



## **REGULATIONS AND SPECIFICATIONS FOR THE 2007 NORTHERN REGIONS ALFA ROMEO CLUB OF SOUTH AFRICA CLASSIC TROFEO RACE SERIES**

### **MSA NORTHERN REGIONS MOTORSPORT CIRCULAR NUMBER XX / 2007**



#### **Aim of the Series:**

To promote a race series for classic Alfa Romeo owners in South Africa with the following goals:

- Classic looks, modern performance
- Accessible and informal
- Positive atmosphere amongst drivers and enthusiasts
- Mutual respect on and off the track
- Affordable racing
- To declare 2006 Class and Overall Series Winners

#### **Title:**

The name of the series shall be Alfa Romeo Club of South Africa Classic Trofeo Race Series hereafter known as "Trofeo".

#### **Controllers of the Series**

The Controllers of the Series will be Motorsport S.A. (herein referred to as MSA), who have delegated the management and control to the Northern Regions Motorsport Committee and a sub-committee of the Alfa Romeo Club of South Africa known as the Trofeo Committee.

The Trofeo will have a committee comprising the following:

- Executive (4 members)
- Scrutineering Team (2 members)
- Technical Assistance Team (2 members)
- Driver Training Team (2 members)

#### **Jurisdiction:**

All qualifying races will be held under the General Competition Rules (GCR's) and Standing Supplementary Regulations (SSR's) of Motorsport South Africa (MSA), these Standing Regulations and the Supplementary Regulations issued by the Promoters.

### **Eligibility:**

The Series is open to all holders of valid competition licences issued by MSA and who are domiciled in the area under the jurisdiction of the MSA Northern Regions Motorsport Committee. All competitors are to be current members of the Trofeo (Alfa Romeo Club of South Africa, West Rand Alfa Club and Pretoria Alfa Romeo Club) with eligible vehicles. Entries from competitors not domiciled in the NR areas will be accepted on an invitation basis, provided all other requirements detailed herein are fully complied with. A registration fee is payable per year to enter the series. The registration fee will be set each year at the annual general meeting. Competitors will be responsible for all race fees. The Trofeo is not responsible for individual entry acceptance for any event. The Trofeo is a division of Alfa Romeo Club of South Africa (hereafter known as "ARCSA").

### **Eligible Vehicles:**

Alfa Romeo cars originally designed and supplied before 1985 that comply with the Vehicle Specifications are eligible. Initial eligibility inspections and classifications, with yearly compliance inspections, will be arranged by the Scrutineering Team. All eligible vehicles will be issued with an official sticker to be displayed at all times. Any queries or protests regarding individual vehicles' eligibility will be decided upon by the committee.

Eligible vehicles include (but are not limited to) all variations of the following Alfa Romeo models:

- 33
- 75
- 101 Giulietta – Ti, Sprint, Spider, Sprint Veloce
- 105 Giulia - 1300 Berlina, 1300 Ti, 1300 Super, Ti, Super, 1750, 2000 Berlina, Sprint GT, Sprint GT Veloce, 1750 GTV, 2000 GTV, GT 1300 Junior, Montreal, Spider
- 115 Giulia – GT 1600 Junior
- 116 Alfetta – GT Coupe, GTV, Berlina, GTV 6, Giulietta
- 119 Alfa 6
- 750 Giulietta Sprint
- 753 Giulietta Ti
- 901 Alfasud
- 902 Sprint

Specific exceptions for models not falling within the above listing will be made based on individual applications made to the committee.

### **Determination of Series:**

The series will be run in the following classes:

- Ti Class** - Standard Alfa Romeo cars
- Veloce Class** - Modified roadworthy Alfa Romeo cars
- GTA Class** - Open class for race prepared Alfa Romeo cars

A minimum of 3 vehicles will be required to constitute a class. Should insufficient entries be present at an event, a competitor may opt to enter another class, provided the chosen class is at least one category higher than that originally entered into.

As the series is run on a handicap basis, and until such time as numbers are sufficiently consistent to ensure class segregation, points and awards will be made for overall positions only.

