Manufacturers Reference No. for Application ADO. 50/64

F.I.A. Recognition No. 1298

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 British Motor Coporation in association with the Cooper Car Co. Ltd,

Model Austin/Morris Mini Cooper Year of Manufacture 1964

Serial No. of Chassis C/A2S7 & K/A2S4

Engine 9FA-SA-H

Type of Coachwork 2 door saloon

Recognition is valid from 11th April 1964 In category Tourisme

Photograph of car, right.

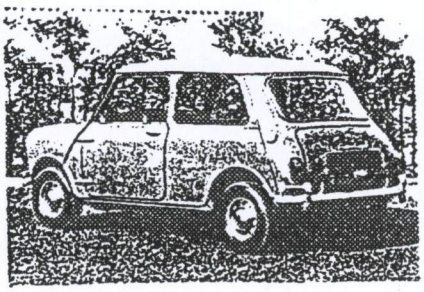
Stamp of F.I.A./R.A.C. to be affixed here.

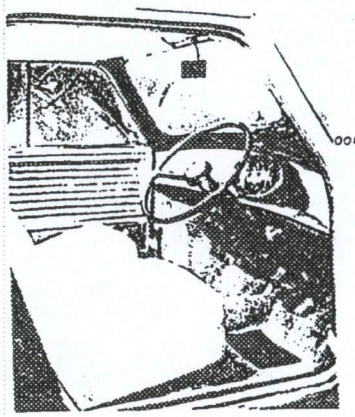
Form: R.F.I.A.

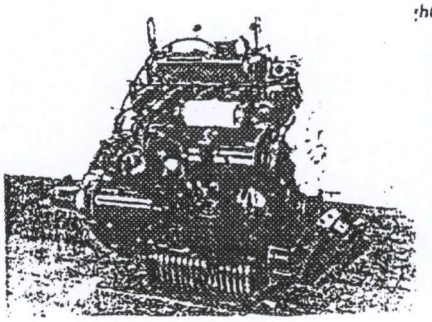
General description of car: 4 seater 2 door saloon of steel unitary construction [illegible] by transverse engine in unit with gearbox and final drive driving front wheels. Suspension - all independent via cone springs.

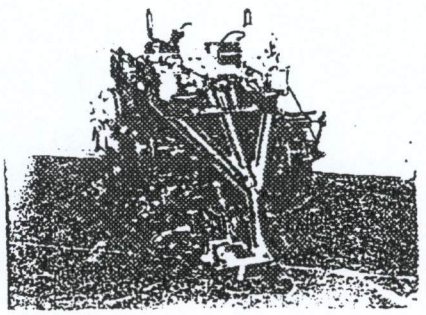
Specify here materials of chassis/body construction

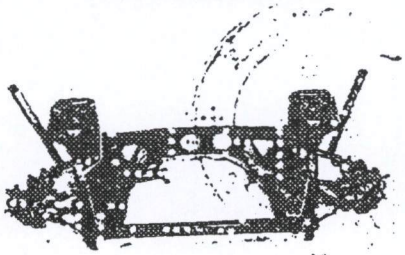
Photographs to be affixed

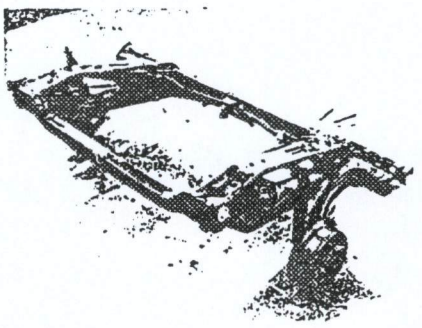












ENGINE

in line Yes

No. of cylinders 4 in V

opposed

Cycle 4 stroke Firing order 1,3,4,2.

Capacity 998 c.c. Bore 64.58 m.m. Stroke 76.2 m.m.

Maximum rebore + .020" Resultant capacity 1016 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 218.31 / 218.57 m.m.

Material of cylinder head Cast Iron Volume of one combustion chamber 28.29 c.c.

