



Manufacturers Reference No. for Application
V.M. 61/2.

F.I.A. Recognition No. 1059

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 Vauxhall Motors Limited

Model Victor Year of Manufacture 1957-61

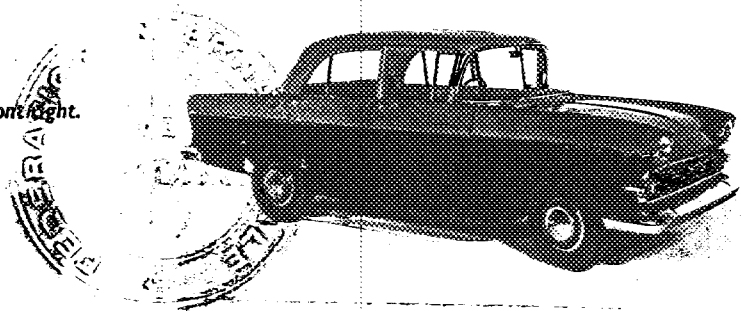
Serial No. of Chassis From 1001

Engine From 2001

Type of Coachwork Saloon

Recognition is valid from 1st March 1957 In category Touring

Photograph to be affixed here $\frac{3}{4}$ view of car from front right.



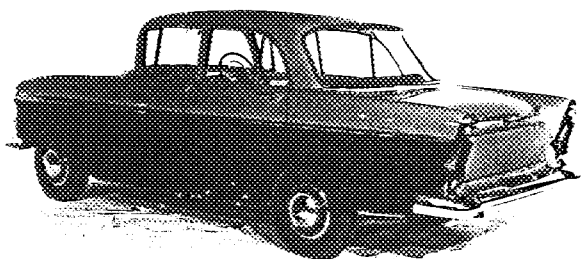
Stamp of F.I.A. to be affixed here.

General description of car:

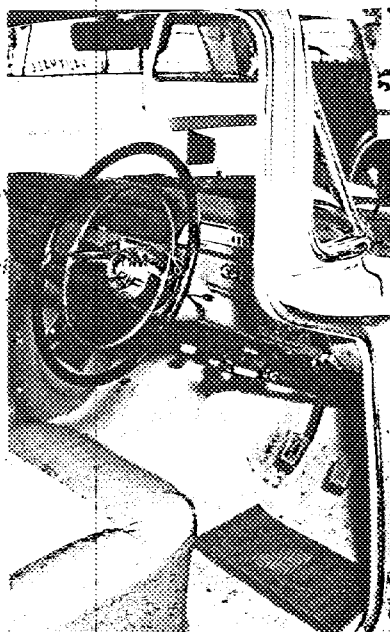
92 cubic inch 4 cylinder 4 door 4-5 seat saloon.

Photographs to be affixed below

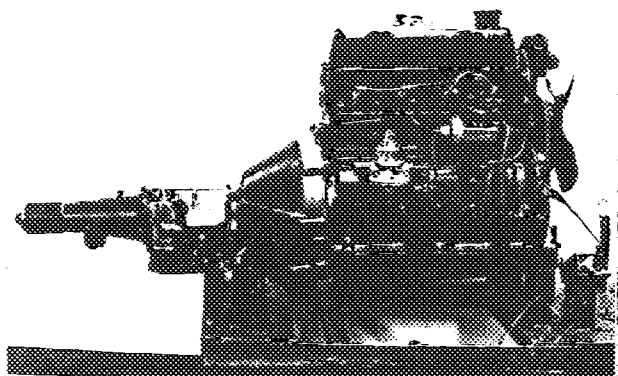
Interior



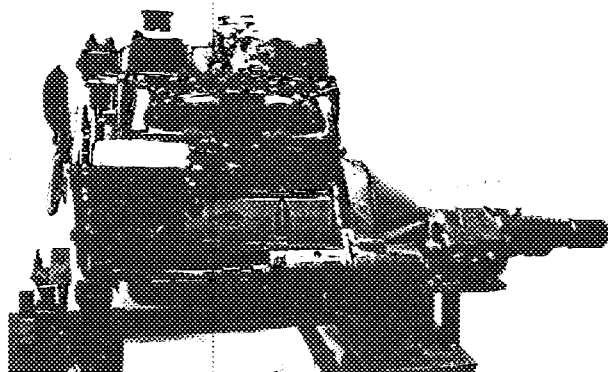
Engine unit with accessories from right.



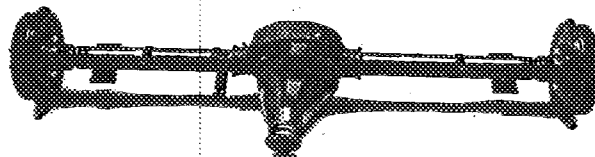
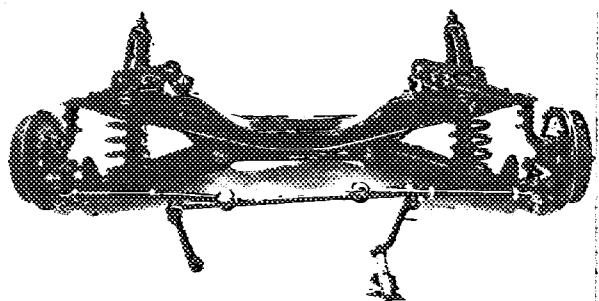
Engine unit with accessories from left.



