Manufacturers Reference No. for Application

SUNTIG I

F.I.A. Recognition No. 176

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 SUNBEAM TALBOT LTD.

Model TIGER I Year of Manufacture 1964

Serial No. of Chassis B9499991

Engine B9499991

Type of Coachwork OPEN 2 SEATER

Recognition is valid from 11.7.64 In category GRAND TOURING

liste 2/11

Photograph to be affixed here ¾ view of car from front right.

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

Form: R.F.I.A.

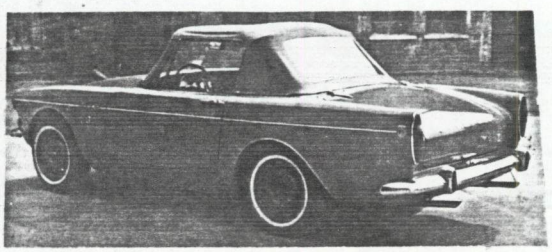
General description of car:

Specify here material/s of chassis/body construction

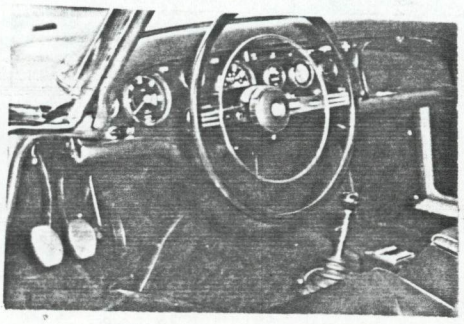
TWO SEATER SPORTS TOURER WITH REAR OCCASIONAL SEAT
TWO DOOR ONLY
HARD TOP OR SOFT TOP CAN BE FITTED
BODY CONSTRUCTION OF STEEL AND ALUMINIUM ?

Photographs to be affixed below.

¾ view of car from rear left.

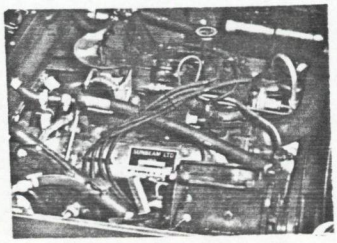


Interior view of car through driver's door.

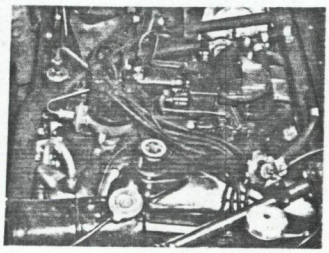


Engine unit with accessories from right.

(3)

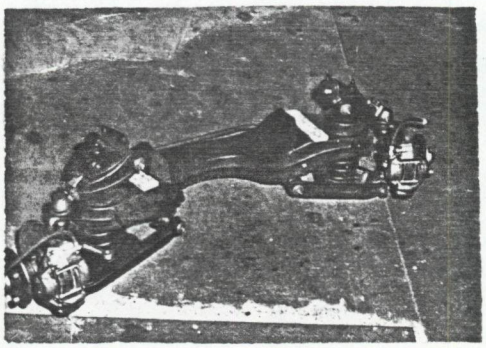


Engine unit with accessories from left.

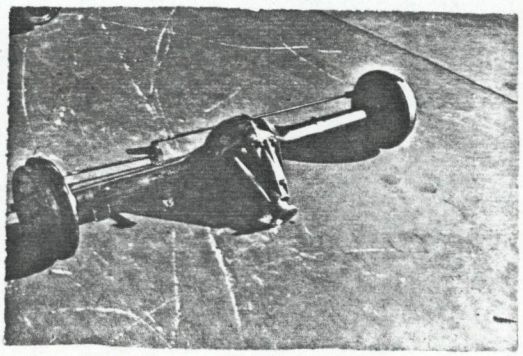


(4)

Front axle complete (without wheels).



Rear axle complete (without wheels).



ENGINE

No. of cylinders 8 — in line –; in V YES; opposed –

Cycle 4 STROKE — Firing order 15426378

Capacity 4260 c.c. — Bore 96•5 m.m. — Stroke 72•8 m.m.

Maximum rebore 1•524 m.m. — Resultant capacity 4400 c.c.

