AH32/61



F.I.A. Recognition No. 57

ROYAL AUTOMOBILE CLUB

PALL MALL, LONDON, S.W.I.

Federation Internationale de l'Automobile.

Form of Recognition in accordance with Appendix I to the International Sporting Code.

Manufacturer.	Austin Motor Company Limited i	n association with	Donald Healey	Motor	Co.
Model A	ustin Healey 3000 Mk.II	Year of Manufacture	1961		Ltd.
	Chassis H/BN7 Mk.II or H/BT7 Mk.	II			
Serial No. of	Engine 29E or XSP				
Type of Coach	work 2 or 4 seater sports valid from 3 MA 1962				
Recognition is	valid from - 3 MAI 1302	In category	GT		



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

Form: R.F.I.A.

B. W. C.

EG. 106839 NO.

RE-ORDERING

General description of car:

Specify here material/s of chassis/body construction

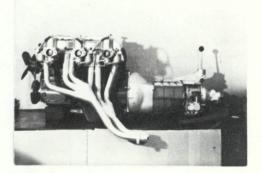
2 or 4 seater sports of steel/aluminium contruction, fitted with hardtop or folding hood, powered by 6 cylinder OhV 3 carburettor engine driving rear wheels through 4 speed synchromesh gearbox incorporating O/Drive. Front suspension by independent wishbones and coil springs and semi elliptic leaf springs at rear.

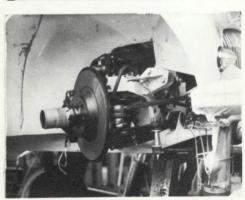


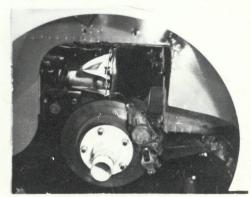












-	B. I	IN	-
-	N		-

Yes in line No. of cylinders. in V. opposed 4 stroke Firing order Cycle 88.96 83.34 m.m. 2912 Bore. Capacity... C.C. Maximum rebore 0.040" 1.016mm 2967.6 Resultant capacity. Material of cylinder block Cast Iron Material of sleeves, if fitted. Distance from crankshaft centre line to top 260.35 m.m. face of block at centre line of cylinders 52.5 Material of cylinder head Aluminium Volume of one combustion chamber. C.C. Compression ratio 9.03:1 Aluminium aloy No. of piston rings. Material of piston.... 47.62 Distance from gudgeon pin centre line to highest point of piston crown m.m. 60.37 Shell Crankshaft main bearings: Type . Dia. m.m. 50.84 Shell Connecting rod big end: Type. Dia. m.m. 12.7 kg. Flywheel 26.76 kg. Crankshaft 1.015 kg. Weights Connecting rod. 0.505 kg. Piston with rings. kg. Gudgeon pin Push rod & rockers Method of valve operation. No. of valves per cylinder..... Cylinder block Location of camshafts. No. of camshafts Type of camshaft drive. Roller chain 39.68 m.m. Exhaust 44.45 m.m. Diameter of valves: Inlet Diameter of port 36.51 42.068 m.m. Exhaust. m.m. at valve seat: Inlet Tappet clearance for 0.46 m.m. 0.46 Exhaust Inlet m.m. checking timing: 69° B.B.D.C. B.T.D.C. Exhaust Valves open: Inlet 390 A.B.D.C. A.B.D.C. Exhaust Inlet Valves close: 11.12 m.m. Exhaust Inlet Maximum valve lift: Degrees of crankshaft rotation from zero to-Exhaust Inlet Maximum lift: 96 Exhaust 96 3 Maximum lift: Inlet Exhaust Inlet Valve springs: Coil Coil Туре 2 No. per valve. Type Horizontal or semi-down No. fitted (up or down draft, horizontal) draught. HD8 S.U. Model. Make 50.8 m.m. 50.8 m.m. , Choke diameter Flange hole diameter Main jet identification No. 0.125" - UVB needle Alternative carburettor equipment - Art. 265 No. fitted - 3 \ Make - Weber Model - 45DCOE Type - Horizontal Choke dia. - 38mm Flange hole dia. - 45mm

Air filter: Type Pancake

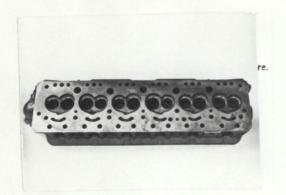
Inlet manifold:

Diameter of flange hole at carburettor

Diameter of flange hole at port...

