

Benefits of the AHTCA Website

historictouringcars.com.au

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HISTORIC TOURING CARS

NEWSLETTER SIGNUP

- HOME
- COMPETITION ▾
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WELCOME TO THE AUSTRALIAN HISTORIC TOURING CAR ASSOCIATION

We are about Historic Touring Car Racing.

The aim of the Association is to raise the profile and public awareness of Historic Touring Car Racing in Australia and to represent the individual State Historic Touring Car Clubs and Associations to the motorsport regulators and major event organisers in a professional, unified and consistent manner.

And to assist all stakeholders to ensure that Australian Historic Touring Car racing remains an appealing and viable motorsport category

This is the homepage





- Preparing your Car
- Specifications of Automobiles
- Eligibility Officers
- Engine Sealing
- Engine sealing database
- Minimum weights
- Approved Component Substitutions
- Vehicle Signage
- Historic Component Substitution



WELCOME TO HISTORIC TOURING CAR ASSOCIATION

Drop down menus

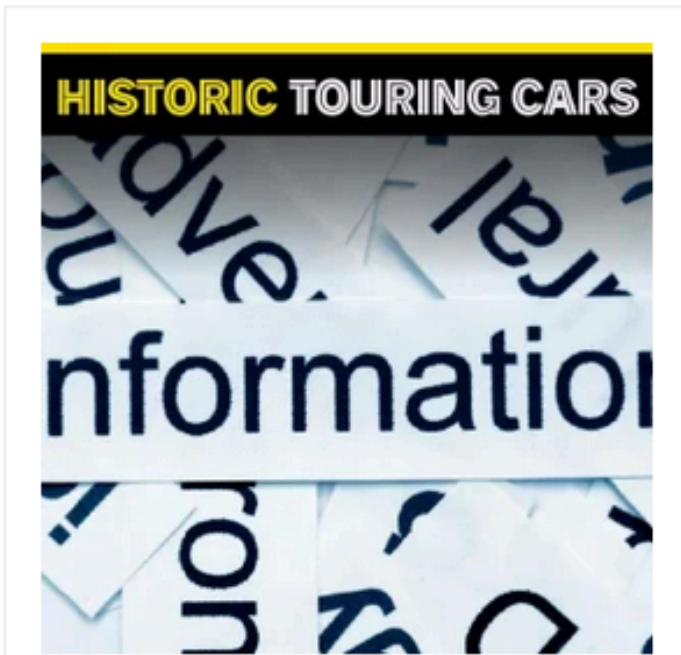
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Newsletters



AHTCA Newsletter 22 – April 2024

- Events
- HSCRA Sydney Classic
- The Bend Classic
- AHTCA Constitution changes
- Group N Technical Panel
- Engine Sealing forms



AHTCA Newsletter 21 – February 2024

- New Helmet and Apparel rules
- Helmets
- Posts
- HANS devices
- New website

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AHTCA Newsletter 20 – February 2024

- Group N Technical Panel
- New Helmet and Apparel rules
- AHTCA Constitution changes
- Phillip Island Classic
- Hoosier – Tyres
- New website



AHTCA Newsletter 19 – February 2024

- 2023 Winners
- Fire Extinguishers
- New Helmet and Apparel rules
- Rev limiters
- Eligibility
- Safety – Self extraction

Archive of all the newsletters

Minutes



AHTCA SPECIAL MEETING

9 April 2024

- AHTCA Constitution



AHTCA COMMITTEE MEETING

14 February 2024

- Minimum weights -use of FIA data
- Group N Technical Panel
- 5 year plan
- AHTCA Rep – SA



