



5TH CATEGORY - HISTORIC RACING

GROUP Nb

APPROVED VEHICLE SPECIFICATION

This form details the approved specifications of individual vehicle models in the 5th Category Historic car group. To be issued with a Historic Log Book, cars need to comply with these specifications, the physical appearance shown in the illustrations and the general historic rules as detailed in the current CAMS Manual of Motor Sport.

Make of Car: Hillman
Model: Imp Mk 1
Period of Original Manufacture: 1963 – 65
CAMS Historic Group: Nb
Date of issue of this document: Nov 2012



Refer to CAMS Manual of Motor Sport, Vehicle Eligibility, Historic Touring Cars, General Requirements & Nb Regulations for permitted modifications.

SECTION 1 - CHASSIS

1.1 CHASSIS FRAME

Description: Uni – body
Period of Manufacture: 1966 – 64
Manufacturer: Roots Group
Chassis no. from:
Chassis no. location: Front compartment
Material: Steel

1.2 FRONT SUSPENSION

Description: Independent, swing axles
Spring Medium: Coil
Damper Type: Telescopic **Adjustable:** No
Anti-sway bar: None
Suspension adjustable: No

1.3 REAR SUSPENSION

Description: Independent, trailing arms
Spring medium: Coil
Damper type: Telescopic **Adjustable:** No
Anti-sway bar: None
Suspension adjustable: No

1.4 STEERING

Type: Rack & pinion **Make:** Roots

1.5 BRAKES

	Front	Rear
Type:	Drum, twin leading shoe	Drum, single leading shoe
Dimensions:	203 X 28 mm	203 x 28 mm
Material:	Cast iron	Cast iron
No. cylinders/pots per wheel:	Two	One
Actuation:	Hydraulic	Hydraulic
Master cylinder make:	Girling	Type: Single
Adjustable bias:	No	
Servo Fitted:	No	

SECTION 2 - ENGINE

2.1 ENGINE

Make: Roots
Model: Imp
No. cylinders: Four
Configuration: In line
Cylinder block material: Alloy
Two/Four Stroke: Four
Bore - Original: Std 67.996 mm
Rally 72.54 mm
Stroke - original: 60.376 mm
Capacity - original: Std 877 cc
Rally 998 cc
Max. allowed: 1040cc
Cooling method: Liquid
Identifying marks: N/A

2.2 CYLINDER HEAD

Make: Roots
No. of valves/cylinder: Two
Inlet: One
Exhaust: One
No. of ports total: Eight
Inlet: Four
Exhaust: Four
No. of camshafts: One
Location: Head
Drive: Chain
Valve actuation: Buckets
Spark plugs/cylinder: One
Identifying marks: N/A

2.3 LUBRICATION

Method: Wet sump
Oil cooler standard: No

2.4 IGNITION SYSTEM

Type: Coil & distributor
Make: Lucas

2.5 FUEL SYSTEM

Carburettor Make: Solex
Model: B30 PHIT One
Carburettor number: One
Size: N/A

SECTION 3 - TRANSMISSION

3.1 CLUTCH

Make: Borg & Beck
Type: Diaphragm
Diameter: 5.5 inch
Actuation: Hydraulic
No. of Plates: One

3.2 TRANSMISSION

Type: Synchro – mesh
Make: Roots
No. forward speeds: Four
Gearbox location: Behind engine
Gear change type and location: Remote / floor
Case material: Alloy
Identifying marks: N/A

3.3 FINAL DRIVE

Make: Roots
Model: N/A
Type: Combined as transaxle
Wheel drive method: Rear
Ratios: Various
Differential type: Free / open

3.4 TRANSMISSION SHAFTS (EXPOSED)

Number: Two
Description: Halfshaft with donuts or universal

3.5 WHEELS & TYRES

Wheel type - Original:	Disc	Material - Original:	Steel
Allowed:	Cast	Allowed:	Alloy
Fixture method:	Studs	No. studs:	Four
Wheel dia. & rim width	FRONT	REAR	
Original:	12 x 4 inch	12 x 4 inch	
Allowed:	12 or 13 x 5 inch	12 or 13 x 5 inch	
Tyres original:	N/A	N/A	
Tyres allowed:	60% minimum aspect ratio, refer approved tyre list.		

SECTION 4 - GENERAL

4.1 FUEL SYSTEM

Tank Location:	Front compartment	Capacity:	27 litre
Fuel pump type and location:	Mechanical / engine	Make:	AC

4.2 ELECTRICAL SYSTEM

Voltage:	12	Generator or Alternator:	Generator
Battery Location:	Engine compartment		

4.3 BODYWORK

Type:	Closed touring	Material:	Steel
No. of seats:	Four	No. doors:	Two

4.4 DIMENSIONS

Track - Front:	1280 mm	Rear:	1250 mm
Wheelbase:	2100 mm	Overall length:	3500 mm
Dry weight:	630 Kg		

4.5 SAFETY EQUIPMENT

Refer applicable Group Regulations