



5TH CATEGORY - HISTORIC RACING
GROUP N
 APPROVED VEHICLE SPECIFICATION

This form details the approved specifications of individual vehicle models in the 5th Category Historic car group. To be issued with an 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 Motorsport Australia Manual.

Make of Car:	Hillman	Model:	Imp Mark 1
Period of Original Manufacture:	1963-1965		
Motorsport Australia Historic Group:	Nb		
Date of Issue of this Document:	1 January 2024		



Refer to The *Manual*, Historic Appendix, Vehicle Eligibility, General Requirements & Historic Touring Cars Group N Regulations for permitted modifications.

Update Log

1/1/2024	Inclusion of kerb and minimum racing weights

SECTION 1 - CHASSIS

1.1. CHASSIS

Description:	Uni – body
Period of Manufacture:	1963 – 1965
Manufacturer:	Rootes Group
Chassis Number From:	N/A
Chassis Number location:	Front compartment
Material:	Steel
Comments	None

1.2. FRONT SUSPENSION

Description:	Independent - swing axles		
Spring Medium:	Coil		
Damper Type:	Telescopic	Adjustable:	No
Anti-sway bar:	None	Adjustable:	No
Suspension adjustable:	No	Method:	N/A
Comments:	Refer to Appendix A		

1.3. REAR SUSPENSION

Description:	Independent - trailing arms		
Spring Medium:	Coil		
Damper Type:	Telescopic	Adjustable:	No
Anti-sway bar:	None	Adjustable:	No
Suspension adjustable:	No	Method:	N/A
Comments:	Refer to Appendix A		

1.4. STEERING

Type:	Rack and pinion	Make:	Rootes
Comments	None		

1.5. BRAKES

	Front	Rear
Type:	Drum, twin leading shoe	Drum, single leading shoe
Dimensions:	203 mm x 28 mm	203 mm x 28 mm
Material of drum/disc:	Cast iron	Cast iron
No. cylinders/pots per wheel:	Two	One
Actuation:	Hydraulic	Hydraulic
Caliper make:	N/A	
Caliper type:	N/A	
Material:	N/A	
Master cylinder make:	Girling	
Type:	Single	
Adjustable bias:	No	
Servo Fitted:	No	
Comments:	None	

SECTION 2 - ENGINE

2.1. ENGINE

Make:	Rootes		
Model:	Imp		
No. cylinders:	Four	Configuration:	In-line
Cylinder Block-material:	Alloy	Two/Four Stroke:	Four
Standard - Bore - Original:	67.996 mm	Max allowed:	69.5 mm
Standard - Stroke - original:	60.376 mm	Max allowed:	60.376 mm
Standard - Capacity - original:	877 cc	Max allowed:	1040 cc
Rally - Bore - Original:	72.54 mm	Max allowed:	72.54 mm
Rally - Stroke - original:	60.376	Max allowed:	60.376 mm
Rally - Capacity - original:	998 cc	Max allowed:	1040 cc
Identifying marks:	N/A		
Cooling method:	Liquid		
Comments:	None		

2.2. CYLINDER HEAD

Make:	Rootes				
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:	Direct by Buckets				
Spark plugs/cylinder:	One				
Identifying marks:	N/A				
Comments:	None				

2.3. LUBRICATION

Method:	Wet sump	Oil tank location:	N/A
Dry sump pump type:	N/A	Location:	N/A
Oil cooler standard:	No	Location:	N/A
Comments:	None		

2.4. IGNITION SYSTEM

Type:	Points, coil & distributor
Make:	Lucas
Comments	Breakerless electronic ignition permitted

2.5. FUEL SYSTEM

Carburettor Make:	Solex	Model:	B30 PIHT
Carburettor Number:	One		
Size:	Various		
Fuel injection Make:	N/A	Type:	N/A
Supercharged:	No	Type:	N/A
Comments:	None		

SECTION 3 - TRANSMISSION

3.1. CLUTCH

Make:	Borg & Beck
Type:	Diaphragm
Diameter:	140 mm
No. of Plates:	One
Actuation:	Hydraulic
Comments:	None

3.2. TRANSMISSION

Type:	Synchromesh
Make:	Rootes
Gearbox location:	Behind engine
No. forward speeds:	Four
Gearchange type and location:	H pattern floor mounted
Case material:	Alloy
Identifying marks:	N/A
Comments:	None

3.3. FINAL DRIVE

Make:	Rootes	Model:	N/A
Type:	Combined as transaxle		
Ratios:	Various		
Differential type:	Free/open		
Comments:	None		

3.4. TRANSMISSION SHAFTS (EXPOSED)

Number:	Two
Location:	Transaxle
Description:	Halfshafts with donuts or universal joints
Comments:	None

3.5. WHEELS & TYRES

Wheel type - Original:	Pressed disc	Material - Original:	Steel
Wheel type - Allowed:	Steel Alloy (period style)	Material - Allowed:	Steel Alloy
Fixture method:	Four	No. studs:	Four
Wheel dia. & rim width	FRONT		REAR
Original:	4" x 12"		4" x 12"
Allowed	5" x 12" 5" x 13"		5" x 12" 5" x 13"
Tyre Section:			
Allowed:	Refer approved tyre list.		
Aspect ratio - minimum:	60% minimum aspect ratio.		
Comments:	None		

SECTION 4 GENERAL

4.1. FUEL SYSTEM

Tank Location:	Front compartment	Capacity:	27 litres
Fuel pump, type:	Mechanical on engine block	Make:	AC
Comments:	None		

4.2. ELECTRICAL SYSTEM

Voltage:	12	Alternator fitted:	Generator
Battery Location:	Engine compartment		
Comments:	None		

4.3. BODYWORK

Type:	Closed touring	Material:	Steel
No. of seats:	Four	No. doors:	Two
Comments:	None		

4.4. DIMENSIONS

Track - Front:	1280 mm	Rear:	1250 mm
Wheelbase:	2100 mm	Overall length:	3500 mm
Approved Manufacturer's kerb weight:	698 kgs		
Approved minimum racing weight:	677 kgs		
Comments:	None		

4.5. SAFETY EQUIPMENT

Refer applicable Group Regulations

Appendix A

Suspension

Front

Spring height adjustment permitted.

Rear

Spring height adjustment permitted.