Material of cylinder block CAST IRON — Material of sleeves, if fitted NONE

Distance from crankshaft centre line to top face of block at centre line of cylinders 206 m.m.

Material of cylinder head CAST IRON — Volume of one combustion chamber 47•5 c.c.

Compression ratio 10:1

Material of piston ALUMINIUM — No. of piston rings 3 PER PISTON

Distance from gudgeon pin centre line to highest point of piston crown 46•99 m.m.

Bearings:
- Crankshaft main bearings: Type COPPER LEAD — Dia. 57•15 m.m.
- Connecting rod big end: Type COPPER LEAD — Dia. 53•975 m.m.

Weights:
- Flywheel 9•3 kg.
- Crankshaft 16•8 kg.
- Connecting rod 0•63 kg.
- Piston with rings 0•597 kg.
- Gudgeon pin 0•17 kg.

No. of valves per cylinder 2 — Method of valve operation PUSHROD

No. of camshafts 1 — Location of camshafts IN BLOCK

Type of camshaft drive INVERTED TOOTH CHAIN

		Inlet		Exhaust	
Diameter of valves:	Inlet	49•25	m.m.	Exhaust 42•85	m.m.
Diameter of port at valve seat:	Inlet	46•0	m.m.	Exhaust 39•75	m.m.
Tappet clearance for checking timing:	Inlet	•61	m.m.	Exhaust •61	m.m.
Valves open:	Inlet	28 BTDC		Exhaust 72 ABDC	
Valves close:	Inlet	72 ABDC		Exhaust 28 ATDC	
Maximum valve lift:	Inlet	13•3	m.m.	Exhaust 13•3	m.m.

Degrees of crankshaft rotation from zero to—

		Inlet		Exhaust	
Maximum lift:	Inlet	112		Exhaust 248	
¾ Maximum lift:	Inlet	50		Exhaust 136	

Valve springs:

	Inlet	*Exhaust*
Type	COIL	COIL
No. per valve	2	2

Carburettor: Type DOWNDRAFT (up or down draft, horizontal) — No. fitted 1

Make FORD — Model C4OF – AL 4BBL

Flange hole diameter 39•5 m.m. — Choke diameter 27 PRIMARY m.m.

Main jet identification No. 52F — 29•5 SECONDARY

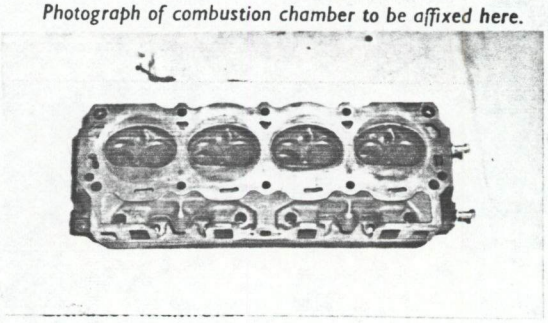
Air filter: Type PAPER ELEMENT No. fitted 1

Inlet manifold:

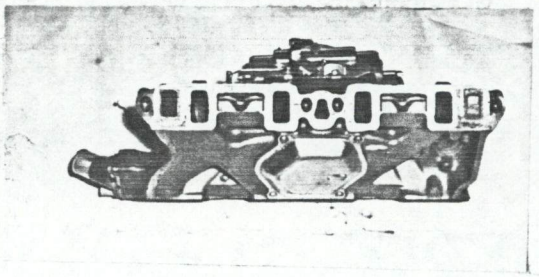
Diameter of flange hole at carburettor 40 m.m.

Diameter of flange hole at port 24 x 47 m.m.

Photograph of combustion chamber to be affixed here.



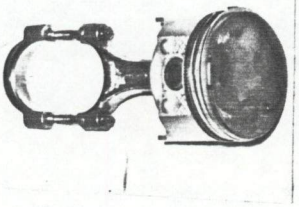
Photograph of inlet manifold to be affixed here.



