

# ALBURY WODONGA & DISTRICTS CAR CLUB



## **MOTORKHANA/KHANACROSS STANDING REGULATIONS**

1. Seatbelts must be fitted to the vehicle and must comply with current Australian Standards or relevant international competition standard, and the requirement of the Albury Wodonga Districts Car Club.

2. **Classes and Handicaps :**

A handicap system will operate based on the class of the competing vehicle. Results will be determined by multiplying each competitor's aggregate time, including any penalties, by the factor for the entries class.

Class	Handicap	Description
Class A	0.9	Production Cars - wheelbase up to 2450 mm, 2WD engine over drive, or mid-engine.
Class B	0.88	Production Cars - wheelbase up to 2450 mm, 2WD engine away from drive.
Class C	0.88	Production Cars - wheelbase 2451mm and over, 2WD engine over drive or mid-engine.
Class D	0.84	Production Cars - wheelbase 2451mm and over, 2WD engine away from drive.
Class E	0.92	Production Cars - AWD or 4WD.
Class F	1	Specials

At the discretion of the Clerk Of Course, extended khanacross events may vary or abandon the classing system described.

3. Driver numbers will be assigned at the drivers briefing. A number will be placed in a hat for each entered driver at the time of the drivers briefing. A list of names will be printed before the drivers briefing, containing driver names in order of receipt of entry. A number will be drawn from the hat for each driver in order. The number will be recorded on the sheet and will become the driver's number. Subsequent run sheets will be printed in drivers number order.

For non-sealed events, and at the discretion of the event director, each test after the first will be started by the driver two numbers higher in the running order than the driver that was first to start in the previous test.

Drivers entering after the drivers briefing will be given the next highest number, and incur a WD penalty for the first test.

4. The event is open to all persons holding the appropriate competition AASA Club Racing licence, or an AASA recognised equivalent standard licence (or higher) which must be

presented at scrutineering on the day. AASA Club Licences may be purchased on the day of the event for \$50

5. The organisers reserve the right to refuse any entry without assigning a reason. The Clerk of Course may withdraw any entry on the grounds of safety, misconduct or inappropriate behaviour requirements of the Albury & Wodonga District Car Club.

## 6. JUNIOR COMPETITORS

Juniors must be minimum of 12 years of age to participate in Motorkhana event.

Juniors must be minimum of 14 years of age to participate in Khanacross event.

Juniors 12 – 14 years of age will participate in tests as a group, and will not be included in the Senior class competitive tests.

All junior competitors must be a minimum of 12 years of age and must not require the use of any additional support to fit in to seatbelts or see over the dash board and have full vision of the road.

All junior Competitors 12 – 18 must have a licensed adult competitor in the vehicle at all times during the competition.

All junior Competitors 15 – 18 years of age can compete in the Senior Class competitive tests and must have completed at least one Motorkhana competently or have a licensed adult competitor in the vehicle until they are deemed competent.

All under 18 year old participants must sign an indemnity on the day and must have approval from their parent or guardian. If the parent or guardian is not present at the event, a letter giving permission to participate must be received.

All junior competitors and senior passengers must abide by the requirements in these Supplementary Regulations, including clothing and helmet.

7. Passengers are not permitted unless the driver is a Junior under 18. The course marshal has full discretion when evaluating junior drivers and his/her decision is final.
8. Vehicles will be scrutinised in accordance with the club's requirements for Motorkhana and Khanacross vehicles (See Appendix A). Scrutiny will include assessment of the vehicle's competition class.
9. All competitors must wear non- synthetic clothing such as cotton or wool to cover the body from head to toe to wrist whilst competing in Khanacross.
10. All competitors must wear a safety helmet whilst competing. Helmets bearing any of the following markings are approved for use:

AS1698, Australian Standard; Snell SA 90, M90, SA95, SA 2000 USA Standard; SF1 Spec. 31.1, 31.2, British Standard BS 6658-85 Type A and A/FR (including amendments).
11. Competitors are reminded that the possession and use of Halon/BCF fire extinguishers, other than where specific approval has been given by the E.P.A., is prohibited.
12. All loose objects must be removed from the vehicle.
13. **Noise** - All vehicles must be fitted with an effective muffler which diminishes the sound of the engines exhaust. The muffler must be so constructed that the maximum vehicle noise emitted does not exceed 95dB(A) measured at a point 30 metres from the track edge by approved measuring equipment.

