

Manufacturers Reference No. for Application

1011



F.I.A. Recognition No. 40 A

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 SALES LIMITED.....

Model.....HERALD 1200 COUPE..... Year of Manufacture.....1961.....

Chassis.....GA 1180 CP.....

Serial No. of Engine.....GA 1 EH..... (1st carburettor)

Type of Coachwork.....COUPE.....

Recognition is valid from.....30 JUN 1961..... In category.....G.T.....



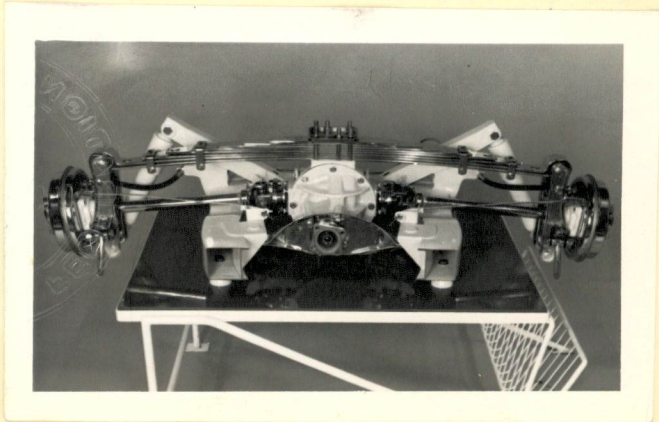
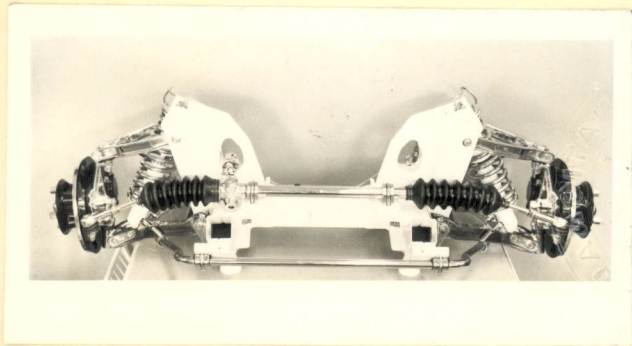
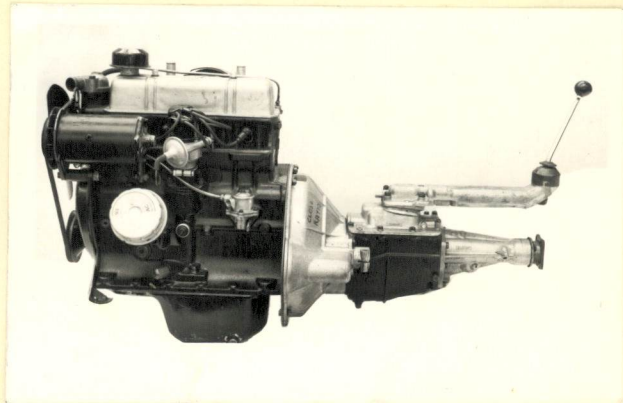
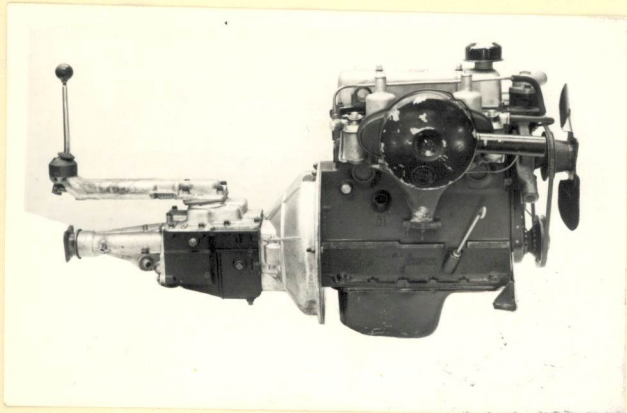
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C

General description of car:



e affi:



ENGINE

in line

No. of cylinders 4 ~~in V~~ ~~opposed~~

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

Capacity 1147 c.c. Bore 69.3 m.m. Stroke 76 m.m.

