

Manufacturers Reference No. for Application

A60/61



F.I.A. Recognition No.

1119

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..... The Austin Motor Co. Limited

Model..... Austin A60 Cambridge..... Year of Manufacture..... 1961

Serial No. of Chassis..... A/HS9 & A/HS9L

Engine..... 16 AMW/U/H or 16 AMW/U/L & 16 AMW/N/H or 16 AMW/N/L

Type of Coachwork..... Saloon - 4 door

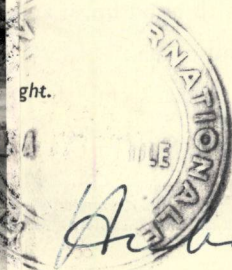
Recognition is valid from..... 27 FEV 1962..... In category..... Touring

liste generale 9
" additionnelle 7



Phot.

Phot.



Stamp of F.I.A./R.A.C. to be
affixed here.

Form: R.F.I.A.

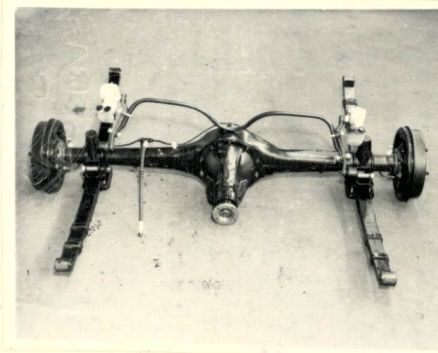
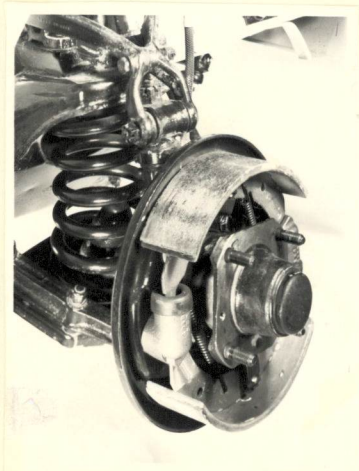
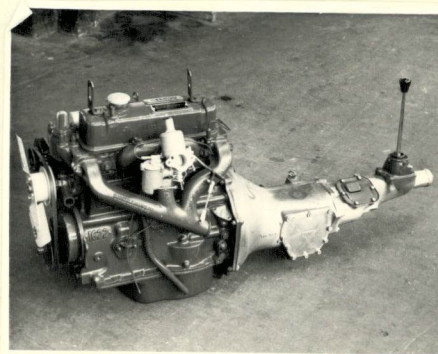
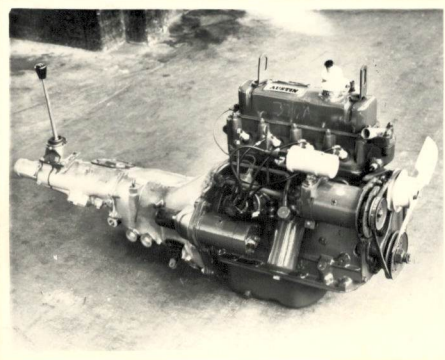
General description of car:

*Specify here material/s of
chassis/body construction*

4 door steel saloon of unitary construction
powered by 4 cylinder OHV engine driving
rear wheels through 4 speed synchromesh or
automatic gearbox.

Suspension by wishbone and coil spring at
front and semi elliptic leaf spring at rear