Drivers of vehicles who record in excess of 95dB(A) at any time shall cease practise or racing upon notification by event officials and shall not resume until Clerk of Course, in consultation with the Chief Scrutineer, is satisfied that the problem causing the excessive noise, is

rectified.

14. A speed limit of 10km/h shall apply in the area surrounding the competition courses and must be observed whilst proceeding between courses.
15. Personal Accident - drivers, relief drivers, pit crew and officials are covered by AASA personal accident insurance.
16. The organizers may cancel, alter, abandon or post pone the event without assigning a reason.
17. Protests, if any, will be processed as per the dispute regulations set out in the Constitution of the Albury Wodonga Districts Car Club Inc.
18. **NO ALCOHOLIC LIQUOR** is allowed during competition times as noted in the event supplementary regulations. Where the event venue is a “dry site”, no alcohol is permitted at all. **PROHIBITED DRUGS** are not allowed at any time. Any breach of this regulation invites the imposition of severe penalties.
19. Any breach of these regulations will dealt with at the discretion of the Clerk of Course and the Albury Wodonga Districts Car Club.

## APPENDIX A

### Requirements for motorkhana / khanacross vehicles

#### 1. ALL VEHICLES

- a. shall have road wheels of not less than 10" nominal diameter;
- b. (except for vehicles entered in a class solely for Production Four-Wheel Drive Vehicles) shall have not more than two driven wheels;
- c. shall have not more than two steered wheels, save for production vehicles originally equipped with four-wheel steering;
- d. shall be fitted with tyres on all wheels which:
  - e. are pneumatic, containing gas only;
  - f. are in a safe condition. This does not prohibit tyres without tread pattern, but any such tyres will be subject to close examination by the scrutineers;
  - g. are not fitted with any anti-skid attachments such as studs, chains etc;
- h. if the event is conducted on an unsealed surface, the organisers may by a statement in the Supplementary Regulations restrict the types of tyres admissible to the event. The types of tyres which may be so prohibited are winter tread, bar-tread, mud-and-snow and hand-cut patterns;
- i. shall carry competition numbers.
- j. shall be adequately muffled so as to limit noise emission to a maximum of 95 dB when measured from a point 30 metres from the track edge.
- k. shall be scrutineered for safety and for vehicle eligibility before taking part in an event, including practice. Special attention will be paid to brakes, steering and tyres;
- l. shall conform to acceptable standards of condition and of presentation.
- m. All exposed rotating parts on the engine are to be guarded for walk-up protection.

#### 2. PRODUCTION VEHICLES

- a. Production vehicles are road going vehicles that have been manufactured or fabricated in a production run and sold to the public. Vehicles may be modified, but if in the areas listed below, the restrictions must be adhered to:
- b. Original body shell must be retained. The overall length and silhouette must not be less than the original. Spoilers, air dams and wheel arch flares may be added.
- c. Engine, firewall and front seats must remain in their original location.
- d. Body panels may be of a different material to a production part.
- e. Interior trim such as door trim (except both front doors) or carpet etc may be removed. If a roll cage is fitted, the rear passenger seats may be removed.
- f. All lighting equipment must be in place (eg, headlights, tail lights) but not necessarily in working order (competitors responsibility if road registered).
- g. The handbrake may be modified, but must work equally on both rear wheels.
- h. Racing slicks, racing retreads and tyres marked "not for road use" or "racing purposes only" are prohibited.
- i. The weight of the vehicle must not be less than 95% of the specified kerb weight for the vehicle. Windows may not be removed unless replaced with an alternate material.

