



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.

<b>Make of Car:</b>	Hillman	<b>Model:</b>	Imp Mark 2
<b>Period of Original Manufacture:</b>	1965-1969		
<b>Motorsport Australia Historic Group:</b>	Nb		
<b>Date of Issue of this Document:</b>	27 September 2021		



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

***Update Log***


## SECTION 1 - CHASSIS

### 1.1. CHASSIS

<b>Description:</b>	Uni – body
<b>Period of Manufacture:</b>	1965 – 1969
<b>Manufacturer:</b>	Rootes Group
<b>Chassis Number From:</b>	N/A
<b>Chassis Number location:</b>	Front compartment
<b>Material:</b>	Steel
<b>Comments</b>	None

### 1.2. FRONT SUSPENSION

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

### 1.3. REAR SUSPENSION

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

### 1.4. STEERING

<b>Type:</b>	Rack and pinion	<b>Make:</b>	Rootes
<b>Comments</b>	None		

### 1.5. BRAKES

	Front	Rear
<b>Type:</b>	Drum, twin leading shoe Disc, solid	Drum, single leading shoe
<b>Dimensions:</b>	203 mm x 38 mm – Drum 210 mm x 8 mm – disc	203 mm x 38 mm
<b>Material of drum/disc:</b>	Cast iron	Cast iron
<b>No. cylinders/pots per wheel:</b>	Two	One
<b>Actuation:</b>	Hydraulic	Hydraulic
<b>Caliper make:</b>	Girling	
<b>Caliper type:</b>	Fixed	
<b>Material:</b>	Cast iron	
<b>Master cylinder make:</b>	Girling	
<b>Type:</b>	Single	
<b>Adjustable bias:</b>	No	
<b>Servo Fitted:</b>	No	
<b>Comments:</b>	None	

## SECTION 2 - ENGINE

### 2.1. ENGINE

<b>Make:</b>	Rootes		
<b>Model:</b>	Imp		
<b>No. cylinders:</b>	Four	<b>Configuration:</b>	In-line
<b>Cylinder Block-material:</b>	Alloy	<b>Two/Four Stroke:</b>	Four
<b>Standard - Bore - Original:</b>	68 mm	<b>Max allowed:</b>	69.5 mm
<b>Standard - Stroke - original:</b>	60.4 mm	<b>Max allowed:</b>	60.4 mm
<b>Standard - Capacity - original:</b>	875 cc	<b>Max allowed:</b>	909 cc
<b>Optional - Bore - Original:</b>	72.55 mm	<b>Max allowed:</b>	72.55 mm
<b>Optional - Stroke - original:</b>	60.4 mm	<b>Max allowed:</b>	60.4 mm
<b>Optional - Capacity - original:</b>	998 cc	<b>Max allowed:</b>	998 cc
<b>Identifying marks:</b>	N/A		
<b>Cooling method:</b>	Liquid		
<b>Comments:</b>	None		

### 2.2. CYLINDER HEAD

<b>Make:</b>	Rootes				
<b>No. of valves/cylinder:</b>	Two	<b>Inlet:</b>	One	<b>Exhaust:</b>	One
<b>No. of ports total:</b>	Eight	<b>Inlet:</b>	Four	<b>Exhaust:</b>	Four
<b>No. of camshafts:</b>	One	<b>Location:</b>	Head	<b>Drive:</b>	Chain
<b>Valve actuation:</b>	Direct by Buckets				
<b>Spark plugs/cylinder:</b>	One				
<b>Identifying marks:</b>	N/A				
<b>Comments:</b>	Radiator must remain located in engine compartment				

### 2.3. LUBRICATION

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

### 2.4. IGNITION SYSTEM

<b>Type:</b>	Points, coil & distributor
<b>Make:</b>	Lucas
<b>Comments:</b>	Breakerless electronic ignition permitted

### 2.5. FUEL SYSTEM

<b>Carburettor Make:</b>	Solex	<b>Model:</b>	B30 PIHT
<b>Carburettor Make:</b>	Stromberg	<b>Model:</b>	125 CD
<b>Carburettor Number:</b>	One – Solex Two - Stromberg		
<b>Size:</b>	Various		
<b>Fuel injection Make:</b>	N/A	<b>Type:</b>	N/A
<b>Supercharged:</b>	No	<b>Type:</b>	N/A
<b>Comments:</b>	None		

**SECTION 3 - TRANSMISSION**

**3.1. CLUTCH**

<b>Make:</b>	Borg & Beck
<b>Type:</b>	Diaphragm
<b>Diameter:</b>	159 mm
<b>No. of Plates:</b>	One
<b>Actuation:</b>	Hydraulic
<b>Comments:</b>	None

**3.2. TRANSMISSION**

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

**3.3. FINAL DRIVE**

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

**3.4. TRANSMISSION SHAFTS (EXPOSED)**

<b>Number:</b>	Two
<b>Location:</b>	Transaxle
<b>Description:</b>	Halfshafts with donuts or universal joints
<b>Comments:</b>	None

**3.5. WHEELS & TYRES**

<b>Wheel type - Original:</b>	Pressed disc	<b>Material - Original:</b>	Steel
<b>Wheel type - Allowed:</b>	Steel Alloy (period style)	<b>Material - Allowed:</b>	Steel Alloy
<b>Fixture method:</b>	Four	<b>No. studs:</b>	Four
<b>Wheel dia. &amp; rim width</b>	<b>FRONT</b>		<b>REAR</b>
<b>Original:</b>	4" x 12"		4" x 12"
<b>Allowed</b>	6" x 12" 6" x 13"		6" x 12" 6" x 13"
<b>Tyre Section:</b>			
<b>Allowed:</b>	Refer approved tyre list.		
<b>Aspect ratio - minimum:</b>	60% minimum aspect ratio.		
<b>Comments:</b>	None		

## SECTION 4 GENERAL

### 4.1. FUEL SYSTEM

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

### 4.2. ELECTRICAL SYSTEM

<b>Voltage:</b>	12	<b>Alternator fitted:</b>	Generator
<b>Battery Location:</b>	Engine compartment		
<b>Comments:</b>	None		

### 4.3. BODYWORK

<b>Type:</b>	Closed touring	<b>Material:</b>	Steel
<b>No. of seats:</b>	Four	<b>No. doors:</b>	Two
<b>Comments:</b>	None		

### 4.4. DIMENSIONS

<b>Track - Front:</b>	1280 mm	<b>Rear:</b>	1250 mm
<b>Wheelbase:</b>	2100 mm	<b>Overall length:</b>	3500 mm
<b>Dry weight:</b>	630 kg		
<b>Comments:</b>	None		

### 4.5. SAFETY EQUIPMENT

Refer applicable Group Regulations
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**Appendix A**

**Suspension**

**Front**

Spring height adjustment permitted.

**Rear**

Spring height adjustment permitted.