Maximum rebore 1 m/m Resultant capacity 1171 c.c.

Material of cylinder block CASE IRON Material of sleeves, if fitted NOT FITTED

Distance from crankshaft centre line to top face of block at centre line of cylinders 275.8 m.m.

Material of cylinder head CASE IRON Volume of one combustion chamber 35.81 c.c.

Compression ratio 8.5 : 1

Material of piston ALUMINIUM ALLOY No. of piston rings 3

Distance from gudgeon pin centre line to highest point of piston crown 38.46 m.m.

Bearings { Crankshaft main bearings: Type LEAD INDIUM Dia. 50.8 m.m.
 Connecting rod big end: Type LEAD INDIUM Dia. 41.28 m.m.

Weights { Flywheel 6.69 kg.
 Crankshaft 10.88 kg.
 Connecting rod .61 kg.
 Piston with rings .3 kg.
 Gudgeon pin .09 kg.

No. of valves per cylinder 2 Method of valve operation PUSH RODS

No. of camshafts 1 Location of camshafts IN BLOCK

Type of camshaft drive CHAIN

Diameter of valves: Inlet 33.17 m.m. Exhaust 29.21 m.m.

Diameter of port at valve seat: Inlet 30.2 m.m. Exhaust 27 m.m.

Tappet clearance for checking timing: Inlet .254 m.m. Exhaust .254 m.m.

Valves open: Inlet 18 B.T.D.C. Exhaust 58 B.B.D.C.

Valves close: Inlet 58 A.B.D.C. Exhaust 18 A.T.D.C.

Maximum valve lift: Inlet 7.92 m.m. Exhaust 7.92 m.m.

Degrees of crankshaft rotation from zero to—

Maximum lift: Inlet 128 Exhaust 128

$\frac{3}{4}$ Maximum lift: Inlet 76 Exhaust 76

Valve springs: Inlet Exhaust

Type COIL SPRING COIL SPRING

No. per valve 2 2

Carburettor: Type HORIZONTAL (up or down draft, horizontal) No. fitted 2

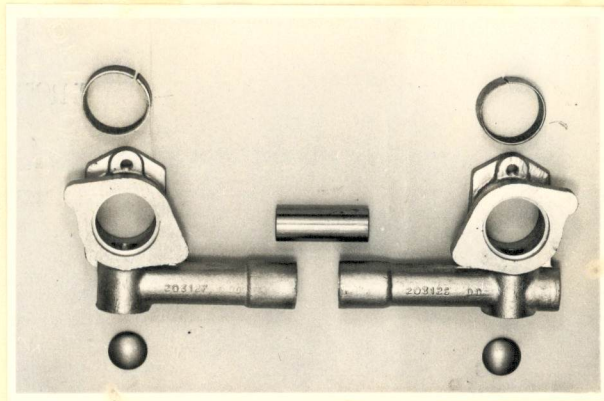
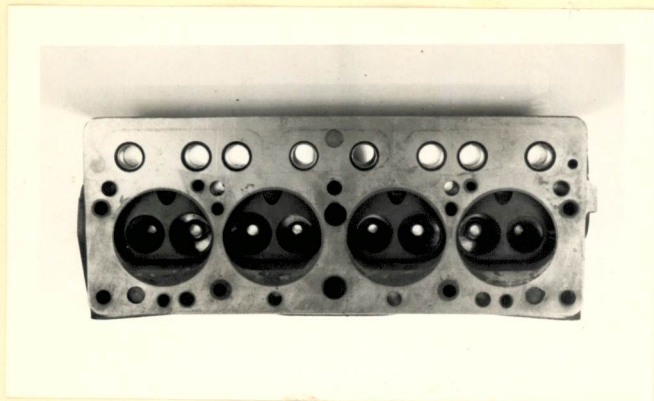
Make S.U. Model HI.

Flange hole diameter 31.7 m.m. Choke diameter VARIABLE m.m.

Main jet identification No. 9

Air filter: Type PAPER ELEMENT No. fitted I

Inlet manifold:
 Diameter of flange hole at carburettor 29 m.m.
 Diameter of flange hole at port 32 m.m.



