



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: Toyota

Model: Corolla KE-11

Period of Original Manufacture: .1969-70

CAMS Historic Group: Nc

Date of Issue of this Document: May 2004



SECTION 1 - CHASSIS

1.1 CHASSIS FRAME

Description: Unitary Construction **Period of Manufacture:** *
Manufacturer: Toyota 1969-70
Chassis no. from: KE-11 000001
Chassis no. location: Firewall.
Material: Steel
Comments:

1.2 FRONT SUSPENSION

Description: Independent – McPherson Strut.
Spring medium: Coil
Damper Type: Telescopic - Internal **Adjustable:** No
Anti-sway bar: Not Fitted **Adjustable:** N/A.
Suspension adjustable: No **Method:** N/A
Comments: Spring Rates and Ride Height Free. Anti-Sway Bar may be fitted. Refer Group Nc regulations for permitted modifications

1.3 REAR SUSPENSION

Description: Live Axle
Spring medium: Semi- Elliptic Leaf
Damper type: Telescopic **Adjustable:** No
Anti-sway bar: Not Fitted **Adjustable:** N/A
Suspension adjustable: No **Method:** N/A
Comments: Spring Rates and Ride Height free. Externally adjustable Shock Absorbers not permitted . Otherwise free. Anti-Sway Bar may be fitted. Refer Group Nc regulations for permitted modifications.

1.4 STEERING

Type Worm & Sector **Make:** Toyota
Comments:

1.5 BRAKES

	Front	Rear
Type:	Disc	Drum
Dimensions:	200x10mm	200x30mm
Material of drum/disc	Cast Iron	Cast Iron
No. cylinders/pots per wheel:	2	1
Actuation:	Hydraulic	Hydraulic
Caliper: Make, Material, Type:	Toyota- Cast Iron	
Master cylinder make:	Toyota	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. Refer Group Nc regulations for permitted modifications.

SECTION 2 - ENGINE

2.1 ENGINE

Make: Toyota
Model: 3K
No. cylinders: 4 **Configuration:** In Line
Cylinder Block- material: Cast Iron **Four Stroke**
Bore - Original: 75mm **Max. allowed:** 76.5mm
Stroke - original: 66mm **Max. allowed:** 66mm
Capacity - original: .1166cc **Max. allowed:** 1213cc
Cooling method: Water
Identifying marks:
Comments: Refer Group Nc regulations for permitted modifications.

2.2 CYLINDER HEAD

Make: Toyota
No. of valves/cylinder- **Inlet:** 1 **Exhaust:** 1
No. of ports total: 8 **Inlet:** 4 **Exhaust:** 4
No. of camshafts: 1 **Location:** Block **Drive:** Chain
Valve actuation: Pushrod
Spark plugs/cylinder: 1
Identifying marks:
Comments: Refer Group Nc regulations for permitted modifications.

2.3 LUBRICATION

Method: Wet Sump **Oil tank location:** N/A
Dry sump pump type: N/A **Location:** N/A
Oil cooler standard: No **Location:** N/A
Comments: Oil Cooler may be fitted. Refer Group Nc regulations for permitted modifications.

2.4 IGNITION SYSTEM

Type: Coil & Distributor
Make: Nippondenso
Comments:

2.5 FUEL SYSTEM

Carburettor: Make: Aisan **Model:** 3K-B 28mm
Fuel injection Make: N/A **Type:** N/A
Supercharged: N/A **Type:** 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 cylinder

SECTION 3 - TRANSMISSION

3.1 CLUTCH

Make: Toyota **Type:** Diaphragm **Diameter:** 183mm
No. of Plates: 1
Actuation: Mechanical
Comments: Clutch and method of actuation are free. Refer Group Nc regulations for permitted modifications.

3.2 TRANSMISSION

Type: Four Speed Synchromesh
Make: Toyota
No. forward speeds: 4 **Gearbox location:** Behind Engine
Gearchange type and location: Floor Remote
Case material: Alloy **Identifying marks:**
Comments: Ratios free. Refer Group Nc regulations for permitted modifications.

3.3 FINAL DRIVE

Make: Toyota **Model:** KE
Wheel drive method: Rear
Ratios: Various
Differential: Free **Type:** Hypoid Bevel
Comments: Ratios free. Limited Slip Differential permitted. Refer Group Nc regulations for permitted modifications.

3.4 TRANSMISSION SHAFTS (EXPOSED)

Number: 1 **Location:** Gearbox to Final Drive.
Description: Tubular Tailshaft
Comments: Refer Group Nc regulations for permitted modifications.

3.5 WHEELS & TYRES

Wheel type: Original:	Pressed Steel	Material:
		Original: Steel
		Allowed: Steel or Alloy
Fixture method:	Bolt On	No. studs: 4
	FRONT	REAR
Wheel dia. & rim width	4x12 or 13	4x12 or 13
Original:		
Allowed:	6x12 or 13	6x12 or 13
Tyre Section:		
Original:	145	145
Allowed:		
Aspect ratio - minimum:	60%	60%
Comments:	Wheels /Tyres are confined to dimensions which fit within wheel arches. Period alloy wheels permitted. Refer Group Nc regulations for permitted modifications.	

SECTION 4 - GENERAL

4.1 FUEL SYSTEM

Tank Location: Rear **Capacity:** 40 Litres
Fuel pump, type and location: Mechanical **Make:**
Comments: Fuel pump/ s free. Refer Group Nc regulations for permitted modifications.

4.2 ELECTRICAL SYSTEM

Voltage: 12 **Generator/Alternator fitted:**
Battery Location: Engine Bay **Alternator**
Comments: Refer Group Nc regulations for permitted modifications.

4.3 BODYWORK

Type: Two Door Sedan **Material:** Steel
No. of seats: 4 **No. doors:** 2
Comments: Refer Group Nc regulations for permitted modifications.

4.4 DIMENSIONS

Track - Front: 1235mm **Rear:** 1220mm
Wheelbase: 2285mm **Overall length:** 3845mm
Dry weight: 700kg.
Comments:

4.5 SAFETY EQUIPMENT : *Refer applicable Group Regulations*