



Rover Scout Motorsport

# Khanacross Standing Regulations

Series Regulations

Effective as of August 2017.

Updated August 2017

Rover Scout Motorsport (Victoria)

ROVER SCOUT MOTORSPORT  
**KHANACROSS STANDING REGULATIONS**

Changes/Additions are in Bold and Underlined.

Deletions are in Strikethrough.

**MEMBER ELIGIBILITY**

**1. Crew Requirements**

- 2.1. All entrants and crew members must be registered members of Rover Scout Motorsport (RSM).
- 2.2. All entrants and crew members must comply with section 6. DRIVERS of the Khanacross Regulations found in the Autotest Manual.
- 2.3. All Crew members must comply with the CAMS ALCOHOL POLICY and NCR 145A
- 2.4. All Crews are required to send a representative to 50% of the yearly RSM committee meetings or acknowledgment via an apology.
- 2.5. Competition will be conducted with one (1) driver and one (1) passenger in the car.
  - Therefore all cams requirements regarding passengers must be followed.

**2. Crew Apparel**

- 2.1. In line with section 6. DRIVERS of the Khanacross Regulations found in the Autotest Manual apparel must be worn as per Schedule D-Apparel for Autotest, Khanacross Multi-club requirements.

**COMPETITION VEHICLES**

**3. General Requirements**

- 3.1. All vehicles must comply with section 5. VEHICLE REQUIREMENTS of the Khanacross Regulations located in the Autotest Manual. This includes schedule A and Group 4H of the CAMS Manual of Motor Sport.  
Note: Section 5 contains Fire Extinguisher Requirements
- 3.2. In addition to the above, any requirements from any items listed within this document and Schedule B of the CAMS Manual of Motor Sport must be adhered to.
- 3.3. Only two (2) Wheel drive vehicles are permitted to enter the event.
- 3.4. All competing vehicles must present to event scrutiny in a clean and “ready to compete state”.
- 3.5. CAMS may make changes to the CAMS Manual of Motor Sport these changes will be published in the form of a bulletin and may affect vehicle requirements.  
It is the crew’s responsibility to be aware of any such changes.
- 3.6. All vehicles must be pre-scruted once each championship series before the second round of the series, or before they compete in the championship series.
- 3.7. Any Vehicle involved in an accident is required to be re-scrutineered prior to returning to competition. For vehicles that have damaged their windscreen please refer to 14.2

**4. Vehicle Markings**

- 4.1. Competition numbers are registered with RSM and should be placed on the sides of the coachwork.
- 4.2. Numbers on the side of the coachwork must be clearly visible at night at a distance of 20m, numbers in compliance with the standard in Schedule K, Figure K1 are acceptable.
- 4.3. No commercial advertising is permitted on vehicles. An advertising board may be displayed in your pit area.
- 4.4. All vehicles MUST have CAMS SCOUT and Rover Scout Motorsport advertising affixed to the body.

## 5. Body Shell and Chassis

- 5.1. Vehicle should be free of sharp edges, loose panels and unsecured items
- 5.2. The use of distributable ballast is not allowed.
- 5.3. Vehicles with excessive rust which affects the integrity of the vehicle will not be allowed to compete.
- 5.4. Rust sections may be repaired with steel only.
- 5.5. Hybrid Vehicles that utilize a chassis attached to a monocoque type body shell are excluded.
- 5.6. For structural integrity, no holes are to be placed in main components of the chassis or body.
- 5.7. A solid towing point must be fitted securely within 400mm of the centre line of the vehicle, both front and rear. They must be clearly marked red.
- 5.8. A bow shackle is to be fitted to the tow point marked with a minimum load rating of 3 tonne.
- 5.9. A safety chain of 8mm (wire size) minimum, must be securely attached to each tow point and a solid part of the body, (not to the tow bar) by bolts, with a minimum of 8mm diameter and Grade 8 or superior, with a plate of not less than 30mm square and 6mm thick on each side of the mounting point.

## 6. Steering and Suspension

- 6.1. Steering and suspension componentry must be in good working order, that is, no excessive movement within the components.
- 6.2. If modifications are made, it must be demonstrated that all the parts affected are in a safe working condition.
- 6.3. All attachment bolts and nuts must be:
  - A/ fitted with split pins or
  - B/ Lock wired or
  - C/ NEW self locking nuts or
  - D/ Double lock nuts

## 7. Brakes

- 7.1. All competing vehicles must be fitted with a dual braking system so arranged that the pedal normally operates on all four wheels and, in the event of leakage at any point in the braking system, the pedal will control two wheels.
- 7.2. The brake system must be fully operational and be effective. There must be no fluid leaks within the system.

## 8. Engine and Driveline

- 8.1. Engines, Transmissions and Final drives must be securely mounted. The use of restraints is recommended but not mandatory.
- 8.2. The exhaust system must comply with Schedule B. The maximum noise emissions must not exceed 95dBa. This may be checked by the scrutineers as per, Methods of Measurement of Emitted Noise, CAMS Manual of Motor Sport and Trackside Testing.
- 8.3. The fitment of tail shaft safety strap as per Schedule B is required.
- 8.6. RSM does not waive the requirement for an oil catch tank to be installed as per Schedule B.
- 8.7. The requirement for a coolant catch tank from the radiator or cooling systems is waived provided that an overflow pipe be fitted and positioned to not cause injury to occupants if the vehicle overheats and boiling water escapes.
- 8.8. Engines are to be in a working order, this includes no oil leaks or excessive smoke emissions.