Compression ratio 9.0:1 or 7.8:1

Material of piston Aluminium Alloy No. of piston rings

Distance from gudgeon pin centre line to highest point of piston crown 33.96 / 34.09 m.m.

Bearings { Crankshaft main bearings: Type Copper Lead Dia. 44.46 m.m.
Connecting rod big end: Type Copper Lead Dia. 41.28 m.m.

Weights { Flywheel 6.69 kg.
Crankshaft 9.5 kg.
Connecting rod 0.68 kg.
Piston with rings 0.18 kg.
Gudgeon pin 0.057 kg.

No. of valves per cylinder 2 Method of valve operation Pushrod & Rocker

No. of camshafts 1 Location of camshafts In Crankcase

Type of camshaft drive Chain

Diameter of valves:	Inlet 30.94 m.m.		Exhaust 25.4 m.m.	
Diameter of port at valve seat:	Inlet 29.77 m.m.		Exhaust 23.06 m.m.	
Tappet clearance for checking timing:	Inlet 0.53 m.m.		Exhaust 0.53 m.m.	
Valves open:	Inlet 5° BTDC		Exhaust 51° BBDC	
Valves close:	Inlet 45° ABDC		Exhaust 21° ATDC	
Maximum valve lift:	Inlet 8.08 m.m.		Exhaust 8.08 m.m.	
Degrees of crankshaft rotation from zero to—				
Maximum lift:	Inlet 110° ATDC		Exhaust 105° BTDC	
¾ Maximum lift:	Inlet 62½° ATDC		Exhaust 157° 36' BTDC	
Valve springs:	*Inlet*		*Exhaust*	
Type	Coil		Coil	
No. per valve	Two		Two	

Carburettor: Type Semi down draught (up or down draft, horizontal) No. fitted 2

Make S.U. Model HS2 or H4

Flange hole diameter 31.75 m.m. Choke diameter Variable m.m.

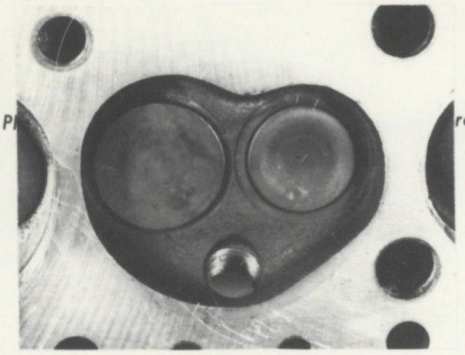
Main jet identification No. 0.090"

Air filter: Type Combined Air Cleaner/Silencer No. fitted 2

Inlet manifold:

Diameter of flange hole at carburettor Less chamfer 38.1 m.m.

Diameter of flange hole at port Less chamfer 33.4 m.m.



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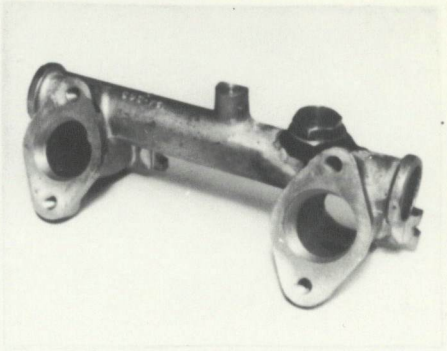


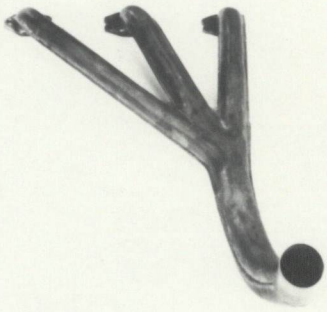
Exhaust manifold: Outer Ports 27.79 x 23.01

Diameter of flange hole at port Centre Port 27.79 x 26.19 m.m.

Diameter of flange hole at connection to silencer inlet pipe 42.06 m.m.

Photograph affixed here.

Photograph here.



ENGINE ACCESSORIES

Make of fuel pump S.U. No. fitted 1

Method of operation Electrical

Type of ignition system Coil coil or magneto

Make of ignition Lucas Model 25D4

Method of advance and retard Centrifugal & vacuum control

Make of ignition coil Lucas Model HA12

No. of ignition coils 1 Voltage 12

Make of dynamo Lucas Model C/40

Voltage of dynamo 12 Maximum output 19 amps.