No. fitted 44.45

m.m.



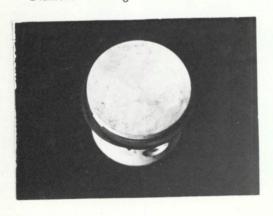


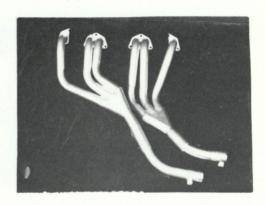
Exhaust manifold:

Diameter of flange hole at port Four 38.1dia. Two outer26.987x42.86

44.45 Diameter of flange hole at connection to silencer inlet pipe...

m.m. m.m.





ENGINE ACCESSORIES

Make of fuel pump	S.U.		No. fitted	Two	
Method of operation	Electr	ical		lios	or magneto
Type of ignition system.	Coil		т		or magneto
Make of ignition Lucas			Model	JMOA	
Method of advance and re	tard	Centrifugal &	vacuum	71440	
Make of ignition coil			Model	HA12	
No. of ignition coils			Voltage	12	
Make of dynamo			Model	C45PV6	
Voltage of dynamo	12			utput 25 N.4-1GC	amps.
Make of starter motor	Lucas		Model		
Battery: No. fittedQne	or Two	/oltage 12 or 6 (2	(2) Capacity	57	amp. hour
Oil Cooler (if fitted) to			Capacity	-	pints

Manufacturers Reference No. of Application AH32/61

TRANSMISSION

Borg & Beck Make of clutch. Diaphragm Туре Diameter of clutch plate... No. of plates One Method of operating clutch Hydraulic Make of gearbox B.M.C. Type Synchromesh 2nd, 3rd, top No. of gearbox ratios 4 forward, 1 reverse Method of operating gearshift Manual Location of gearshift Central on gearbox tunnel Is overdrive fitted? Yes Electrical manual switch Method of controlling overdrive, if fitted.....

	GEARBOX RATIOS		ALTERNATIVE RATIOS					
	Ratio	No. of Teeth	Ritio	No. of Teeth	Ratio	No. of Teeth	Ratio	No. of Teeth
1.	2.88:1	25 x 30 20 13	2.64:1	24 x 30 21 13				
2.	2.06:1	25 x 28	1.88:1	24 x 28 21 17				
3.	1.31:1	25 x 23	1.43:1	24 x 25 21 20				
4.	1.0:1	20 22	1.0:1	21 20				
/9/R	3.72:1	25x18x30	3.391:1	24x18x30 21 13 14				

Type of final drive Hypoid or limite	a slip
Type of differential Bevel	
Final drive ratio 3.9:1 Ale	ternatives 4.3:1, 4.8:1, 3.54:1, 4.1:1
No. of teeth 11/43	
Overdrive ratio, if fitted 0.822:1	l or 0.788:1
WHEELS	
Type Wire	Weight 6.92 kg.
Method of attachment Centre	lock hub cap
Rim diameter 381.0 m.m.	Rim width 114.3
Tyre size: From 5.90 x 15	Rear 5.90 x 15
BRAKES	
Method of operation Hydraulic	
ds servo assistance fitted? Yes	•
Type of servo, if fitted Vacuum	1
No of hydraulic master cylinders One or Tandem	Bore 15.875 m.m.

B.M.C.

NEG. 106838 No.

