

GENERAL DATA

No. 65-2

JANUARY, 1965  
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TO: ALL ROOTES DEALERS  
 MODEL: HUMBER SUPER SNIPE V & HUMBER IMPERIAL  
 SUBJECT: GENERAL DESCRIPTION

The commencing chassis numbers for these models are:

HUMBER SUPER SNIPE SERIES V	B.84000001
HUMBER IMPERIAL	B.84300001

## ENGINE

Design and construction of the engine remains unchanged. Modifications affecting carburation have resulted in more power and torque with improved acceleration in all gears.

This has been affected by the twin Stromberg 175 CD carburetors with redesigned inlet manifold and larger air cleaner. The carburetors operate on the constant vacuum variable choke principle.

Other changes include a new thermostat housing to improve heater operation, a "throwaway" replacement type oil filter, and a hydraulic pump for the power steering system.

Engine data is as follows:-

Cylinders	...	...	...	...	6
Capacity	...	...	...	...	2965 cc.
Compression ratio	...	...	...	...	8.0 : 1
B.H.P. (at 5,000 r.p.m.)	...	...	...	...	gross 137.5    nett 128.5
Max. Torque (at 2,600 r.p.m.)	...	...	...	...	167 lb/ft.

## CLUTCH

The clutch is as for Series IV i.e. Borg and Beck 9 in, single dry plate with diaphragm spring.

## TRANSMISSION

Gearbox and Rear Axle are as Series IV.

To improve gear change operation with the manual gearbox, the gear change mechanism and column mounted lever and knob are modified.

An overdrive unit operative on top gear, and Borg Warner automatic transmission, remain available as optional extras.

With Borg Warner transmission, the Selector Quadrant has a new bezel and red indicator pointer, with the unit as for Series IV.

## STEERING

Power assisted steering previously optional, is now standard equipment. This "Hydrosteer" system, is incorporated in the steering with the Burman recirculating ball type unit.

The system has a ram unit hydraulically operated by a pump driven from the engine. Should the hydraulic power fail, the car will steer by normal manual steering.

The steering box ratio is unaltered at 18.3 : 1 but with power steering the castor angle is changed to 1/2° positive.

The recommended lubricant for the steering is Shell Donax T.6 which must not be mixed with Shell X.100 10W/30 previously recommended.

## REAR SUSPENSION

Dual rated leaf springs with Armstrong AT.9 shock absorbers, provide a soft ride.

A rubber mounted anti-roll bar is fitted to the underside of the body and connected to the rear axle by two short links; this improves handling and reduces roll.

## FRONT SUSPENSION

A larger anti-roll bar of 15/16 in. diameter is fitted and the front suspension crossmember mountings are modified to reduce road noise.

## BRAKES

These are Girling as previously, with hydraulic servo assisted foot-brake and mechanical handbrake. Disc brakes 11.4 in. diameter at the front, and 11 in. diameter drum brakes at the rear.

A new feature is the handbrake cable, which is prepacked and sealed, with no greaser.

### INSTRUMENTATION

A toggle switch for "off" "dim" and "bright" controls the panel lights.

The warning lights on the facia incorporate mechanical dimming.

A new feature is the combined wiper and washer control on the right hand side of the facia panel with "WASH-WIPE" markings above the knob. The control has three twist positions for operating the two speed wipers, and a press action for operating the windscreen washer.

### ELECTRICAL

For the extra load of the longer wiper blades, a 6WA windscreen wiper is fitted. The motor has two speed control.

The windscreen wiper blades are 14 inch Aeramic type.

The rear lamp clusters are restyled. The lamps project to appear as single units and the wiring arrangement is as for Series IV.

The heater has a two speed blower.

### ROAD WHEELS AND TIRES

Wheel disc trims are standard equipment.

"Road Speed" RS.5 type 6.70 x 15 in. Dunlop tires with the inner tubes are fitted. Tire pressure 24 lbs. psi front and rear; increase by 3 lbs. psi for high speed.

### EXHAUST SYSTEM

An expansion box is fitted into the rear tail pipe.

### SERVICING

Service is recommended every 1,000 miles except engine oil renewal which is 6,000 miles (or every six months, whichever is the sooner).

With sealed pre-packed joints, we have deleted three greasers from the propshaft at the front, centre, and rear universal joints, but the greaser for the sliding sleeve remains.

### ESTATE CAR

The rear anti-roll bar is not fitted to the Estate Car due to the differing rear spring rates to accept the additional load carrying capacity of this vehicle.

### SPECIAL TOOLS

No new V.L.C. special tools are required.

### HUMBER IMPERIAL

The information contained in this bulletin in respect of the Humber Super Snipe Series V is also applicable to the Humber Imperial. Additional new features and specifications for the Humber Imperial are given herewith:-

BORG-WARNER AUTOMATIC TRANSMISSION is fitted as standard. The unit is identical to that available as an optional extra on the Humber Super Snipe.

'Selectaride' Rear Shock Absorbers at the rear only, Armstrong 'Selectaride' electrically adjustable shock absorbers are fitted. These shock absorbers provide a means whereby the degree of damping may be varied to suit requirements in road and load conditions; selection is obtained by a switch with position 1 to 4 - being hardest.

Alternator - An alternator replaces the dynamo for the extra load of electrical equipment on this model. The alternator provides a better charging rate and the ammeter has a 50 amp. reading.

### Heating and Ventilation

A rear heater is specified in addition to the front. A back-light demister is also fitted.

Rear Compartment Reading Lamps - Twin reading lamps are fitted on the rear upper quarter panel in addition to the interior lights.

### Additional Driving Lamps

A spot lamp and fog lamp are standard equipment.

Door Warning Lights

Red Warning Lights are fitted in the trailing edge of each door. These illuminate automatically when the door is opened.

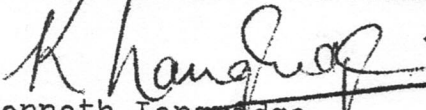
Radio

Push button radio is standard equipment. There is a choice of three makes - Radiomobile, Ecko or Pye.

Reutter Type Front Bucket Seats (Saloon Only)

Individual front bucket seats with Reutter type mechanism for adjustment of squab back to a reclining position are standard equipment.

ROOTES MOTORS INCORPORATED

  
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