F.I.A. Recognition No. 1003

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 Motor Co., Limited.,

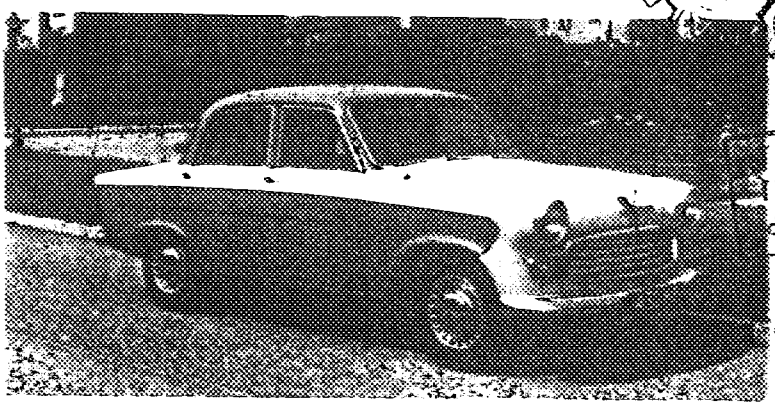
Model Standard Vanguard Six Year of Manufacture 1960

Serial No. of ~~Chassis~~ Commission ~~Engine~~ #1 -- onwards

Type of Coachwork Saloon.

Recognition is valid from 10th November, 1960. In category Normal Series Production

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



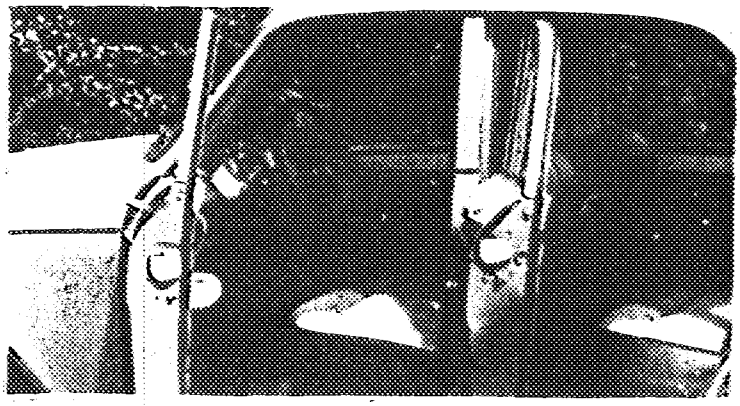
MEMBER OF the FEDERATION INTERNATIONALE de l'AUTOMOBILE

General description of car:

¾ view of car from rear left

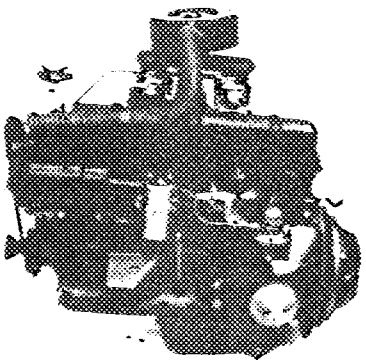
Interior view of car through drivers door.

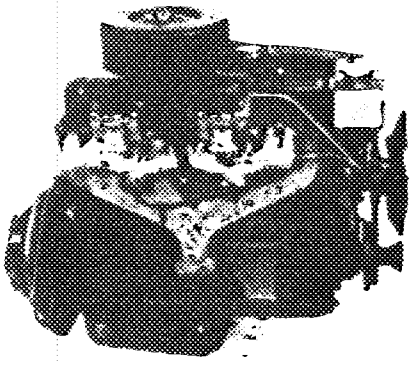
Photographs to be affixed below.



Engine unit with accessories from right.

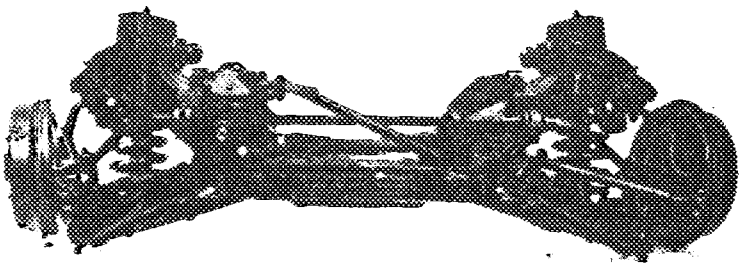
Engine unit with accessories from left.

