F.I.A. Recognition No. 1047

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.

Model Austin 7 Year of Manufacture 1959

Serial No. of Chassis A-A2S7

Engine 8A/U/H

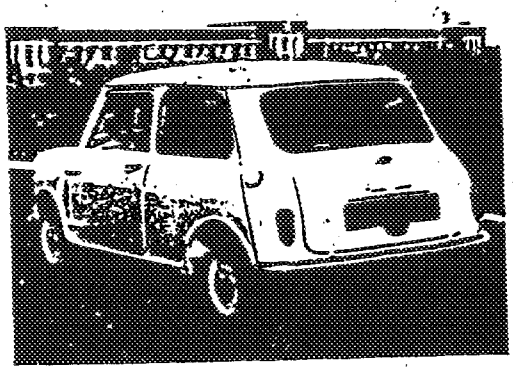
Type of Coachwork Saloon

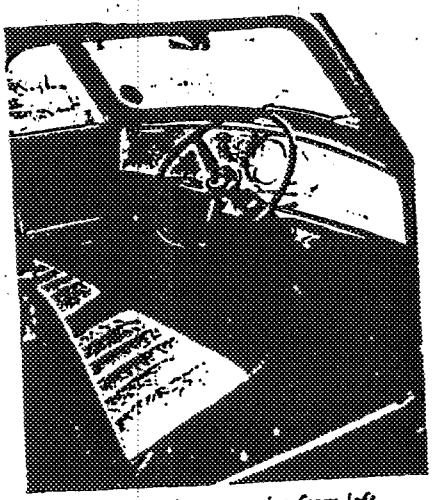
Recognition is valid from 17/9/59 In category Touring

Ref. No. AD015A/59

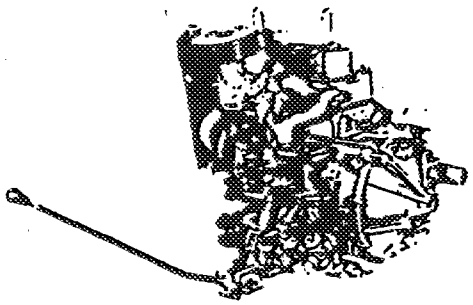
General description of car:

Photographs to be affixed

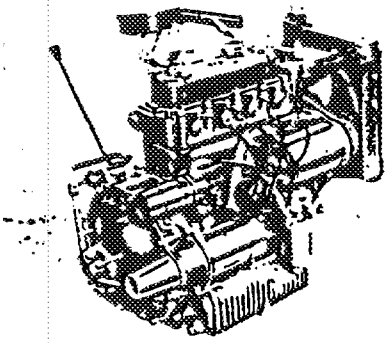




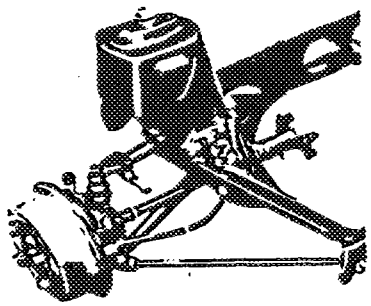
Engine unit with accessories from left.

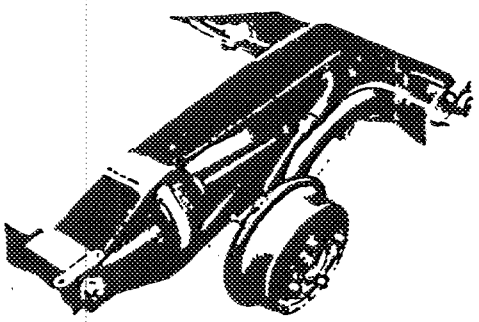


Front axle complete (without wheels).



Rear axle complete (without wheels).