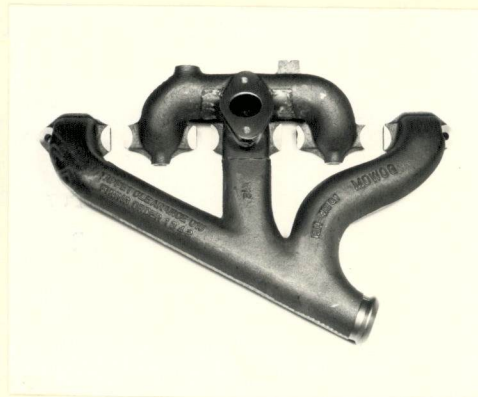
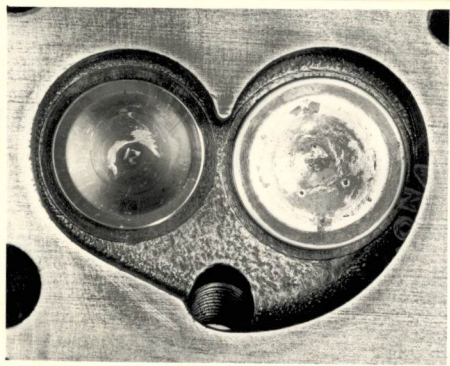
Photographs to be affixed below.



ENGINE

in line Yes
 No. of cylinders 4 in V -
 opposed -
 Cycle 4 Firing order 1,3,4,2.
 Capacity 1622 c.c. Bore 76.2 m.m. Stroke 88.9 m.m.
 Maximum rebore +1.016mm Resultant capacity 1666 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 252.273/252.527 m.m.
 Material of cylinder head Cast Iron Volume of one combustion chamber 38.7 c.c.
 Compression ratio 8.3 or 7.2
 Material of piston Alum. alloy No. of piston rings 4
 Distance from gudgeon pin centre line to highest point of piston crown 42.07 m.m.
 Bearings { Crankshaft main bearings: Type Copper Lead Dia. 50.82 m.m.
 Connecting rod big end: Type Copper Lead Dia. 47.66 m.m.
 Weights { Flywheel 13.5 kg.
 Crankshaft 14.9 kg.
 Connecting rod 1.02 kg.
 Piston with rings .36 kg.
 Gudgeon pin .11 kg.
 No. of valves per cylinder 2 Method of valve operation Push rod
 No. of camshafts 1 Location of camshafts Crankcase
 Type of camshaft drive Chain
 Diameter of valves: Inlet 38.1 m.m. Exhaust 32.54 m.m.
 Diameter of port at valve seat: Inlet 33.34 m.m. Exhaust 30.00 m.m.
 Tappet clearance for checking timing: Inlet .53 m.m. Exhaust .53 m.m.
 Valves open: Inlet T.D.C. Exhaust 35° B.B.D.C.
 Valves close: Inlet 50° ABDC Exhaust 15° ATDC
 Maximum valve lift: Inlet 7.899 m.m. Exhaust 7.899 m.m.
 Degrees of crankshaft rotation from zero to—
 Maximum lift: Inlet 115° ATDC Exhaust 80° ABDC
 $\frac{3}{4}$ Maximum lift: Inlet 66 ATDC Exhaust 31 ABDC
 Valve springs: Inlet Exhaust
 Type Coil Coil
 No. per valve 1 1
 Carburettor: Type Semi down draft No. fitted 1
 (up or down draft, horizontal)
 Make S.U. Model HS2
 Flange hole diameter 31.75 m.m. Choke diameter - m.m.
 Main jet identification No. GX needle (std) Yellow spring

Combined silencer/
 Air filter: Type Cleaner No. fitted 4
 Inlet manifold:
 Diameter of flange hole at carburettor 31.75 m.m.
 Diameter of flange hole at port 33.33 m.m.



Exhaust manifold:
 Centre 36.51 x 33.33
 Diameter of flange hole at port Ends 36.51 x 30.16 m.m.
 Diameter of flange hole at connection to silencer inlet pipe 34.92 m.m.



Photograph of exhaust manifold to be affixed here.

