

'3000' G.T.



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F.I.A. Recognition No. _____

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 Austin Motor Co. Ltd. in association with Donald Healey Motor Co. Ltd.

Model Austin-Healey 3000 G.T. Year of Manufacture 1960.

Serial No. of Chassis HBN7 or BT7.

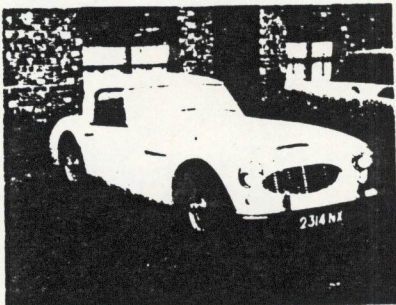
Engine ESP and 29D.

Type of Coachwork Two Seater Sports.

Recognition is valid from 16 / XI / 60 In category B. Group 3.

Grand Touring.

Photo

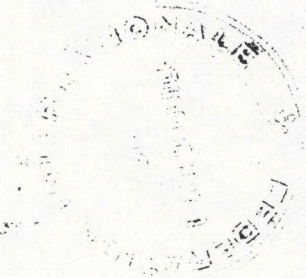


Stamp of F.I.A. to be
affixed here.

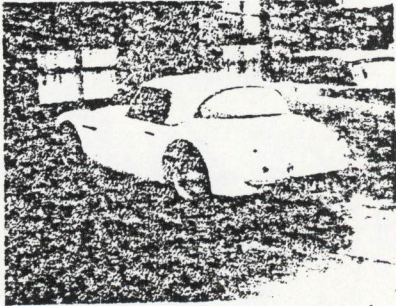


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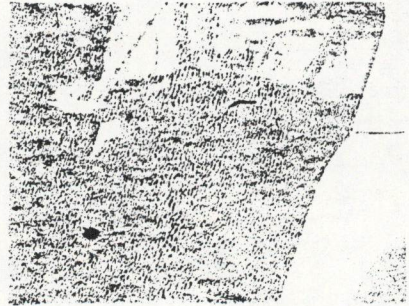
General description of car:



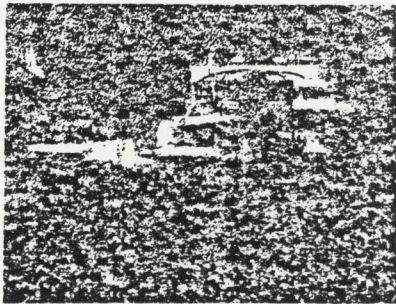
Photographs to be affixed below.



Left side view with accessories from right.



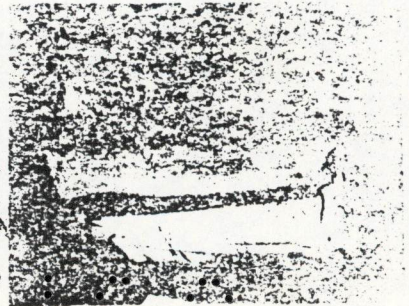
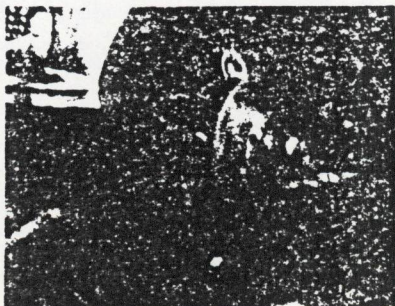
Front view with accessories from left.



Front axle complete (without wheels).



Rear axle complete (without wheels).



