

Manufacturers Reference No. for Application

1015



F.I.A. Recognition No.

41

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 THE STANDARD MOTOR COMPANY LTD.

Model TRIUMPH HERALD 1200 CONVERTIBLE. Year of Manufacture 1961.

Chassis GA 1 CV. ONWARDS.

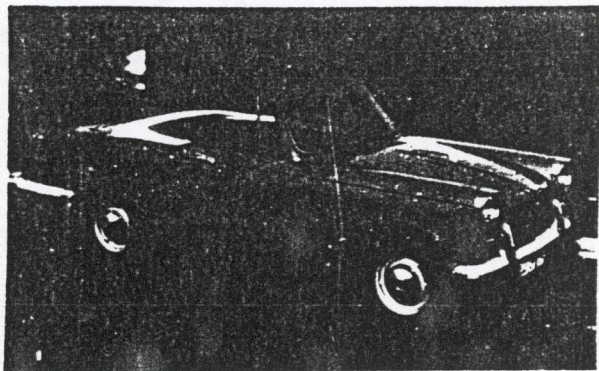
Serial No. of Engine GA 1HE ONWARDS.

Type of Coachwork CONVERTIBLE.

Private

Recognition is valid from 10/1/61 In category GT.

with optional front.



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

Form: R.F.I.A.

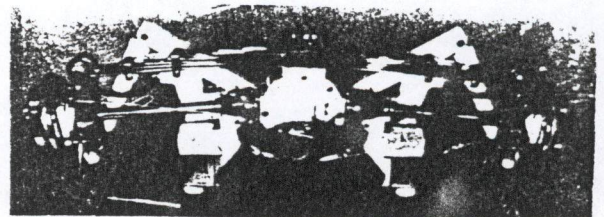
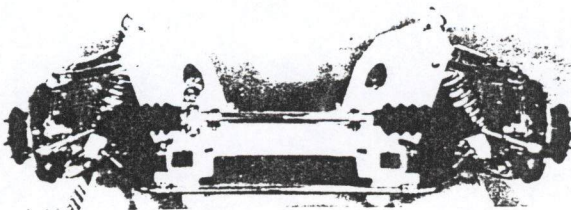
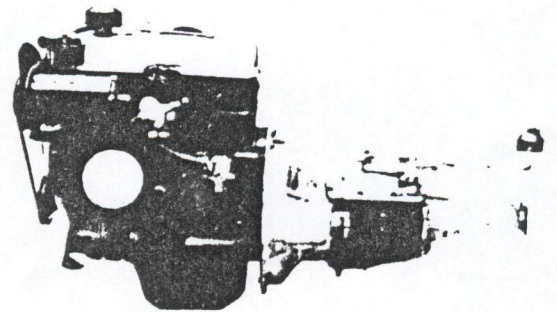
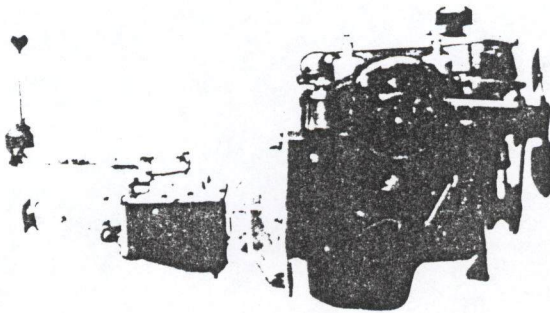
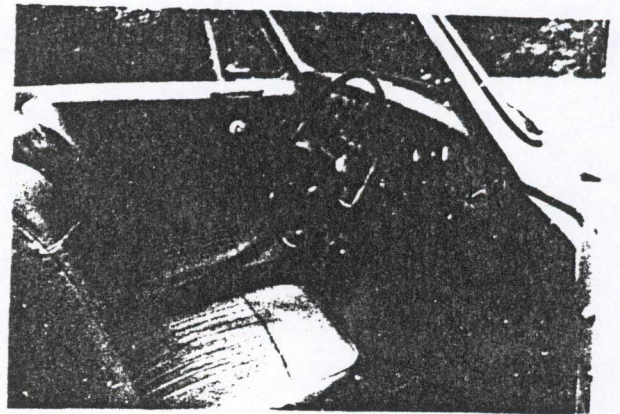
General description of car:

Specify here material/s of chassis/body construction

STEEL BODY AND CHASSIS.



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ENGINE

No. of cylinders ~~4~~ ~~XXXX~~ ~~XXXXXX~~ in line
 Cycle **FOUR STROKE.** Firing order **I, 3, 4, 2.**
 Capacity **1147** c.c. Bore **69.3** m.m. Stroke **76** m.m.
 Maximum rebore **I** mm Resultant capacity **1171** c.c.
 Material of cylinder block **CAST 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 **CAST IRON.** Volume of one combustion chamber **35.81** c.c.
 Compression ratio **8.5 : I**
 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 **0.88** 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 ROD.**
 No. of camshafts **I** Location of camshafts **IN BLOCK.**
 Type of camshaft drive **BY 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**
 ½ Maximum lift: Inlet **76** Exhaust **76**
 Valve springs: Inlet **COIL SPRING** Exhaust **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**

