

ROYAL AUTOMOBILE CLUB

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-TALBOT LTD., RYTON-ON-DUNSMORE, COVENTRY.

Model SUNBEAM ALPINE. Year of Manufacture 1959

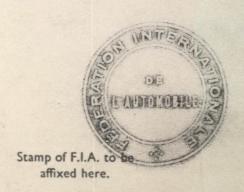
Chassis B.9000001

Serial No. of Engine B.9000001

Type of Coachwork Two Seater Sports with removable Hard Top.

Recognition is valid from 1st October, 1959. In category 4 & 5.

Photograph to be offixed here 3 view of car from front right.





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.

3 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).

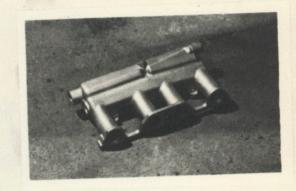


GINE	in lin	e with	of vehi	cle.		
No. of cylinders	4 inché					
	орро	sed	.,			
Cycle 4	stroke	Firing o	rder 1.	3. 4.	2.	
Capacity 149	94 c.c. Bore	MO		troke	-1 -	
Maximum rebore	80,016	Result	ant capacity		1533	c.c.
Material of cylinder b	0 7	Materi	al of sleeves,	if fittedN	one fitt	ed
Distance from cranks	shaft centre line to to entre line of cylinde	rs	231.8			m.m.
Material of cylinder h	ead Aluminium	Volume of o	ne combustio	n chamber	38	c.c.
Compression ratio	9.2:1					
Material of piston			No. of pist	on rings	3 per p	oiston.
Distance from gudgeo	on pin centre line to	highest point o	f piston crow	n	47	m.m.
Cranksh	aft main bearings: T	ype White	metal	Dia. 5'	7.137 57	7.125 m.m.
Bearings Connect	aft main bearings: Ting rod big end: Type	e Copper	ead Indiu	m Dia. 4	7.650 4	.638 m.m.
	el 10.64					
	haft 16.3					
Weights Connec	ting rod .75	9 kg.	c/w brg.	shells	& small	end.
Piston	with rings	6 kg.				
	on pin .10					
No. of valves per cylin	2	Metho	d of valve ope	eration	Pushrod	
No. of camshafts	1	Location	on of camsha	fts Cyl:	inder bl	lock.
Type of camshaft driv	01 . 1 .					
Diameter of valves:	-1 1-1			29.87/	29.77	m.m.
Diameter of port at valve seat:	Inlet 33.3	m.m.	Exhaust.	26	•9	m.m.
Tappet clearance for checking timing:	Inlet • 495	at valve	Exhaust.		495 at	valve m.m.
Valves open:	0	D.C.	Exhaust	.0	B. B. D. C.	
Valves open: Valves close:	0	D.C.	Exhaust	0	A.T.D.C.	
	Inlet 9.42	m.m.	Exhaust.	9.40	***************************************	m.m.
	111100		LAHAUSE			
Degrees of crankshaf	.0) to—		14	,0	
Maximum lift:	0/0		Exhaust.	9	50	
3 Maximum lift:	111100		Exhaust.			******
Valve springs:	Inle		,	Exh		
Туре	0	al Coil.		Helical 2	OOTT*	***************************************
	Jei vaive	lraught		2		
Carburettor: Type	up or down draft, he		No. fitted			
Make	Zenit		del	36/WII	P/2.	
Flange diameter	36		oke diameter	28	3	m.m.
Main jet identificat	tion No	130	The diameter			
riam jet identificat						

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



1 here.



Exhaust manifold:

48.26 Diameter of flange at port Diameter of flange at connection to silencer inlet pipe No flange, clip only

m.m.



P.44447

1 to be offixed here.





ENGINE ACCESSORIES

Make of fuel pump	A.C.	No. fitted 1.
Method of operation	Camshaft on relay arm.	coil or magneto
Type of ignition system. Make of ignition	Coil and distributor. Lucas.	Model Distributor DM.2.P4.
Method of advance and re	tard Centrifugal and vaca	Model H.A.12.
Make of ignition coil	One	Voltage 12v.
Make of dynamo	Lucas.	Model C.40. Maximum output 22 amps.
Voltage of dynamo	Lucas.	Model M.35.G.
Battery: No. fitted	One Voltage 12	Capacity 38 amp. hour

TRANSMISSION

Make of clutch Borg & Beck.

Type Dry.

Diameter of clutch plate

8.0" O.Dia.

No. of plates One.

Method of operating clutch Mechanical through hydraulic slave cylinder.

Humber

Type Constant mesh.

Make of gearbox Humber

No. of gearbox ratios 4. Forward. 1. Reverse of 6. Forward 1. Reverse with O/D.