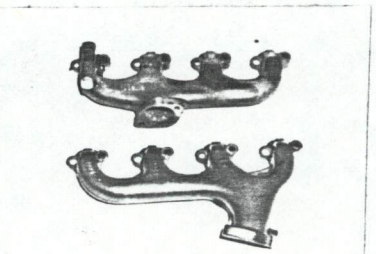
Diameter of flange hole at port 27 x 36 m.m.

Diameter of flange hole at connection to silencer inlet pipe 52 m.m.

Photograph of piston showing crown to be affixed here.



Photograph of exhaust manifold to be affixed here.



ENGINE ACCESSORIES

Make of fuel pump SU No. fitted 1

Method of operation ELECTRICAL

Type of ignition system COIL AND DISTRIBUTOR coil or magneto

Make of ignition FORD Model C30F 3MB

Method of advance and retard CENTRIFUGAL AND VACUUM

Make of ignition coil FORD OR LUCAS Model FAC 12029/HA 12

No. of ignition coils ONE Voltage 12

Make of dynamo FORD OR LUCAS Model C40

Voltage of dynamo 12 Maximum output 30 amps.

Make of starter motor FORD OR LUCAS Model M40

Battery: No. fitted 1 Voltage 12 Capacity 51 amp. hour

Oil Cooler (if fitted) type RADIATOR Capacity 4 pints

Make SUNBEAM Model TIGER I F.I.A. Recognition No.

Manufacturers Reference No. of Application SUNTIG

TRANSMISSION

Make of clutch FORD Type DRY

Diameter of clutch plate 10" No. of plates ONE

Method of operating clutch HYDRAULIC AND MECHANICAL

Make of gearbox BORG WARNER Type T34

No. of gearbox ratios 4 FORWARD 1 REVERSE

Method of operating gearshift MANUAL

Location of gearshift CENTRE FLOOR LEVER

Is overdrive fitted? NO

Method of controlling overdrive, if fitted NOT FITTED

	GEARBOX RATIOS		ALTERNATIVE RATIOS					
	Ratio	No. of Teeth	Ratio	No. of Teeth	Ratio	No. of Teeth	Ratio	No. of Teeth
1.	2.33	36/17	2.33	36/17	2.20	36/17		
2.	1.61	29/20	1.75	30/19	1.63	30/19		
3.	1.20	25/27	1.40	24/23	1.31	29/23		
4.	1.0	DIRECT	1.0	DIRECT	1.0	DIRECT		
5.								

Type of final drive HYPOID

Type of differential 6 BEVEL PINION WITH POWER LOCKING

Final drive ratio 2.88 Alternatives 3.07 3.31 3.54 4.09 4.27 4.55 3.77

No. of teeth 46/16 14/44 13/43 13/46 11/45 11/47 11/50 13/49

Overdrive ratio, if fitted NOT FITTED

WHEELS

Type PRESSED STEEL DISC Weight 5.76 kg.

Method of attachment FOUR STUD 7/16 UNF

Rim diameter 330.2 m.m. Rim width 116.5 m.m.

Tyre size: Front 600 x 13 Rear 600 x 13

BRAKES

Method of operation HYDRAULIC

Is servo assistance fitted? YES

Type of servo, if fitted GIRLING VACUMN

No. of hydraulic master cylinders 1 Bore 22.1 m.m.

	Front	Rear
No. of wheel cylinders	2 PER WHEEL	1 PER WHEEL
Bore of wheel cylinders	54 m.m.	22.2 m.m.
Inside diameter of brake drums	- m.m.	228.6 m.m.
No. of shoes per brake	-	2
Outside diameter of brake discs	250.2 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	77 m.m.	215 m.m.
	m.m.	m.m.
Width	54 m.m.	44.5 m.m.
Total area per brake	6645 m.m.²	19434 m.m.²

SUSPENSION

	Front	Rear
Type	WISHBONE	LIVE AXLE
Type of spring	COIL	SEMI ELLIPTICAL
Is stabiliser fitted?	YES	YES
Type of shock absorber	TELESCOPIC	TELESCOPIC
No. of shock absorbers	2	2

STEERING

Type of steering gear RACK AND PINION

Turning circle of car 10.36 m., approx.