Front axle complete (without wheels).



Rear axle complete (without wheels).



ENGINE

in line X

No. of cylinders 4 in V

opposed

Cycle 4 stroke Firing order 1 3 4 2

Capacity 1508 c.c. Bore 79.37 m.m. Stroke 76.20 m.m.

Maximum rebore .06" Resultant capacity 1523 c.c.

Material of cylinder block Chromium cast iron Material of sleeves, if fitted -

Distance from crankshaft centre line to top face of block at centre line of cylinders 220.6 m.m.

Material of cylinder head Cast Iron Volume of one combustion chamber 45.5 c.c.

Compression ratio 7.8:1

Material of piston Aluminium Alloy No. of piston rings 3

Distance from gudgeon pin centre line to highest point of piston crown 45.64 m.m.

Bearings { Crankshaft main bearings: Type White Metal Dia. 53.9 m.m.
 Connecting rod big end: Type Copper Lead Dia. 47.6 m.m.

Weights { Flywheel 11.45 kg.
 Crankshaft 15.06 kg.
 Connecting rod .52 kg.
 Piston with rings .425 kg.
 Gudgeon pin .113 kg.

No. of valves per cylinder 2 Method of valve operation O.H. Push Rod

No. of camshafts 1 Location of camshafts L.H. Side (From front)

Type of camshaft drive Chain

Diameter of valves: Inlet 36.5 m.m. Exhaust 31.75 m.m.

Diameter of port at valve seat: Inlet Approx. throat dia. 30.6 m.m. Exhaust 26.1 m.m.

Tappet clearance for checking timing: Inlet .33 m.m. Exhaust .33 m.m.

Valves open: Inlet 19.6 B.T.D.C. Exhaust 51.6 B.B.D.C.

Valves close: Inlet 60.6 A.B.D.C. Exhaust 28.6 A.T.D.C.

Maximum valve lift: Inlet 8.7 m.m. Exhaust 8.7 m.m.

Degrees of crankshaft rotation from zero to—

Maximum lift: Inlet 125.6° Exhaust 125.6

$\frac{3}{4}$ Maximum lift: Inlet 79.6° Exhaust 79.6°

Valve springs: Inlet Helical Coil Exhaust Helical Coil

No. per valve 1 1

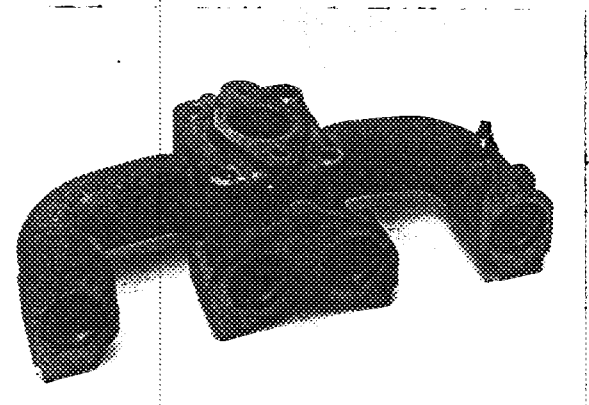
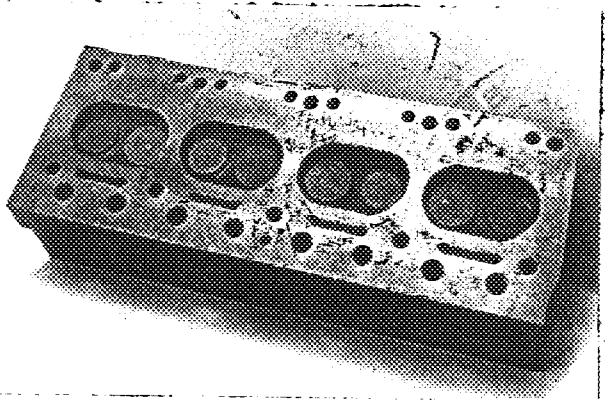
Carburettor: Type Down-Draught No. fitted 1
 (up or down draft, horizontal)

Make Zenith Model 34 VN.

