

Manufacturers Reference No. for Application

HILLIMP I



F.I.A. Recognition No.

1204

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..... HILLMAN MOTOR CAR COMPANY LIMITED

Model..... IMP Year of Manufacture..... 1963

Serial No. of Chassis..... B 41/1000001 /HSO

Engine..... B 41/1000001 /HSO

Type of Coachwork..... Saloon Two Door

Recognition is valid from..... ~~24 April, 1963~~ 9/5/63 In category..... Touring

[Handwritten signatures in blue and green ink]

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:

2 DOOR FOUR SEATER SALOON CAR

Photographs to be affixed below.

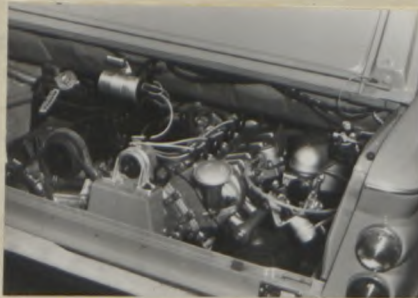
$\frac{3}{4}$ view of car from rear left.



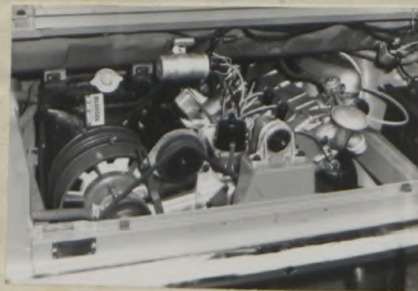
Interior view of car through driver's door.



Engine unit with accessories from right.



Engine unit with accessories from left.



Front axle complete (without wheels).



Rear axle complete (without wheels).



ENGINE

in line in line

No. of cylinders 4 in V -
 opposed -

Cycle 4 Firing order 1.3.4.2

Capacity 875 c.c. Bore 68.0 m.m. Stroke 60.3 m.m.

Maximum rebore 0.762 Resultant capacity 896 c.c.

Material of cylinder block Aluminium Material of sleeves, if fitted Cast Iron

Distance from crankshaft centre line to top face of block at centre line of cylinders 161.925 m.m.

Material of cylinder head Aluminium Volume of one combustion chamber 21.1 c.c.

Compression ratio 10.1

Material of piston Aluminium No. of piston rings 3 or 4

Distance from gudgeon pin centre line to highest point of piston crown 26.606 m.m.

Bearings { Crankshaft main bearings: Type Shell Dia. 47.6 m.m.
 Connecting rod big end: Type Shell Dia. 41.5 m.m.

Weights { Flywheel 5.707 kg.
 Crankshaft 8.601 kg.
 Connecting rod 0.49 kg.
 Piston with rings 0.189 kg.
 Gudgeon pin 0.567 kg.

No. of valves per cylinder 2 Method of valve operation Direct Tappet

No. of camshafts 1 Location of camshafts Overhead

Type of camshaft drive Single stage chain

Diameter of valves: Inlet 27.987 m.m. Exhaust 26.654 m.m.

Diameter of port at valve seat: Inlet 26.135 m.m. Exhaust 25.765 m.m.

Tappet clearance for checking timing: Inlet 0.254 m.m. Exhaust 0.254 m.m.

Valves open: Inlet 15° BTDC Exhaust 53° BTDC

Valves close: Inlet 53° ABDC Exhaust 15° BTDC

Maximum valve lift: Inlet 6.0122 m.m. Exhaust 6.0122 m.m.

Degrees of crankshaft rotation from zero to—

Maximum lift: Inlet 116° Exhaust 116°

$\frac{3}{4}$ Maximum lift: Inlet 64° Exhaust 64°

Valve springs: Inlet Exhaust

Type Coil Coil

No. per valve 2 2

Carburettor: Type Downdraft No. fitted 1
 (up or down draft, horizontal)

Make Solex Model 30 PIHT

Flange hole diameter 30 m.m. Choke diameter 22 m.m.

