

Manufacturers Reference No. for Application

SNIDE V.



F.I.A. Recognition No.

1387

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 HUMBER LIMITED.
 Model SUPER SNIPE V. Year of Manufacture 1965
 Serial No. of Chassis B 8400001
 Engine B 8400001
 Type of Coachwork 5/6 Seater Saloon.
 Recognition is valid from 1st June 1965 In category Touring.

Photograph to be affixed here 3/4 view of car from front right.



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



Hubert Johnson

Form: R.F.I.A.

Make HUMBER Model SUPER SNIPE V.F.I.A. Recognition No.

ENGINE

Catalogued B.H.P.
 at R.P.M.
 No. of cylinders 6 in line yes in V -
 opposed -

Cycle 4 stroke. Firing order 1,5,3,6,2,4.
 Capacity 2,965 c.c. Bore 87.3 m.m. Stroke 82.6 m.m.
 Maximum rebore Resultant capacity c.c.
 Material of cylinder block Cast Iron Material of sleeves, if fitted None.

Distance from crankshaft centre line to top face of block at centre line of cylinders 241. m.m.
 Material of cylinder head Cast Iron. Volume of one combustion chamber 72.9 - 1 c.c.
 Compression ratio 8.0 : 1 with valves and spark plug fitted.
 Material of piston Aluminium. No. of piston rings 3

Distance from gudgeon pin centre line to highest point of piston crown 52.7 m.m.
 Bearings { Crankshaft main bearings: Type Micro-babbit Dia. 63.5 m.m.
 Connecting rod big end: Type Micro-babbit Dia. 50.8 m.m.

Weights { Flywheel 13.7 kg.
 Crankshaft 28.6 kg.
 Connecting rod .91 kg.
 Piston with rings .49 kg.
 Gudgeon pin .14 kg.

No. of valves per cylinder 2. Method of valve operation O.H.V. Push Rod.
 No. of camshafts 1 Location of camshafts In cylinder block.
 Type of camshaft drive Chain from crankshaft.

Diameter of valves: Inlet 41.5 m.m. Exhaust 33.9 m.m.
 Diameter of port at valve seat: Inlet 38.5 m.m. Exhaust 30.5 m.m.
 Tappet clearance for checking timing: Inlet .355 m.m. Exhaust .355 m.m.

Valves open: Inlet 20° B.T.D.C. Exhaust 52° B.B.D.C.
 Valves close: Inlet 46° A.B.D.C. Exhaust 14° A.T.D.C.
 Maximum valve lift: Inlet 9.4 valve lift m.m. Exhaust 8.9 m.m.

Degrees of crankshaft rotation from zero to—
 Maximum lift: Inlet 142. Exhaust 140.
 3/4 Maximum lift: Inlet 90 Exhaust 88

Valve springs: Inlet Exhaust
 Type Helical coil springs. Helical coil springs.
 No. per valve 2

Carburettor: Type Horizontal. No. fitted 2
 (up or down draft, horizontal)
 Make Zenith Model 1.75 CD
 Flange hole diameter 42 m.m. Choke diameter Variable. m.m.

Needle Match identification No. 4 X

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General description of car:

Specify here material/s of chassis/body construction

4 door 5 seater saloon car.

All steel integral chassis/body unit.

Photographs to be affixed below.

3/4 view of car from rear left.



Interior view of car through driver's door.



Engine unit with accessories from right.



Engine unit with accessories from left.



to be changed

to be changed

Front axle complete, (without wheels).



Rear axle complete (without wheels).



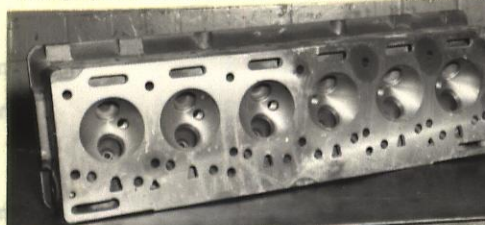
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Air filter: Type A.C. Paper Element. No. fitted 1.

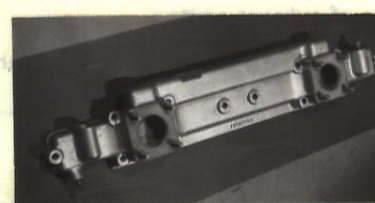
Inlet manifold:
 Diameter of flange hole at carburettor 42.9 m.m.
 Diameter of flange hole at port Rectangular 39.4 x 25.4 m.m.

N.B. Manifold shape at joint to head consists of two large rectangular ports, each containing three separate inlet branches to internal dimensions given above.

Photograph of combustion chamber to be affixed here.



Photograph of inlet manifold to be affixed here.



Exhaust manifold:

Diameter of flange hole at port Rectangular 44.5 x 25.4 m.m.
 Diameter of flange hole at connection to silencer inlet pipe 2 flanges 41.3 m.m.

N.B. Two piece manifold feeding a Y piece down pipe.

Photograph of piston showing crown to be affixed here.



Photograph of exhaust manifold to be affixed here.



ENGINE ACCESSORIES

Make of fuel pump A.C. No. fitted 1

Method of operation Mechanical from camshaft.