**Series Structure:**

The series will run in accordance with season as detailed in the MSA calendar of each year. Race dates will be determined by the MSA Northern Regions Motorsport Committee. The series will consist of a minimum of 5 race meetings.

Points will be awarded on the following basis for each heat towards the series championship:

Overall win	-	10 points
2 <sup>nd</sup>	-	9 points
3 <sup>rd</sup>	-	8 points
4 <sup>th</sup>	-	7 points
5 <sup>th</sup>	-	6 points
6 <sup>th</sup>	-	5 points
7 <sup>th</sup>	-	4 points
8 <sup>th</sup>	-	3 points
9 <sup>th</sup>	-	2 points
10 <sup>th</sup>	-	1 point

Should there be fewer competitors than 6 in a heat, points will be awarded as follows:

5 Competitors	-	9/8/7/6/5	points
4 Competitors	-	8/7/6/5	points
3 Competitors	-	7/6/5	points
2 Competitors	-	6/5	points
1 Competitor	-	5	points

An additional 2 points will be awarded to each competitor attending official practice. For all "away" events (Lichtenburg / Phakisa), any competitor who participates by commencing a lap of the circuit during official practice / qualifying, will be awarded an additional 10 points towards the Overall Championship.

To be eligible for any series points or awards, an entrant must have entered the series and complied completely with all the rules prior to any race.

The committee will deduct 5 series points from any driver found to have performed any unsportsmanlike driving behavior during any event on the Trofeo calendar. This penalty will be in addition to any penalty applied by the Clerk of the Course.

### **Race Format:**

Trofeo race events will run according to the following format:

Warm-up	-	Untimed practice of a minimum of 10 minutes (Mandatory for novices only)
Documentation	-	Mandatory for all entrants (3 point penalty for failure to attend)
Drivers Briefing	-	Mandatory for all entrants (3 point penalty for failure to attend)
Official Practice	-	Timed practice sessions of a minimum of 10 minutes
Race Heat	-	Minimum 8 lap race, depending on circuit length (2 heats)

Specific times for each Trofeo event schedule will be issued 2 weeks prior to each event. These times will be determined by the organisers of the race meeting and will be published in the event Supplementary Regulations and any Final Instructions issued by the event organisers.

Each competitor's official practice and heat times will be taken into consideration for a handicap based starting position.

All classes will run on the track together, provided the complete number of entrants does not exceed 30, at which time the field will be split accordingly.

Where a race meeting is cancelled without a heat race being run past 80% of scheduled race distance, the meeting will be considered void and not counted as part of the Trofeo series.

All novices will only be allowed on the track with the "novice tape" attached to the rear of their vehicle. This tape will be provided by the committee, and will be removed once the competitor is no longer deemed to be a novice race driver.

### **Handicap System:**

The position on the grid for each heat is determined by taking the individual handicap time for that heat multiplied by the number of laps and adding a ½ second per car to be passed. Cars are set off at different intervals with the slowest car starting first and the fastest last.

The handicap lap time is set for the first heat based on the fastest qualifying lap time on the day with an option for the driver to nominate a faster lap time to avoid breaking the handicap lap time after adjusting for the allowance. Any Competitor failing to take part in an official qualifying session and failing to nominate a handicap lap time, will be given a handicap time based on historical data at the discretion of the individual responsible for calculating handicapping on the day. The competitor will have the option to nominate a time subject to the exclusion rule below. (The allowance is 2.5% in the first heat and 1.5% in the second). If the handicap lap time is improved upon by more than 2.5% in the first heat (for one lap only) then the driver is excluded from the results for that heat. The second heat handicap time uses the best lap time from the first heat or practice time, which ever is fastest (no options for change). Should the lap time in

any single lap be an improvement of more than 1.5% on the handicap time, the driver is excluded from the results for that heat.

The Clerk of the Course and the individual responsible for calculating handicapping on the day must be notified should a competitor be unable to compete in a heat. Should weather conditions or conditions of the circuit during the race be very different to the conditions which applied during official practice, the exclusion of competitors due to beating handicap time including the relevant allowance may be waived or the allowance amended.

