

# NSW Touring Car Championship



## 2021 Car Regulations

### The NSW Touring Car Championship

*The purpose of this category is to provide an inexpensive state based race category with close competition.*

*Motorsport within this championship should be safe, fun and in fair spirit. The championship rules are used to ensure fair and equitable competition across all classes. The "spirit" of the rules should be adhered to, no matter how serious the Championship seems.*

*Modifications not listed here-in are deemed illegal for the championship. Please remember, if it is not written or permitted in these regulations, it is **NOT LEGAL**.*

*NSW Touring Car Championship and our officials reserve the right to randomly inspect cars to determine if they are eligible to compete in this Championship.*

### Note

Please read these car regulations in conjunction with the Series Competition Rules.

### The Cars

Eligible cars will have been built between January **1986** and December **2002** and were sold new in Australia.

Eligible Cars will have a Maximum engine capacity of 1600cc and a maximum manufacturer power output of 88kW or less.

**Class A** will be **0 – 64** Maximum Kilowatts

**Class B** will be **65 – 81** Maximum Kilowatts

**Class C** will be **82 – 88** Maximum Kilowatts

#### 1. General

- A. All cars are to be as presented from the manufacturer apart from any modifications listed within these regulations.
- B. Please build your car within the spirit of these rules.
- C. Any modification to any car that is not stated within these regulations will be deemed illegal for this competition category.
- D. Interpretation of these regulations must be as per the factory standard part or exact aftermarket equivalent unless clearly stated otherwise.
- E. It is the car owner's and/or driver's responsibility to present a car that meets all the series requirements.
- F. These regulations may be altered and or updated at any time. Any updated regulations will be made available to all competitors.

#### 2. Vehicle Homologation

- A. Please check the Homologated Vehicle List on the Drivetek Motorsport website prior to purchasing a car.
- B. If you wish to enquire about homologation for a vehicle that may not be on the list BUT meets all the Championship criteria, please email [info@drivetekmotorsport.com](mailto:info@drivetekmotorsport.com) for a Homologation Pack.

#### 3. Vehicle Inspections

- A. All cars that are to compete in the 2021 NSW Touring Car Championship must be inspected and approved prior to any entry being submitted or accepted. This includes cars that have previously competed.
- B. Car owners should contact **Drivetek Motorsport** to arrange an inspection.
- C. No car will be accepted to entered or compete in any events without a prior inspection.

#### 4. Items not permitted

- A. 4AG, VVTI or Vtec or similar engines will not be permitted.
- B. Sporting variations of any model will not be permitted unless the same mechanicals were released in other Non - Sporting versions of the model. **(Approval of the car will still be required)**
- C. Cars will be either Front Wheel Drive or Rear Wheel Drive only.
- D. Sports cars, open top or soft top cars will not be permitted.

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- E. Wheel spacers are not permitted.
- F. Parts interchange from similar models is not permitted unless stated elsewhere in these regulations.
- G. In car timing and communication between pits and drivers via devices are not permitted.
- H. Other items as stated within these regulations

### **5. Body and Coachwork.**

The body and coachwork of the car will remain unchanged from manufacturer standard save that,

- A. The inside edge of the guards is allowed to be rolled to allow wheel clearance.
- B. Body mouldings are permitted to be removed.
- C. All original external lights must be in full working order.
- D. Manufacturer fog lights or similar may be removed and the opening can be used to cool front brakes.
- E. The cutting of the cars metal body or bumper bars for clearance of parts or fitment is not permitted including brake ducts. (Driving light panels may be removed to fit brake ducts in front bumper bar).
- F. Lightening or cutting of any panels or metal surfaces and/or the body shell etc is not permitted.
- G. Original factory style body kits only are permitted.
- H. Body kit interchange between similar models may be permitted. **(Approval is required by each team)**

### **6. Interior.**

- A. The dashboard in whole will remain. (Radio/Stereo only may be removed)
- B. All under dash components must be retained and must be in full working order.
- C. Passenger seats front and back may be removed.
- D. Carpet and sound deadening materials may be removed.
- E. Manufacturer seatbelts may be removed.
- F. All door trims must be retained. In the rear of 2 door cars the passenger side lining must be retained
- G. The boot area may be stripped out.
- H. The roof lining may be removed.
- I. Additional gauges may be added and must be securely mounted.

### **7. Engine.**

The engine in whole including the complete fuelling system is to remain as per manufacturer's specifications with NO modifications.