AHTCA ANNUAL GENERAL MEETING

14 February 2024

- AGM
- Chairperson report
- Treasurer report



AHTCA COMMITTEE MEETING

19 September 2023

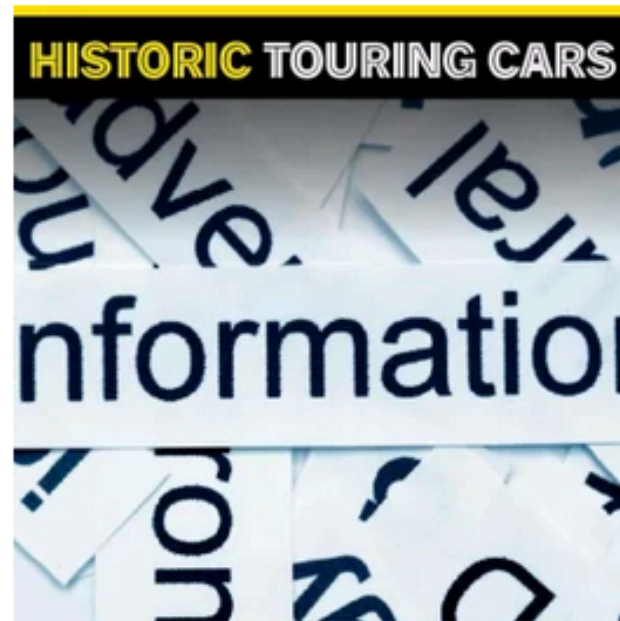
- Minimum weights
- Bonnet latches
- 5 year plan
- Group N administration

Archive of meeting minutes



Newsletters

- Login
- Chat room
- Eligibility Officer Meeting Minutes
- Member Directory
- My Profile
- Edit Profile
- Logout



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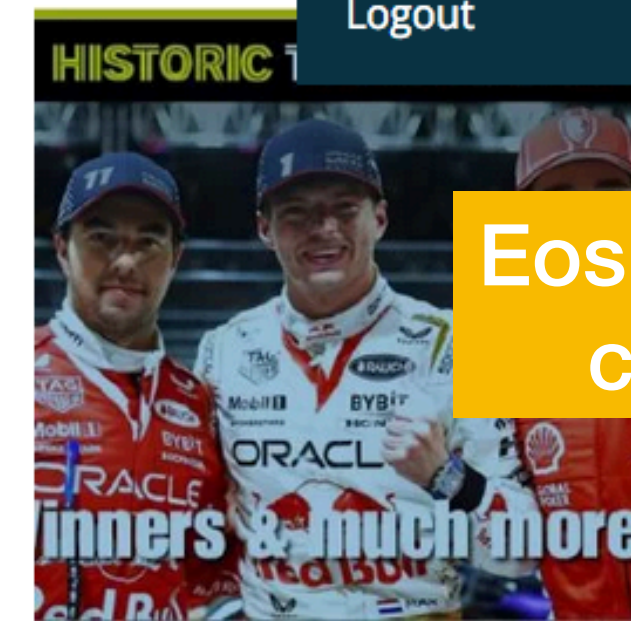
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Eos access and chat room



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Helpful files and forms

HISTORIC TOURING CARS

Checklist - Preparing your Car for Competition

Standard of presentation

- All standard equipment is present (wipers, badges etc.)

Bodywork

- Bodywork and body fittings are as supplied by the manufacturer
- Mudguard flares/extensions – flares and/or extensions to the guards are not permitted unless originally fitted to the make and model in question by the manufacturer

Vehicle Signage

- Competition number
- Windscreen and door banners – approved for event
- Battery marking
- Tow point marking

Bonnet latches

- Two separate fastening systems

Instrumentation

- Original
- Additional – no large tachos
- Shift lights

Steering system

- Correct power steering system fitted
- No electric steering
- Collapsible steering column fitted correctly
- No rose joint tie rod ends

Braking system

- Brake bias control in correct position
- Front brakes – rotor, no slotted or grooved; caliper type (Nb – original, Nc – within the period)
- Rear brakes – correct dimensions
- Ducting - compliant

Engine

- Seal in place
- New seal fitted and new details noted
- Carburettor was available during the period and later models of carburettors which were available in the period

