



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 Sprinter **Model:** KE 17

Period of Original Manufacture: 1969-70

CAMS Historic Group: Nc

Date of Issue of this Document: May 2004



This form was issued without alteration or erasure.

SECTION 1 - CHASSIS

1.1 CHASSIS FRAME

Description: Unitary Construction **Period of Manufacture:** 1969-70
Manufacturer: Toyota
Chassis no. from: KE17 - 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:**
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:	Toyota – Cast Iron	
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
Model: 3K
No. cylinders: 4
Cylinder Block-material: Cast Iron
Bore - Original: 75mm
Stroke - original: 66mm
Capacity - original: 1166cc
Cooling method: Water
Identifying marks:
Comments: Refer Group Nc regulations for permitted modifications.

Configuration: In Line
Two/Four Stroke: 4 Stroke
Max. allowed: 76.5mm
Max. allowed: 66mm
Max. allowed: 1213cc

2.2 CYLINDER HEAD

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

Inlet: 1
Exhaust: 1
Inlet: 4
Exhaust: 4
Location: Block
Drive: Chain

2.3 LUBRICATION

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

Oil tank location:
Location:
Location:

2.4 IGNITION SYSTEM

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

2.5 FUEL SYSTEM

Carburettor: Make: Aisan
Fuel injection Make:
Supercharged(Yes/No):
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.

Model & Number: 3K-B 28mm
Type:
Type:

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:**
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 **Model:** Corolla
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:	145		145
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.		