- A. The original cold air box may be removed.
- B. The air pick up point for the air box may be relocated for better airflow **(if using cold air box).**
- C. The airflow meter must be retained in its original position.
- D. Pod Filters or similar may be used and secure remote fitting under the guard is acceptable.
- E. Carburetted cars may use sports air cleaners. (Also see Item 10)
- F. Original or aftermarket equivalent, fuel and oil filters may be used.
- G. An additional return spring must be added to the throttle body or carburettor.
- H. Spark plugs, leads, rotor button and distributor caps etc are free.
- I. The distributor and internal workings must remain unchanged.
- J. Coils or Coil packs etc are to remain as supplied by the manufacturer.

### **8. Throttle body**

The vehicle throttle body must be the original type supplied by the manufacturer for the vehicle presented.

- A. No modifications are permitted.
- B. No Electronic or mechanical method may be used to alter the flow or operation of the throttle body.
- C. No device that alters the signal to or from the throttle body is permitted.

### **9. Airflow meter**

The vehicle airflow meter must be the original type supplied by the manufacturer for the vehicle presented.

- A. No modifications are permitted.
- B. No devices electronic or other that alter the signal to or from the airflow meter to the computer or other components is permitted.

### **10. Carburettors**

- A. Cars that came from the factory with a carburettor may re-jet the standard carburettor.
- B. Alternatively, these cars may fit a single 32/36 Weber carburettor and adaptor plate. (Jet size to be determined prior to 2021)
- C. No alteration may be made to the carburettor.
- D. No alteration may be made to the inlet manifold.

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### **11. Sensors**

All vehicle sensors are to remain as supplied by the manufacturer.

- A. No item or device that alters the signal too or from any sensor is permitted.

### **12. Engine Management System.**

The engine management system (Computer) and wiring loom in total must remain unchanged from manufacturer's standard specifications.

- A. No modifications or aftermarket additions will be permitted.
- B. Illegal items including but not limited to
  - a. Computer from another car or model.
  - b. Computer modification of any type.
  - c. Piggy back computer.
  - d. Plug in device.
  - e. Any device that may alter the operation of a standard computer.
  - f. Other methods not listed.
- C. A series computer may be presented to any competitor at any time during an event to fit to their car for the rest of the day's competition.
  - a. This must be installed by the competitor with the series scrutineer present.
  - b. The competitor's computer will be held by the scrutineer until completion of the event.

### **13. Electrical & Electronics**

- A. The cars electrical system including all wiring is to remain un-modified from the manufacturer's specifications.
- B. No additional electronic devices may be used to monitor the car or any of its parts unless authorised elsewhere in these regulations.

### **14. Drive train.**

- A. The manufacturer's original gearbox, differential and gear change system for the model presented must be retained and used.
- B. The clutch is a control item. (Please see item 25 Control Items)
- C. Drive shafts must be the same as originally supplied by the manufacturer or aftermarket similar for the model of car.

### **15. Brakes.**

The brake system must remain as per manufacturers design and specifications for the model of car being run save that.

- A. Slotted and/or drilled discs of the same diameter and design of the original factory unit may be used.
- B. Brake cooling ducts may be added.
- C. Brake ducts must pick up the air from the driving light area in the front bar.
- D. Control brake pads (See Item 25 Control Items)
- E. Cars with ABS braking systems must have the ABS electronic module removed.
- F. Drum brakes cannot be replaced by disc brakes.

### **16. Steering and Suspension.**

- A. The steering and suspension of the car will remain as supplied by the manufacturer save that.
- B. Aftermarket parts of equivalent type may be used to replace worn parts.
- C. Modification of strut towers in any way is not permitted.
- D. Non-adjustable front and rear strut braces may be used.
- E. Manufacturer original sway bars are to be used.
  - a. Option Sway bar (See Item 25 Control Items)
- F. Manufacturer Standard springs may be cut to lower the car approximately 30mm from standard.
  - a. Option Control Spring (See Item 25 Control Items)
- G. Heavy duty struts of the same type and style to manufacturer's original are acceptable.
- H. Coil over's and adjustable struts or similar are not permitted.

### **17. Camber & Wheel Alignment**

Camber and alignment may be adjusted to suit the car and driver.

- A. Camber pins (Bolts) may be used to adjust Camber on the front of the car.
- B. Manufacturer standard adjustment only may be used for the rear of any car.

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- C. No adjustable strut top of any type may be used.
- D. Lower control arms may not be modified or changed altered in any way.

