

2007

V8 GIANTS

Technical Rules



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1. Category Administration

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V8 Giants Director:	Mr Garry Willmington	phone: 02 4822 2811
	PO Box 151	mobile: 0408 804 411
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V8 Giants Administration:	Mrs Judy Ellacott	phone: 02 4647 2825
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2. General

2.1 Title

The series shall be known as the “2007 V8 Giants Series”. The Australian Motor Racing Series reserves the right at any time to vary these regulations, which, where possible, will be advised to entrants in good time.

The AMRS Management reserves the right to refuse entry to any competitor and/or vehicle without explanation.

2.2 Authority

All events in the “2007 V8 Giants Series” will be conducted under the rules of the AMRS, AASA, Series Competition Rules, Category Sporting Rules for the Series and regulations published for the event.

2.3 Licence Requirements

To be eligible to compete at an AMRS event the driver and entrant must hold a minimum National AASA licence or equivalent.

2.4 Series Registration

All competitors competing in the 2007 Australian Touring Car Challenge are required to register with the Australian Motor Racing Series.

2.5 Judicial Process

The judicial process will be as per AASA & AMRS rules and regulations.

2.6 Passport

All vehicles competing in the AMRS V8 Giants category must have a Vehicle Passport issued by the Australian Auto-Sport Alliance (AASA).

2.7 Windscreen Advertising

The area across the top of the windscreen must be available for a windscreen banner as supplied by the AMRS.

2.8 Vehicle & Driver Identification

2.8.1 Vehicle Numbers

The vehicle race number shall be displayed on the drivers and passengers side front door and windscreen on drivers left. The door number shall be 230mm high and the number thickness shall be approx 50mm. The door number shall be black on a white background or white on a black background. The windscreen number shall be a minimum of 150mm high and shall be dayglo yellow in colour.

2.8.2 Category Identification

Directly above the door placement of the vehicle number a space of 470mm wide x 150mm high must be available for the category identification sticker.

2.8.3 Driver Identification

The driver surname shall be displayed on the drivers and passengers side rear window panel. The name shall be 100mm in height for any capital letters and 60mm in height for any lower case letters and white in colour.

2.9 AMRS Logo

The AMRS Logo shall be placed on the rear quarter vent window or equivalent, in line with the driver name. If not possible the Logo shall be placed at the same prominent position on both sides of the car.

2.10 Dorian Timers

All vehicles shall be fitted with an operational dorian timer unit during all on track activities.

3. Specification and Modifications

3.1 Vehicle

The vehicle shall be of mass produced origin, medium to large sedan with a minimum of 4 original seating positions. The vehicle build date shall be after 1 January 1995.

Examples of suitable vehicles include:

Toyota	Camry and Orion
Holden	Commodore and Monaro
Ford	Falcon
Mitsubishi	380
BMW	Series 3, 5 and 7
Mercedes Benz	S500
Chrysler	300C
Mazda	6
Hyundai	Sonata
KIA	Optima

3.2 Engine

The normally aspirated V6 or V8 engine fitted shall have a past or present association between the brand of vehicle and brand of engine. The association may be that one company either owned another or produced vehicles for the other.

Examples of association include:

Toyota, Holden with Chevrolet
Mitsubishi, Hyundai with Chrysler
Jaguar with Ford
Ford, Mazda with Jaguar
Volvo, Ford with Jaguar
KIA with Ford

The engine shall be fitted in front of the original fire wall. The only firewall modification permitted is for the transmission tunnel to allow for the bell housing and transmission.

3.3 Gearbox

No restriction applies to the make of gearbox however it shall be directly attached to the engine in a north/south configuration in the proximity of the original position for the vehicle. The rear of the gearbox may not be fitted further back than the centre line of the wheel base of the car.

3.4 Front Suspension

The choice of front suspension K frame is free. The front suspension may be McPherson Strut or double wishbone.

