

F.I.A. Recognition No. .



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.,	
Model Sunbe	eam Rapier III B	Year of Manufacture 1963
	Chassis B • 305400/HH0	
Serial No. of	Engine B.3054001/HH0	
Type of Coach	work 2-door 4 seater saloon.	
Recognition is	valid from 9/5/63	In category 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:

2 Door 4 Seater Hard Top Saloon Convertible Model also available.

Photographs to be affixed below.

 $\frac{3}{4}$ 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 line	in line			
No. of cylinders 4	in V				
Cycle 4 Stroke	\$2.	Firing order	1,3,	4,2.	
Capacity 1592 c.c.					
Maximum rebore 82,29	96	Resultant	capacity	1599	
Material of cylinder block	0.1	Material of	sleeves, if	fitted none	fitted
Distance from crankshaft cent face of block at centre line	re line to top e of cylinders	231.8			
Material of cylinder head alur		olume of one c	ombustion	chamber	38
Compression ratio 9: 1					
Material of piston alumi					
Distance from gudgeon pin cer	ntre line to high	est point of pis	ton crown	47	
Bearings { Crankshaft main Connecting rod b	bearings: Type 1/2	rhite metal	<u>L</u>	Dia. 57 •13	7/57.1
			tin	Dia50.83/	50.81
Flywheel		-			
Crankshaft					
Weights Connecting rod.	•69	kg.			
Piston with rings	s •42	kg.			
Gudgeon pin					nana d
No. of camshafts	7	Method of	valve oper	ation pusi	a blood
Type of camshaft drive	haindrive f	Location o	haft	s cyrriner	. DIOC
Diameter of valves: Inlet	70.071		Exhaust	29.77	
D:					
D:	34•3		Exhaust		
Diameter of port at valve seat: Inlet	34.3	m.m.	Exhaust	26.9	r
Diameter of port at valve seat: Inlet Tappet clearance for checking timing: Inlet	34•3 •427	m.m.	Exhaust	26 . 9	r
Diameter of port at valve seat: Inlet Tappet clearance for checking timing: Inlet Valves open: Inlet	34.3 .427 25° BTDC	m.m.	Exhaust Exhaust	26.9 •498 63° BBDC	1
Diameter of port at valve seat: Inlet Tappet clearance for checking timing: Inlet Valves open: Inlet Valves close: Inlet	34.3 .427 25° BTDC 59° ABDC	m.m.	Exhaust Exhaust Exhaust	26.9 .498 63° BBDC 21° ATDC	
Diameter of port at valve seat: Inlet Tappet clearance for checking timing: Inlet Valves open: Inlet Valves close: Inlet Maximum valve lift: Inlet	34.3 .427 25° BTDC 59° ABDC 11.02	m.m.	Exhaust Exhaust Exhaust	26.9 •498 63° BBDC	
Diameter of port at valve seat: Inlet Tappet clearance for checking timing: Inlet Valves open: Inlet Valves close: Inlet Maximum valve lift: Inlet Degrees of crankshaft rotatio	34.3 .427 25° BTDC 59° ABDC 11.02 n from zero to-	m.m.	Exhaust Exhaust Exhaust Exhaust Exhaust	26.9 •498 63° BBDC 21° ATDC 11.00	
Diameter of port at valve seat: Inlet Tappet clearance for checking timing: Inlet Valves open: Inlet Valves close: Inlet Maximum valve lift: Inlet Degrees of crankshaft rotatio Maximum lift: Inlet	34.3 .427 25° BTDC 59° ABDC 11.02 n from zero to- 159°	m.m.	Exhaust Exhaust Exhaust Exhaust Exhaust	26.9 .498 63° BBDC 21° ATDC 11.00	
Diameter of port at valve seat: Inlet	34.3 .427 25° BTDC 59° ABDC 11.02 n from zero to- 159° 107°	m.m.	Exhaust Exhaust Exhaust Exhaust Exhaust	26.9 .498 63° BBDC 21° ATDC 11.00 151° 101°	
Diameter of port at valve seat: Inlet	34.3 .427 25° BTDC 59° ABDC 11.02 n from zero to- 159° 107° Inlet	m.m.	Exhaust Exhaust Exhaust Exhaust Exhaust	26.9 .498 63° BBDC 21° ATDC 11.00	
Diameter of port at valve seat: Inlet	34.3 .427 25° BTDC 59° ABDC 11.02 n from zero to- 159° 107° Inlet	m.m.	Exhaust Exhaust Exhaust Exhaust Exhaust	26.9 .498 63° BBDC 21° ATDC 11.00 151° 101° Exhaust	1

....m.m.

112

Make Zenith

Flange hole diameter 36

Main jet identification No.....