Type of ignition system Distributor and coil of magneto

Make of ignition Lucas Distributor Model 25 D.6

Method of advance and retard Vacuum and centrifugal.

Make of ignition coil Lucas. Model H.A.12.

No. of ignition coils 1 Voltage 12

Make of dynamo Lucas. Model G.42

Voltage of dynamo 12 Maximum output 30 amps.

Make of starter motor Lucas. Model M.18 G.

Battery: No. fitted 1 Voltage 12 Capacity 51 amp. hour

Oil Cooler (if fitted) type Capacity pints

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TRANSMISSION

Make of clutch Borg & Beck Type Dry Plate - Diaphragm spring
 Diameter of clutch plate 9" Nominal No. of plates 1
 Method of operating clutch Hydraulic - foot operated
 Make of gearbox Humber Limited Type Synchromesh
 No. of gearbox ratios 3 - forward, 1 reverse
 Method of operating gearshift Manual Remote Control
 Location of gearshift Steering Column
 Is overdrive fitted? Optional extra
 Method of controlling overdrive, if fitted Electrical

	GEARBOX RATIOS		ALTERNATIVE RATIOS					
	Ratio	No. of Teeth	Ratio	No. of Teeth	Ratio	No. of Teeth	Ratio	No. of Teeth
1.	2.803:1	35 x 27						
2.	1.452:1	35 x 27						
TOP	1.000:1	Direct						
REVERSE	3.137:1	35 x 19	19 x 32					
4.		21 x 17	17 x 19					
5.								

Type of final drive Hypoid bevel gear
 Type of differential Normal 2 pinions & 2 side gears
 Final drive ratio 4.222:1 Alternatives _____
 No. of teeth 38
 Overdrive ratio, if fitted 0.7776 : 1 (28.6%) Overall 3.283 : 1

WHEELS

Type Pressed steel disc Weight 7.9 kg.
 Method of attachment 5 x 1/4" U.N.F. Line Studs
 Rim diameter 380 m.m. Rim width 114 m.m.
 Tyre size: Front 6.70 x 15 Rear 6.70 x 15

BRAKES

Method of operation Girling Hydraulic
 Is servo assistance fitted? Yes
 Type of servo, if fitted Vacuum
 No. of hydraulic master cylinders 1 Bore 22.2 m.m.

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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 _____

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No. of wheel cylinders 4 Front 2 Rear 2
 Bore of wheel cylinders 57 m.m. 19 m.m.
 Inside diameter of brake drums _____ m.m. 279 m.m.
 No. of shoes per brake _____ 2
 Outside diameter of brake discs 289 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 Segment <u>40°</u> included angle _____ m.m. <u>267</u> m.m.		
Internal radius <u>76</u> _____ m.m. <u>267</u> m.m.		
Width External radius <u>130</u> _____ m.m. <u>57</u> m.m.		
Total area per brake <u>7,800</u> _____ m.m. ² <u>30,300</u> m.m. ²		

SUSPENSION

	Front	Rear
Type <u>Independent wishbone</u> <u>Live axle</u>		
Type of spring <u>Helical coil spring</u> <u>Semi-elliptic leaf spring</u>		
Is stabiliser fitted? <u>Yes</u> <u>Yes</u>		
Type of shock absorber <u>Hydraulic telescopic</u> <u>Hydraulic telescopic</u>		
No. of shock absorbers <u>2</u> <u>2</u>		

STEERING

Type of steering gear Burman 'F.3' type Recirculating ball
 Turning circle of car 11.6 m., approx.
 No. of turns of steering wheel from lock to lock 4

CAPACITIES AND DIMENSIONS

Fuel tank 73 litres Sump only 7.68 litres
 Radiator Engine 14.2 with heater 17.8 litres Sump including filter 8.53 litres
 Overall length of car 169 cm. Overall width of car 177 cm.
 Overall height of car, unladen (with hood up, if appropriate) 155 cm.
 Distance from floor to top of windscreen:
 Highest point 112 cm. Lowest point 102 cm.
 Width of windscreen:
 Maximum width 142 cm. Minimum width 129 cm.
 *Interior width of car 147 cm.
 No. of seats 5/6 seats; 2 bench seats; separate front seats optional extra.
 Track: Front 142 cm. Rear 141 cm.
 Wheelbase 280 cm. Ground clearance 178 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 1491 kgs.

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Optional equipment affecting preceding information:—

- BORG-WARNER AUTOMATIC TRANSMISSION AVAILABLE AT EXTRA COST FOR USE WITH 4 AXES
- PETROL TANK SHIELD AVAILABLE (AUSTRALIA, AFRICA, AND NEW ZEALAND.)
- LARGE CAPACITY LONG RANGE FUEL TANK AVAILABLE (AUSTRALIA, AFRICA, AND NEW ZEALAND). CAPACITY 100 LITRES.
- RADIATOR AND SUMP PROTECTIVE SHIELD AVAILABLE.
- HEAVY DUTY SUSPENSION AVAILABLE WITH PROTECTIVE PLATE WELDED TO FRONT CROSS MEMBER, IN CONJUNCTION WITH HIGH RATED REAR SPRINGS.
- CENTRAL REMOTE CONTROL GEAR CHANGE LEVER AVAILABLE.

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