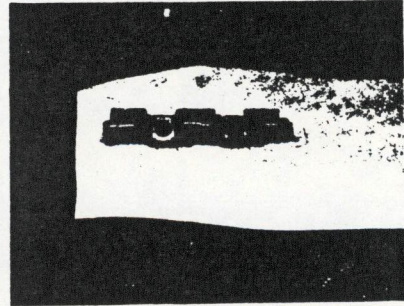
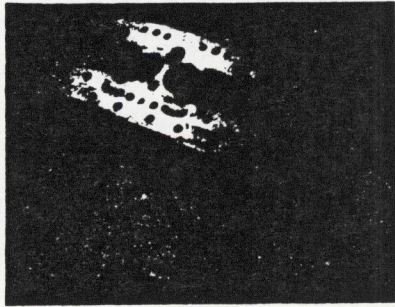
ENGINE

in line yes
 No. of cylinders 6 in V -
 opposed -

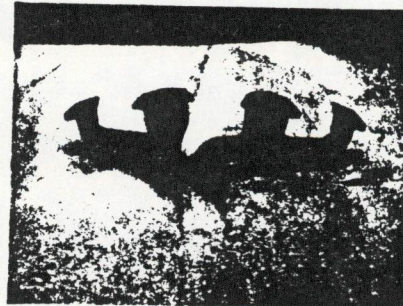
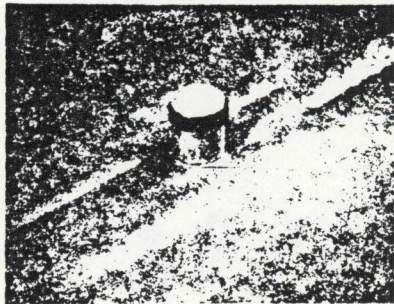
Cycle. 4 stroke Firing order 153624
 Capacity 2912047. c.c. Bore 83.34325 m.m. Stroke 88.962 m.m.
 Maximum rebore. 84.3788 Resultant capacity 2967.68 c.c.
 Material of cylinder block CI 1452/14 Material of sleeves, if fitted none
 Distance from crankshaft centre line to top face of block at centre line of cylinders 260.35 m.m.
 Material of cylinder head CI Volume of one combustion chamber 52.5 c.c.
 Compression ratio 9.03:1
 Material of piston Alum Alloy HG.413 No. of piston rings 4
 Distance from gudgeon pin centre line to highest point of piston crown 47.6251 m.m.
 Bearings { Crankshaft main bearings: Type Shell Dia. 60.369 m.m.
 Connecting rod big end: Type. Half Bearing Dia. 50.838 m.m.
 with ring.
 Weights { Flywheel. 12.7 kg.
 Crankshaft. 26.762 kg.
 Connecting rod. 1.015. kg.
 Piston with rings 0.505 kg.
 Gudgeon pin 0.132 kg.
 No. of valves per cylinder two Method of valve operation Push rods from side
 No. of camshafts one Location of camshafts. In block. Camshaft
 Type of camshaft drive endless roller chain
 Diameter of valves: Inlet 44.45 m.m. Exhaust 39.68 m.m.
 Diameter of port at valve seat: Inlet 42.068 m.m. Exhaust 36.51 m.m.
 Tappet clearance for checking timing: Inlet 0.61 m.m. Exhaust 0.61 m.m.
 Valves open: Inlet 5° BTDC Exhaust 51° BBDC
 Valves close: Inlet 45° ABDC Exhaust 21° ATDC
 Maximum valve lift: Inlet 9.04 m.m. Exhaust 9.04 m.m.
 Degrees of crankshaft rotation from zero to—
 Maximum lift: Inlet 145° Exhaust 139°
 ¾ Maximum lift: Inlet 96° Exhaust 86°
 Valve springs: Inlet Exhaust
 Type HELICAL helical
 No. per valve 2 two
 Carburettor: Type semi down draft No. fitted two or alternative Three. art. 265.
 (up or down draft, horizontal)
 Make S.U. Model R.D.8
 Flange hole diameter. 50.8 m.m. Choke diameter. 50.8 m.m.
 Main jet identification No. 0.125 (UVA) Needle

Type Oil Wetted Element. No. fitted Two

Inlet manifold:
 Diameter of flange at carburettor 44.45 m.m.
 Diameter of flange at port 36.512 m.m.

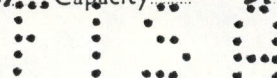


Exhaust manifold:
 Diameter of flange at port (4) 38.1 (2) Rectangular 26.987 x 42.862 m.m.
 Diameter of flange at connection to silencer inlet pipe 44.45 m.m.