Model 36 W.I.A./W.I.P.

Choke diameter 28

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

Photograph of combustion chamber to be affixed here.



Exhaust manifold:

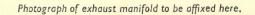
Diameter of flange hole at port.....

28.26

.....m.n

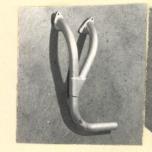
Diameter of flange hole at connection to silencer inlet pipe No flange clip onlym.m.

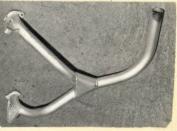
Photograph of piston showing crown to be affixed here.



Photograph of inlet manifold to be affixed here.







ENGINE ACCESSORIES

Make of fuel pump	No. fitted 1
Method of operation mechanical	
Type of ignition system coil and distributor	coil or magneto
Make of ignition Lucas	Model DM.2
Method of advance and retard centrifugal and vac	uam.
Make of ignition coil Lucas	Model HA 12.
No. of ignition coils One	Voltage 12
Make of dynamo Lucas	Model C 40
Voltage of dynamo 12	Maximum output 22 amps.
Make of starter motor Lucas	Model M350
Battery: No. fitted 1 Voltage 12	Capacity 38 cr 51 amp. hour

Type of final drive hypoid Type of differential 4 bevel pinion. Final drive ratio 4.22:1 Alte No. of teeth 38.9 Overdrive ratio, if fitted 24.6	
WHEELS Stool disa	70 04
	Weight 12.86 kg.
Method of attachment 4 stud	
Rim diameter 381 m.m.	Rim width 101.6 m.m.
Tyre size: Front 5.60" x 15"	Rear 5.60 x 15"
BRAKES	
Method of operation hydraulic	
Is servo assistance fitted? optional	
Type of servo, if fitted Lockheed	
No. of hydraulic master cylinders 1	Bore 19 m.m.

	Front		Rear	
No. of wheel cylinders	2		1	
Bore of wheel cylinders	54		22.2	m.m.
Inside diameter of brake drums		m.m.	-	m.m.
No. of shoes per brake			2	
Outside diameter of brake discs	275	m.m.	•	m.m.
No. of pads per brake	2			
Dimensions of brake linings per dimensions, specify each)		oes or pads	in each brake are no	t of same
	Front		Rear	
Length	30.7 CM ³	m.m.	43.5	m.m.
	-		-	
Width	49.1		44.5	
Total area per brake	6450	m.m.²	19484	m.m. ²
SUSPENSION	Front		Rear	
Туре	Trailing wishb	one	Beam axle	
Type of spring	Coil spring		Semi-ellipti	ic leaf
Is stabiliser fitted?	Anti roll bar		None	
Type of shock absorber	Telescopic		Telescopic	
No. of shock absorbers	2		2	
STEERING	,			
Type of steering gear Bur	man recirculatin	g ball.		
Turning circle of car	10.97		m.	, approx.
No. of turns of steering whee	from lock to lock	3		
CAPACITIES AND DIMENSION	NS			
Fuel tank 45.4	litres Su	imp 4.5	5	litres
Radiator 6.95	litres			
Overall length of car 41	3 cm. Over	all width of	car. 155	cm.
Overall height of car, unladen (
Distance from floor to top of w				
Highest point. 108	cm. Lowest	point 104	•7 cm.	
Width of windscreen:				
Maximum width 115.5	cm. Minii	mum width	108	cm.
*Interior width of car 128.3	cm.			
No. of seats 4				
Track: Front 126.2	cm.	Rear 1	.25	cm.
Wheelbase 244	cm. Ground	d clearance	146	m.m.
*(To be measured at the immediate ro in a vertical plane of not less	ear of the steering whe			
Overall weight with water, oil a		thout fuel	900 kgs.	

Type of Iubrication	<u></u>		
Size of inlet port:	. 4		
Length measured around cylinder	wall		r
Height	m.m.	Area	m
Size of exhaust port:			
Length measured around cylinder	wall		r
Height	m.m.	Area	m
Size of transfer port:			
Length measured around cylinder	wall		r
Height	m.m.	Area	m
Size of piston port:			
Length measured around piston	0		n
Height			
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			
	ving of cylin		
Diav	ing or cylin	der ports.	
charger, if fitted			
Make		lodel or Type No.	
Type of drive		Ratio of drive	
injection, if fitted			
Make of pump		Model or Type No	L.
		/ / /	
Make of injectors		Model or Type No	

Optional equipment affecting preceeding information:—

- 1. Oil cooler RG. 416
- 2. Long range fuel tank capacity 100 litres. RG. 0410.
- 3. Powr lock differential assy. RG. 1041.
- 4. Lightweight seats R.G.M. 6.