



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 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 CAMS Manual of Motor Sport.

Make of Car: Mazda **Model:** R100

Period of Original Manufacture: .1968/12-71.

CAMS Historic Group: Nc

Date of Issue of this Document: 25th March 2004



SECTION 1 - CHASSIS

1.1 CHASSIS FRAME

Description: Unitary Construction
Manufacturer: Toyo Kogyo
Chassis no. from: M10A-10001
Chassis no. location: Above Brake M/Cyl.
Material: Steel
Comments:

Period of Manufacture:
1968/12-1971.

1.2 FRONT SUSPENSION

Description: Independent – McPherson Strut.
Spring medium: Coil
Damper Type: Telescopic - Internal
Anti-sway bar: Fitted
Suspension adjustable: No
Comments: Spring Rates and Ride Height Free

Adjustable: No
Adjustable: No
Method: N/A

1.3 REAR SUSPENSION

Description: Live Axle
Spring medium: Semi- Elliptic Leaf
Damper type: Telescopic
Anti-sway bar: Not Fitted
Suspension adjustable: No
Comments: Spring Rates and Ride Height free..Externally adjustable shock absorbers not permitted . Otherwise free.

Adjustable: Optional
Adjustable: N/A
Method: N/A

1.4 STEERING

Type Ball and Nut. **Make:** Mazda
Comments:

1.5 BRAKES

	Front	Rear
Type:	Disc	Drum
Dimensions:	244x10mm	200x32mm
Material of drum/disc	Cast Iron	Cast Iron
No. cylinders/pots per wheel:	2	2
Actuation:	Hydraulic	Hydraulic
Caliper: Make, Material, Type:	Mazda- Cast Iron	
Master cylinder make:	Mazda	Type Tandem
Adjustable bias:	No	
Servo Fitted:	Yes	

Comments: Dual M/Cylinders permitted, Servo may be rendered inoperative. Components may be replaced with those from another Prod. .Touring Car produced before 31/12/1972.

SECTION 2 - ENGINE

2.1 ENGINE

Make: Toyo Kogyo – Mazda.
Model: 10A
No. cylinders: 2 Rotor – 6 Chamber
Cylinder Block-material: Alloy
Configuration: Rotary
Four Stroke: N/A
Bore - Original: N/A
Stroke - original: N/A
Capacity original: .Chamber Capacity 491cc. Capacity equivalent(x1.8) 1767cc
Max. allowed:
Max. allowed:
Max. allowed: 1767cc
Cooling method: Water
Identifying marks: 10A

Comments: Mild/Extend Porting is permitted. Engine must be sealed by a CAMS accredited officer.

2.2 CYLINDER HEAD N/A

Make:
No. of valves/cylinder:
No. of ports total:
No. of camshafts:
Valve actuation:
Spark plugs/cylinder:
Identifying marks:
Comments:

Inlet:
Inlet:
Location:

Exhaust:
Exhaust:
Drive:

2.3 LUBRICATION

Method: Direct Injection
Dry sump pump type: N/A
Oil cooler standard: No
Comments:

Oil tank location: N/A
Location: N/A
Location: N/A

2.4 IGNITION SYSTEM

Type: Coil & Distributor (Twin Distributor Engine)
Make:
Comments:

2.5 FUEL SYSTEM

Carburettor: Make: Hitachi
Fuel injection Make: N/A
Supercharged: N/A
Comments: Carburettor may be replaced by Carburettor/s of a make/type available in the period. Multiple carburettors may be fitted in the ratio of one choke per rotor.

Model: KCB306(26/30)
Type: N/A
Type: N/A

SECTION 3 - TRANSMISSION

3.1 CLUTCH

Make: Mazda **Type:** Diaphragm **Diameter:** 203mm
No. of Plates: 1
Actuation: Hydraulic
Comments: Clutch and method of actuation are free.

3.2 TRANSMISSION

Type: Four/Five Speed Synchromesh
Make: Mazda
No. forward speeds: 4 or 5 **Gearbox location:** Behind Engine
Gearchange type and location: Floor Remote
Case material: Cast Iron **Identifying marks:**
Comments: Four and Five Speed Gearboxes fitted. Ratios free.

3.3 FINAL DRIVE

Make: Mazda **Model:** R100
Wheel drive method: Rear
Ratios: Various
Differential: Free **Type:** Hypoid Bevel
Comments: Ratios free. Limited Slip Differential permitted.

3.4 TRANSMISSION SHAFTS (EXPOSED)

Number: 1 **Location:** Gearbox to Final Drive.
Description: Tubular Tailshaft
Comments:

3.5 WHEELS & TYRES

Wheel type: Original:	Pressed Steel	Material:
		Original: Steel
Allowed:	Steel or Alloy	Allowed: Steel or Alloy
Fixture method:	Bolt On	No. studs: 4
	FRONT	REAR
Wheel dia. & rim width	4.5x13 or 14	4.5x13 or 14
Original:		
Allowed	7x13 or 14	7x13 or 14
Tyre Section:		
Original:	165x13 or 14	165x13 or 14
Allowed		
Aspect ratio - minimum:	60%	60%
Comments:	Wheels /Tyres are confined to dimensions which fit within wheel arches. Period alloy wheels permitted	

SECTION 4 - GENERAL

4.1 FUEL SYSTEM

Tank Location: Rear Capacity: 40 Litres
Fuel pump, type and location: Electric Make:
Comments: Fuel pump/ s free

4.2 ELECTRICAL SYSTEM

Voltage: 12 Dynamo/Alternator:
Battery Location: Engine Bay Alternator
Comments:

4.3 BODYWORK

Type: Two Door Coupe Material: Steel
No. of seats: 4 No. doors: 2
Comments:

4.4 DIMENSIONS

Track - Front: 1200mm Rear: 1190mm
Wheelbase: 2260mm Overall length: 3830mm
Dry weight: 755kg.
Comments:

4.5 SAFETY EQUIPMENT :

Fire Extinguisher: required. Refer Schedule H
Seat Belt : required. Refer Schedule I
Roll Bar : required. Refer Schedule J & Art.
3 General Regulations.
Elect. Cut Off Switch: required.
Safety Fuel Tank: optional.