ENGINE ACCESSORIES

Make of fuel pump S.U. No. fitted Two.
 Method of operation Electrical.
 Type of ignition system Coil. coil or magneto
 Make of ignition Lucas. Model DM6A.
 Method of advance and retard Centrifugal and Vacuum.
 Make of ignition coil Lucas. Model HA.12.
 No. of ignition coils One. Voltage 12
 Make of dynamo Lucas. Model 045PV6.
 Voltage of dynamo 12 Maximum output 25. amps.
 Make of starter motor Lucas. Model M418G.
 Battery: No. fitted One or Two. Voltage 12 or 6(2) Capacity 57 amp. hour



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Make Austin-Healey 3000 Model BN7 - BT7 F.I.A. Recognition No.

TRANSMISSION

Make of clutch Borg and Beck. Type 10A6-G SDF
 Diameter of clutch plate 10" No. of plates Single.
 Method of operating clutch Hydraulic.
 Make of gearbox B.M.C. Type 4 speed Synchronesh.
 No. of gearbox ratios 4 forward and one reverse.
 Method of operating gearshift Manual.
 Location of gearshift Centre on Floor.
 Is overdrive fitted? Yes - Optional.
 Method of controlling overdrive, if fitted Manual Switch.

	GEARBOX RATIOS		ALTERNATIVE RATIOS					
	Ratio	No. of Teeth	Ratio	No. of Teeth	Ratio	No. of Teeth	Ratio	No. of Teeth
1.	2.93:1	$\frac{26 \times 14}{19 \times 30}$	2.413:1	$\frac{23 \times 13}{22 \times 30}$				
2.	2.053:1	$\frac{26 \times 18}{19 \times 27}$	1.722:1	$\frac{23 \times 17}{22 \times 28}$				
3.	1.509:1	$\frac{26 \times 23}{19 \times 22}$	1.195:1	$\frac{23 \times 20}{22 \times 25}$				
4.	1.00:1	direct	1.00:1	direct				
Reverse	3.78:1		3.102:1					

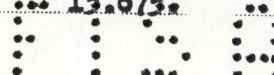
Type of final drive Hypoid (Live axle)
 Type of differential Bevel.
 Final drive ratio 4.1:1 Alternatives 4.3:1, 4.8:1.
 No. of teeth and 3.54 and 3.91 without o/d.
 Overdrive ratio, if fitted 0.822:1 or 0.788:1

WHEELS

Type Wire. Weight 6.92. kg.
 Method of attachment Hub Cap. (centre lock)
 Rim diameter 381.0 m.m. Rim width 114.3 m.m.
 Tyre size: Front 5.90 x 15 Rear 5.90 x 15

BRAKES

Method of operation Hydraulic.
 Is servo assistance fitted? No.
 Type of servo, if fitted -
 No. of hydraulic master cylinders One. Bore 15.875. m.m.



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	Front		Rear	
No. of wheel cylinders	Four		Two	
Bore of wheel cylinders	48.086	m.m.	38.14	m.m.
Inside diameter of brake drums	-	m.m.	-	m.m.
No. of shoes per brake	-		-	
Outside diameter of brake discs	285.75	m.m.	279.4	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 (segment)	70	m.m.	58.8	m.m.
(shape)	47.5	m.m.	38.1	m.m.
Width (approx.)	45	m.m.	38.1	m.m.
Total area per brake	5462.5	m.m. ²	3574.3	m.m. ²

SUSPENSION

	Front		Rear	
Type	Parallel Wishbone		14 leaf.	
Type of spring	Coil.		Semi Elliptic.	
Is stabiliser fitted (anti-roll bar)	Yes		No	
Type of shock absorber	8. 3/16" lever arm		6 lever arm.	
No. of shock absorbers	2		2	

STEERING

Type of steering gear	Cam and Peg.	
Turning circle of car	10.72	m., approx.
No. of turns of steering wheel from lock to lock	three.	