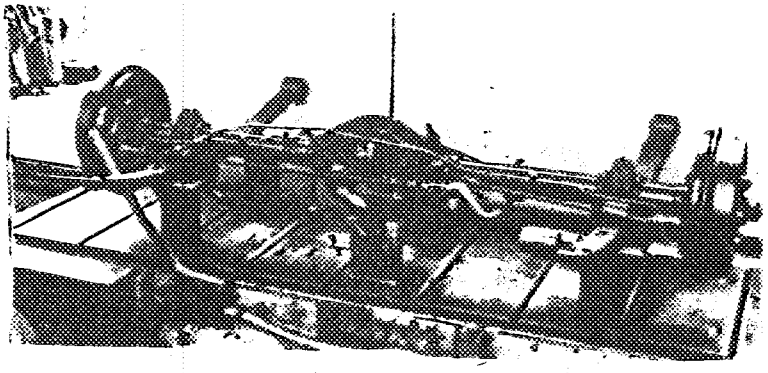




Front axle complete (without wheels).

Rear axle complete (without wheels).





ENGINE

No. of cylinders 6 — in line: In line; in V: ---; opposed: ---

Cycle: 4 stroke — Firing order: 1, 5, 3, 6, 2, 4.

Capacity: 1998 c.c. Bore: 74.7 m.m. Stroke: 76 m.m.

Maximum rebore: 0.040" (1 mm) Resultant capacity: 2052 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: 223 m.m.

Material of cylinder head: Cast Iron Volume of one combustion chamber: 40.05 c.c.

Compression ratio: 8

Material of piston: Aluminium Alloy No. of piston rings: 3

Distance from gudgeon pin centre line to highest point of piston crown: 38.1 m.m.

Bearings: Crankshaft main bearings: Type: Shell-Steel backed Dia.: 50.8 m.m.

Connecting rod big end: Type: Shell-Steel backed Dia.: 47.55 m.m.

Weights:

Flywheel	9.1	kg.
Crankshaft	19.1	kg.
Connecting rod	0.88	kg.
Piston with rings	0.37	kg.
Gudgeon pin	0.085	kg.

No. of valves per cylinder: 2 Method of valve operation: Pushrods and rockers

No. of camshafts: 1 Location of camshafts: In block

Type of camshaft drive: Chain

		Inlet		Exhaust	
Diameter of valves:	Inlet	33	m.m.	Exhaust 29.9	m.m.
Diameter of port at valve seat:	Inlet	30.2	m.m.	Exhaust 27	m.m.
Tappet clearance for checking timing:	Inlet	0.4	m.m.	Exhaust 0.4	m.m.
Valves open:	Inlet	18°BTDC		Exhaust 58°BBDC	
Valves close:	Inlet	58°ABDC		Exhaust 18°ATDC	
Maximum valve lift:	Inlet	7.92	m.m.	Exhaust 7.92	m.m.

Degrees of crankshaft rotation from zero to--

		Inlet	Exhaust
Maximum lift:	Inlet	128°	Exhaust 128°
¼ Maximum lift:	Inlet	76°	Exhaust 76°

Valve springs:

	Inlet	Exhaust
Type	Coil	Coil
No. per valve	2	2

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

Make: Solex Model: B.32 P.1.H

Flange diameter: 32 m.m. Choke diameter: 22 m.m.

Main jet identification No. 115

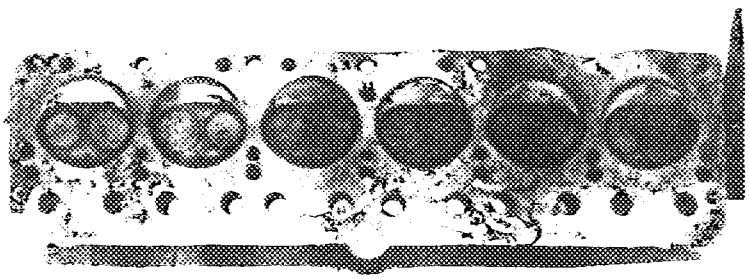
Air filter: Type **Paper Element** No. fitted 1

Inlet manifold:

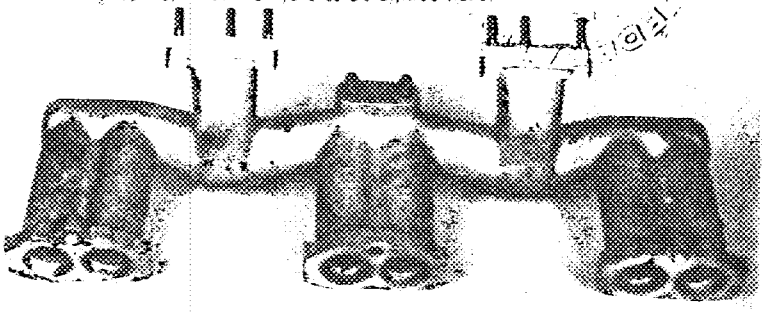
Diameter of flange at carburettor 30.6. inside diameter m.m.

Diameter of flange at port 28.6.inside diameter m.m.

Photograph of combustion chamber to be affixed here.



Photograph of inlet manifold to be affixed here.