### **Vehicle Specifications:**

**Preamble** The Trofeo is intended to promote friendly, competitive and affordable motor racing using Alfa Romeo cars. Modifications are limited in certain classes to ensure competing cars are of similar specification and all competing drivers have equal opportunity to win the series.

**General** All cars are expected to look standard in appearance, and be smartly maintained and presented. The Trofeo is open to all Alfa Romeos designed, manufactured, and supplied before 1985 (specific exclusions will be granted dispensation on a case by case basis). All official Trofeo and series sponsorship decals (including numbers and class allocation) are to be displayed at all times during Trofeo events.

Each vehicle is expected to conform to the following minimum safety requirements:

- Fire extinguisher of minimum 1kg capacity (inspected and certified by an authorized inspection service every 6 months) securely fastened within drivers reach once fully seated and strapped in.
- Hubcaps and wheel embellishers must be removed.
- Remoulded or retread tyres are not permitted.
- FIA approved harness, unless specific exclusion has been granted by MSA.
- All glass light lenses to be taped over.
- Windscreens must be of laminated type. No window tinting allowed.
- Oil filter secured with locking wire.
- Oil sump plug lockwired.
- Gearbox drain plug lockwired.
- Differential drain plug lockwired.
- Ignition key operational, if so fitted.
- Engine coolant expansion tank fitted (minimum 1 liter).
- Open engine breathers to be fitted with an oil vapour catchpot (minimum 1 liter), or routed to air intake filter housing, if so fitted.

- At least 2 rear view mirrors to be in position and secure.
- All spare wheels, tools and other loose items removed during events.
- No visible fluid leaks.
- No glycol based antifreeze or coolant additives to be added to cooling water.

Each entrant is expected to adhere to the following minimum requirements regarding personal safety:

- Long sleeve shirt, long trousers and closed shoes to be worn at all times whilst in the vehicle (drivers are encouraged to wear fire resistant racing overalls).
- Helmet and gloves are to be worn at all times during events, and are required to be presented for scrutineering.

**Ti Class** - Standard Alfa Romeos with no modifications other than those for reasons of safety allowed.

### **General:**

Roadworthy / roadgoing and preferably road registered Alfa Romeos.

### **Trim:**

All interior trim (including carpeting, headlining and instrumentation) is to remain fitted. The original drivers seat may be replaced with a competition seat. Steering wheels may only be replaced with a unit originally specified as an Alfa Romeo approved accessory. Roll cages are recommended but not mandatory (entrants not having roll cages will be required to sign an indemnity on registration). A competition harness is mandatory. Harnesses are to be FIA approved, with a minimum of 3" shoulder straps fitted. Specific exclusions granted by MSA will be accepted, provided the driver can produce written evidence of such exclusion.

### **External:**

Bumpers may be removed, but preferably retained. Aerodynamic modifications are not permitted. Glasswork to remain as per the original model concerned other than the fitting of a laminated windscreen. Should laminated windscreens not be available for a particular model, the controllers may specify a windscreen of alternative material. All external lights (headlights, taillights, indicators) must be present and functional. Externally accessible towing eyes are to be fitted front and rear, and clearly marked "TOW".

### **Engine:**

Engines must be a standard Alfa Romeo engine and must be originally from the model concerned. Intake systems (carburetor or fuel injection system) must remain as per original specification with original air filtration systems. Flywheel and clutch must be standard as originally fitted to the model concerned. No oil cooling unless originally fitted. Cooling system must be from the model concerned. Cooling fan must be original. Electronic ignition systems

may be fitted. Battery position to be as per originally mounted in the model concerned. Fuel pump position and type to be as per original.

### **Electrical system:**

Wiring harness to remain standard. Externally accessible ignition cut-out switch or trigger mechanism operating an internal ignition cut-out switch (capable of isolating the battery and cutting the ignition and electric fuel pump (if fitted) without any additional internal or external switches being de-activated) to be fitted, operational, and clearly marked with the internationally standard "red lightning bolt on blue background".

