



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>	Mazda	<b>Model:</b>	1300 STB
<b>Period of Original Manufacture:</b>	1970 – 1974		
<b>Motorsport Australia Historic Group:</b>	Nc		
<b>Date of Issue of this Document:</b>	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

<b>Description:</b>	Unitary construction - Two door coupe or four door sedan
<b>Period of Manufacture:</b>	1970 – 1974
<b>Manufacturer:</b>	Toyo Kogyo
<b>Chassis Number From:</b>	STB
<b>Chassis Number location:</b>	Firewall
<b>Material:</b>	Steel
<b>Comments</b>	None

### 1.1. FRONT SUSPENSION

<b>Description:</b>	Independent - by McPherson Strut		
<b>Spring Medium:</b>	Coil		
<b>Damper Type:</b>	Telescopic incorporated in strut	<b>Adjustable:</b>	Yes
<b>Anti-sway bar:</b>	Yes - Integral with lower arms	<b>Adjustable:</b>	Yes
<b>Suspension adjustable:</b>	Yes	<b>Method:</b>	Caster, camber and toe
<b>Comments:</b>	Refer Appendix A		

### 1.2. REAR SUSPENSION

<b>Description:</b>	Live rear axle with four links plus Panhard rod		
<b>Spring Medium:</b>	Coil		
<b>Damper Type:</b>	Telescopic	<b>Adjustable:</b>	No
<b>Anti-sway bar:</b>	No	<b>Adjustable:</b>	N/A
<b>Suspension adjustable:</b>	Yes	<b>Method:</b>	Spring height
<b>Comments:</b>	Refer Appendix A		

### 1.3. STEERING

<b>Type:</b>	Ball and nut	<b>Make:</b>	Mazda
<b>Comments</b>	None		

### 1.4. BRAKES

	Front	Rear
<b>Type:</b>	Disc, solid	Drum
<b>Dimensions:</b>	244 mm x 10 mm	200 mm x 32 mm
<b>Material of drum/disc:</b>	Cast iron	Cast iron
<b>No. cylinders/pots per wheel:</b>	Two	Two
<b>Actuation:</b>	Hydraulic	Hydraulic
<b>Caliper make:</b>	Sumitomo	
<b>Caliper type:</b>	Sliding	
<b>Material:</b>	Cast iron	
<b>Master cylinder make:</b>	Mazda	
<b>Type:</b>	Tandem	
<b>Adjustable bias:</b>	No	
<b>Servo Fitted:</b>	Yes	
<b>Comments:</b>	None	

## SECTION 2 - ENGINE

### 2.1. ENGINE

<b>Make:</b>	Toyo Kogyo - Mazda		
<b>Model:</b>	TC		
<b>No. cylinders:</b>	Four	<b>Configuration:</b>	In-line
<b>Cylinder Block-material:</b>	Cast iron	<b>Two/Four Stroke:</b>	Four
<b>Bore - Original:</b>	73 mm	<b>Max allowed:</b>	74.5 mm
<b>Stroke - original:</b>	76 mm	<b>Max allowed:</b>	76 mm
<b>Chamber Capacity - original:</b>	1272 cc	<b>Max allowed:</b>	1332 cc
<b>Identifying marks:</b>	TC On passenger side of the block		
<b>Cooling method:</b>	Liquid		
<b>Comments:</b>	None		

### 2.2. CYLINDER HEAD

<b>Make:</b>	Toyo Kogyo – Mazda				
<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>	OHC				
<b>Spark plugs/cylinder:</b>	One				
<b>Identifying marks:</b>	TC stamped on front head				
<b>Comments:</b>	None				

### 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>	Mitsubishi
<b>Comments</b>	Breakerless electronic ignition permitted

### 2.5. FUEL SYSTEM

<b>Carburettor Make:</b>	Hitachi	<b>Model:</b>	Twin throat
<b>Carburettor Number:</b>	One		
<b>Size:</b>	27/22		
<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>	Mazda
<b>Type:</b>	Diaphragm
<b>Diameter:</b>	185 mm
<b>No. of Plates:</b>	One
<b>Actuation:</b>	Hydraulic
<b>Comments:</b>	None

**3.2. TRANSMISSION**

<b>Type:</b>	Four speed synchromesh
<b>Make:</b>	Mazda
<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>	Mazda	<b>Model:</b>	R100
<b>Type:</b>	Live axle		
<b>Ratios:</b>	Various		
<b>Differential type:</b>	Semi floating, hypoid		
<b>Comments:</b>	None		

**3.4. TRANSMISSION SHAFTS (EXPOSED)**

<b>Number:</b>	One
<b>Location:</b>	Gearbox to final drive
<b>Description:</b>	Open tail shaft with twin uni 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>	Bolt on	<b>No. studs:</b>	Four
<b>Wheel dia. &amp; rim width</b>	<b>FRONT</b>		<b>REAR</b>
<b>Original:</b>	4.5" x 13"		4.5" x 13"
<b>Allowed</b>	6" x 13"		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>	In boot	<b>Capacity:</b>	45 litres
<b>Fuel pump, type:</b>	Mechanical, on block	<b>Make:</b>	Hitachi
<b>Comments:</b>	None		

### 4.2. ELECTRICAL SYSTEM

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

### 4.3. BODYWORK

<b>Type:</b>	Coupe or sedan	<b>Material:</b>	Steel
<b>No. of seats:</b>	Four	<b>No. doors:</b>	Two or four
<b>Comments:</b>	None		

### 4.4. DIMENSIONS

<b>Track - Front:</b>	1210 mm	<b>Rear:</b>	1090 mm
<b>Wheelbase:</b>	2260 mm	<b>Overall length:</b>	3795 mm
<b>Approved Manufacturer's kerb weight:</b>	780 kgs		
<b>Approved minimum racing weight:</b>	757 kgs		
<b>Comments:</b>	This chassis is shared with the R100 and 1200. The dimensions are the same and did not change until the wider FA3TS was released in 1974		

### 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.