No. of turns of steering wheel from lock to lock 3

CAPACITIES AND DIMENSIONS

Fuel tank 52 litres Sump 6.8 INC OIL FILTER litres

Radiator 8.2 WITH HEATER litres

Overall length of car 395 cm. Overall width of car 153.5 cm.

Overall height of car, unladen (with hood up, if appropriate) 135 cm.

Distance from floor to top of windscreen:

Highest point 92.7 cm. Lowest point 87 cm.

Width of windscreen:

Maximum width 122 cm. Minimum width 104 cm.

*Interior width of car 128 cm.

No. of seats 2

Track: Front 131 cm. Rear 125 cm.

Wheelbase 218 cm. Ground clearance 105 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 980 kgs.

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.....m.m. Area.....m.m.²

Size of exhaust port:

Length measured around cylinder wall.....m.m.

Height.....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.....

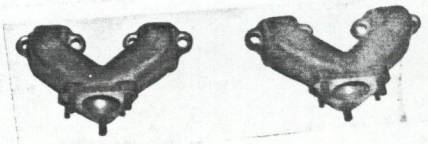
Make of injectors ..... Model or Type No.....

Location of injectors.....

Optional equipment affecting preceeding information:—

1. Alternative carburetion available twin choke down draft Ford Carburettor type No. C4DFE

Flange hole diameter	36.5 m.m.
Choke diameter	25.4 m.m.
Main jet identification no.	44F



2. Alternative exhaust system available - all port dimensions identical with type originally specified.

3. Additional fuel tank available to bring fuel capacity up to 140 litres.

4. Engine oil cooler available.

5. Rear axle oil cooler with circulating pump available.

6. A bevel pinion differential available.

7. Alternative engine sump available giving a total oil capacity of 10.2 litres.

8. Magnesium Alloy Wheels available 330.2 x 127 m.m. giving tracks of front 141 cm. rear 135 cm.

9. Magnesium Alloy Wheels available 330.2 x 140 m.m. giving tracks of front 151 cm. rear 145 cm. With same fittings as original wheels.

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ROYAL AUTOMOBILE CLUB

PALL MALL, LONDON, S.W.I.

Federation Internationale de l'Automobile.

Amendment to Form of Recognition

Sous reserve
formulation
certificat

Manufacturer SUNBEAM TALBOT LTD.

Model TIGER I.

The chassis and engine nos. quoted on the homologation sheet are incorrect.

These should read Chassis B.9470001.
Engine 1000 E7 KL.

Alternative Carburettion now available 4 choke downdraught Holley Carburettor Part No. C4AF DAA 3LD.

Flange hole diameter 42 MM.

Choke diameter Primary 35 MM.
Secondary.35 MM.

Main Jet Identification

Primary. 76
Secondary. 01.

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

Date amendment is valid from

Form: R.F.I.B.

The Royal Automobile Club

Pall Mall, London, S.W.1

Please address all Communications to
THE SECRETARY
Quoting the following Reference:
C

Telegrams: AUTOMOBILE LONDON
Telephone: WHITEHALL 2345 (26 lines)

TIGER I

MANUFACTURERS REFERENCE NO: OF APPLICATION FOR HOMOLOGATION

SUNTIG I

I certify that in excess of 100 cars identical with the basic specification stated on the relevant form of recognition have been manufactured within a period of 12 months.

D. H. Delamont,
Manager, Competitions Department

The Royal Automobile Club

Pall Mall, London, S.W.1

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Manager, Competitions Department

158975

The Royal Automobile Club

Pall Mall, London, S.W.1

Please address all Communications to
THE SECRETARY
Quoting the following Reference:
C/RC

Telegrams: AUTOMOBILE LONDON
Telephone: WHITEHALL 2345 (26 lines)

3rd July 1964

Mr. Schroeder,
F. I. A.
8, Place de la Concorde,
Paris.

Dear Mr. Schroeder,

Since sending you the forms of recognition, we have received the part Nos on the nine items of optional extras for the Sunbeam Tiger. For your information they are as follows:

1. C4D59510E	2. 1219179	3. 1219175
4. A 267	5. 1219176	6. 1224887
7. C4026675A	8. 1219177	9. 1219178

We have already inserted these numbers on the two original copies we have left.

Yours sincerely,

Competitions Department