TELESCOPIC.
No. of shock absorbers	2	4

STEERING

Type of steering gear RACK & PINION.

Turning circle of car 11.3 m., approx.

No. of turns of steering wheel from lock to lock 2.5

CAPACITIES AND DIMENSIONS

Fuel tank 64 litres Sump 8.5 litres

Radiator 18 litres

Overall length of car 445 cm. Overall width of car 166 cm.

Overall height of car, unladen (with hood up, if appropriate) 188 cm.

Distance from floor to top of windscreen:

Highest point 90 cm. Lowest point 86 cm.

Width of windscreen:

Maximum width 127 cm. Minimum width 114 cm.

*Interior width of car 124 cm.

No. of seats 2

Track: Front 127 cm. Rear 127 cm.

Wheelbase 244 cm. Ground clearance 137 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 1098 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 a[illegible] preceding information:—

1) [illegible]

2) [illegible]

3) 139.7 mm. rim wire spo[illegible]els (11.1 kg. weight, 130 cm. front track, 130 cm. rear track). C18922

4) 152.4 mm. rim rear wire spoked wheels (13.2 kg. weight, 133 cm. track). 9767

5) 47.6 mm. bore rear wheel brake cylinders. 7820/1
308.0 mm. diameter front brake discs. C14454
60.3 mm. x 60.3 mm. front brake pads (7250 sq. mm. total area per brake). 9753

6) 109 litre capacity fuel tank. C19924