

Manufacturers Reference No. for Application

1019



F.I.A. Recognition No.

1186

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..... STANDARD TRIUMPH INTERNATIONAL LTD.

Model..... STANDARD ENSIGN DE LUXE SALOON. Year of Manufacture..... 1962 Onwards.

Chassis..... EL 1 DL Onwards.

Serial No. of Engine..... EL 1 E Onwards.

Type of Coachwork..... 4 DOOR SIX SEATER SALOON.

Recognition is valid from..... 29 JANV 1963 In category..... TOURING.

liste 9/19



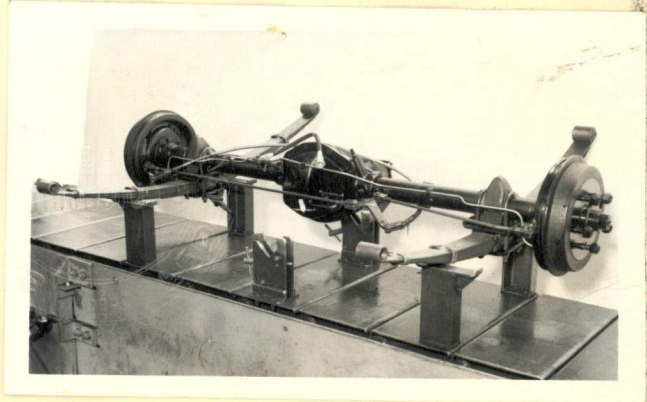
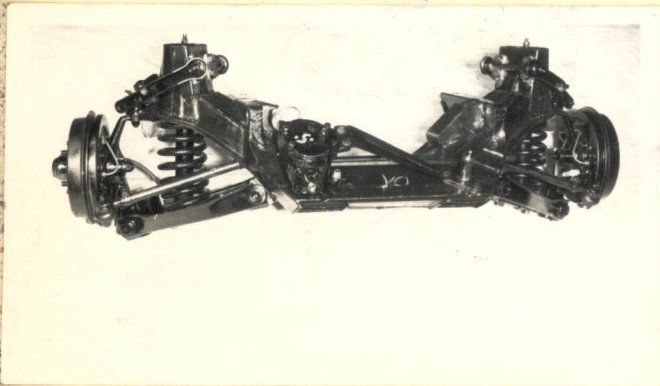
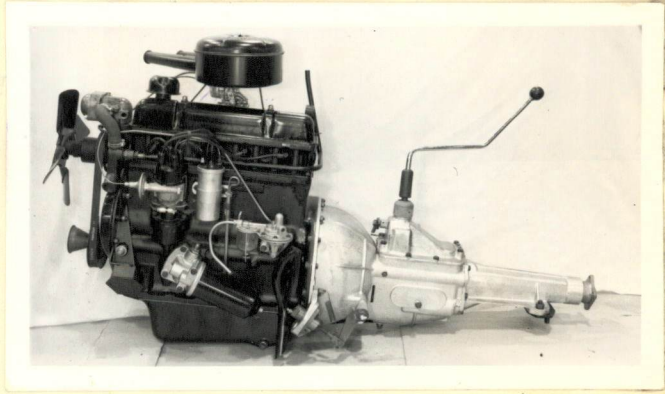
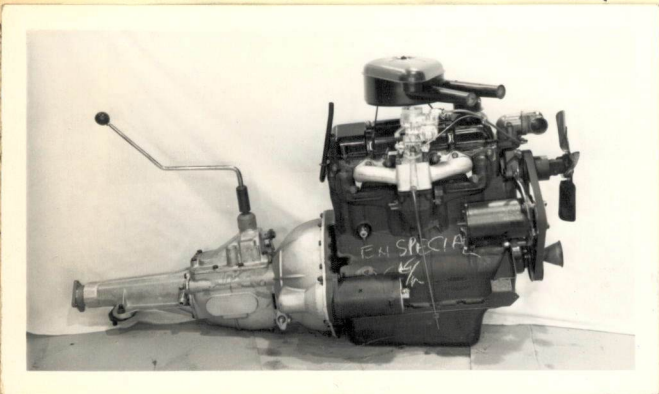
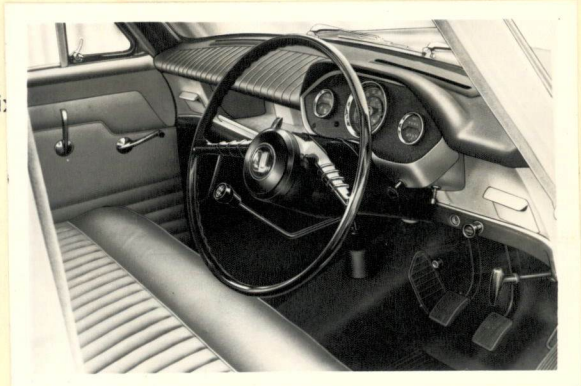
Hubert Schout

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

General description of car:

UNIT CONSTRUCTION STEEL BODY CHASSIS UNIT.
INDEPENDENT FRONT SUSPENSION
LIVE AXLE REAR SUSPENSION
SIX SEATER FAMILY SALOON.

s to be affi:



ENGINE

No. of cylinders 4 in line ~~XXX~~
~~XXXX~~
~~XXXX~~
~~opposed~~

Cycle FOUR STROKE Firing order 1,3,4,2.