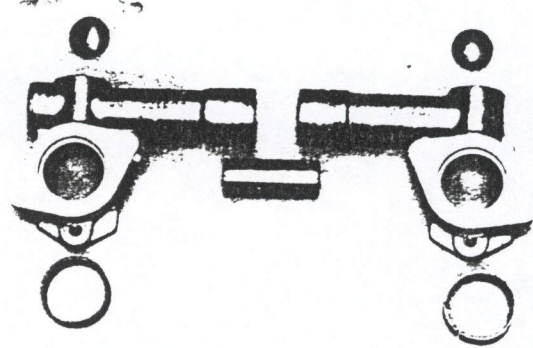
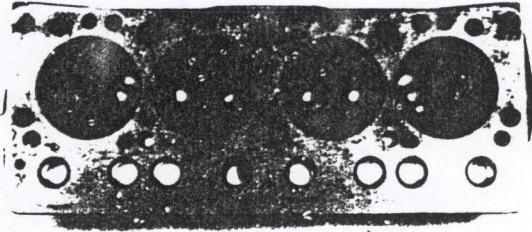
Inlet manifold:

Diameter of flange hole at carburettor

29 m.m.

Diameter of flange hole at port

32 m.m.



Exhaust manifold:

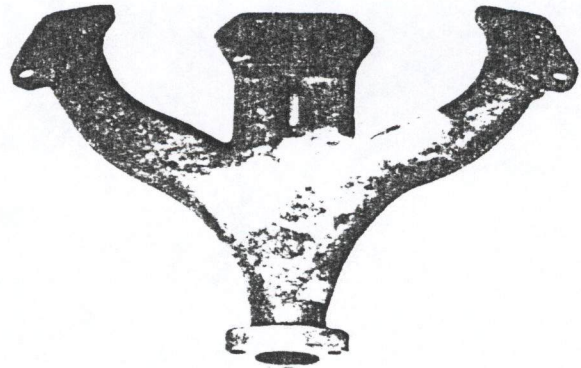
Diameter of flange hole at port **25 x 25 RECTANGULAR.**

m.m.

Diameter of flange hole at connection to silencer inlet pipe

39

m.m.



ENGINE ACCESSORIES

Make of fuel pump

**A.C.
MECHANICAL.**

No. fitted **I**

Method of operation

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

LUCAS

Model **G40-I**

Voltage of dynamo

I2

Maximum output **20** amps.

Make of starter motor

LUCAS

Model **M35C/I**

Battery: No. fitted **I**

Voltage **I2**

Capacity **38** amp. hour AT 10 HR

Oil Cooler (if fitted) type

Capacity pints **RATING.**

Make TRIUMPH HERALD 1200 Mode CONVERTIBLE F.I.A. Recognition No.

Manufacturers Reference No. of Application IOI 5.

TRANSMISSION

Make of clutch BORG AND BECK Type SINGLE DRY PLATE.
 Diameter of clutch plate 6 1/4 inches. No. of plates I
 Method of operating clutch HYDRAULIC.
 Make of gearbox OWN MAKE. Type MANUAL.
 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	$\frac{29}{16} \times \frac{31}{15}$						
2.	2.158	$\frac{29}{16} \times \frac{25}{21}$						
3.	1.394	$\frac{29}{16} \times \frac{20}{26}$						
4.	1.000	DIRECT.						
5.								

Type of final drive HYPOID 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.
 Method of attachment 4 NUTS AND BOLTS.
 Rim diameter 330 m.m. Rim width 89 m.m.
 Tyre size: Front 5.00 x 13" Rear 5.20 x 13"

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	m.m.
Inside diameter of brake drums		m.m.	178	m.m.
No. of shoes per brake			2	
Outside diameter of brake discs	232	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	56	m.m.	178	m.m.
		m.m.		m.m.
Width	38.1	m.m.	31.8	m.m.
Total area per brake	8732	m.m. ²	17735	m.m. ²

SUSPENSION

	Front		Rear	
Type	INDEPENDENT COIL SPRING.		INDEPENDENT TRANSVERSE LEAF.	
Type of spring				
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	FROM 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)	132		cm.			
Distance from floor to top of windscreen:						
Highest point.	101.6	cm.	Lowest point	100.3	cm	MEASURED FROM FLOOR WELL.
Width of windscreen:						
Maximum width	120	cm.	Minimum width	104	cm.	
*Interior width of car	124	cm.	MAX.			
No. of seats	4					
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 770 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:—

SINGLE CARBURETTOR ENGINE.

Differing from Twin SU Engine as shown:—

Compression Ratio 8:1.

	<u>Inlet</u>	<u>Exhaust.</u>
Valves open	12 BTDC	52 ABDC
Valves close.	52 ABDC	12 ATDC

Max Valve lift. Inlet and 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. I Down draught Solex.

Model. 30 ZIC/3 or B30 PSEI.

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

Main Jet Identification No II2.5

Inlet Manifold. Flange Hole dia Carb. 31.75

Exhaust Manifold Flange Hole Dia Port,
25 x 25 rectangular.

Flange Hole in Silencer 32.13 mm

Front Suspension with Drum Brakes.

Bore of wheel cylinders 19.08 mm

Inside dia of Brake shoes. 203 mm.

No of shoes per Brake. 2.

Brake Lining length.. ~~203~~ 203 mm.

Width 31.8 mm.

Total Brake area 20270 mm

Sump Skid shield.