See above

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 25D4 distributor
 Method of advance and retard Centrifugal & vacuum
 Make of ignition coil Lucas Model IA12
 No. of ignition coils 1 Voltage 12
 Make of dynamo Lucas Model G40-1
 Voltage of dynamo 12 Maximum output 19 amps.
 Make of starter motor Lucas Model M35G
 Battery: No. fitted One Voltage 12 Capacity 57 amp. hour
 Oil Cooler (if fitted) type Capacity

Make Austin Model A60 F.I.A. Recognition No. _____

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TRANSMISSION

Make of clutch Borg & Beck Type 8 A6-G

Diameter of clutch plate 8" - 203mm No. of plates One

Method of operating clutch Hydraulic

Make of gearbox B.M.C. Type 4 speed synchromesh or automatic

No. of gearbox ratios 4 forward & 1 reverse

Method of operating gearshift Mechanical

Location of gearshift Central on floor or steering column

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.	3.6363	$\frac{30}{21} \times \frac{28}{11}$	2.44:1	$\frac{25}{26} \times \frac{11}{28}$				
2.	2.2143	$\frac{30}{21} \times \frac{31}{20}$	1.618:1	$\frac{25}{26} \times \frac{19}{32}$				
3.	1.3736	$\frac{30}{21} \times \frac{25}{26}$	1.266:1	$\frac{25}{26} \times \frac{29}{22}$				
4.	1.000		1.00:1					
$\sqrt{6}$ R	4.755	$\frac{30 \times 28 \times 17}{21 \times 11 \times 13}$	3.199:1					

Type of final drive Hypoid - Three quarter floating

Type of differential Bevel

Final drive ratio 4.3/1 Alternatives 4.55:1, 4.875:1

No. of teeth 10/43 9/41, 8/39

Overdrive ratio, if fitted _____

WHEELS

Type Disc Weight 6.917 kg.

Method of attachment Studs in brake drums

Rim diameter 355.6 m.m. Rim width 101.6 m.m.

Tyre size: Front 5.90 - 14 Rear 5.90 - 14

BRAKES

Method of operation Hydraulic

Is servo assistance fitted? No

Type of servo, if fitted -

No. of hydraulic master cylinders 1 Bore 17.78 m.m.

	Front		Rear
No. of wheel cylinders	2 per wheel		1 per wheel
Bore of wheel cylinders	22.22 m.m.		22.22 m.m.
Inside diameter of brake drums	228.6 m.m.		228.6 m.m.
No. of shoes per brake	2		2
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	219.1 m.m.		219.1 m.m.
		m.m.	m.m.
Width	63.5 m.m.		44.45 m.m.
Total area per brake	27820 m.m. ²		20110 m.m. ²

SUSPENSION

	Front		Rear
Type	Independent		Hotchkiss drive
Type of spring	Coil		Leaf
Is stabiliser fitted?	Yes		Yes
Type of shock absorber	Piston-lever arm		Piston-lever arm
No. of shock absorbers	2		2

STEERING

Type of steering gear	Cam & Peg	
Turning circle of car	11.43	m., approx.
No. of turns of steering wheel from lock to lock	2 ⁵ / ₈	

CAPACITIES AND DIMENSIONS

Cooling system	Fuel tank	45.46	litres	Sump	4.26	litres
	Radiator	6.53	litres			
	Overall length of car	443.23	cm.	Overall width of car	160.2	cm.
	Overall height of car, unladen (with hood up, if appropriate)	149.3	cm.			
	Distance from floor to top of windscreen :					
	Highest point	139.71	cm.	Lowest point	103.5	cm.
	Width of windscreen :					
	Maximum width	127	cm.	Minimum width	111.7	cm.
	*Interior width of car	133	cm.			
	No. of seats	4				
	Track: Front	128.58	cm.	Rear	130.49	cm.
	Wheelbase	254.63	cm.	Ground clearance	149.22	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 1065 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:—

Export suspension

High altitude export conversion - consisting of:

Exhaust manifold Pt. No. 1H1289

Inlet manifold Pt. No. 1H1209

& 2 S.U. HD4 carburettors

Additional fuel tank - 40.86 litres