## 9. Electrical

- 9.1. Two headlamps of 100 watts per lamp minimum, or equivalent, are required for the night events.
- 9.2. A rearward facing lamp of a minimum of 21 watts, or equivalent, amber in colour, must be fitted to the rear of the vehicle and remain luminous whilst ignition is "on".
- 9.3. Two working tail, and stop lights with at least one reverse light.
- 9.4. The battery must be securely mounted. If the battery is mounted in the passenger compartment it must be fully enclosed and a breather fitted which expels the gases to the exterior of the vehicle.
  - NOTE: As per Schedule B a blue triangle, is to be used to indicate the location of the battery.
- 9.5. All vehicles must be fitted with a horn (audible warning device).
- 9.6. Wiring must be safe and appropriately mounted.
- 9.7. A battery isolation kill switch is to be fitted. It must perform two duties when turned off;
  1. It must isolate and disconnect the battery.
  2. It must stop the engine and any electric fuel pump/s, if fitted.
    - NOTE: Be aware that an engine may continue to run even though the battery has been isolated, this is due to the alternator producing power for the ignition system; make sure the power wire is part of the isolated system.
- 9.8. The isolation switch is to be accessible to both crew members and marked in red.
- 9.9. For automatic transmission vehicles an operative inhibitor switch must be fitted.

## 10. Wheels and Tyres

- 10.1. For sedan type vehicles the complete wheel and tyre must be inside the confines of the body.
- 10.2. The use of dual wheel systems, traction aids or agricultural tyres are PROHIBITED.

## 11. Fuel and Fuel Systems

- 11.1. The fuel tank filling cap must be to manufactures specifications and screw or lock into position.
- 11.2. Fuel tanks are not to be fitted in the area of the vehicle occupied by the crew.
- 11.3. If non-standard fuel tanks are fitted, they must be securely mounted and a metal fire wall must be fitted between the tank and the crew.
- 11.4. Fuel tanks must have an external breather as per Schedule A.
- 11.5. All hoses and fittings must be of a good standard and securely mounted.
- 11.6. Flexible fuel line must be rated for the correct pressure and good quality metal worm drive clamps are to be used.
- 11.7. Metal fuel lines may only run through the vehicle if they have a secondary cover for protection and with no joins in the area occupied by the crew.
- 11.8. Refuelling of competition vehicles is ONLY to be done in the designated area of the pits/service park. The fuel used will be from your own supplies.

If a competitor is seen to be refuelling the vehicle outside this area, penalties will be applied.

## SAFETY FOR COMPETING CREWS

### 12. Seats

- 12.1. Seats must be of a safe design and when fitted, not to be allowed to recline more than 15 Degrees.
- 12.2. All seats are to be securely fixed to the vehicle, as per Schedule C.
- 12.3. If the seat does not incorporate a head restraint, then a separate device must be fitted. The minimum dimensions are to be, 250mm square and 35mm thick. It must be of high energy absorbing material and mounted within 50mm of the helmet, when driver or passenger is in a normal seated position.

### 13. Safety Harnesses

13.1. A type B four (4) point safety harness is to be mounted as per Schedule I.

### 14. Windows and limb Restraints

14.1. Front windscreens if fitted must be laminated glass in good condition. The screen must be labelled.

14.2. If no front windscreen is fitted, a steel mesh screen must be fitted, with openings no larger than 25mm x 25mm.

14.3. Vehicles competing in special tests must use window nets that comply with Schedule I for Circuit races

Side windows are to be up if no net is fitted, and car must have a working demister.

14.4. Wrist restraints are recommended but not mandatory, if used, it will not negate the requirement of the fitting of side window netting.

### 15. Roll Over Protection Systems

15.1. A R.O.P.S must be constructed and fitted as per Schedule J. This is to be a **type 3 roll cage** for use in **competition with more than one occupant** and have **doorbars, roof reinforcement is not mandatory** but is recommended.

15.2. For Frame type vehicles refer to GR 9 for Off Road Vehicles, Minimum requirement is diagram 1.

### 16. Log Booked Vehicles

16.1. Vehicles that hold a current CAMS Log Book must present this at the event scrutiny they will then be exempted from the following rules; 5.8 and 5.9

## EVENT GUIDELINES

### 17. Entries

2.6. As per the Khanacross Regulations found in the Autotest Manual (Section 6)

### 18. Non Rover Teams

18.1. Non Rover Teams are ineligible to compete in tests designated as Rover Advisor's and Rookie's only.

18.2. The term 'Rookie' for RSM events is any competitor aged 21 or under at driver sign in or in there first year of the championship.

### 19. Essential Officials

19.1. It is recommended that Essential Officials (as listed below) should not compete in any competition at which they are appointed as an Official.

This is to ensure fairness and transparency in regards to any advantage that may be suggested.

In addition, it is recommended that any competitors that have participated in course testing activities be permitted to race providing they forfeit any placings, trophies and RSM Championship Series Points for that event.

19.2. Definition of Essential Officials:

- Clerk of Course(s) / Event Director

- Stewards (Where appointed)

19.3. Essential Officials may, where a suitably qualified substitute is available and they elect to, drive at their own events, provided all competitors have done so first and times may be recorded for reference purposes only and are counted as non-competitive.

## **20. Course Testing**

20.1. Course testing is to be conducted only during daylight hours. Twilight and Night time testing of courses is not permitted due to safety reasons and to minimise disruptions to venue neighbours.

*Note: All Schedules Referred to in this document can be found in the current edition of the Confederation of Australian Motor Sports Manual.*