Drive train

- Aluminium/alloy gearbox housing/prop shaft/diff/rear axle housing
- Gearshift pattern is original

Wheels

- Diameter and width are compliant

Tyres

- Minimum aspect ratio is at least 60%
- Brand is approved in [Approved Tyre list](#)
- Wheel and tyre combinations are compliant

Rev limiters

- Location is compliant
- Check chip
- Check visible wiring – earth lead is one continuous piece and visible, no switch in earth lead

Suspension

- Check negative camber front and rear
- Suspension points may be moved by up to 30mm
- End links of anti-sway bars can have rose joints
- Additional control arms may be fitted, and with rose joints– original must remain functional

Battery

- Display a blue triangle of sides 150mm indicating the location of the battery. A battery fitted in the cockpit shall have an additional blue triangle not less than 60mm sides fitted on the cover of the battery or immediately adjacent to the battery if uncovered

Electrical

- Check voltage at coil

Weight

- Check the weight of vehicle (without driver and helmet)

Helpful files
and forms

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Approved Component Substitutions

Vehicle Signage

Historic Component Substitution

g Your Car

Click

to help get your car ready for
etition

All Spec sheets
are located here



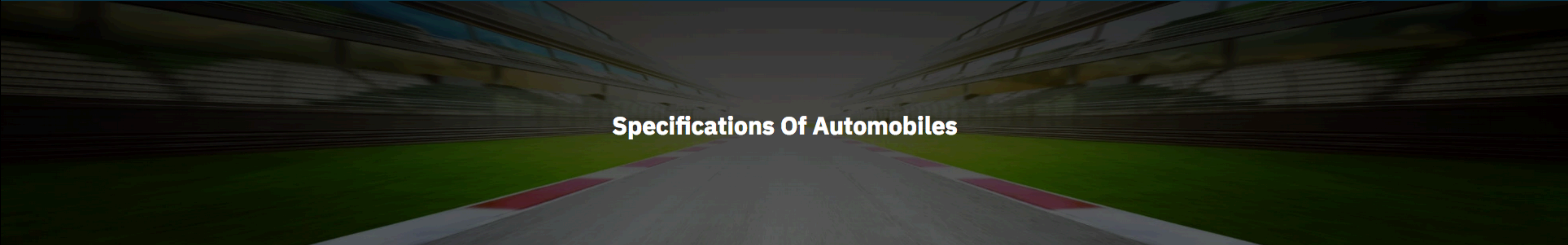
HISTORIC TOURING CARS

Rules of Association

State Clubs

QLD Historic Touring Car Association

Historic Touring Car Association Of Victoria

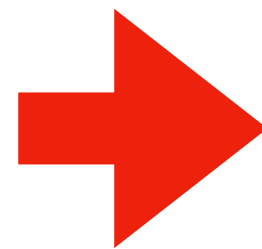


Specifications Of Automobiles

Hot Tip – To get the two important documents for your 5th Category – Group N Historic Car, do the following:

- Go to AHTCA Group N – Vehicle Reference Sheets below and find your vehicle. Print out, or save the Sheet to your computer.
- Then go to MA Group N – Vehicle Specification Sheets below and find your vehicle. Print out, or save the Sheet to your computer.

All Motorsport Australia Group N relevant information is located in one easy to access location



- + AHTCA Group N - Vehicle Reference Sheets
- + MA Group N - Vehicle Specification Sheets
- + Historic cars - navigating the documents
- + Historics General Requirements
- + Group Na - TOURING CARS (PRE-1958)

2024 MOTORSPORT AUSTRALIA MANUAL

SPECIFICATIONS OF AUTOMOBILES

5th Category – Historic Cars

Group A, C, N & U – Touring Cars



motorsport.org.au

Modified Article	Date of Application	Date of Publication
General Requirements (b) Safety	01/01/2024	01/01/2024
General Requirements (h) Ignition	01/01/2024	01/01/2024

VEHICLE ELIGIBILITY

GENERAL REQUIREMENTS

Groups A, C and U cover cars which have a documented competition history in their given periods and reference should be made to their specific regulations further on in this section for more details. Group N is designed to provide a forum for competitors to race production touring cars which do not necessarily have a racing history, but are presented in a form similar to racing of the period. Limited modifications may be made. These should be of a period nature and not out of character with the vehicle or group period.

