

F.I.A. Recognition No. 30

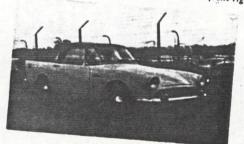
PALL MALL, LONDON, S.W.I.

Federation Internationale de l'Automobile.

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

Manufacturer SUNBEAM TALE Model SUNBEAM ALPINE II	BOT. RYTON-ON-DUNSMORE. COVENTRY.
Serial No. 6 Chassis B. 900001	• 9100001 • 9100001
Two se	ster sport-
Recognition is valid from lst Oc	stober, 1960 In category Crand Touring

Photograph to be affixed here $\frac{3}{4}$ view of car from front right.



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

General description of car:

Two seater sports car with rear occasional seat.

Soft top hood. Hard top available as an extra.

Two door.

Photographs to be affixed below.

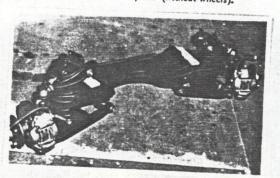
₹ view of car from rear left.



Engine unit with accessories from right.



Front axle complete (without wheels).



Interior view of car through driver's door.



Engine unit with accessories from left.



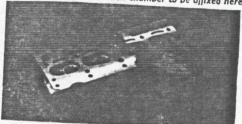
Rear axle complete (without wheels).

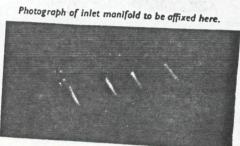


No. of cylinders 4 max	
보이는 하다 보고 있다. 그렇게 보았다면 보고 있는데 그렇게 되었다. 그런데 보고 있는데 그렇게 되었다.	
Cycle 4 stroke	Firing order 1.3.4.2
Capacity 1592 c.c. Bore	81.5 m.m. Stroke 76.2 m.m.
Maximum rebore 82.50 m.m.	Resultant capacity 1619.5 c.
	Material of sleeves, if fitted None fitted
Distance from crankshaft centre line to top face of block at centre line of cylinders	231.8
Material of cylinder head Aluminium V	olume of one combustion chamber 38 c
Compression ratio 9.1:1	
Material of piston Heplex	No. of piston rings 3 per pi
Distance from gudgeon pin centre line to higher	est point of piston crown 47 , m n
Crankshaft main hearings: Type	White metal 27 127) (.12)
Bearings Connecting rod big end: Type Connect	opper Lead Indium Dia 50.813/50.825
Flywheel 10.64	kg.
Crankshaft 17.07	kg.
Weights Connecting rod .709	kg.
Piston with rings •444	ka Complete
Gudgeon pin .137	kg.
No of valves per cylinder 2	Market of the Duckman
No. of camshafts 1	Location of camshafts. Cylinder block
Type of camshaft drive Chaindrive	e from crankshaft.
Diameter of valves: Inlet 36.77/36.37	m.m. Exhaust 29.87/29.77 m.m
Diameter of port	26.9
lappet clearance for	atve at valve
	m.m. Exhaust .495 m.m
Valves open: Inlet 14° B.T.D.C	• Exhaust 56° B.B.D.C.
Valves close: Inlet 52° A.B.D.C.	
Maximum valve lift: Inlet 9.42	
Degrees of crankshaft rotation from zero to-	
Maximum lift: Inlet 148°	Exhaust 144°
3 Maximum lift: Inlet 96°	Exhaust 92
Valve springs: Inlet	Exhaust
Type Helical coil	Helical coil
No. per valve 2	2
Carl T D- 1 1.1	
(up or down draft, horizon	
Carburettor: Type Down draught (up or down draft, horizon Make Zonith	2/ AITD/2

Air filter: Type Wire mesh	
Inlet manifold:	No. fitted 2
Diameter of flange hole at carburettor	50.04
Diameter of flange hole at port	50.8 m.m.
	PA

Photograph of combustion chamber to be affixed here.

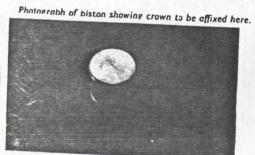




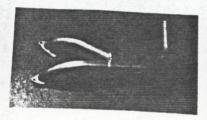
Exhaust manifold:

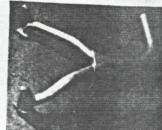
Diameter of flange hole at port 48,26

Diameter of flange hole at connection to silencer inlet pipeNo flange, clip orlym.m.



Photograph of exhaust manifold to be affixed here.