Capacity 2138 c.c. Bore 86 m.m. Stroke 92 m.m.

Maximum rebore - Resultant capacity - c.c.

Material of cylinder block CAST IRON Material of sleeves, if fitted LODED IRON.

Distance from crankshaft centre line to top face of block at centre line of cylinders 255.6 m.m.

Material of cylinder head CAST IRON Volume of one combustion chamber 71.1 c.c.

Compression ratio 8.5 to 1

Material of piston ALUMINIUM ALLOY No. of piston rings 3

Distance from gudgeon pin centre line to highest point of piston crown 50.8 m.m.

Bearings { Crankshaft main bearings: Type WHITE METAL Dia. 62.7 m.m.
Connecting rod big end: Type WHITE METAL Dia. 56.73 m.m.

Weights { Flywheel 10.55 kg.
Crankshaft 18.94 kg.
Connecting rod .94 kg.
Piston with rings .62 kg.
Gudgeon pin .12 kg.

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

No. of camshafts 1 Location of camshafts IN SIDE OF BLOCK

Type of camshaft drive BY CHAIN

Diameter of valves: Inlet 36.9 m.m. Exhaust 29.82 m.m.

Diameter of port at valve seat: Inlet 37.3 m.m. Exhaust 30.23 m.m.

Tappet clearance for checking timing: Inlet .343 m.m. Exhaust .318 m.m.

Valves open: Inlet 10° BTDC Exhaust 55° BBDC

Valves close: Inlet 46° ABDC Exhaust 9½° ATDC

Maximum valve lift: Inlet 9.04 m.m. Exhaust 9.58 m.m.

Degrees of crankshaft rotation from zero to—

Maximum lift: Inlet 120 Exhaust 124

$\frac{3}{4}$ Maximum lift: Inlet 67 Exhaust 67

Valve springs: Inlet Exhaust

Type COIL COIL

No. per valve TWO THREE

Carburettor: Type DOWN DRAUGHT. No. fitted 1

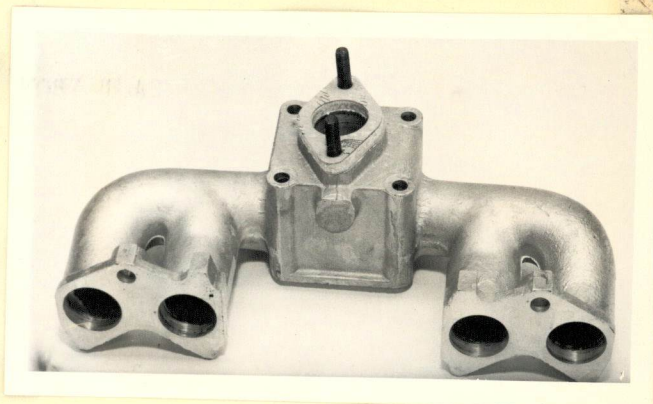
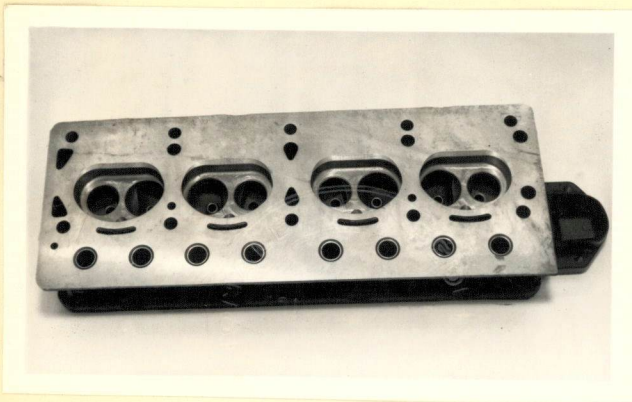
(up or down draft, horizontal)

Make SOLEX Model 32 PB10

Flange hole diameter 32 m.m. Choke diameter 26 m.m.

Main jet identification No. 130

Air filter: Type **AC PAPER ELEMENT**..... No. fitted..... **1**
 Inlet manifold:
 Diameter of flange hole at carburettor..... **36.58**..... m.m.
 Diameter of flange hole at port..... **33.28**..... m.m.



Exhaust manifold:
 Diameter of flange hole at port..... **50.8**..... m.m.
 Diameter of flange hole at connection to silencer inlet pipe..... **32**..... m.m.