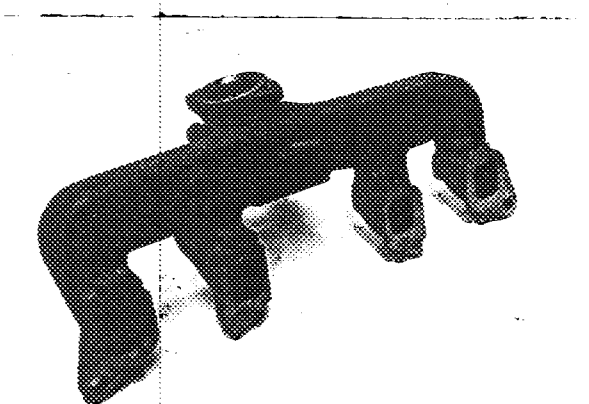
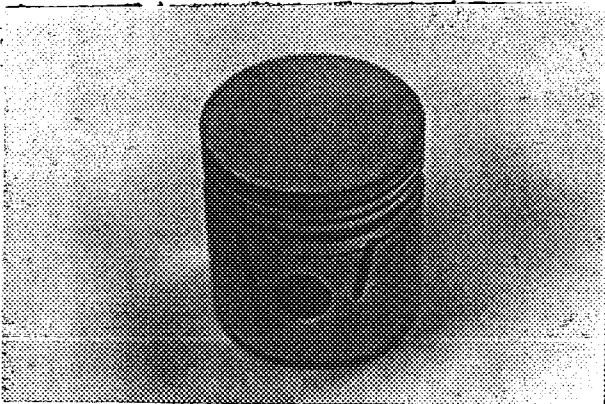
Flange diameter 34 m.m. Choke diameter 25 m.m.

Main jet identification No. 82

Air filter: Type Oil Wetted No. fitted 1
 Inlet manifold:
 Diameter of flange at carburettor 34.13 m.m.
 Diameter of flange at port 32.94 m.m.



Exhaust manifold:
 Diameter of flange at port 25.4 x 30.16 m.m.
 Diameter of flange at connection to silencer inlet pipe 42.06 m.m.



ENGINE ACCESSORIES

Make of fuel pump A.G. No. fitted 1
 Method of operation Camshaft
 Type of ignition system Coil coil or magneto
 Make of ignition A.C. Delco Model 7952051
 Method of advance and retard Centrifugal and Vacuum
 Make of ignition coil A.C. Delco Model Oil Filled
 No. of ignition coils 1 Voltage 12
 Make of dynamo Lucas Model C-40-1
 Voltage of dynamo 12 Maximum output 19 amps.
 Make of starter motor Lucas Model M35G
 Battery: No. fitted 1 Voltage 12 Capacity 43 amp. hour

Make Vauxhall Model Victor F.I.A. Recognition No.

TRANSMISSION

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Make of clutch Borg & Beck Type Dry
 Diameter of clutch plate 7.25" No. of plates 1
 Method of operating clutch Hydraulic
 Make of gearbox Vauxhall Type 3 speed synchromesh
 No. of gearbox ratios 3 forward 1 reverse.
 Method of operating gearshift Manual
 Location of gearshift Steering Column
 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.	3.186	X						
2.	1.635							
3.	1:1							
4.								
5.								

Type of final drive Hotchkiss.
 Type of differential Hypoid Bevel
 Final drive ratio 4.125 Alternatives 4.625
 No. of teeth 33/8 37/8
 Overdrive ratio, if fitted -

WHEELS

Type Disc. Weight 5.80 kg.
 Method of attachment Stud. 4 Off.
 Rim diameter 330.2 m.m. Rim width 101.6 m.m.
 Tyre size: Front 5.60 x 13 Rear 5.60 x 13

BRAKES

Method of operation Hydraulic.
 Is servo assistance fitted? Not as Std.
 Type of servo, if fitted -
 No. of hydraulic master cylinders 1 Bore 19.05 m.m.

	Front		Rear
No. of wheel cylinders	2 per brake		1 per brake
Bore of wheel cylinders	20.25	m.m.	19.05
Inside diameter of brake drums	203.2	m.m.	203.2
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	195.25	m.m.	195.25
	-	m.m.	-
Width	38.1	m.m.	38.1
Total area per brake	148.25	m.m. ²	148.25

SUSPENSION

	Front		Rear
Type	Independent Wishbone		Beam Axle
Type of spring	Coil		Semi-elliptic leaf.
Is stabiliser fitted?	Yes		No.
Type of shock absorber	D/A Telescopic		D/A Telescopic
No. of shock absorbers	2		2

STEERING

Type of steering gear	Burman Recirculating Ball
Turning circle of car	10.3 m., approx.
No. of turns of steering wheel from lock to lock	3.8

CAPACITIES AND DIMENSIONS

Fuel tank	36.35	litres	Sump	4.27	litres
Radiator	5.98 (6.84 with htr)	litres			
Overall length of car	426	cm.	Overall width of car	162	cm.
Overall height of car, unladen (with hood up, if appropriate)	150	cm.			
Distance from floor to top of windscreen:					
Highest point	105.0	cm.	Lowest point	71.1	cm.
Width of windscreen:					
Maximum width	122.5	cm.	Minimum width	103.5	cm.
Interior width	133	cm.			
No. of seats	4				
Track: Front	127	cm.	Rear	127	cm.
Wheelbase	249	cm.	Ground clearance	165	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

Victor Std. 975
Victor Super. 985

Victor De Luxe 1013
Victor Estate 1041

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:—

* Gearbox

Constant mesh gears	17/22 teeth
2nd. Speed gears	24/19
1st Speed gears	32/13
Reverse gears	33/14
Reverse idler gear	21