Make of starter motor Lucas Model M35G

Battery: No. fitted 1 Voltage 12 Capacity 43 amp. hour

Oil Cooler (if fitted) type Capacity pints

Make Austin / Morris Model Cooper F.I.A. Recognition No.

Manufacturers Reference No. of Application ADO.50 / 64

TRANSMISSION

Make of clutch Borg & Beck Type Diaphragm spring

Diameter of clutch plate 181.0 m.m. No. of plates 1

Method of operating clutch Hydraulic

Make of gearbox B.M.C. Type Synchro 2nd, 3rd, Top.

No. of gearbox ratios 4 forward, 1 reverse.

Method of operating gearshift Manual remote control

Location of gearshift Central between front seats

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.	3.2:1	$\frac{26}{20} \times \frac{32}{13}$						
2.	1.916:1	$\frac{26}{20} \times \frac{28}{19}$						
3.	1.355:1	$\frac{26}{20} \times \frac{24}{23}$						
4.	1.0:1							
R.	3.2:1	$\frac{26}{20} \times \frac{18}{13} \times \frac{32}{16}$						

Type of final drive Single helical spur

Type of differential Bevel pinion

Final drive ratio 3.765:1 Alternatives 4.133:1, 3.44:1,

No. of teeth 17/64 15/62, 18/62

Overdrive ratio, if fitted

WHEELS

Type Disc with safety ledge rim Weight 3.175 kg.

Method of attachment 4 stud

Rim diameter 254.0 m.m. Rim width 88.8 m.m.

Tyre size: Front 5.20 x 10 Rear 5.20 x 10

BRAKES

Method of operation Hydraulic

Is servo assistance fitted? No

Type of servo, if fitted

No. of hydraulic master cylinders 1 Bore 15.875 m.m.

	Front	Rear
No. of wheel cylinders	4	2
Bore of wheel cylinders	41.275 m.m.	15.875 m.m.
Inside diameter of brake drums	m.m.	177.8 m.m.
No. of shoes per brake		2
Outside diameter of brake discs	178.0 m.m.	m.m.
No. of pads per brake	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 (Irregular)	(Approx. 58.42 m.m.	171.45 m.m.
	(m.m.	m.m.
Width	(Approx. 40.64 m.m.	31.75 m.m.
Total area per brake	4452. m.m.²	10887. m.m.²

SUSPENSION

	Front	Rear
Type	Transverse wishbone	Trailing arm
Type of spring	Rubber cone	Rubber cone
Is stabiliser fitted?	No	No
Type of shock absorber	Telescopic	Telescopic
No. of shock absorbers	2	2

STEERING

Type of steering gear Rack & Pinion

Turning circle of car 9.2 m., approx.

No. of turns of steering wheel from lock to lock 2½

CAPACITIES AND DIMENSIONS

Fuel tank 25 or 50 litres Sump 5.12 litres

Radiator 3.5 litres

Overall length of car 305.5 cm. Overall width of car 141 cm.

Overall height of car, unladen (with hood up, if appropriate) 134.6 cm.

Distance from floor to top of windscreen :

Highest point 105 cm. Lowest point 102 cm.

Width of windscreen :

Maximum width 112 cm. Minimum width 105 cm.

*Interior width of car 116.8 cm.

No. of seats 4

Track: Front 120.73 cm. Rear 116.5 cm.

Wheelbase 203.5 cm. Ground clearance 162 m.m.

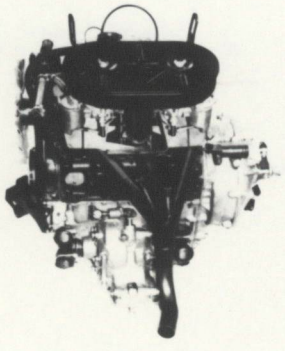
*(To be measured at the immediate rear of the steering wheel, and the width quoted to be maintained in a vertical plane of not less than 25 cms.)

