

Manufacturers Reference No. for Application

HILLMAN SUPER MINX I.



F.I.A. Recognition No. 1117

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..... ROOTES GROUP

Model..... HILLMAN SUPER MINX I Year of Manufacture..... 1961

Serial No. of Chassis..... B.1200001

Engine..... B.1200001

Type of Coachwork..... SALOON

Recognition is valid from..... ~~1961~~ In category..... TOURING

liste generale 9 27 FEV 1962
+ additionnelle 7

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:

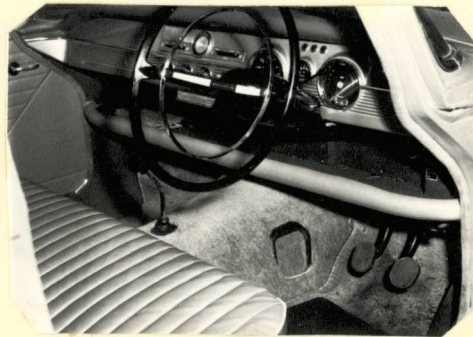
FOUR DOOR SALOON.

Photographs to be affixed below.

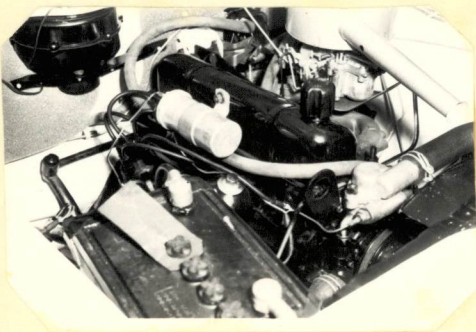
$\frac{3}{4}$ view of car from rear left.



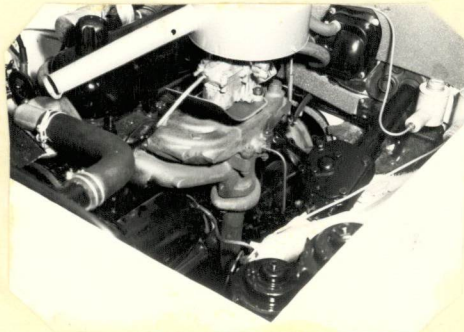
Interior view of car through driver's door.



Engine unit with accessories from right.



Engine unit with accessories from left.



Front axle complete (without wheels).



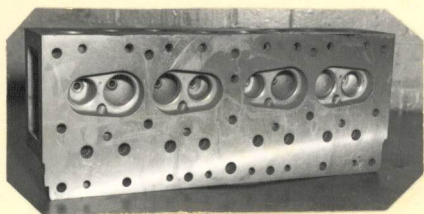
Rear axle complete (without wheels).



Air filter: Type..... **Paper Element** No. fitted..... **1**

Inlet manifold:
 Diameter of flange hole at carburettor..... **33** m.m.
 Diameter of flange hole at port..... **32** m.m.

Photograph of combustion chamber to be affixed here.



Photograph of inlet manifold to be affixed here.



Exhaust manifold:
 Diameter of flange hole at port..... **27** m.m.
 Diameter of flange hole at connection to silencer inlet pipe..... **45.7** m.m.

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**

Type of ignition system..... **Coil** coil or magneto

Make of ignition..... **Lucas** Model..... **DM2**

Method of advance and retard..... **Centrifugal and vacuum**

Make of ignition coil..... **Lucas** Model..... **HA12**

No. of ignition coils..... **1** Voltage..... **12**

Make of dynamo..... **Lucas** Model..... **G40**

Voltage of dynamo..... **12** Maximum output..... **19** amps.

Make of starter motor..... **Lucas** Model..... **M35G**

Battery: No. fitted..... **1** Voltage..... **12** Capacity..... **38** amp. hour

SUPER

Make HILLMAN Model MINX F.I.A. Recognition No. _____
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TRANSMISSION

Make of clutch Borg and Beck Type Single dry plate
 Diameter of clutch plate 8.0 in. No. of plates 1
 Method of operating clutch Mechanical through hydraulic
 Make of gearbox Rootes Type Constant.
 No. of gearbox ratios 4 forward and 1 reverse.
 Method of operating gearshift Manual
 Location of gearshift Centre floor lever
 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.	3.346	$\frac{29}{20} \times \frac{30}{13}$						
2.	2.141	$\frac{29}{20} \times \frac{31}{21}$						
3.	1.392	$\frac{29}{20} \times \frac{24}{25}$						
4.	1.0	Direct.						
Rev5.	4.239	$\frac{29}{20} \times \frac{30}{13} \times \frac{19}{15}$						

Type of final drive Hypoid
 Type of differential Normal - 2 Pinions and side gears.
 Final drive ratio 4.22:1 Alternatives -
 No. of teeth 9/38 -
 Overdrive ratio, if fitted -

WHEELS

Type Pressed steel disc Weight 5.75 kg.
 Method of attachment 4 - 16 in. UNF Bolts.
 Rim diameter 330.2 m.m. Rim width 114.3 m.m.
 Type size: Front 6.00 x 13 Rear 6.00 x 13

BRAKES

Method of operation Hydraulic
 Is servo assistance fitted? No
 Type of servo, if fitted -
 No. of hydraulic master cylinders 1 Bore 17.8 m.m.

	Front		Rear	
No. of wheel cylinders	2 per wheel		1 per wheel	
Bore of wheel cylinders	20.3	m.m.	19.1	m.m.
Inside diameter of brake drums	229	m.m.	299	m.m.
No. of shoes per brake	2		2	
Outside diameter of brake discs	-	m.m.	-	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	219	m.m.	219	m.m.
	219	m.m.	219	m.m.
Width	44.5	m.m.	44.5	m.m.
Total area per brake	19,500	m.m. ²	19,500	m.m. ²

SUSPENSION

	Front		Rear	
Type	Independent		Live axle	
Type of spring	Coil		Semi elliptic leaf	
Is stabiliser fitted?	Yes		No	
Type of shock absorber	Hydraulic telescopic		Hydraulic telescopic	
No. of shock absorbers	2		2	

STEERING

Type of steering gear	Burman recirculating ball	
Turning circle of car	10.97	m., approx.
No. of turns of steering wheel from lock to lock	3.2	

CAPACITIES AND DIMENSIONS

Fuel tank	50	litres	Sump	3.9 sump only	litres
Radiator & Engine	7	litres		4.5 inc. filter	
Overall length of car	419	cm.	Overall width of car	162	cm.
Overall height of car, unladen (with hood up, if appropriate)	148	cm.			
Distance from floor to top of windscreen:					
Highest point	104	cm.	Lowest point	101	cm.
Width of windscreen:					
Maximum width	129	cm.	Minimum width	119	cm.
*Interior width of car	129.5	cm.			
No. of seats	4/5				
Track: Front	131	cm.	Rear	123	cm.
Wheelbase	256.5	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 1040 kgs.

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:—

1. Petrol Tank Shield available.
2. Heavy duty Suspension with Aeon Rubber Assistance, available, export countries: Australia, Africa and New Zealand.
3. Long Range Fuel Tank available, capacity 100 litres.
4. Oil Cooler available.
5. Electrical Petrol pump available.
6. Light weight Competition Seats available.