This section details the requirements common to all the Group N historic production touring cars that do not have a competition history. Additional specific requirements for individual groups are detailed in the individual group sections and all groups are also subject to the 5th Category general requirements set out in 5th Category Group N: Vehicle Eligibility: General regulations

Vehicles shall comply with all relevant requirements of Schedules A, B and C (refer the *Manual* Technical Appendix), where not in conflict with the Group N regulations.

A high standard of presentation will be insisted upon at all times. Any vehicle considered to be of an inappropriate standard will be rejected. Vehicles decorated in a manner not consistent with the period (such as 'modern' graphics) may be considered to be of an inappropriate standard.

Modifications may be made in accordance with the freedoms outlined in these and the group-specific regulations. Where the regulations are silent on an issue, it shall be deemed that no modifications from the standard specifications are permitted, except where the specific modifications are defined on the approved Specification Sheet, which are available from the Motorsport Australia website: www.motorsport.org.au

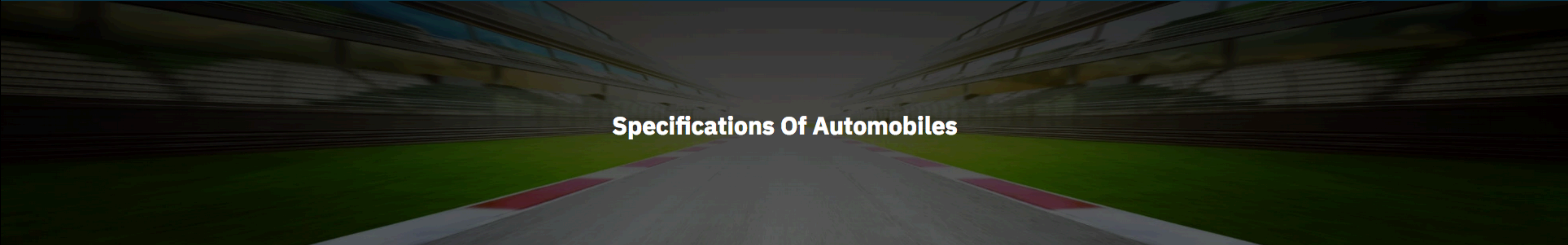
All vehicles must continue to comply with the Specification Sheet for the model in question. Motorsport Australia reserves the right to alter Specification Sheets at any time, if new or different information becomes available. The onus of proof of eligibility of the vehicle and/or major components, whether options or not, will be the responsibility of the owner, by way of homologation papers, parts manuals, workshop manuals etc.

Original vehicles: Vehicles with a racing history may be presented in the most predominant eligible form in which they were raced in the period, including the original sponsor signage, even though this specification may not fully conform to these rules.

Owners of vehicles with a competition history are required to obtain a Certificate of Description for the vehicle, which reflects the period specification of the car. Owners of such vehicles are encouraged to present their vehicles in this specification. Alternatively, the vehicle may be presented in conformance with the Group N regulations, in which case the divergence from the original specification will be noted on the Certificate of Description.

