

GENERAL DATA

No. 65-1

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TO: ALL ROOTES DEALERS
MODEL: COB & HUSKY II, MINX V, ~~RAPIER~~ AND ALPINE IV
SUBJECT: MODEL IMPROVEMENTS

Commencing chassis numbers for the new features described in this bulletin are:-

Hillman Husky Series III	B.21100001
Sunbeam De Luxe	B.03500001
Sunbeam Rapier Series IV	B.33100001
Sunbeam Alpine Series IV	B.94100001

ENGINE

Camshaft (Rapier and Alpine IV)

A modified camshaft is fitted having a larger nose radii to relieve nose stresses.

Manifold Clamp Rods (Rapier IV)

Manifold clamping rods are used similar to those fitted to Alpine IV.

Air Cleaner (Rapier and Alpine IV)

A renewable fibre pad type of air cleaner is fitted and the crankcase ventilation system modified to suit.

FUEL SYSTEM

Accelerator Pedal (Husky III and Sunbeam De Luxe)

An organ type accelerator pedal is fitted for smoother control.

Petrol Cap (Sceptre)

A hinged quick release petrol cap is fitted to the top of the left hand rear wing.

TRANSMISSION

Clutch (All cars covered by this Bulletin)

A $7\frac{1}{2}$ " diameter Borg and Beck diaphragm spring, strap drive clutch with 1" diameter slave cylinder is fitted to Husky III and Sunbeam De Luxe.

The Sceptre I, Rapier and Alpine IV which already have this type of clutch, will also have the $7\frac{1}{2}$ " diameter unit; the size of the slave cylinder is unchanged.

Gearbox (All cars covered by this Bulletin)

A gearbox with synchromesh for first gear provides a four speed all synchromesh gear.

Reverse gear has been changed and is selected by moving the gear lever to the RIGHT and rearward.

The recommended lubricant for all temperatures is Shell X-100 Multigrade 10W/30.

The gearbox ratios are:-

Top	1.00 : 1	3rd	1.39 : 1
2nd	2.14 : 1	1st	3.35 : 1
Rev.	3.57 : 1	(1st	3.77 : 1 Cob and Husky III)

With the Husky and Cob rear axle (4.42 : 1) the overall ratios are:-

Top	4.42 : 1	3rd	5.88 : 1
2nd	9.04 : 1	1st	15.91 : 1
Rev.	15.07 : 1		

For other cars with standard transmission (3.89 : 1) the overall ratios are:-

Top	3.89 : 1	3rd	5.413 : 1
2nd	8.324 : 1	1st	13.04 : 1
Rev.	13.88 : 1		

For other cars with overdrive transmission (4.22 : 1)
the overall ratios are:-

O/D Top	3.387 : 1	Top	4.22 : 1
O/D 3rd	4.714 : 1	3rd	5.877 : 1
2nd	9.038 : 1	1st	14.158 : 1
Rev.	15.07 : 1		

Gear Lever (All cars covered by this bulletin)

A centre floor gear lever is fitted as on the Sceptre and Rapier IV. A new gear lever knob is also fitted with a "gate" on its top face and a rubber core.

Automatic Transmission (Minx V.)

A centre floor gear selector for the Borg-Warner Automatic Transmission is fitted as on Alpine IV.

FRONT SUSPENSION

Anti-Roll Bar (Cob and Husky III)

An anti-roll bar is fitted as on other cars in the light car range.

Lowering of the Top Link Fulcrum Pin (All cars covered in this bulletin)

The attachment point of the top link fulcrum pin has been lowered to improve handling and reduce roll on corners.

STEERING GEAR

Steering Wheel and Cowlings (Minx V and Gazelle V)

A dished steering wheel is fitted as on Super Minx III.

Adjustable Steering Column (Sceptre I)

An adjustable height steering column with $2\frac{1}{2}$ in. variation is fitted as on Alpine IV.

BRAKES

Longer Backing Plate Levers (Cob and Husky III, Minx V. Sceptre, Rapier IV and Gazelle V)

Longer back plate levers are fitted for easier handbrake operation.

Vacuum Servo Unit (Sceptre I)

The brake servo unit is located lower in the engine compartment.

ELECTRICAL

Control Box (All cars except Sceptre I)

The RB.340 Control Box with trunnion adjustment is fitted as on Sceptre I.

Ignition Coil (Cob and Husky III, Minx V, Gazelle V)

The ignition coil is now on the engine bulkhead.

Two Speed Windscreen Wiper Motor (Sceptre I)

A two speed windscreen wiper motor is fitted.

Heater (Alpine IV)

A two speed blower motor is fitted.

"Dimmable" Warning Lights (Minx V, Sceptre I, and Rapier IV, Gazelle V)

Warning lights, for the main headlamp beam, flashers and overdrive, which can be dimmed, are fitted. The lamps are as on Alpine IV.

Panel Light Switch (Rapier IV)

A lever type switch having three positions "OFF" "DIM" and "BRIGHT" is used, as on Sceptre I.

Facia Lamp (Sceptre I)

A separate lamp for the controls and switches is fitted.

Screenwiper/Washer Control (Rapier IV)

A combined screenwiper/washer control is fitted. To operate the screenwiper, the control knob is rotated and to operate the screenwasher, the knob is depressed. A new washer jet is also fitted on the bonnet.

Screenwasher (Minx V)

A screenwasher is fitted as standard.

SEATING

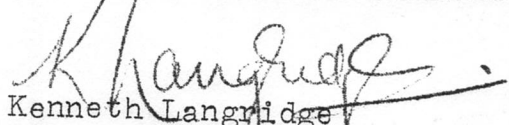
Front seats (Minx V and Gazelle V)

Front seat slide mechanisms to give a 5 in. fore and after movement are fitted. There is a forward or rearward choice of slide fixings which give a further $1\frac{1}{2}$ in. variation.

Reclining Front Seats (Sceptre I and Gazelle V)

Front seats having reclining squabs are introduced. A small lever at the side of the seat controls a ratchet for a range of positions between upright and almost fully recumbent.

ROOTES MOTORS INCORPORATED


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