### **18. Exhaust.**

- A. The standard exhaust manifold and engine pipe must be retained.
- B. The exhaust manifold may not be modified.
- C. EGR piping may be removed.
- D. The Catalytic Converter may be removed or hollowed out.
- E. The exhaust must follow the original exhaust route and exit the car in the original position at the rear.
- F. Maximum exhaust pipe diameter is 2 inch (External Diameter).
- G. The exhaust must have an effective muffler.
- H. Maximum Db rating is 95db @30m

### **19. Wheels and Tyres.**

- A. Manufacturer or After Market Alloy wheels may be used.
  - a. They will be either standard manufacturer specification or
  - b. Up to a maximum up to 1 inch larger in diameter and/or 1 inch wider than the manufacturer's original wheels for the car presented.
- B. Front wheel drive cars must run rims specifically made for front wheel drive cars.
- C. We reserve the right to refuse the use of any wheel.
- D. Tyres (*See Item 25 Control Items*)
- E. All wheels must have valve caps on at all times during competition.

### **20. Safety.**

- A. All cars must be fitted with a minimum 1kg extinguisher, Each hand-held fire extinguisher shall be secured using a metal bracket attached to the automobile with high tensile bolts or equivalent fasteners and must be solidly mounted.
  - a. Must be capable of removal by the driver (or crew, where applicable) while seated in their normal respective position for competition with safety harness unfastened, unless varied by specific category regulations and without the aid of tools.
  - b. All extinguishers must be of AS1841 (AS1841-2 are not permitted)
- B. A minimum 4 point harness must be used with a minimum belt width of 2"
  - a. Harnesses must be securely mounted at all points.
  - b. Harness shoulder straps must be mounted by wrapping around a strongly mounted harness bar.
  - c. Harnesses must be in good serviceable order and free from rips, tears and stains.
  - d. We reserve the right to refuse the use of any harness.
  - e. Harnesses without a date label will not be permitted.
- C. A motorsport type window net must be fitted and used.
  - a. Window nets must have a quick release system in case of a roll over etc.
- D. A race seat must be fitted to the car.
  - a. Race seats must be free from any damage.
  - b. Are to be securely mounted.
- E. Airbag steering wheels must be removed and be replaced with an ADR Compliant Steering wheel.
- F. Tow hooks must be visible at all times and painted in an alternate colour to the car. (Straps are acceptable)
- G. Tow hooks must be identified by a red triangle. (For a red car a clearly marked white outline is accepted for the red triangle)
- H. A battery isolator switch with relevant markings is recommended but not yet compulsory.
- I. A blue battery location Triangle of 150mm sides must be in position
- J. 'FHR' devices are highly recommended but not compulsory.

### **21. Roll Cages**

Roll over protection for **NSW Touring Car Championship** is compulsory for all cars from **1<sup>st</sup> January 2021**

- A. All Cars must have a 6 point roll cage.
- B. See **Series Competition Rules** for clarification on roll over protection.
- C. Drivetek Motorsport can assist competitors with inexpensive steel for roll cages if required.

**22. Vehicle numbers**

- A. All vehicles must be registered for the series and car numbers applied for via the registration form on the 'NSW Touring Car Championship' page at – [www.drivetekmotorsport.com](http://www.drivetekmotorsport.com)
- B. Vehicle numbers for doors and bonnet must comply with
  - a. Font is to be Arial Bold
  - b. 230mm in height approximately
  - c. Must be on a contrasting background.  
E.g. Black numbers White Background or reverse colours. Other colours are permitted
- C. Windscreen numbers on left hand side of front and rear windscreen
  - a. Must be yellow or fluoro yellow
  - b. Font is to be Arial Bold
  - c. 150mm in height approximately
- D. Car class stickers (A, B, or C) to be displayed alongside door and screen numbers.
  - a. Font is to be as per door and windscreen numbers
- E. Numbers and decals can be purchased from **Standout Stickers (0439 439 226)**  
This is our series decal supplier

**23. Driver Licencing**

- A. All drivers must hold a AASA, MA or Pheasant Wood Circuit 'Race Licence'
- B. Drivers of limited experience must attend an 'Observed Licence Test' day (OLT)
- C. For further information on OLT and licencing please email [smallcarcup@drivetekmotorsport.com](mailto:smallcarcup@drivetekmotorsport.com)

**24. Series Decals**

One set of series decals will be supplied to each car owner per year.

- 2 x Stand out Stickers logo**
- 2 x Drivetek Motorsport logo**
- 2 x Gordon Leven Motorsport Tyres logo**
- 2 x Blendline TV logo**
- 2 x Nankang Tyres Logo**
- 2 x NSW Touring Car Championship Logo**

- A. Additional Decals can be purchased.
- B. Drivers surname must be across the top of the windscreen.
  - a. Available from **Standout Stickers (0439 439 226)**
- C. Sponsor's names and/or logos are permitted.
- D. No stickers or decals may have sexual or rude interpretation.
- E. **A diagram of series logo and number placement is available on the website.**

**25. Control Items**

A. **Brake Pads:**

- a. Control brake pads:
  - i. Bendix 'Top Performance' (Advised only for light cars)
  - ii. Remsa
  - iii. TRW

These are available through

- Macquarie Road Auto Repairs (02) 4751 6620 – Western Sydney
- Camden Automotive (02) 4655 7805 – Central Areas
- Drivetek Motorsport 0467 632 755 – Southern Regions

These businesses also offer discounted installation for Small Car Cup Members.