ENGINE

in line: in line
No. of cylinders: 4
in V: –
opposed: –

Cycle: four
Firing order: 1,3,4,2
Capacity: 848 c.c.
Bore: 62.94 m.m.
Stroke: 68.26 m.m.
Maximum rebore: 1.016 M/M O/Size
Resultant capacity: 878 c.c.
Material of cylinder block: Cast Iron
Material of sleeves, if fitted: C1 (Service purposes only)
Distance from crankshaft centre line to top face of block at centre line of cylinders: 218.4 m.m.
Material of cylinder head: Cast Iron
Volume of one combustion chamber: 24.5 c.c.
Compression ratio: 8.3:1
Material of piston: Aluminium
No. of piston rings: 4
Distance from gudgeon pin centre line to highest point of piston crown: 38 m.m.

Bearings:
- Crankshaft main bearings: Type Thinwall (steel backed white metal) Dia. 44.5 m.m.
- Connecting rod big end: Type Thinwall (steel backed copper lead) Dia. 41.33 m.m.

Weights:
- Flywheel 7.03 kg.
- Crankshaft 8.5 kg.
- Connecting rod .82 kg.
- Piston with rings .271 kg.
- Gudgeon pin .122 kg.

No. of valves per cylinder: 2
Method of valve operation: Push Rod
No. of camshafts: one
Location of camshafts: Cylinder block
Type of camshaft drive: Single roller chain

	Inlet	Exhaust
Diameter of valves:	27.8 m.m.	25.4 m.m.
Diameter of port at valve seat:	24.6 m.m.	23.06 m.m.
Tappet clearance for checking timing:	.48 m.m.	.48 m.m.
Valves open:	5° BTDC	40° BBDC
Valves close:	45° ABDC	10° ATDC
Maximum valve lift:	7.24 m.m.	7.34 m.m.
Degrees of crankshaft rotation from zero to— Maximum lift:	115°	115°
½ Maximum lift:	67½°	67½°
Valve springs:	Inlet	Exhaust
Type	Single	Single
No. per valve	One	One

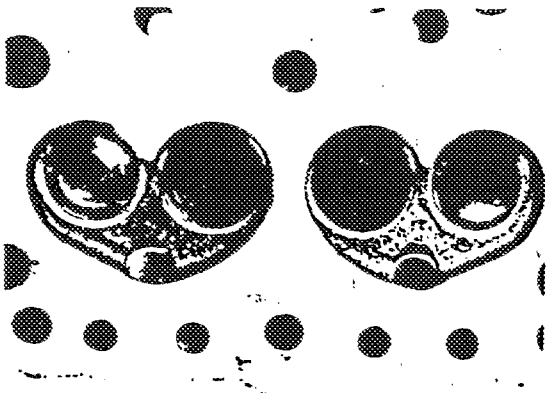
Carburettor: Type Semi-Downdraft (up or down draft, horizontal) No. fitted: One
Make: SU
Model: HS2
Flange diameter: 65 m.m.
Choke diameter: 31.75 m.m.
Main jet identification No. – Needle EB Standard
" M Rich
" GG Weak

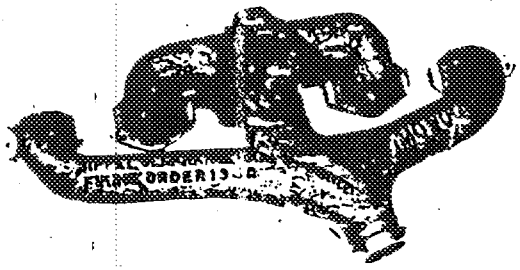
Air filter: Type Paper element No. fitted One

Inlet manifold:

Diameter of flange at carburettor 31.75 m.m.

Diameter of flange at port 26.98 m.m.

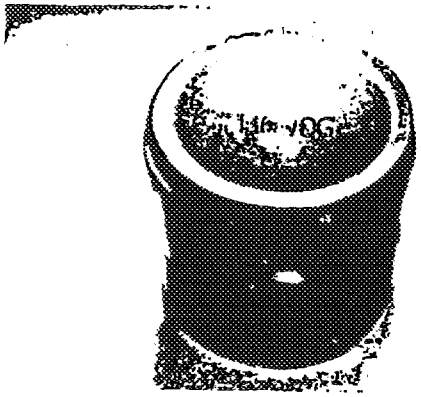




Exhaust manifold:

Diameter of flange at port 22.23 x 26.98 m.m.

