



5TH CATEGORY - HISTORIC RACING

**GROUP Nc**

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:** Mazda **Model:** RX 2 Series 1 & 2  
**Period of Original Manufacture:** 10 / 1970 to 4 / 1974  
**CAMS Historic Group:** Nc  
**Date of issue of this document:** September 2013  
**Comments:** Latest specification allowed is 1972 Series II.



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

## **SECTION 1 - CHASSIS**

### **1.1 CHASSIS FRAME**

**Description:** Two Dr coupe or four Dr sedan, uni body  
**Period of Manufacture:** 10/ 1970 to 04/1976  
**Manufacturer:** Toyo Kogyo  
**Chassis no. from:** S122A\*\*\*\*\*  
**Material:** Steel

### **1.2 FRONT SUSPENSION**

**Description:** Independent, McPherson strut  
**Spring Medium:** Coil  
**Damper Type:** Telescopic **Adjustable:** No  
**Anti-sway bar:** Fitted **Adjustable:** No  
**Suspension adjustable:** No

### **1.3 REAR SUSPENSION**

**Description:** Live axle with four links plus Panhard rod  
**Spring medium:** Coil  
**Damper type:** Telescopic **Adjustable:** No  
**Anti-sway bar:** No  
**Suspension adjustable:** No

### **1.4 STEERING**

**Type:** Ball & Nut **Make:** Mazda

### **1.5 BRAKES**

	<b>Front</b>	<b>Rear</b>
<b>Type:</b>	Disc, solid	Drum
<b>Dimensions:</b>	230 x 12 mm	200 x 32 mm
<b>Material:</b>	Cast iron	Cast iron
<b>No. cylinders/pots per wheel:</b>	One	Two
<b>Actuation:</b>	Hydraulic	Hydraulic
<b>Caliper Make:</b>	Mazda	
<b>Caliper Type:</b>		
<b>Caliper Material:</b>	Cast iron	
<b>Master cylinder make:</b>	Mazda	<b>Type:</b> Tandem
<b>Adjustable bias:</b>	No	
<b>Servo Fitted:</b>	Yes	

## **SECTION 2 - ENGINE**

### **2.1 ENGINE**

<b>Make:</b>	Toyo Kogyo	<b>Configuration:</b>	In line
<b>Model:</b>	12A	<b>Two/Four Stroke:</b>	Four
<b>No. Rotors:</b>	Two	<b>Max. allowed:</b>	2063cc
<b>Cylinder block material:</b>	Cast & Alloy		
<b>Capacity - original:</b>	1146 X 1.8 = 2063cc		
<b>Cooling method:</b>	Water		
<b>Identifying marks:</b>	N/A		
<b>Comments:</b>	Component substitution of 1973 RX2 single distributor-housing 12B engine allowed to replace 1972 twin distributor 12A engine.		

### **2.3 LUBRICATION**

<b>Method:</b>	Direct injection	<b>Oil Tank Location:</b>	Sump
<b>Oil cooler standard:</b>	Yes	<b>Location:</b>	N/A

### **2.4 IGNITION SYSTEM**

<b>Type:</b>	Coil & distributor, single or twin
<b>Make:</b>	Mazda

### **2.5 FUEL SYSTEM**

<b>Carburettor Make:</b>	Nikki	<b>Model:</b>	210284 – 831
<b>Carburettor number:</b>	One	<b>Type:</b>	Four barrel

#### **Comments:**

Replacement carburettors available in period may be used.  
When using period replacement carburettor or carburettors, only one choke per rotor allowed.

## **SECTION 3 - TRANSMISSION**

### **3.1 CLUTCH**

<b>Make:</b>	Mazda	<b>No. of Plates:</b>	One
<b>Type:</b>	Diaphragm		
<b>Diameter:</b>	215 mm		
<b>Actuation:</b>	Hydraulic		

### **3.2 TRANSMISSION**

<b>Type:</b>	Synchromesh		
<b>Make:</b>	Mazda		
<b>No. forward speeds:</b>	Four	<b>Gearbox location:</b>	Behind engine
<b>Gear change type and location:</b>	Remote, floor		
<b>Case material:</b>	Aluminium	<b>Identifying marks:</b>	N/A

### **3.3 FINAL DRIVE**

<b>Make:</b>	Mazda	<b>Model:</b>	RX2
<b>Type:</b>	Live axle		
<b>Wheel drive method:</b>	Rear		
<b>Ratios:</b>	Various		
<b>Differential type:</b>	Free / open		

### **3.4 TRANSMISSION SHAFTS (EXPOSED)**

**Number:** One  
**Description:** Open tail shaft with twin universals

### **3.5 WHEELS & TYRES**

<b>Wheel type - Original:</b>	Disc	<b>Material - Original:</b>	Steel
<b>Allowed:</b>	Period cast	<b>Allowed:</b>	Alloy
<b>Fixture method:</b>	Nuts	<b>No. studs:</b>	Four
<b>Wheel dia. &amp; rim width:</b>	<b>FRONT</b>		<b>REAR</b>
<b>Original:</b>	4 x 13 inch		4 x 13 inch
<b>Allowed:</b>	7 x 13 inch		7 x 13 inch
<b>Tyres original:</b>	155 x 13		155 x 13
<b>Tyres allowed:</b>	60% minimum aspect ratio, refer approved tyre list.		

## **SECTION 4 - GENERAL**

### **4.1 FUEL SYSTEM**

<b>Tank Location:</b>	Rear, Boot floor	<b>Capacity:</b>	65 litre
<b>Fuel pump type and location:</b>	Electric	<b>Make:</b>	Mazda

### **4.2 ELECTRICAL SYSTEM**

<b>Voltage:</b>	Twelve	<b>Alternator:</b>	Fitted
<b>Battery Location:</b>	Engine bay		

### **4.3 BODYWORK**

<b>Type:</b>	Coupe or sedan	<b>Material:</b>	Steel
<b>No. of seats:</b>	Five	<b>No. doors:</b>	Two or four
<b>Comments:</b>	Spare wheel in boot		

### **4.4 DIMENSIONS**

<b>Track - Front:</b>	1285 mm	<b>Rear:</b>	1280 mm
<b>Wheelbase:</b>	2470 mm	<b>Overall length:</b>	4150 mm
<b>Dry weight:</b>	900kg		

### **4.5 SAFETY EQUIPMENT**

**Refer applicable Group Regulations**