(a) **Technical Definitions:**

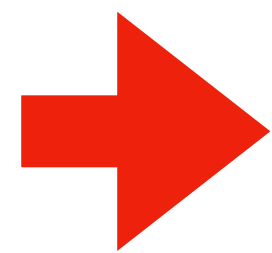
Elastomeric suspension bushings: Elastomeric suspension bushings are suspension components utilising an elastomer (eg, rubber, urethane) to permit freedom of movement in three axes at suspension pivot points. Where the bush incorporates an outer metal shell and/or central crush tube,



Specifications Of Automobiles

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- [+ AHTCA Group N - Vehicle Reference Sheets](#)
- [+ MA Group N - Vehicle Specification Sheets](#)
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- [+ Historics General Requirements](#)
- [+ Group Na - TOURING CARS \(PRE-1958\)](#)

This ONE document hotlinks to all relevant information

AUSTRALIAN
HISTORIC TOURING CARS
ASSOCIATION

5th CATEGORY – HISTORIC RACING

GROUP Nc

AHTCA APPROVED VEHICLE
INFORMATION SHEET

This form details information about the vehicle identified below, which is a model in the 5th Category Historic Cars group.

To be issued with a [Historic Log Book](#), cars need to comply with the specifications, the physical appearance shown in the illustrations and the general historic rules as detailed in the current Motorsport Australia Manual of Motor Sport.

Make of Car	Chevrolet
Model	Camaro SS 396 Big block
Period of Original Manufacture	January 1968 to December 1968
Motorsport Australia Historic Group	NcA
Date of issue of this document	5 February 2024



For example
All spec sheets
are linked to...

This information sheet is a compilation of relevant extracts from the documentation listed below:

Note that for Historics, all the documents listed **must** be examined together.

Historic

- [Historic Equipment Chart](#)
- [2023 Motorsport Manual – Specifications of Automobiles – 5th Category – Historic Cars – General Regulations](#)
- [2023 Motorsport Manual – Specifications of Automobiles – 5th Category – Historic Cars – Events](#)

Vehicle Eligibility

- [2023 Motorsport Manual – Specifications of Automobiles – 5th Category – Historic Cars – Vehicle Eligibility – General Requirements](#)
- [2023 Motorsport Manual – Specifications of Automobiles – 5th Category – Historic Cars – Group A, C, N, & U – Touring Cars](#)
- [2023 Motorsport Manual – Specifications of Automobiles – 5th Category – Historic - SEATS FOR GROUPS NA, NB, NC, SA, SB AND SC](#)
- [2023 Motorsport Manual – Specifications of Automobiles – 5th Category – Historic Cars Approved Tyre List: Group N & S](#)
- **Equipment Standards and Guidelines**
- [2023 Motorsport Manual – Vehicle Eligibility – 5th Category – Historic – Component Substitution Criteria](#)
- [2023 Motorsport Manual – Vehicle Eligibility – 5th Category – Historic – Equipment Standards and Guidelines \(Safety Cages/Roll Bars\)](#)
- [2023 Motorsport Manual – Vehicle Eligibility – 5th Category – Historic – Equipment Standards and Guidelines \(Firewalls, Scattershields & Chainguards\)](#)
- [Group N Specifications](#)

Equipment Standards and Guidelines

General Requirements for Cars and Drivers

- [2023 Motorsport Manual – General Requirements for Cars and Drivers – Definitions – Technical](#)
- [2023 Motorsport Manual – Classification of Automobiles](#)
- [2024 Motorsport Manual – General Requirements for Cars and Drivers – Schedule A](#)
- [2024 Motorsport Manual – General Requirements for Cars and Drivers – Schedule B](#)
- [2023 Motorsport Manual – General Requirements for Cars and Drivers – Schedule C](#)
- [2023 Motorsport Manual – General Requirements for Cars and Drivers – Schedule D: Apparel](#)
- [2023 Motorsport Manual – General Requirements for Cars and Drivers – Schedule E – Wheels and Tyres](#)
- [2023 Motorsport Manual – General Requirements for Cars and Drivers – Schedule F: Aerofoils](#)
- [2023 Motorsport Manual – General Requirements for Cars and Drivers – Schedule G - Fuel](#)
- [2023 Motorsport Manual – General Requirements for Cars and Drivers – Schedule H – Fire Extinguishers](#)
- [2021 Motorsport Manual – General Requirements for Cars and Drivers - Schedule I: Safety Harness & Window Nets](#)
- [2023 Motorsport Manual – General Requirements for Cars and Drivers – Schedule J – Safety Cage Structures](#)
- [2023 Motorsport Manual – General Requirements for Cars and Drivers – Schedule K – Markings on Automobiles](#)
- [2023 Motorsport Manual – General Requirements for Cars and Drivers – Schedule L: Automobile Log Books](#)
- [2023 Motorsport Manual – General Requirements for Cars and Drivers – Schedule M: Scatter Shields](#)
- [2023 Motorsport Manual – General Requirements for Cars and Drivers Schedule N - Fuel Tanks](#)

