



F.I.A. Recognition No.

26

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 SPEEDWELL PERFORMANCE CONVERSIONS LTD.

Model SPEEDWELL G.T.

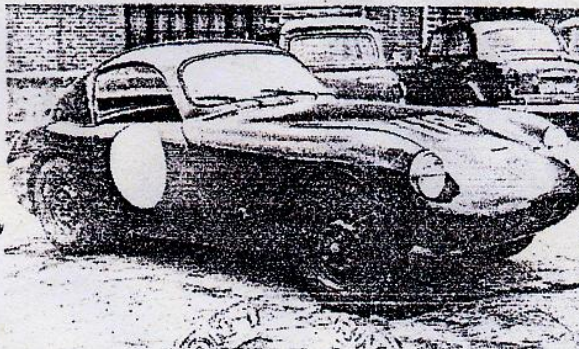
Year of Manufacture 1960

Serial No. of Chassis _____
Engine _____

Type of Coachwork GRAND TOURING

Recognition is valid from 16 Nov 1962 In category G.T.

Photograph to be affixed here $\frac{1}{2}$ v



SGT/1



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

General description of car:

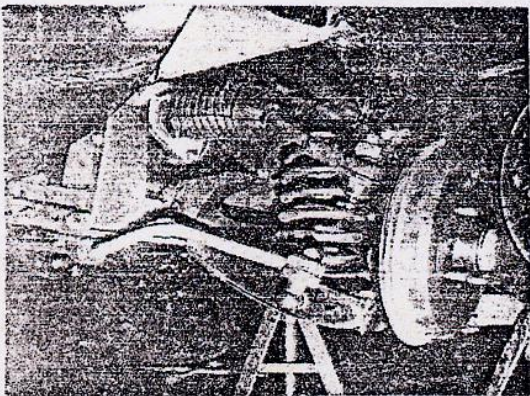
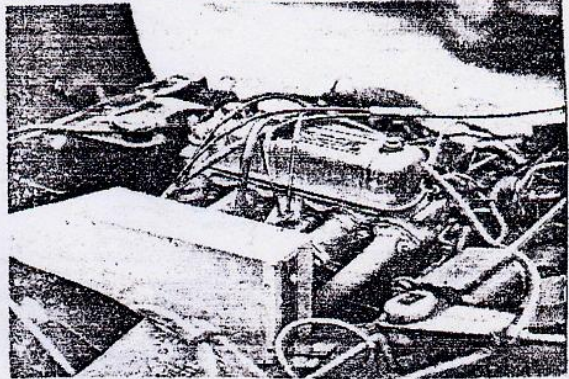
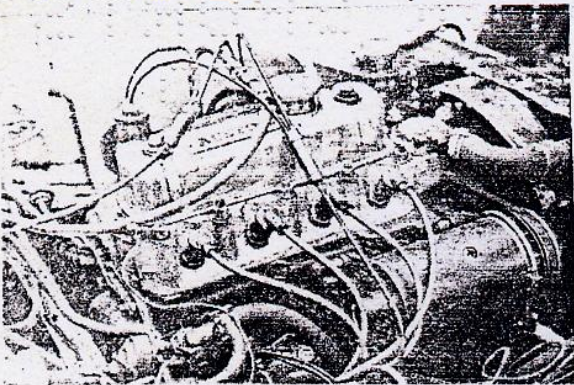
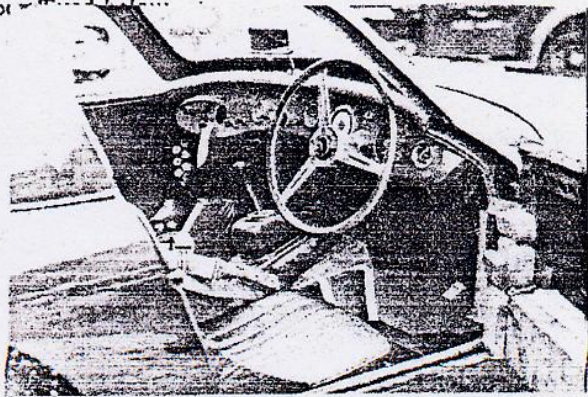
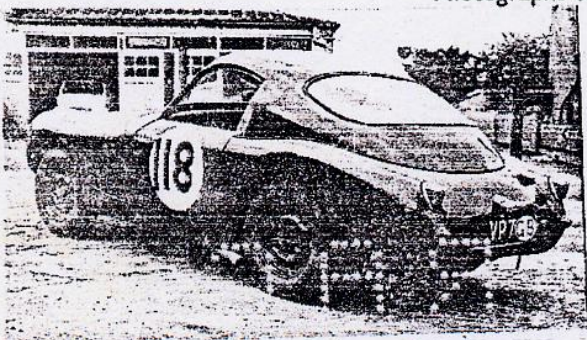
The Speedwell G.T. is a two seater Grand Touring car, capable of high cruising speeds with good petrol economy.