CAPACITIES AND DIMENSIONS

Fuel tank	67.5	litres	Sump	13.5	litres
Radiator	10.2285	litres			
Overall length of car	400.05.	cm.	Overall width of car	152.4	cm.
Overall height of car, unladen (with hood up, if appropriate)	124.46	cm.			
Distance from floor to top of windscreen:					
Highest point.	93.98.	cm.	Lowest point.	91.44	cm.
Width of windscreen:					
Maximum width	119.38	cm.	Minimum width	105.41	cm.
Interior width	124.46	cm.			
No. of seats	2				
Track: Front	123.825	cm.	Rear	127.0	cm.
Wheelbase	232.96562	cm.	Ground clearance	11.7475	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 ~~5127.0~~ ¹⁰⁹⁹ kgs.

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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.....

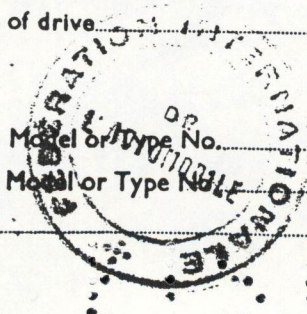
Type of drive..... Ratio of drive.....

Fuel injection, if fitted

Make of pump..... Model or Type No.....

Make of injectors..... Model or Type No.....

Location of injectors.....



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Optional equipment affecting preceding information:—

DRUM BRAKES (Rear)

No of Wheel Cylinders.	2.
Bore of Wheel Cylinders.	19.05 mm.
Inside Diameter of Drums.	279.4 mm.
No of Shoes per wheel.	2
Length of Shoe.	267.46 mm.
Width of Shoe.	57.15 mm.
Total Area per Wheel.	30.645 mm ²



TOURING CAMSHAFT AEC.828

Valves open.	Inlet.	5° BTDC.	Exhaust.	40° BBDC.
Valves close.	Inlet.	40° ABDC.	Exhaust.	10° ATDC.
Maximum Valve lift	Inlet.	7.972 mm.	Exhaust.	7.972 mm.
Degrees crankshaft rotations from zero to:-				
Maximum lift.	Inlet	157°	Exhaust.	157°
$\frac{3}{4}$ Maximum lift.	Inlet	108°	Exhaust.	108°



143010

The Royal Automobile Club

Pall Mall, London, S.W.1



Please address all Communications to

THE SECRETARY

Quoting the following Reference :

C DHD/ER.

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

21st October 1960.
(Dict. Oct.20th).

Monsieur H. Schroeder,
Federation Internationale de l'Automobile,
8 Place de la Concorde,
PARIS,
France.

Dear M. Schroeder,

Austin-Healey 3000 G.T.

I would confirm that the production of this car exceeds 100 units identical with the Form of Recognition within a period of 12 months.

Yours sincerely,

D.H. Delamont.
Manager - Competitions Dept.

The Royal Automobile Club

Pall Mall, London, S.W.1

145.387

Please address all Communications to

THE SECRETARY

Quoting the following Reference :

CBB/240.



Telegrams: AUTOMOBILE LONDON

Telephone: WHITEHALL 2345 (26 lines)

26th. April, 1961.

Monsieur H. Schroeder,
Secretary, C.S.I.,
Federation Internationale de l'Automobile,
8 Place de la Concorde,
Paris VIIIe,
France.

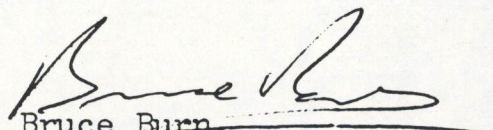
Dear Monsieur Schroeder,

Austin-Healey 3000 G.T.

An omission has come to light regarding the form of recognition for this car. Where two carburettors are fitted these are semi-down draught as indicated on the form, but when three carburettors are fitted these are horizontal.

We have added this information to our copies of the form and would appreciate your doing likewise with the forms held by the F.I.A.

Yours sincerely,


Bruce Burn,
for Manager,
Competitions Dept.

c.c. to M. Peyerimhoff.