Exhaust manifold:
 Diameter of flange hole at port 25 x 25 RECTANGULAR m.m.
 Diameter of flange hole at connection to silencer inlet pipe 39 m.m.



ENGINE ACCESSORIES

Make of fuel pump A.C. No. fitted I
 Method of operation MECHANICAL
 Type of ignition system COIL coil or magneto
 Make of ignition LUCAS Model DM 2
 Method of advance and retard CENTRIFUGAL AND VACUUM AUTOMATIC
 Make of ignition coil LUCAS Model LA I2
 No. of ignition coils I Voltage I2
 Make of dynamo DYNAMO Model C40-I
 Voltage of dynamo I2 Maximum output _____ amps.
 Make of starter motor LUCAS Model M35C/I
 Battery: No. fitted I Voltage I2 Capacity 38 amp. hour **AT 10 HR RATING.**

Make HERALD I200 Model I200 COUPE F.I.A. Recognition No.
 Manufacturers Reference No. of Application

TRANSMISSION

Make of clutch BORG AND BECK Type S.D.P.
 Diameter of clutch plate 6 1/4" No. of plates I
 Method of operating clutch HYDRAULIC
 Make of gearbox OWN MAKE Type MAUAL
 No. of gearbox ratios 4 FORWARD AND I REVERSE
 Method of operating gearshift LEVER ON CENTRE FLOOR
 Location of gearshift CENTRE FLOOR
 Is overdrive fitted? NO
 Method of controlling overdrive, if fitted

	GEARBOX RATIOS		ALTERNATIVE RATIOS					
	Ratio	No. of Teeth	Ratio	No. of Teeth	Ratio	No. of Teeth	Ratio	No. of Teeth
1.	3.746	$\frac{29 \times 31}{16 \times 15}$						
2.	2.158	$\frac{29 \times 25}{16 \times 21}$						
3.	1.394	$\frac{29 \times 20}{16 \times 26}$						
4.	1.000	DIRECT.						
5.								

Type of final drive HYPPOID BEVEL
 Type of differential NON LIMITED SLIP
 Final drive ratio 4.11 Alternatives 4.55
 No. of teeth 9/37 9/41
 Overdrive ratio, if fitted

WHEELS

Type STEEL DISC Weight 5.2 kg. **WHEEL ONLY**
 Method of attachment 4 BOLTS AND NUTS.
 Rim diameter 330 m.m. Rim width 89 m.m.
 Type size: Front 5.20 x I3" Rear 5.20 x I3"

BRAKES

Method of operation HYDRAULIC
 Is servo assistance fitted? NO.
 Type of servo, if fitted

No. of hydraulic master cylinders I. Bore 15.9 m.m.

	Front		Rear
No. of wheel cylinders	2 PER WHEEL		1 PER WHEEL
Bore of wheel cylinders	42.8	m.m.	19.08
Inside diameter of brake drums		m.m.	178
No. of shoes per brake			2
Outside diameter of brake discs	232	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	56	m.m.	178
		m.m.	
Width	38.1	m.m.	51.8
Total area per brake	8732	m.m. ²	17735
			m.m. ²

SUSPENSION

	Front		Rear
Type	INDEPENDENT		INDEPENDENT
Type of spring	COIL SPRINGS		TRANSVERSE LEAF
Is stabiliser fitted?	YES		NO
Type of shock absorber	TELESCOPIC		TELESCOPIC
No. of shock absorbers	2		2

STEERING

Type of steering gear	RACK AND PINION	
Turning circle of car	7.7	m., approx.
No. of turns of steering wheel from lock to lock	3- $\frac{3}{4}$	

CAPACITIES AND DIMENSIONS

Fuel tank	32	litres	Sump	4.4	litres	FORM DRY
Radiator	4.8	litres				
Overall length of car	389	cm.	Overall width of car	152.5	cm.	
Overall height of car, unladen (with hood up, if appropriate)	130	cm.				
Distance from floor to top of windscreen:						
Highest point	101.6	cm.	Lowest point	100.3	cm.	Measured from foot well.
Width of windscreen:						
Maximum width	120	cm.	Minimum width	104	cm.	
*Interior width of car	124	cm.	Maximum			
No. of seats	Two					
Track: Front	124	cm.	Rear	122	cm.	
Wheelbase	232	cm.	Ground clearance	170	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
 753 | kg. |

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.....