The mechanical components are based on the Austin Healey Sprite with certain modifications designed to improve the handling and comfort.

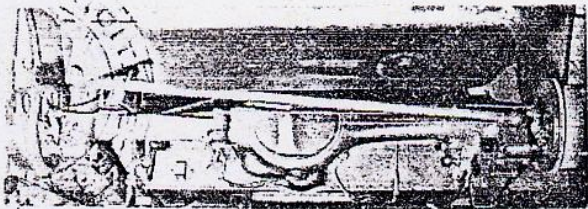
The body is aerodynamically designed ensuring the minimum of wind noise when travelling speed.

The bonnet is designed to hinge forward for maximum engine accessibility.

Photographs to be



Rear axle complete (without wheels).



ENGINE

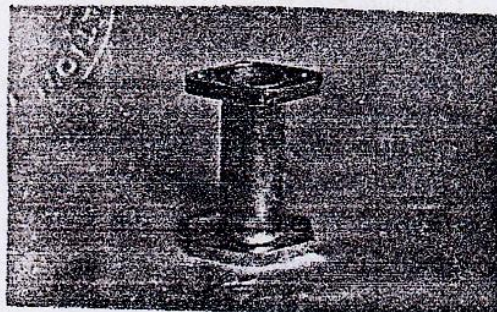
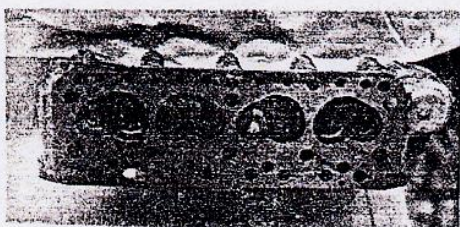
in line YES
 No. of cylinders 4 in V
 opposed
 Cycle 4 Firing order 1.3.4.2
 Capacity 980.5 c.c. Bore 64 m.m. Stroke 76.2 m.m.
 Maximum rebore 0.020 INCHES Resultant capacity 996 c.c.
 Material of cylinder block CAST IRON Material of sleeves, if fitted -
 Distance from crankshaft centre line to top face of block at centre line of cylinders 218.4 m.m.
 Material of cylinder head CAST IRON Volume of one combustion chamber 23.5 c.c.
 Compression ratio 10.5
 Material of piston ALUMINIUM ALLOY No. of piston rings 3
 Distance from gudgeon pin centre line to highest point of piston crown 34.09 m.m.
 Bearings { Crankshaft main bearings: Type PLAIN Dia. 44.463 m.m.
 Connecting rod big end: Type PLAIN Dia. 41.298 m.m.
 Weights { Flywheel 5.9 kg.
 Crankshaft 9.05 kg.
 Connecting rod 0.580 kg.
 Piston with rings 0.230 kg.
 Gudgeon pin 0.055 kg.
 No. of valves per cylinder 2 Method of valve operation OHV PUSHROD
 No. of camshafts 1 Location of camshafts BLOCK
 Type of camshaft drive CHAIN
 Diameter of valves: Inlet 33.5 m.m. Exhaust 28.56 m.m.
 Diameter of port at valve seat: Inlet 31.75 m.m. Exhaust 25.4 m.m.
 Tappet clearance for checking timing: Inlet 1.4 m.m. Exhaust 1.4 m.m.
 Valves open: Inlet 10° BTDC Exhaust 45° BBDC
 Valves close: Inlet 50° ABDC Exhaust 15° ATDC
 Maximum valve lift: Inlet 11.6 m.m. Exhaust 12.30 m.m.
 Degrees of crankshaft rotation from zero to—
 Maximum lift: Inlet 120° Exhaust 120°
 ¾ Maximum lift: Inlet 103° Exhaust 103°
 Valve springs: Inlet Exhaust
 Type HELICAL HELICAL
 No. per valve 2 2
 Carburettor: Type HORIZONTAL No. fitted 2
 (up or down draft, horizontal)
 Make AVAL Model SPEEDWELL
 Flange diameter 31.75 m.m. Choke diameter 30 m.m.
 Main jet identification No. 376/100

Air filter: Type NONE No. fitted 1

Inlet manifold:

Diameter of flange at carburettor 31.75 m.m.