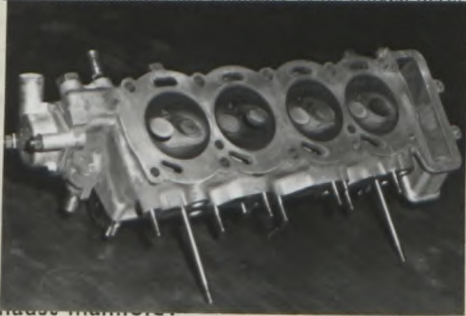
Main jet identification No. 112.5



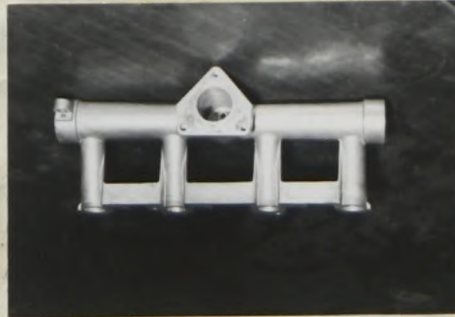
Air filter: Type Paper Element No. fitted 1

Inlet manifold:
Diameter of flange hole at carburettor 30 m.m.
Diameter of flange hole at port 24.584 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 21.32 m.m.
Diameter of flange hole at connection to silencer inlet pipe 26.40 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 25D
Method of advance and retard Centrifugal and Vacuum
Make of ignition coil Lucas Model HA 12
No. of ignition coils 1 Voltage 12
Make of dynamo Lucas Model C40
Voltage of dynamo 12 Maximum output 23 amps.
Make of starter motor Lucas Model M35G
Battery: No. fitted 1 Voltage 12 Capacity 38 amp. hour

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

Make of clutch Laycock Type Diaphragm
 Diameter of clutch plate 5.5" No. of plates 1
 Method of operating clutch Hydraulic
 Make of gearbox Rootes Type Indirect Constant Mesh
 No. of gearbox ratios 4 forward and reverse
 Method of operating gearshift Manual
 Location of gearshift On Floor
 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.	3.416	41/12						
2.	1.831	33/18						
3.	1.166	28/24						
4.	0.851	23/27						
5. Rev.	2.841	37/13						

Type of final drive Hypoid
 Type of differential Bevel Gear
 Final drive ratio 4.857 Alternatives 4.714 5.142
 No. of teeth 7-34 7-33 7-36
 Overdrive ratio, if fitted _____

WHEELS

Type Pressed Steel Weight 4.87 kg.
 Method of attachment 4 Studs
 Rim diameter 304 m.m. Rim width 104 m.m.
 Tyre size: Front 5.50" + 12" Rear 5.50" + 12"

BRAKES

Method of operation Hydraulic
 Is servo assistance fitted? Optional
 Type of servo, if fitted Girling
 No. of hydraulic master cylinders 1 Bore 178 m.m.

	Front		Rear	
No. of wheel cylinders	2		1	
Bore of wheel cylinders	178	m.m.	191	m.m.
Inside diameter of brake drums	2040	m.m.	2040	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	160.0	m.m.	160.0	m.m.
		m.m.		m.m.
Width	38.1	m.m.	38.1	m.m.
Total area per brake	6080	m.m. ²	6080	m.m. ²

SUSPENSION

	Front		Rear	
Type	Swing Axle		Trailing Arm	
Type of spring	Coil		Coil	
Is stabiliser fitted?	Optional		Optional	
Type of shock absorber	Telescopic		Telescopic	
No. of shock absorbers	2		2	

STEERING

Type of steering gear	Rack and Pinion	
Turning circle of car	8.5	m., approx.
No. of turns of steering wheel from lock to lock	2.75	

CAPACITIES AND DIMENSIONS

Fuel tank	27.276	litres	Sump	2.84	litres
Radiator	3.692	litres			
Overall length of car	352.81	cm.	Overall width of car	151.77	cm.
Overall height of car, unladen (with hood up, if appropriate)	136.13	cm.			
Distance from floor to top of windscreen:					
Highest point	101.6	cm.	Lowest point	97.79	cm.
Width of windscreen:					
Maximum width	111.76	cm.	Minimum width	106.68	cm.
*Interior width of car	121.92	cm.			
No. of seats	4				
Track: Front	124.66	cm.	Rear	121.67	cm.
Wheelbase	208.28	cm.	Ground clearance	13.97	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 590.48 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. Oil Cooler Available
2. S.U. Electric Fuel Pump Available (Africa and Australia)
3. Export Suspension with Sump Protective Shield Available.