Diameter of flange at connection to silencer inlet pipe 28.57 m.m.



Photograph of exhaust manifold to be affixed here.

See above

ENGINE ACCESSORIES

Make of fuel pump SU No. fitted One

Method of operation Electric

Type of ignition system Coil coil or magneto

Make of ignition Lucas Model Distributor DM2

Method of advance and retard Centrifugal and Vacuum

Make of ignition coil Lucas Model A12

No. of ignition coils One Voltage 12

Make of dynamo Lucas Model C40/1

Voltage of dynamo 12 Maximum output 22 amps.

Make of starter motor Lucas Model M35 G1

Battery: No. fitted One Voltage 12 Capacity Standard 34 amp. hour

Export 43 amp hour

Make Morris Model Mini-Minor F.I.A. Recognition No. 1047

TRANSMISSION

Make of clutch B.M.C. Type Direct acting (frictio
Diameter of clutch plate 181 mm No. of plates one
Method of operating clutch Hydraulic
Make of gearbox British Motor Corporation Type 4 speed unit with engin
No. of gearbox ratios 4 forward and 1 reverse
Method of operating gearshift Mechanical by gear lever
Location of gearshift Central at floor level
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.	3.627	$\frac{28}{19} \times \frac{32}{13}$						
2.	2.1717	$\frac{28}{19} \times \frac{28}{19}$						
3.	1.412	$\frac{28}{19} \times \frac{23}{24}$						
4.	1.000	-						
Reverse	3.627	$\frac{28}{19} \times \frac{32}{13}$						

Type of final drive Single Helical - Spur gear
Type of differential Bevel type
Final drive ratio 3.765:1 Alternatives None
No. of teeth 64/17
Overdrive ratio, if fitted -

WHEELS

Type Disc - low flange safety rim Weight 5 lb 11 oz 2.582 kg.
Method of attachment Nut and stud
Rim diameter 10 ins 254 m.m. Rim width 3.5 ins 88.9 m.m.
Tyre size: Front 5.20 x 10 Rear 5.20 x 10

BRAKES

Method of operation Main - Hydraulic Handbrake - Mechanical
Is servo assistance fitted? No
Type of servo, if fitted Not fitted
No. of hydraulic master cylinders One Bore 19.05 m.m.

	Front	Rear
No. of wheel cylinders	one	one
Bore of wheel cylinders	15/16" 23.81 m.m.	¾" 19.05 m.m.
Inside diameter of brake drums	7" 177.8 m.m.	7" 177.8 m.m.
No. of shoes per brake	two	two
Outside diameter of brake discs	— m.m.	— 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	6.2" 158.8 m.m.	6.2" 158.7 m.m.
	— m.m.	— m.m.
Width	1.2" 31.7 m.m.	1.2" 31.7 m.m.
Total area per brake	10,062 m.m.	10,062 m.m.²

SUSPENSION

	Front	Rear
Type	Independent	Independent
Type of spring	Rubber cone unit	Rubber cone unit
Is stabiliser fitted?	No	No
Type of shock absorber	Telescopic	Telescopic
No. of shock absorbers	1 per suspension unit	1 per suspension

STEERING

Type of steering gear Rack and pinion

Turning circle of car 32 ft 9ins 9.982 m., approx.

No. of turns of steering wheel from lock to lock 2¼

CAPACITIES AND DIMENSIONS

Fuel tank 6 galls 24.5 litres Sump 9 pints 5 litres

Cooling system 3.0 litres

Overall length of car 120.25" 305.4cm. Overall width of car 55⅓" 140 cm.

Overall height of car, unladen (with hood up, if appropriate) 55⅓" 141.0 cm.

Distance from floor to top of windscreen:

Highest point 41" 104.1 cm. Lowest point 29½" 75 cm.

Width of windscreen:

Maximum width 45" 114 cm. Minimum width 43" 109 cm.