ENGINE ACCESSORIES

Make of fuel pump..... **A.C.**..... No. fitted..... **1**
 Method of operation..... **MECHANICAL**
 Type of ignition system..... **COIL**..... coil or magneto
 Make of ignition..... **LUCAS**..... Model..... **HA 12**
 Method of advance and retard..... **CENTRIFUGAL AND VACUUM ADVANCE AUTOMATIC**
 Make of ignition coil..... **LUCAS**..... Model..... **HA 12**
 No. of ignition coils..... **1**..... Voltage..... **12**
 Make of dynamo..... **LUCAS**..... Model..... **C40/1**
 Voltage of dynamo..... **12**..... Maximum output..... **20**..... amps.
 Make of starter motor..... **LUCAS**..... Model..... **M418C**
 Battery: No. fitted..... **1**..... Voltage..... **12**..... Capacity..... **51**..... a.n.p. hour

Make STANDARD Model ENSIGN DE/LUXE F.I.A. Recognition No.
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TRANSMISSION

Make of clutch BORG AND BECK Type SINGLE DRY BLATE
 Diameter of clutch plate 21.4 mm No. of plates 1
 Method of operating clutch HYDRAULIC
 Make of gearbox STANDARD TRIUMPH Type SYNCHROMESH MANUAL
 No. of gearbox ratios 4 FORWARD AND ONE REVERSE.
 Method of operating gearshift MANUAL.
 Location of gearshift BY LEVER IN CENTRE FLOOR
 Is overdrive fitted? OPTIONAL
 Method of controlling overdrive, if fitted ELECTRICAL SWITCH.

	GEARBOX RATIOS		ALTERNATIVE RATIOS					
	Ratio	No. of Teeth	Ratio	No. of Teeth	Ratio	No. of Teeth	Ratio	No. of Teeth
1.	3.54	$\frac{35}{22} \times \frac{40}{18}$			3.12	$\frac{39}{19} \times \frac{35}{23}$		
2.	2.10	$\frac{35}{22} \times \frac{33}{25}$			1.67	$\frac{39}{19} \times \frac{26}{32}$		
3.	1.39	$\frac{35}{22} \times \frac{27}{31}$			1.00	DIRECT.		
4.	1.00	DIRECT						
5.								

Type of final drive HYPOID BEVEL.
 Type of differential 2 STAR DIFF.
 Final drive ratio 4.1 Alternatives
 No. of teeth 10/41
 Overdrive ratio, if fitted .82 to 1 with 4 speed gearbox. .78 to 1 with 3 speed box

WHEELS

Type 4 1/2 x 15 STEEL DISC Weight 7.7 kg.
 Method of attachment 5 STUD FIXING.
 Rim diameter 382 m.m. Rim width 114 m.m.
 Type size: Front 5.90 x 15" Rear 5.90 x 15"

BRAKES

Method of operation HYDRAULIC
 Is servo assistance fitted? OPTIONAL EXTRA
 Type of servo, if fitted VACUUM
 No. of hydraulic master cylinders 1 Bore 19.05 m.m.

	Front		Rear
No. of wheel cylinders	2 PER WHEEL		1 PER WHEEL
Bore of wheel cylinders	20.32	m.m.	19.05
Inside diameter of brake drums	254	m.m.	228.6
No. of shoes per brake	2		2
Outside diameter of brake discs		m.m.	
No. of pads per brake			
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	496	m.m.	438.8
		m.m.	
Width	57	m.m.	44.5
Total area per brake	56500	m.m. ²	39000
		m.m. ²	

SUSPENSION

	Front		Rear
Type	INDEPENDENT		LIVE AXLE
Type of spring	COIL		SEMI ELLIPTIC LEAF
Is stabiliser fitted?	OPTIONAL EXTRA		NO
Type of shock absorber	TELESCOPIC		TELESCOPIC
No. of shock absorbers	1 PER WHEEL		1 PER WHEEL

STEERING

Type of steering gear	BURMAN RECIRCULATING BALL
Turning circle of car	12.5
	m., approx.
No. of turns of steering wheel from lock to lock	3 $\frac{1}{4}$

CAPACITIES AND DIMENSIONS

Fuel tank	54.55	litres	Sump	6	litres
Radiator	8	litres			
Overall length of car	435.5	cm.	Overall width of car	172	cm.
Overall height of car, unladen (with hood up, if appropriate)	152	cm.			
Distance from floor to top of windscreen:					
Highest point	144	cm.	Lowest point	140	cm.
Width of windscreen:					
Maximum width	131	cm.	Minimum width	117	cm.
*Interior width of car	140	cm.			
No. of seats	6				
Track: Front	131	cm.	Rear	131	cm.
Wheelbase	259	cm.	Ground clearance	180	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.....1133.5 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 preceding information:—



~~Optional extra hubcap on front wheels.~~
~~MEMBER OF~~
~~the FEDERATION~~
~~INTERNATIONALE~~
~~de l'AUTOMOBILE~~



~~ped dimensions~~ ~~77~~
~~Total wheel base 1700 mm~~

MEMBER OF
The FEDERATION
INTERNATIONALE
de l'AUTOMOBILE

Anti roll bar.
Skid shield kit.
Oil bath air cleaner.