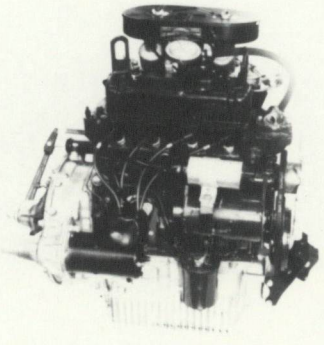
Overall weight with water, oil and spare wheel, but without fuel 615. kgs.

Optional equipment affecting preceeding information:—

Sump Guard - 21A.1340

Closed Circuit Breathing System.





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ADO 50/64

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Federation Internationale de l'Automobile.

Amendment to Form of Recognition

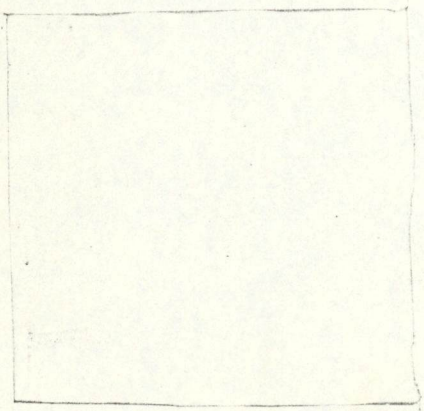
Manufacturer The British Motor Corporation in association with The Cooper Car Company

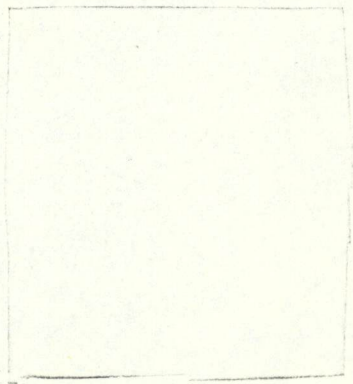
Model Austin/Morris Mini Cooper

Closed Circuit Breathing System

Introduced intermittently to suit North American market requirements.

See Photographs Page 8





FEDERATION INTERNATIONALE DE L'AUTOMOBILE

Stamp of F.I.A./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

ADO 50/64

F.I.A. Recognition No. 1298 2/ET

ROYAL AUTOMOBILE CLUB

PALL MALL, LONDON, S.W.I.

Federation Internationale de l'Automobile.

Amendment to Form of Recognition

Manufacturer The British Motor Corporation in association with The Cooper Car Co. Ltd

Model Morris/Austin Mini Cooper

Add to optional equipment

High Traction Differential Part No. C/AJJ 3303

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

Stamp of R.A.C. Office to be

Date amendment is valid from 1st April 1965

Manufacturers Reference No. for Application

AD0.50/64

F.I.A. Recognition No. 1298

ROYAL AUTOMOBILE CLUB

PALL MALL, LONDON, S.W.I.

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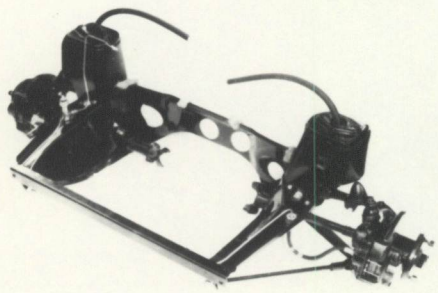
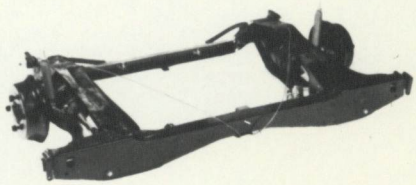
Amendment to Form of Recognition

Manufacturer The British Motor Corporation in association with The Cooper Car Company

Model Austin/Morris Mini Cooper

Introduction of Hydrolastic Suspension





Suspension	Front	Rear
Type	Transverse wishbone	Trailing arm
Type of Spring	Hydrolastic Displacer	Hydrolastic Displacer
Is stabilizer fitted?	No	No
Type of shockabsorbers	Incorporated in Displacer	Incorporated in Displacer

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

Date amendment is valid from

Form: R.F.I.B.