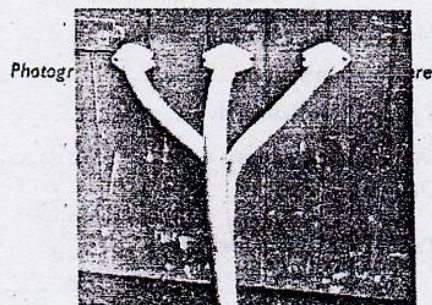
Diameter of flange at port 31.75 m.m.



Exhaust manifold:

Diameter of flange at port 31.75 m.m.

Diameter of flange at connection to silencer inlet pipe NONE m.m.



ENGINE ACCESSORIES

Make of fuel pump SU No. fitted 3

Method of operation ELECTRIC

Type of ignition system COIL coil or magneto

Make of ignition LUCAS/BOSCH/SCINTILLA Model SPEEDWELL

Method of advance and retard AUTOMATIC

Make of ignition coil LUCAS/BOSCH Model HA 12

No. of ignition coils 1 Voltage 12

Make of dynamo LUCAS Model C 39 PV 2

Voltage of dynamo 12 V. Maximum output 19 amps.

Make of starter motor LUCAS Model M 35 G1

Battery: No. fitted 1 Voltage 12 Capacity 43 amp. hour

Make SPEEDWELL Model G.T. F.I.A. Recognition No. _____

TRANSMISSION

Make of clutch BORG & BECK Type SINGLE DRY PLATE
Diameter of clutch plate 6 1/2" No. of plates 1
Method of operating clutch FOOT PEDAL
Make of gearbox BMC SPEEDWELL Type A
No. of gearbox ratios 5
Method of operating gearshift MANUAL
Location of gearshift 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.	2.569	13/32	3.627	13/32				
2.	1.681	18/29	2.374	18/29				
3.	1.233	22/26	1.412	23/24				
4.	1.000	-	1.000	-				
5.	3.3	13/18 14/32	4.664	13/18 14/32				

Type of final drive HYPOID
Type of differential EPICYCLIC BEVEL
Final drive ratio 4.55 Alternatives 5.38 5.1 4.9 4.22 3.9 3.73
No. of teeth 9/41 8/43, 8/41, 8/39, 9/38, 10/39, 11/41
Overdrive ratio, if fitted NONE

WHEELS

Type DISC Weight 4.525 kg.
Method of attachment NUTS & STUDS
Rim diameter 33 m.m. Rim width 87 m.m.
Tyre size: Front 5.25 x 13 Rear 5.25 x 13

BRAKES

Method of operation HYDRAULIC
Is servo assistance fitted? NO
Type of servo, if fitted NONE
No. of hydraulic master cylinders 2 Bore 22.2 m.m.

	Front		Rear
No. of wheel cylinders	2		1
Bore of wheel cylinders	20	m.m.	20
Inside diameter of brake drums	177.8	m.m.	177.8
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	171.4	m.m.	171.4
		m.m.	m.m.
Width	31.75	m.m.	31.75
Total area per brake	10883	m.m. ²	10883
			m.m. ²

SUSPENSION

	Front		Rear
Type	INDEPENDENT		$\frac{1}{2}$ ELLIPTIC
Type of spring	COIL		LEAF
Is stabiliser fitted?	YES		YES
Type of shock absorber	HYDRAULIC		HYDRAULIC
No. of shock absorbers	2		2

STEERING

Type of steering gear RACK & PINION

Turning circle of car 9.6 m., approx.

No. of turns of steering wheel from lock to lock 2.25

CAPACITIES AND DIMENSIONS

Fuel tank 60 litres Sump 4 litres

Radiator 5.68 litres

Overall length of car 370 cm. Overall width of car 143 cm.

Overall height of car, unladen (with hood up, if appropriate) 122 cm.

Distance from floor to top of windscreen:

Highest point 91.5 cm. Lowest point 91.5 cm.

Width of windscreen:

Maximum width 98 cm. Minimum width 96 cm.

Interior width 114 cm.

No. of seats 2

Track: Front 116 cm. Rear 115.6 cm.

Wheelbase 203 cm. Ground clearance 130 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 533 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:—

