



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, the general historic rules, and the specific regulations relative to the subject vehicle Group, as detailed in the current CAMS Manual of Motor Sport.

Make of Car: Toyota Corolla 1200 **Model:** KE 20

Period of Original Manufacture: 1970-1974
Body Styling changes in September 1971
Grill change in August 1972

CAMS Historic Group: Nc

Date of Issue of this Document: 8 December 2011



SECTION 1 - CHASSIS

1.1 CHASSIS FRAME

Description: Unitary Construction **Period of Manufacture:** 1970-74
Manufacturer: Toyota
Chassis no. from: KE20 - 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: Fitted **Adjustable:**
Suspension adjustable: No **Method:**
Comments: Spring Rates & 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:** Permitted
Anti-sway bar: Not Fitted **Adjustable:**
Suspension adjustable: No **Method:**
Comments: Spring Rates & Ride Height 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:	200 x 10mm	200 x 30mm
Material of drum/disc	Cast Iron	Cast Iron
No. cylinders/pots per wheel:	2	1
Actuation:	Hydraulic	Hydraulic
Caliper: Make, Material, Type:	Girlock	
Master cylinder make:	Toyota	Type: Tandem
Adjustable bias:	No	
Servo Fitted:	Yes	
Comments:	Dual Master Cylinders permitted. Servo may be rendered inoperative. Components may be replaced with those from another Prod'n. Touring Car produced before 31/12/72. Refer Group Nc regulations for permitted modifications.	

SECTION 2 - ENGINE

2.1 ENGINE

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

2.2 CYLINDER HEAD

Make:	Toyota	Inlet:	1	Exhaust:	1
No. of valves/cylinder-	2	Inlet:	4	Exhaust:	4
No. of ports total:	8	Location:	Block	Drive:	Chain
No. of camshafts:	1				
Valve actuation:	Pushrod				
Spark plugs/cylinder:	1				
Identifying marks:					
Comments:	Refer Group Nc regulations for permitted modifications.				

2.3 LUBRICATION

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

2.4 IGNITION SYSTEM

Type:	Coil & Distributor
Make:	Nippondenso
Comments:	Refer Group Nc regulations for permitted modifications.

2.5 FUEL SYSTEM

Carburettor: Make:	Aisan	Model & Number:	3K-B 28mm
Fuel injection Make:		Type:	
Supercharged(Yes/No):		Type	
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. Refer Group Nc regulations for permitted modifications.		

SECTION 3 - TRANSMISSION

3.1 CLUTCH

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

3.2 TRANSMISSION

Type: Four Speed Synchromesh **Model:** K40
Make: Toyota
No. forward speeds: 4 **Gearbox location:** Behind Engine
Gearchange type and location: Floor Remote
Case material: Alloy **Identifying marks:**
Comments: Refer Group Nc regulations for permitted modifications. Ratios free.

3.3 FINAL DRIVE

Make: Toyota or Borg Warner in **Model:** Corolla
Australian built KE20
F/R/All Wheel Drive: Rear
Ratios: Various
Differential, Make: Toyota **Type:** Hypoid Bevel
Comments: Refer Group Nc regulations for permitted modifications. Limited Slip differential permitted.

3.4 TRANSMISSION SHAFTS (EXPOSED)

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

3.5 WHEELS & TYRES

Wheel type - Original:	Pressed Steel	Material - Original:	Steel
Allowed:	Steel or Period Alloy	Allowed:	Steel or Alloy
Fixture method:	Bolt On	No. studs:	4
	FRONT		REAR
Wheel dia. & rim width -			
Original:	4 x 12 or 13		4 x 12 or 13
Allowed :	6 x 12 or 13		6 x 12 or 13
Tyre Section -			
Original:	155		155
Allowed :			
Aspect ratio - minimum:	60%		60%
Comments:	Wheels/tyres 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:** 36 Litres
Fuel pump, type and location: Mechanical **Make:** Toyota
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: 1255mm **Rear:** 1245mm
Wheelbase: 2334mm **Overall length:** 3855mm
Dry weight: 795kg
Comments:

4.5 SAFETY EQUIPMENT : *Refer applicable Group Regulations*