PLEASE QUOTE WHEN

				Fro	ent	Red	ır.
1	No. of wheel c	ylinders	******	Four	•	Four	n
	Bore of wheel	cylinders		48.08	35 m.m.	38.14	⊢ m.m.
1	Inside diameter	of brake drum	s		m.m.	_	m.m.
1	No. of shoes pe	er brake	******	_		_	
(Outside diamet	er of brake disc	cs	285.75	m.m.	279.4	h m.m.
1	No. of pads per	r brake	******		***************************************	2	
	Dimensions of dimensions, s	brake linings pospecify each)	er sho	e or pad (if	all shoes or pad	s in each brake ar	
				Fro	nt ·	Red	ır
L	Length	Segment	(70.0	m.m.	58.8	m.m.
			(47.5	m.m.	38.1	m.m.
1	Width		******	45.0	m.m.	38.1	m.m.
	Total area per	brake		5462.5	m.m. ²	3574.3	m.m. ²
SUSP	PENSION			Fro	nt	Red	ır
7	Туре			Paralle1	Lwishbone	Semi ellip	tic spring
. 7	Type of spring			Coil		Leaf	
1	ls stabiliser fitte	ed?		Yes		No	
. 7	Type of shock a	absorber	******	Lever arm		Lever arm	
1	No. of shock at	osorbers		2	***************************************	2	
STEE	RING						
Т	Type of steerin	g gear		Cam & pe	eg .		
		of car					m., approx.
		f steering when					
1			NS				
	ACITIES ANI	DIMENSIO					
CAPA		00 00		litres	Sump	13.5	litros
CAPA	ACITIES AND	90.90		litres	Sump	13.5	litres
CAPA F	ACITIES ANI Fuel tankRadiator	90.90 10.3		litres	Julip	450.1	
CAPA F	ACITIES ANI Fuel tank Radiator Overall length	90.90 10.3 of car 400.	.05	litres cm. (Overall width o	f car 152.4	litres cm.
CAPA F .R	Fuel tank Radiator Overall length Overall height	90.90 10.3 of car 400. of car, unladen	.05 (with	cm. (Julip	f car 152.4	
CAPA F .R	Fuel tank Radiator Overall length Overall height Distance from f	90.90 10.3 of car 400. of car, unladen loor to top of v	,05 (with	litrescm. (hood up, if a	Overall width o	f car. 152.4 4.46 cm.	cm.
CAPA F .R C	Fuel tank Radiator Overall length Overall height Distance from f	90.90 10.3 of car 400. of car, unladen loor to top of voint. 93.98	,05 (with	litrescm. (hood up, if a	Overall width o	f car 152.4	cm.
CAPA F .R C	Fuel tank Radiator Overall length Overall height Distance from f Highest po	90.90 10.3 of car. 400. of car, unladen cloor to top of work of the server of the	.05 (with windsco	militres micm. (hood up, if a reen: micm. Lo	Overall width o	f car. 152.4 4.46 cm.	cm.
CAPA F R C C	Fuel tank Radiator Overall length Overall height Distance from f Highest po Width of winds	90.90 10.3 of car 400. of car, unladen floor to top of voint. 93.98 screen:	,05 (with windsco	militres cm. (hood up, if a reen: cm. Lo	Overall width o	f car. 152.4 4.46 cm.	cm.
CAPA F R C C V	Fuel tank Radiator Overall length Overall height Distance from f Highest po Width of winds Maximum Interior width	90.90 10.3 of car. 400. of car, unladen floor to top of voint. 93.98 screen: width 119 of car 121	,05 (with windsco	litrescm. (hood up, if a reen:cm. Locmcm.	Overall width o appropriate). 12 owest point	f car. 152.4 4.46 cm. 1.44 105.41	cm. cm.
CAPA F R C C V	Fuel tank Radiator Overall length Overall height Distance from f Highest po Width of winds Maximum Interior width	90.90 10.3 of car. 400. of car, unladen floor to top of voint. 93.98 screen: width 119 of car 121	,05 (with windsco	litrescm. (hood up, if a reen:cm. Locmcm.	Overall width o appropriate). 12 owest point	f car. 152.4 4.46 cm. 1.44 105.41	cm. cm.
CAPA F R C C V *II	Fuel tank Radiator Overall length Overall height Distance from f Highest po Width of winds Maximum Interior width of No. of seats	90.90 10.3 of car. 400. of car, unladen cloor to top of work of the series of the	.05 (with windsci 3 9.38 4.46	litres cm. (hood up, if a reen: cm. Lo cm. cm.	Overall width o appropriate) 12 owest point 9 Minimum width	f car. 152.4 4.46 cm.	cm. cm.

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 Area m.m. m.m.2 1 21.8 Size of exhaust port: Length measured around cylinder wall. m.m. 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:-

Fouring Equipment.

Cylinder head - cast iron Part No. AEC.1355 Exhaust manifold - Part No. AEC.1377 & AEC.1378 Rear drum brakes 11" x 2¹/₄ Clutch - Type 10A6G Camshaft AEC.2029 - Inlet opens - 5° BTDX

Inlet opens - 5° BTDC Exhaust opens 51° BBDC Inlet closes - 45° ABDC Exhaust closes 21° ATDC Max. lift - 9.2mm

Fuel tank 113.64 litres