Interior width 45⅝" 1156 cm. (between front doors)

No. of seats 4

Track: Front 3'11 7/16" 120.5 cm. Rear 3'9⅞" 116.5 cm.

Wheelbase 80" 203.2 cm. Ground clearance 7⅛" 181 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 585.6 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:—

The overall weight given on the preceeding page is for the de-luxe model.
Weight deduction for De-Luxe without heater is 4.65 kg
Weight deduction for Basic Model is 16.8 kg
Cooling system capacity without heater is 3 litres

1047

The Austin Motor Company Ltd
Longbridge Birmingham 31

Name of Model ....Austin 7.....

Manufacturers Reference No.

of Application ....ADO 15A/59.....

P.I.A. Recognition No. ..1047....

An auxilliary fuel tank, capacity 5½ gallons (25 litres) is now available for this model, identified by Part Number 21A.1317, as an optional extra.

Agreed by CM.

MEMBER OF THE FEDERATION INTERNATIONALE

FILE

AGSN. LTD.

Manufacturers Reference No. for Application ADO 15 A / 59

F.I.A. Recognition No. 1047 I/ET

ROYAL AUTOMOBILE CLUB

PALL MALL, LONDON, S.W.1.

Federation Internationale de l'Automobile.

Amendment to Form of Recognition

Manufacturer The Austin Motor Company Limited

Model Austin 7

Brakes

Master cylinder - Bore 17.78 m.m.

	Front	Rear
No. of wheal cylinders	4	2
Bore of wheel cylinders	20.32mm	15.88mm
Inside Dia. of brakedrum	177.8mm	177.8mm
No. of shoes per brake	2	2

Dimensions of Linings

Length	171.45mm	171.45mm
Width	38.10mm	31.75mm
Total Area Per Brake	1306cmm	1088cmm

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

Date amendment is valid from 16 Nov 1964

Form: R.F.I.B.

Manufacturers Reference No. for Application

ADO 15 A / 59

F.I.A. Recognition No. 1047 /1/ET

ROYAL AUTOMOBILE CLUB

PALL MALL, LONDON, S.W.1.

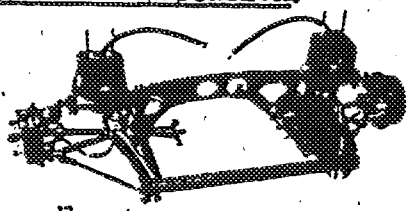
Federation Internationale de l'Automobile.

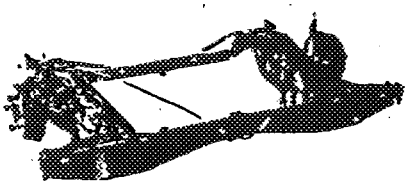
Amendment to Form of Recognition

Manufacturer The Austin Motor Company Limited

Model Austin 7

Introduction of Hydrolastic Suspension.





Suspensions	Front	Rear
Type	Transverse wishbone	Trailing arm
Type of spring	Hydrolastic displacer	Hydrolastic displacer
Is stabilizer fitted	No	No
Type of shockabsorber	Incorporated in displacer	Incorporated in displacer

Clutch - introduction of Diaphragm Clutch.

Make of clutch	-	Borg and Beck
Type	-	Diaphragm Spring (single plate
Diameter of Clutch Plate	-	181.0 m.m.
No. of Plates	-	1

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

Date amendment is valid from 16 Nov 1964

Form: R.F.I.B.

Manufacturers Reference No. for Application
15 M/59
ADO 15 A/59

F.I.A. Recognition No. 1048 1047 2/ET

ROYAL AUTOMOBILE CLUB

PALL MALL, LONDON, S.W.1.

Federation Internationale de l'Automobile.

Amendment to Form of Recognition

Manufacturer The British Motor Corporation

Model Morris/Austin Mini

Add to optional equipment

High Traction Differential Part No. C/AJJ 3303

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

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

Date amendment is valid from 1st April 1965

Form: R.F.I.B.

R.A.C.
MOTOR SPORTS
DEPT.