Method of operating gearshift

Remote Control - Manual,

rection of operating gear

Contro of Floor

Location of gearshift

Centre of Floor.

Is overdrive fitted? Optional.

Method of controlling overdrive, if fitted Electrical solenoid switch on steering column.

	GEARB	OX RATIOS	ALTERNATIVE RATI			IVE RATIOS			
	Ratio	No. of Teeth	Ratio	No. of Teeth	Ratio	No. of Teeth	Ratio	No. of Teeth	
1.	3.346	29 × 30 20 × 13							
2.	2.141	29 x 31 20 21							
3.	1.392	29 x 24 20 25							
4.	1.000	Direct.							
Rev.	4.239	29 30 19 20 13 15							

Type of final drive	Hypoid bev	vel crown wheel	and pinion.
Type of differential	Normal, fu	ull slip, spider	and sun wheel.
Final drive ratio	3,8889	Alternatives	4.2222
No. of teeth	35/9		38/9
Overdrive ratio, if fit	ted	.803 : 1	(24.6%)

WHEELS

Type Steel d	lish or wire	Weight	13.15	kg.
Method of attachm	ent 4 Studs or	entre lock.		-8.
Rim diameter	330.	m.m. Rim width	101.6	
Tyre size: Front	5.60 x 13 or		5.60 x 13 or	m.m.
BRAKES	5.90 x 13		5.90 x 13.	

Method of operation	Hydra	ulic	
Is servo assistance fitted?	No		
Type of servo, if fitted	-		
No. of hydraulic master cylinders	One	Bore	17.8 m.m.

				Front		R	ear	
N	No. of wheel cylinders			2	1			
		neel cylinders		54	m.m.	•	22.2	m.m.
		neter of brake drun		-		22		
		es per brake		241.3				
		ameter of brake dis	scs					
		s per brake						
D	dimension	s of brake linings pons, specify each)	per shoe o	or pad (if all	shoes or pads	in each brake	are not of	same
				Front	3	F	lear	3
to	rogelt	Available	***************************************	63.9	c.m.	40.97		mgaga.
		volume			m.m.			m.m.
V	Vidth		************	54	m.m.	44.5		m.m.
Т	otal area	per brake		6645	m.m.²	19484		m.m.²
	ENSION			Front			Rear	
			Trei	ling wish	hone	Beam a		
	ype			l spring.		Semi-ell		
	ype of sp stabilise		***************************************	i roll ba	***************************************	_		
					.7.	American a DAS & RYPE		
		ock absorber	A.T.III	2		Armstrong DAS.8. RXPF.		
		ck absorbers	***************************************		•••••	•		
STEER			Dayma	n Rooinen	leting Rell	•		
		eering gear						
		ircle of car				•••••		
		rns of steering wh		lock to lock	3			
CAPA	CITIES	AND DIMENSI						
Engin	uel tank ne and ladiator.7	40.9 -95 or 8.53	with heater	litres	Sump	4.5		litres
		ength of car 39			erall width of	f car 153.5		cm, '
		eight of car, unlade						
		rom floor to top of						
					est point	89	cm.	
٧	Vidth of	windscreen:						
	Maxir	num width	122	cm. Mi	nimum width.	104	cm	
li			128					
N	No. of sea	ats						
		ront		cm.	Rear	124		cm.
		e			and clearance	105		m.m.
(To be	measure	d at the immediate	rear of the	he steering w				
		eight with water, o			without fuel	957	kgs.	
				6		966 974	kgs. W	ith Overdrive
						714	VRD. M.	ith Hardtop.

ddi	tional information for cars fitted w	ith two-c	cycle engines	
	System of cylinder scavenging			
	Type of lubrication			••••••••••••
	Size of inlet port:			
	Length measured around cylinder wall	l		m.m.
	Height	m.m.	Area	m.m.²
	Size of exhaust port:			
	Length measured around cylinder wall	l		m.m.
	Height	m.m.	Area	m.m.²
	Size of transfer port:			
	Length measured around cylinder wall			
	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 cylin			
	Distance from top of cylinder block to le			
	Distance from top of cylinder block to i			
	Distance from top of cylinder block to h	highest poi	int of transfer port	m.m.
	Drawing	g of cylind	er ports.	
upe	rcharger, if fitted		1	
	Make	М	odel or Type No.	
	Type of drive		Ratio of drive	
	tatanatan 16 Banad			
uel	injection, if fitted		Model or Type No.	
	Make of pump			
	Make of injectors		Tiodel of Type 140.	***

Location of injectors...

Optional equipment affecting preceeding information:-

- 1. 4.44 Rear Axle.
- 2. S.U. Electrical Petrol Pump.
- 3. LONG DISTANCE TOURING TANK: CAPACITY KOLITRES (22 galls)