



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

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

SECTION 2 - ENGINE

2.1 ENGINE

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

2.3 LUBRICATION

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

2.4 IGNITION SYSTEM

Type:	Coil & distributor, single or twin
Make:	Mazda

2.5 FUEL SYSTEM

Carburettor Make:	Nikki	Model:	210284 – 831
Carburettor number:	One	Type:	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

Make:	Mazda	No. of Plates:	One
Type:	Diaphragm		
Diameter:	215 mm		
Actuation:	Hydraulic		

3.2 TRANSMISSION

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

3.3 FINAL DRIVE

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

3.4 TRANSMISSION SHAFTS (EXPOSED)

Number: One
Description: Open tail shaft with twin universals

3.5 WHEELS & TYRES

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

SECTION 4 - GENERAL

4.1 FUEL SYSTEM

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

4.2 ELECTRICAL SYSTEM

Voltage:	Twelve	Alternator:	Fitted
Battery Location:	Engine bay		

4.3 BODYWORK

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

4.4 DIMENSIONS

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

4.5 SAFETY EQUIPMENT

Refer applicable Group Regulations