#### 3. SPECIALS

Specials are either:

Purpose-built vehicles, which must:

- a. have a wheel base not less than 1800mm;
- b. be of sound and solid construction;
- c. be fitted with some form of protection between the engine and driver's compartment suitable and sufficient to prevent the passage of flame;
- d. be fitted with a solid and rigidly attached floor, and covers of solid material which effectively separate the passenger compartment from the exhaust system, the transmission shaft/s and joints, the brakes, the road wheels and their attachments and linkages;

- e. have sides on the passenger compartment extending at least from the toe-board to the rear of the seat/s,
- f. contiguous with the floor throughout their length, of a height not less than 150mm above all parts of the uncompressed seat cushion/s;
- g. be fitted with a securely attached driver's seat;
- h. Specials must be fitted with a roll over protection structure (ROPS) complying with the following requirements:

For Specials of up to 500kg and/or with a chassis width equal to or less than 750mm (measured at the widest point of the roll bar)

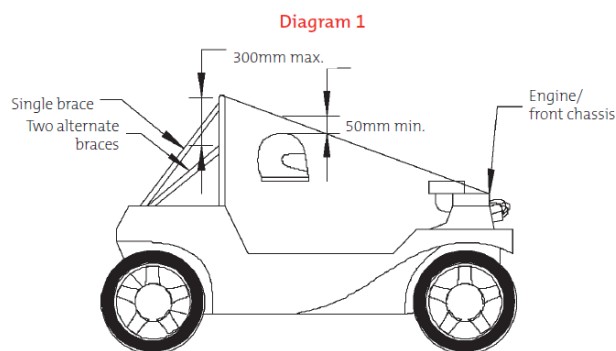
(a) As an alternative to the single brace design illustrated, two braces may be employed, which must be fitted not more than 300mm from the top of the main roll bar (refer Diagram 1). All braces must be straight.

(b) The roll over protection structure must be constructed of mild steel of circular cross section, with a minimum yield strength of 250MPa.

Component	Outside Diameter	Wall Thickness
Main Hoop	30mm min	1.5mm min
All Other Components	25mm min	1.5mm min

(c) The entirety of the main roll bar must be behind the driver's helmet (no minimum or maximum distance is specified) when viewed from the side and the driver is seated in the normal driving position.

(d) Minimum of 50mm clearance is to be maintained above the driver's helmet (for all drivers of the vehicle) when measured perpendicular to an illusory line drawn from the top of the main roll bar to the top of the engine (not including peripherals such as carburettors) or alternatively the chassis at the front of the vehicle. Refer to diagram 1.



- i. fitted with at least a lap-type seat belt;
- j. be fitted with a fuel tank safely and securely installed;
- k. have any battery safely and securely installed;
- l. have all brake, fuel and electrical lines securely mounted;
- m. not have any open carburettor intake/s intruding into the passenger compartment. The use of flame retardant air cleaner/s is recommended;
- n. have mudguards (if fitted) securely mounted;
- o. any form of electronically-controlled traction, braking or suspension control aids are forbidden or

Production-based vehicles which have any of the following features:

- a. significantly lightened
- b. fitted with fiddle brakes
- c. fitted with a foot brake operating only on the rear wheels
- d. fitted with racing-type tyres or slick recapped tyres, or any tyre marked "not for highway use", "for racing use only" or similar.

#### 4. MINI MOKES

Mini Mokes shall be fitted with either:

- a. a roll over protection structure (ROPS) to be at least a Half Roll Cage,  
or alternatively
- b. the standard original equipment manufacture (OEM) ROPS.

The structure must comply with the following

Component	Outside Diameter	Wall Thickness
Main Hoop	38mm	2.5mm
All Other Braces	30mm	1.5mm

All material is to be mild steel, circular in section, with minimum yield strength of 250 MPa.