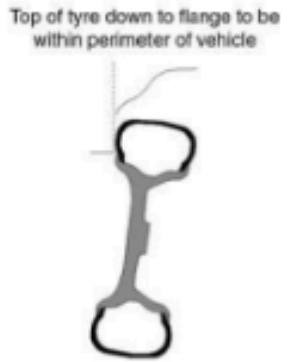
...this sheet
hotlinks to all
these relevant areas
of the manual

	<p>The vertical area is from the top of the chassis rail to the top of the firewall.</p> <p>The horizontal area is from the outer edge of the chassis rail (where it contacts the firewall) to 300 mm towards the centre line of the vehicle.</p>
Mounting	<p>Chassis reinforcement plate to be welded to chassis rail, drill & tapped to allow mounting plate attachment.</p> <p>Firewall reinforcement plate is to be bolted through the firewall & tube mounting plate.</p> <p>Each mounting point to incorporate at least two fasteners having the minimum diameter of M8 and minimum quality 8.8 (ISO standard), self-locking or fitted with lock washers.</p>

Section 2.2. Dimensions

	Front	Rear
Track	1514 mm	1511 mm
	Also refer to Track	
	The distance between the centres of the contact patches of the tyres on the same axle as presented for competition.	
Wheelbase	2743.2 mm	
	Refer Chassis/Bodywork – page 3.	
	The original wheelbase dimensions must be retained.	
Overall length	4724 mm	
Approved minimum kerb weight	1560 kgs	
Approved minimum racing weight	1529 kgs	
Comments	<p>The original wheelbase dimensions must be retained.</p> <p>The track dimension for all Groups are free save that the upper part of the tyre, down to the flange over the wheel hub centre must be within the perimeter of the vehicle when viewed vertically from above.</p>	

Section 3. Bodywork

Definitions	Refer Chassis/Bodywork – page 3.
7 Touring cars	<p>The bodywork and body fittings must be as supplied by the manufacturer.</p> <p>Chassis or chassis-body unit, including the floorpan, must be original and unmodified, save for the strengthening techniques provided for under the Group N general regulations.</p> <p>The original wheelbase dimensions must be retained. The track dimension for all Groups are free save that the upper part of the tyre, down to the flange over the wheel hub centre must be within the perimeter of the vehicle when viewed vertically from above (see diagram 1).</p>
	<p>Top of tyre down to flange to be within perimeter of vehicle</p> 
Type	Coupe

And these spec sheet details link to the Motorsport Australia manual



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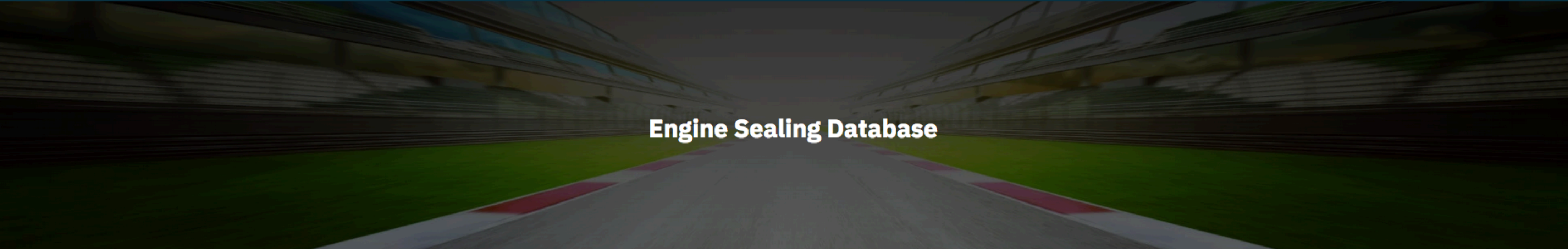
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All engine sealing data is recorded here