ENGINE ACCESSORIES

P.44447

- 11120			CONTRACTOR OF THE PARTY OF THE
Make of fuel pump	A.C.		
Method of operation	Camshaft on rela-	7 D.79n	
Type of ignition system	Coil and distrib	, to-	
		Model Distr	ibutor DM 2 PA
Make of ignition coil	Lucas	and vacuum	
No. of ignition coils	Une	Model	
Make of dynamo	Lucas		12v
Voltage of dynamo	12v	Model	C.40
Trake of starter motor	ucas		22 amps.
Battery: No. fitted One	V-I 12	Model M.3	5.G
	voitage 12	Capacity 38-4	1-51 amp. hour

Manufacturers Reference No. of Application SUNALP II

TRANSMISSION

Make of clutch Borg & Beck	Type Dry
Diameter of clutch plate 8.0" dia.	경영하다 생생님 회장에 있는 이 사람들은 경영하다면 하는 것이 되었다면 하는데 사람들이 되었다면 하는데 하는데 되었다면 하는데
Method of operating clutch Mechanical through hyd	draulic slave cylinder.
Make of gearbox Humber	
No. of gearbox ratios 4 forward.l reverse or	
Method of operating gearshift Remote control .	- manual
Location of gearshift Centre of floor	
Is overdrive fitted? Optional	
Method of controlling overdrive, if fitted Electrical so	olenoid on steering column

	GEARBO	X RATIOS		ALTERNATIVE RATIOS				
	Ratio	No. of Teeth	Ratio	No. of Teeth	Ratio	No. of Teeth	Ratio	No. of Teeth
I.	3.346	29x30 20 13	*		3.32	21x31 27 12	2.97	21x30 27 13
2.	2.141	29x31 20 21						
3.	1.392	29x24 20 25			1.9	21x31 27 21	1.9	21x31 27 21
4.	1.000	Direct			1.24	21x24 27 25	1.24	$\frac{21 \times 24}{27}$
Rev.	4.239	29x30×1	15		-	21 27		

Type of differential Normal, full 8 Final drive ratio 3.8889			
No. of teeth 35/9		38/9	
Overdrive ratio, if fitted .803:	1 (24.6%)		
WHEELS			
Type Steel dish or wire	Weight	13.15	kg
Method of attachment 4 studs			
Rim diameter 330 m.r	m. Rim width	101.6	m.m
Tyre size: Front 5.60 x13 5.90 x 13	Rear	5:60 x 13 or 5.90 x 13	
BRAKES			
Method of operation Hydr	aulic		
Is servo assistance fitted? No			
Type of servo, if fitted			
No. of hydraulic master cylinders One	Bore	17.8	m.m

	Front		Rear	
No. of wheel cylinders	2		1	
Bore of wheel cylinders	54		22.2	m.m.
Inside diameter of brake drums			228.6	m.m.
No. of shoes per brake			2	, , , , , , , , , , , , , , , , , , , ,
Outside diameter of brake discs	241.3		-	m m
No. of pads per brake	2			
Dimensions of brake linings per dimensions, specify each)			ach brake are no	t of same
Available volume	Front C.T	n.3 m.m.	Rear 40,97	.m. 3
Width	54		44.5	m.m.
Total area per brake	6645		19484	
JSPENSION	Front		Rear	
Туре	Trailing wishb	one	Beam	axle
Type of spring	Coil spring	911 0	Semi-ellipti	
Is stabiliser fitted?	Anti roll bar	······	•	
Type of shock absorber	Armstrong AT 7		Armstrong DA	S 8 RXPF
No. of shock absorbers	2		2	· · · · · · · · · · · · · · · · · · ·
Type of steering gear Bur Turning circle of car 16	.06		m.,	
No. of turns of steering wheel	from lock to lock	3		
PACITIES AND DIMENSION	S			
Fuel tank 40.9 gine & Radiator 7.95 or 8.53 hes	h litres Sum	P		litres
Overall length of car 395		width of car	153.5	cm.
Overall height of car, unladen (w	ith hood up, if appropr	iate) 13	1 cmHard	& Soft to
Distance from floor to top of wir				
Highest point. 92.7	cm. Lowest p	point 69	cm.	
Width of windscreen:				
Maximum width 122	cm. Minimu	m width 10)4	cm.
*Interior width of car 128	cm.			
No. of seats 2				
Track: Front 129.5	cm.	Rear 124	<u>l</u>	cm.
Wheelbase 218	cm. Ground c	learance 10	5	m.m.
be measured at the immediate rea in a vertical plane of not less th	r of the steering wheel, han 25 cms.)	and the width	quoted to be ma	intained
Overall weight with water, oil and	spare wheel, but with			andard
	6	The second secon		ith Overd ardtop
			THE CONTRACTOR OF THE PARTY OF	

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Type of lubrication			
Size of inlet port:			
Length measured around cylinder v			
Height	m.m.	Area	m.n
Size of exhaust port:			
Length measured around cylinder v	wall		m
Height			
Size of transfer port:			
Length measured around cylinder v			
Height	m.m.	Area	m.n
Size of piston port:			1000
Length measured around piston			m,
Height	m.m.	Area	m.n
Method of pre-compression			
Bore and stroke of pre-compression of			
Distance from top of cylinder block to			
Distance from top of cylinder block t			
Distance from top of cylinder block t			
Draw	ving of cyline	der ports	6 7
Dian	ing or cylini	oct ports.	
			, *
	V		
ercharger, if fitted	V		
ercharger, if ficted Make		1odel or Type No.	
크림프리, 아프라인 1000 전에 1000 전 그는 그는 것으로 그 그는 것이		1odel or Type NoRatio of drive	t.
Make Type of drive			t.
Make Type of drive injection, if fitted		Ratio of drive	
Make Type of drive		Ratio of drive	