

GENERAL DATA

No.

65-10

TO: ALL ROOTES DEALERS  
 MODEL: 1725 LIGHT CAR RANGE MODELS  
 SUBJECT: SERVICE INFORMATION

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 NOVEMBER, 1965

A Workshop Manual (Publication No. W.S.M. 145) covering the above, recently introduced range of models, is now in the course of distribution to all Dealers.

This publication gives all information concerning the new models but this bulletin is also issued to acquaint Dealers with new features and principal changes that have taken place.

### CHASSIS NUMBER IDENTIFICATION

The commencing chassis numbers for the individual models of the 1725 range are as follows:-

Hillman Minx VI	B.006000001
Hillman Super Minx IV	B.034000001
Sunbeam Alpine V	B.395000001
Sunbeam Rapier V	B.325000001

A further bulletin explaining the new chassis numbering system will follow shortly.

### ENGINE

The new larger capacity engine gives improved performance and incorporates a five main bearing crankshaft for smoother running.

The increase in capacity from 1592 to 1724 c.c. has been effected by lengthening the stroke from 3 inches (76.2 mm.) to 3.25 inches (82.55 mm.) whilst retaining the original bore size of 3.21 inches (81.5 mm.).

The new five main bearing crankshaft also has larger main bearing and big-end journals than the previous type.

The oil pump capacity has been increased by 25% to meet the five bearing requirements, and also features an anti-surge oil pick-up.

Oil Pressure - Important

Note that the NORMAL oil pressure for this model is 40 lbs. in. (2.8 kg./cm.).

Champion Sparking Plugs

Now specified although certain cars may have K.L.G. plugs installed.

CARBURETORS

Rapier V	(Solex B.32 P.A.I.A.S. compound (twin choke incorporating a strangler valve.
Minx VI Super Minx IV	(Zenith 34.I.V. (down-draught
Alpine	(Stromberg 150 C.D. (twin)

TRANSMISSION

The gearbox ratios are unchanged except for the Sunbeam Alpine V model which is fitted with close ratio gears.

Detail improvements to the gearbox and rear axle are:-

- (1) Improved lubrication to the gearbox rear cover bush.
- (2) " sealing of the rear axle hubs.

Rear Axle ratios - Estate car and overdrive models 4.22 : 1; standard transmission and automatic 3.89 : 1.

Overdrive is offered as an optional extra on the Super Minx for the first time.

Borg Warner 35 automatic transmission is offered as optional equipment on the Sceptre for the first time.

SUSPENSION - FRONT AND REAR

There is no change to the front or rear suspension of the models in this range.

### STEERING

Except for the Super Minx IV model which is fitted with Cam Gear recirculating ball type steering units, there is no change to the type of steering unit fitted to the remaining models.

### BRAKES

All models now have braking systems that are self adjusting at the front and rear. With the introduction of self adjusting rear brakes, the handbrake also becomes self adjusting.

### ELECTRICAL

All models are fitted with NEGATIVE EARTH system. Attention is drawn to Service Bulletin No. N.10 which gives comprehensive details of this change.

The Rapiere and Alpine models are now equipped with a LOAC alternator; the Minx, Super Minx are fitted with a C40 generator.

### BODY INTERIOR

Detail improvements have been made to the body interior of most of the models in this range. Those models with front no-draught ventilators now have locking push buttons to enable the ventilators to be locked as a protection against car theft.

### SERVICING

After the first 500 miles (800 km.) and 1,000 miles (1,600 km.) free services, the servicing periods of these models remain unchanged at every 6,000 miles (9,600 km.) or every six months whichever is the sooner.

### CONTROLS

Dealer's sales and service staff must ensure that they familiarise themselves with the operation of all the controls of these new models.

### SPECIAL TOOLS

The following additional tools are required for servicing this new range of models.

#### Engine

RG.336-5 Connecting rod aligner adaptor (Use with 335 and 336 alignment jig and multi-purpose arbor).

Gearbox

RG.482 Mainshaft nut wrench.

Brake Servo (where fitted)

2030 Servo end cover remover/replacer.

NEW PAINT COLORS

The codes of the new paint colors introduced on the 1725 range of models are as follows:-

<u>Code</u>	<u>Color</u>	<u>Models</u>
100	Mediterranean Blue	Alpine
104	Willow Green	Minx, Super Minx
1105	Bermuda Blue	" " "
113	Glade Green Metallic	Rapier
114	Sherwood Green Metallic	"

ROOTES MOTORS INCORPORATED

  
Kenneth Langridge  
General Service Manager

KL/jd