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1204/A

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Federation Internationale de l'Automobile.

Amendment to Form of Recognition

Manufacturer..... HILLMAN MOTOR CAR COMPANY LTD.

Model..... IMP

- 4. Long Range Fuel Tank - Capacity 10 gallons (45 litres) now available. Part No. 6674525.

Handwritten signature
Schied
Saxel



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

Date amendment is valid from

11 April 1964

Form: R.F.I.B.

Losbe 10/4

Manufacturers Reference No. for Application

HILLIMP I



F.I.A. Recognition No.

1204/13

ROYAL AUTOMOBILE CLUB

PALL MALL, LONDON, S.W.1.

Federation Internationale de l'Automobile.

Amendment to Form of Recognition

Manufacturer..... HILLMAN MOTOR CAR CO. LTD.

Model..... HILLMAN IMP I

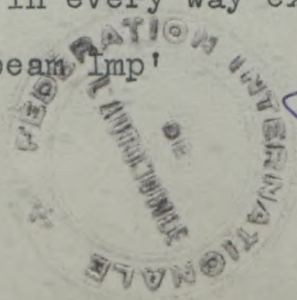
THE FOLLOWING CARBURETTOR SETTINGS HAVE BEEN FITTED TO LATER PRODUCTION MODELS OF THIS CAR:

SOLEX 30 PHIT -2/S 2019 and S2006 both have choke size 20m.m.
Flange size 30 m.m.
Main jet identification
no. 105

Change of Title (U.S.A. Only)

The car, identical in every way except badges is called

'Sunbeam Imp'



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

Date amendment is valid from

11/7/64

Form: R.F.I.B.

histe 11/2

Manufacturers Reference No. for Application

HILLIMP 1.



F.I.A. Recognition No. 1204. /C/V

ROYAL AUTOMOBILE CLUB

PALL MALL, LONDON, S.W.1.

Federation Internationale de l'Automobile.

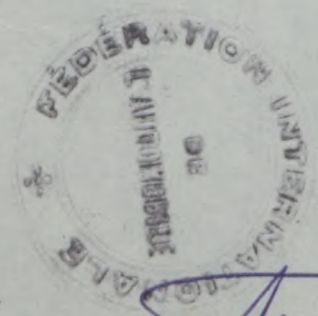
Amendment to Form of Recognition

Manufacturer Hillman Motor Car Company Limited.

Model Imp.

Alternative wheel size now available Part No. 7102604.
Rim width $4\frac{1}{2}$ ".
Increase in track front and rear $\frac{1}{2}$ inch.

Overall weight of car with water, oil and spare wheel,
but without fuel is 712 Kgs.



[Handwritten signature]

[Handwritten signatures: Schild, Groot, and others]

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

Date amendment is valid from 1^{er} février 1965

Form: R.F.I.B.
[Handwritten: liste 12/1]

Manufacturers Reference No. for Application

HILLIMP 1.



F.I.A. Recognition No.

1204

10/11

ROYAL AUTOMOBILE CLUB

PALL MALL, LONDON, S.W.1.

Federation Internationale de l'Automobile.

Amendment to Form of Recognition

Manufacturer..... Hillman Motor Car Company Limited.

Model..... Imp.

1. Manual Choke Carburettor now fitted to this model as standard equipment - Model Solex 30 PIH - B 15355. Part No. 7100560.
2. Optional gearbox now available giving ratios of:-

1st	3.416	No. of teeth.	41/12.
2nd	1.831	" "	33/18.
3rd	1.273	" "	22/28.
4th	.923	" "	26/24.
Rev.	2.841	" "	37/13.
3. Alternative final drive ratios previously homologated of 4.714 and 5.142:1 are no longer available.

Handwritten signatures and initials:
 - Blue ink signature: *James*
 - Blue ink signature: *Child*
 - Red ink signature: *W*
 - Blue ink signature: *W*
 - Blue ink signature: *Intant*
 - Blue ink mark: *x*



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

Date amendment is valid from

1 June 1965

Form: R.F.I.B.

Manufacturers Reference No. for Application

HILLIMP 1.



F.I.A. Recognition No.