3.5 Rear Suspension & Differential

Suspension and differential shall be as available from the vehicle manufacturer i.e. live rear axle or independent rear end must be retained. The option of a 4 link cambered rear

end for a live rear axle is available with a rear trailing arm of a maximum of 912mm in length. A rear trailing arms of a maximum of 912mm in length is also available for an independent rear suspension. The outside casing of the differential may not be altered but may be strengthened. A 9" alloy differential centre may be fitted to both live and independent rear ends.

3.6 Brakes

Brakes may be of 4, 6 or 8 piston single callipers only. Carbon Fibre rotors will not be permitted. No restriction applies to brake pads.

3.7 On Board Air Jack Systems

Minimal body modifications may be made to accommodate the fitting of an on board air jack system. The fitting of an on board air jack system is not mandatory.

3.8 Traction Control

Traction Control is not permitted on any vehicle in the V8 Giant category.

3.9 Interior Trim

The original interior trim and seats of the vehicle may be removed with the exception of the original dash pad top. The interior door trim must remain on both front doors unless the vehicle is fitted with NASCAR style side intrusion bar work. The trim material may be replaced with either carbon fibre or aluminium. Both front doors must have the ability to be opened from inside the vehicle.

3.10 Wheels

Wheels will be of 17" or 18" diameter with a maximum width of 11".

3.11 Tyres

The brand and compound of tyre will be as designated by AMRS Management.

3.12 Alterations to the Vehicle Body

The vehicle body may not be altered however to accommodate the wheel and tyre combination the front and rear guards may be altered by the folding up of the lip of the guard only. The internal wheel arch front and rear may be modified with the fitment of mini wheel tubs to accommodate wheel and tyre combinations.

3.13 Aero Package

All vehicles competing in the V8 Giant category shall be fitted with an AMRS approved aero package. The aero package will include front under tray and rear wing. The common rear wing will include 5 point adjustments and variable gurney flaps up to 25mm. The front splitter assembly must not exceed forward of the centre line of the front wheels by more than 1050mm. The front splitter may be trimmed to individual applications but must not exceed the original specifications. For fitment of the rear wing the rear most point of the blade must not exceed past the rear most point of the rear bumper. The aero package is available for purchase from the AMRS. Please contact Rod Dale for more information.

3.14. Rev Monitor

A category approved rev limit monitor must be fitted to all vehicles. This monitor will be available for purchase from the management of the Australian Motor Racing Series.

3.15 Vehicle Weight

The minimum weight for vehicles competing in the V8 Giant category, excluding driver, will be as per the equivalency table listed below:

Capacity (up to)	Valves/Cyl	Rev Limit	Minimum Weight
4000cc	4 (OHC)	7500rpm	1200kg
4600cc	4 (OHC)	7500rpm	1250kg
5000cc	2 (Pushrod)	7500rpm	1300kg
5400cc	4 (OHC)	7000rpm	1350kg
6000cc	2 (Pushrod)	7000rpm	1350kg
6400cc	4 (OHC)	7500rpm	1500kg
7000cc	2 (Pushrod)	6500rpm	1500kg

Adjustments to this equivalency table may be required to maintain parity.

3.16 Vehicle Compliance

All vehicles competing in the V8 Giants category shall comply with the spirit of the category. The AMRS Management reserves the right to refuse entry to any competitor and/or vehicle not complying with the spirit of the category.

4. Safety

4.1 Windscreen

All vehicles shall be fitted with a laminated windscreen.

4.2 Side Glass

Side glass may be replaced with Lexan or Perspex.

4.3 Roll Over Protection

The roll over protection for V8 Giants shall comply with the provisions outlined in the AMRS Sporting Manual. Windscreen cross bars will be permitted. Bar work for V8 Giants shall be permitted to commence at the front suspension and cease at the rear suspension.

4.4 Safety Harness

All vehicles shall be fitted with a drivers safety harness as per the AMRS Sporting Manual.

4.5 Window Nets

All V8 Giants vehicles shall have an acceptable safety window net fitted to the roll cage assembly as per the AMRS Sporting Manual.