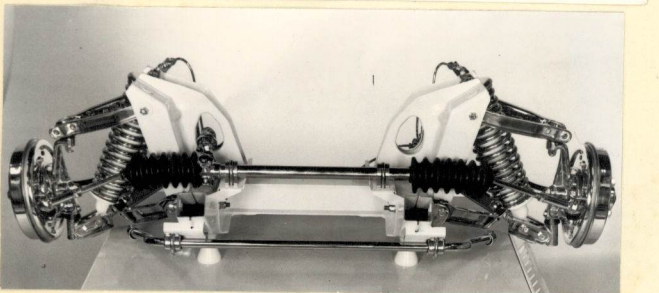
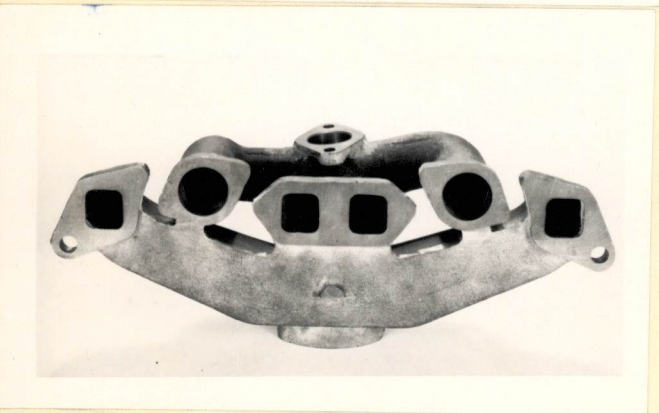
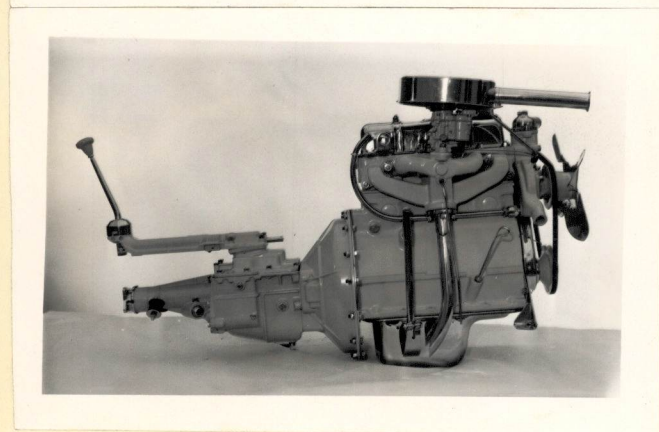
Fuel injection, if fitted

Make of pump..... Model or Type No.....

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

Location of injectors.....

Optional equipment affecting preceding information:—



Single Carburettor Engine

Differing from Twin S.U. Engine as shown:—

Compression Ratio 8:1

	<u>Inlet</u>	<u>Exhaust</u>
Valves Open	12° BTDC	52° BBDC
Valves Close	52° ABDC	12° ATDC

Max. Valve Lift. Inlet & Exhaust 7.11 mm.

Degrees Crankshaft rotation from zero to:—

Maximum Lift. Inlet 122° Exhaust 122°

$\frac{3}{4}$ Maximum Lift Inlet 73° Exhaust 73°

Carburettor 1 Down Draught Solex.

Model 30 ZIC/3 or B30 P.S.E.I.

Flange Dia. 30 mm. Choke Dia. 21 or 21.5 mm.

Main jet identification No. 112.5

Inlet Manifold. Flange Hole Dia. Carb. 31.75 m.
Exhaust Manifold. Flange Hole Dia. Port 25x25 RECT.
Flange Hole to Silencer 32.13 mm.

Front Suspension with Drum Brakes

Bore of wheel cylinders 19.08 mm.
Inside dia. of brake drums 203 mm.
No. of shoes per brake 2.
Brake Lining Length 20.3 mm.
Width 31.8 mm.
Total Brake Area .20270 mm.

5.60" x 13" Tyres
Sump Skid Shield.