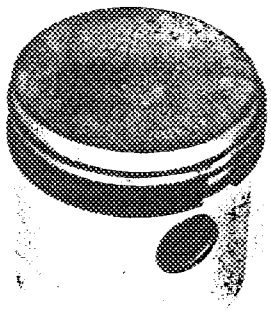


Exhaust manifold:

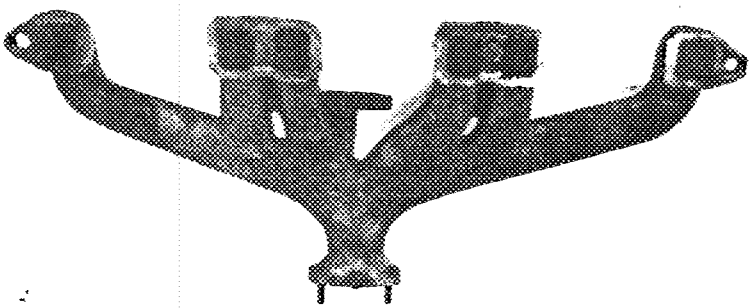
Diameter of flange at port 28.7.x23.85 Rectangular (inside m.m.

Diameter of flange at connection to silencer inlet pipe 36.1(inside diameter) m.m.

Photograph of piston



Photograph of exhaust manifold to be affixed here.



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	---
Method of advance and retard	Automatic		
Make of ignition coil	Lucas	Model	HA.12
No. of ignition coils	1	Voltage	12
Make of dynamo	Lucas	Model	C39PV/2
Voltage of dynamo	12	Maximum output	22 amps.
Make of starter motor	Lucas	Model	M418G

Battery: No. fitted 1 Voltage 12 Capacity 57(20 hr rating)our

Make Standard Triumph Mode Vanguard Six F.I.A. Recognition No.

TRANSMISSION

Make of clutch Borg & Beck Limited Type Single dry plate

Diameter of clutch plate 8" No. of plates 1

Method of operating clutch Pedal Hydraulically

Make of gearbox S.M.C. Type Manual

No. of gearbox ratios 4 forward and reverse.

Method of operating gearshift Manual

Location of gearshift Centre floor.

Is overdrive fitted? Yes, at extra cost

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	1		1					
2	1.80	35/22x 27/31	1.67	39/19x 26/32				
3	2.1	35/22x 33/25	3.13	39/1 x 35/23				
4	3.54	35/22x 40/18						
5								

Type of final drive Hypoid bevel

Type of differential Free

Final drive ratio 4.1 Alternatives 4.55 (only with O.D.)

No. of teeth 41/10

Overdrive ratio, if fitted 0.82 (4 speed gearbox) 0.78 (3 speed gearbox)

WHEELS

Type Steel disc Weight 8.65 (wheel only) kg.

Method of attachment Studs and nuts

Rim diameter 360 m.m. Rim width 114 m.m.

Tyre size. Front 5.90"-15" Rear 5.90"-15"

BRAKES

Method of operation Pedal hydraulically

Is servo assistance fitted? No

Type of servo, if fitted ----

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	m.m.
Inside diameter of brake drums	254	m.m.	254	m.m.
No. of shoes per brake	2		2	
Outside diameter of brake discs	---	m.m.	---	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	248	m.m.	248	m.m.
	---	m.m.	---	m.m.
Width	57	m.m.	57	m.m.
Total area per brake	28250	m.m.²	28250	m.m.²

SUSPENSION

	Front	Rear
Type	Independent	---
Type of spring	Coils	Leafs
Is stabiliser fitted?	Yes	No
Type of shock absorber	Telescopic	Telescopic
No. of shock absorbers	2	2

STEERING

Type of steering gear: Recirculating Ball

Turning circle of car: 11.8 m., approx.

No. of turns of steering wheel from lock to lock: 4.1/3.

CAPACITIES AND DIMENSIONS

Fuel tank 54.5 litres Sump 6 litres

Radiator 8 with heater litres

Overall length of car 437 cm. Overall width of car 172 cm.

Overall height of car, unladen (with hood up, if appropriate) 152cm.

Distance from floor to top of windscreen:

Highest point 108 cm. Lowest point 97 cm.

Width of windscreen:

Maximum width 133 cm. Minimum width 120 cm.

Interior width 140 cm.

No. of seats 5/6 seater (2 bench seats)

Track: Front 131 cm. Rear 131 cm.

Wheelbase 259 cm. Ground clearance 185 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 1145 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:—

3 speed gearbox optional with gear change lever on steering column. 0.78 overdrive available on top and 2nd in conjunction with 3 speed gearbox and 4.55 rear axle.

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

TRIUMPH - VANGUARD SIX	11/60	1003
MARQUE ET MODELE	VALIDITE HOMOLOGATION	FICHE NR.
	T / 2000	
	GROUPE / CLASSE	

EXTENSIONS	DEBUT VALIDITE	DESCRIPTION	NOTES

Autres homologations du modèle

Vérifiée le 24/8/56 par _____ visée ce jour le _____ par _____