B. **Control Springs:**

- a. Standard factory springs, cut to lower the car 30mm from standard.
- b. Optional Spring is: Pedder's Sports Ryder springs, Standard height or Lowered. (May not be cut) (No special order springs will be accepted)
- c. These can be purchased from any auto parts store.

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### C. Sway Bars

- a. Standard Factory sway bars.
- b. Optional sway bars are Whiteline, Selby, Signature brands only.
- c. These may be added to the front and rear of any car.

### D. Control tyre

- a. The control tyre is Nankang NS-2R tyre with markings NSWTC on the side wall.
- b. These tyres are available **only** through
  - **Gordon Leven Motorsport Tyres** at Emu Plains
  - **Drivetek Motorsport** at Goulburn
- c. Tyres without the NSWTC marking will not be accepted for competition.

Tyre sizes

- 13" 185/60/13
- 14" 185/60/14
- 15" 195/55/15

### E. Control Clutch

- a. Control Clutch & Pressure Plate **must** be purchased from
  - Macquarie Road Auto Repairs (02) 4751 6620 – Western Sydney
  - Camden Automotive (02) 4655 7805 – Central AreasThese businesses also offer discounted installation for Small Car Cup Members.
  - Drivetek Motorsport 0467 632 755 – Southern RegionsNo fitting service available
- b. All cars must have the control clutch fitted by 1<sup>st</sup> July 2021

## 26. Scrutineering requirements

- A. All cars are to be presented in clean and tidy condition.
  - a. Faded paint and peeling clear coat must be polished and repaired as much as possible.
  - b. Dirty cars will not be accepted.
  - c. Damaged cars must be re-scrutineered prior to further competition.
  - d. Damaged cars where possible, to be repaired prior to the next event.
  - e. Any repairs must be inspected for safety.
- B. No oil or fluid leaks.
- C. Tyres must be in serviceable condition prior to the start of competition with no damage.
- D. Battery triangle to be in place.
- E. Battery to be securely mounted.
- F. Tow-hook triangles to be in place.
- G. All Headlights to be covered with clear or lightly tinted film (Red film is not accepted).
- H. An oil catch can of no less than 2lt capacity to be securely mounted by a bracket and plumbed from the correct point or points from the rocker cover.  
*(Honda Civic-EK has an internally vented engine and does not require a catch can)*
- I. An additional return spring must be fitted to the throttle.
- J. All loose items must be removed prior to scrutineering.

## 27. Important

- A. The entrant, (owner of the car) is wholly accountable for ensuring that:
  - a. Their car is in safe operating condition.
  - b. Meets all the rules and regulations set out herein.
- B. Small Car Cup and its officials reserve the right to refuse any entry or car without reason.
- C. All cars are to be inspected prior to being accepted for 2021 Competition – No Exceptions.
- D. These regulations are to be read in conjunction with the Small Car Cup & NSWTC Competition Rules.

## 28. For more information

Please email:

[smallcarcup@drivetekmotorsport.com](mailto:smallcarcup@drivetekmotorsport.com)

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### **29. Be advised**

- ❖ When building and preparing your car, please note that if it is not stated in these regulations then it is not legal for this series regardless of interpretation.
- ❖ Please do not look to find loop-holes etc in these regulations.
- ❖ If any item is unclear, the manufacturer's standard part is implied.
- ❖ NSW Touring Car Championship Cars are eligible to compete in Small Car Cup.

## *2021 NSW Touring Car Championship*

**Round 1: Sunday 7<sup>th</sup> February**

**Round 2: To Be Advised**

**Round 3: Sunday 30<sup>th</sup> May**

**Round 4: Sunday 4<sup>th</sup> July**

**Round 5: Sunday 29<sup>th</sup> August**

**Round 6: Sunday 26<sup>th</sup> September**

**Round 7: Sunday 7<sup>th</sup> November**

*Small Car Cup and NSW Touring Car Championship*

*ABN: 66 872 109 863*

*Website: [www.drivetekmotorsport.com](http://www.drivetekmotorsport.com)*

*Email: [nswtcc@drivetekmotorsport.com](mailto:nswtcc@drivetekmotorsport.com)*

**NSWTCC**

NSW Touring Car Championship



**If you have any questions, please contact us on the email address above.**