1204

/E

ROYAL AUTOMOBILE CLUB

PALL MALL, LONDON, S.W.1.

Federation Internationale de l'Automobile.

Amendment to Form of Recognition

Manufacturer..... Hillman Motor Car Company Limited.

Model..... Imp.

The following optional equipment is now available for this car:

- 1. Magnesium alloy wheels 304.8 x 127 mm.

Giving no resulting increase in track of car.

Part No. 7096101.

Signature
Schild
Geleit
RFR
Dux

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



Date amendment is valid from.....

1/12/1965. liste
13/5

Form: R.F.I.B.

ROOTES GROUP

MANUFACTURING DIVISION
HUMBER LIMITED
HILLMAN MOTOR CAR CO LTD
SUNBEAM-TALBOT LTD
THRUPP & MABERLY LTD
COMMER CARS LTD
KARRIER MOTORS LTD
BRITISH LIGHT STEEL PRESSINGS LTD
TILLING-STEVENS LTD

HUMBER LTD
STOKE
COVENTRY

TELEPHONE . COVENTRY 52144 (20 LINES)
TELEGRAMS . HUMBER . COVENTRY

Name of Manufacturer: Rootes Group (Rootes (Scotland) Limited).

Name of Model: Hillman Imp 998/Singer Chamois 998
(marketed under title "Sunbeam Imp"/
"Sunbeam Chamois" in certain export
markets.

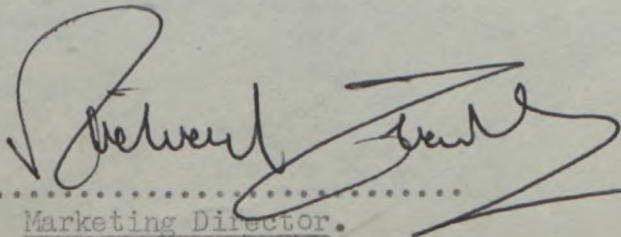
Manufacturer's Reference Number of Application: Rootes 998.

We certify that in excess of 500 cars identical with the basic specification stated in this application were completed on December 17th 1965.

Production commenced on 8th March 1965.

Cars conforming to this specification may be identified by :-

Chassis & Engine Nos: B.41/9/000001 or B.41/2/000001 or
B.44/2/000001 or B.73/3/000001,
followed in all cases by suffix T.


.....
Marketing Director.

21.12.65.

The Royal Automobile Club

153987

Pall Mall, London, S.W.1

Please address all Communications to

THE SECRETARY

Quoting the following Reference :

C/DHD/JMH/7438



Telegrams: AUTOMOBILE LONDON

Telephone: WHITEHALL 2345 (26 lines)

24th April, 1963.

Monsieur H. Schroeder,
Secretary, C.S.I.,
8 Place de la Concorde,
PARIS VIII
France

Dear Monsieur Schroeder,

Hillman Imp

I enclose herewith forms of recognition for the above car and would apply for its homologation as a touring car.

I confirm that over 1,000 cars have been manufactured to these basic specifications within a period of twelve months.

Yours sincerely,

D. H. DELAMONT
Manager, Competitions Department

The Royal Automobile Club

Pall Mall, London, S.W.1



Please address all Communications to
THE SECRETARY

Quoting the following Reference:

C

Telegrams: AUTOMOBILE LONDON
Telephone: WHITEHALL 2345 (26 lines)

1st April 1964

IMP

MANUFACTURERS REFERENCE NO: OF APPLICATION FOR HOMOLOGATION

HILLIMP 1

I certify that the necessary production of this car,
incorporating these amendments, has been achieved to enable
the addition of these amendments to the Form of Recognition.

D. H. Delamont
Manager, Competitions Department

The Royal Automobile Club

Pall Mall, London, S.W.1

Please address all Communications to

THE SECRETARY

Quoting the following Reference:

C



Telegrams: AUTOMOBILE LONDON

Telephone: WHITEHALL 2345 (26 lines)

HILLMAN IMP

MANUFACTURERS REFERENCE NO: OF APPLICATION FOR HOMOLOGATION

HILLIMP 1

I certify that the necessary production of this car, incorporating this amendment has been achieved to enable the addition of this amendment to the Form of Recognition.

D. H. Delamont
Manager, Competitions Department