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Engine Sealing Database

PDF 

[VIEW DATABASE](#)



HISTORIC TOURING CARS

[Rules of Association](#)



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All approved component substitutions are located here in one simple file

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Make	Model	Model 2	Approved Component	Component	Rev Limiter Required	Limiter specification	Limiter Location
Ford	Cortina	220 240	Block	Any 7.78" height deck block with the following Engine Casting Block number: 116E-6015BA, 118E-6015BA, 120E-6015, 120E-6015BA, 2731- 6015BA, 3020-6015BA, 681F-6015BA, 701M-6015BA, as well as new Ford Motorsport block Part number M-6010-16L.	No		
Ford	Cortina	GT - Mark 1	Block	Any 7.78" height deck block with the following Engine Casting Block number: 116E-6015BA, 118E-6015BA, 120E-6015, 120E-6015BA, 2731- 6015BA, 3020-6015BA, 681F-6015BA, 701M-6015BA, as well as new Ford Motorsport block Part number M-6010-16L.	No		
Ford	Cortina	GT - Mark 2 220 240 440	Block	Any 8.21" height deck block with the following Engine Casting Block number: 681F-6015BA, 691M-6015BA, 691F-6015BA, 711M-6015BA, as well as new Ford Motorsport block Part number M-6010-16L.	No		
Ford	Escort	RS1600	Substitute head	Blue Sky replacement Cosworth BDA head H71 MS 6501 BS	No		
Ford	Escort	Twin Cam	Substitute head	The cylinder head manufactured by SAS Engineering may be used to replace original Lotus heads. Modified original or replacement aftermarket timing chests incorporating a removable water pump are acceptable.	No		
Ford	Falcon	XR	Substitute heads	Dart Iron Eagle No. 1330008 *	Yes	MSD Soft Touch rev Limiter Part no 8728 with a 7500 RPM limit.	The limiter must be located within the engine bay in an easily accessible position. The wiring must be visible along its length with the earth connected to the nearest practical earth point.
			Substitute heads	RHS Pro Action Small Block Ford No. 35304	No		
			Substitute heads	World Products Windsor Junior.	No		
			Block	Ford M-6010-Boss 302 block with a rev limit of 7500	Yes	MSD Soft Touch rev Limiter Part no 8728 with a 7500RPM limit	The limiter must be located within the engine bay in an easily accessible position. The wiring must be visible along its length with the earth connected to the nearest practical earth point.
Ford	Falcon	XW GT	Substitute heads	World Products Windsor Senior cylinder head (200cc runner and 64cc chamber).	No		
			Substitute heads	Dart "Iron Eagle 180" Cylinder head part no 13310010.	No		
			Block	Windsor engine, part number M-6010BOSS35195	Yes	MSD Soft Touch rev Limiter Part no 8728 with a 7500RPM limit	The limiter must be located within the engine bay in an easily accessible position. The wiring must be visible along its length with the earth connected to the nearest practical earth point.

240422 - Rev limiter models and Component substitutions.xlsx

Make	Model	Model 2	Approved Component	Component	Rev Limiter Required	Limiter specification	Limiter Location
			Block	ARROW Ford 351 Cleveland Small Block	Yes	MSD Soft Touch rev Limiter Part no 8728 with a 7500 RPM limit.	The limiter must be located within the engine bay in an easily accessible position. The wiring must be visible along its length with the earth connected to