### **Exhaust:**

Exhaust systems must be standard to the first silencer box, after which they are free, provided the number of silencers fitted is the same as the original and they conform to the relevant Road Ordinance Act.

### **Drive train:**

Transmissions and differentials must be from the model concerned and must remain standard.

### **Suspension:**

Suspensions must remain standard for the model concerned. Camber, castor and toe settings are free. Spring and damper rates may be altered. Ride height must be within 20 mm of standard. No rose-jointing of any suspension component is allowed. Anti roll bars must remain standard where fitted.

### **Steering:**

Steering mechanism to remain standard.

### **Brakes:**

Brake friction material and fluid are free. No other brake modifications are allowed.

### **Wheels and tyres:**

Wheels must be from the model concerned. Tyres must be street legal (skimming allowed) or semi-slick units, no full slicks allowed.

### **Vehicle weight:**

Vehicle weight to remain within 5% of original registered licensing mass.

## **Veloce Class** - Modified roadgoing Alfa Romeo cars

### **General:**

Standard Alfa Romeos with minimal modifications allowed. All vehicles must be in roadgoing condition but need not be registered.

### **Trim:**

All interior trim (including carpeting, headlining, sound deadening material and seats) may be removed. Instrumentation, utilising the original dashboard orifices and mounting points, may be modified. The original drivers seat must be replaced with a competition seat, along with a competition harness (minimum 4 point). All harnesses are to be FIA approved, with a minimum of 3" shoulder straps fitted. Steering wheels are free, however, the use of period Alfa Romeo approved accessories is encouraged for sake of originality. Roll cages (minimum 6 point) are mandatory.

### **External:**

Bumpers may be removed. Aerodynamic modifications are not permitted. Glasswork is free. All external lights (headlights, taillights, indicators) must be present. On vehicles with 4 headlights, up to 2 units may be removed and replaced with suitable mesh for purposes of air induction for cooling or air intake purposes. Externally accessible towing eyes are to be fitted front and rear, and clearly marked "TOW".

### **Engine:**

Engines must be an Alfa Romeo engine and must be originally from the model concerned. Engine modifications are free. Intake system (carburetor or fuel injection) modifications are free. Flywheel and clutch modifications are free. Oil cooling permitted providing the oil cooler does not alter the external silhouette of the vehicle. Cooling systems and fans are free. Electronic ignition systems may be fitted. Battery position is free. Fuel pump position and type are free. Air filtration systems are free.

### **Electrical system:**

Modifications are free. Externally accessible ignition cut-out switch or trigger mechanism operating an internal ignition cut-out switch (capable of isolating the battery and cutting the ignition and electric fuel pump (if fitted) without any additional internal or external switches being de-activated) to be fitted, operational, and clearly marked with the internationally standard "red lightning bolt on blue background".

### **Exhaust:**

Exhaust systems are free, provided they do not produce a noise level in excess of 105 dBA @ 5 meters at any stage of the motor's rev range. Side exit exhausts are allowed.

**Drive train:**

Transmissions and differentials must be Alfa Romeo and may be modified. Fitment of limited slip differentials is permitted, provided an Alfa Romeo unit is used. Percentage slip is free.

**Suspension:**

Suspension modifications are free. Camber, castor and toe specifications are free. Spring and damper rates may be altered. Ride height is free providing no part of the vehicle's undercarriage touches the ground when one or more tyres are without air pressure. Rose-jointing is allowed. Anti roll bars are free.

**Steering:**

Steering mechanism is free.

**Brakes:**

Brake modifications are free. Driver adjustable brake bias proportioning systems are allowed.

**Wheels and tyres:**

Wheels must be from the model concerned, or period Alfa Romeo approved accessories. Tyres must be street legal (skimming allowed) or semi-slick units, no full slicks allowed.

**Vehicle weight:**

Vehicle weight is free.

**GTA Class** - Open class for race prepared Alfa Romeo cars

**General:**

Standard Alfa Romeo road cars converted to race cars.

**Trim:**

All interior trim (including carpeting, headlining and seats) may be removed. Instrumentation and dashboard may be modified, however, the use of the original dashboard casing and silhouette is encouraged. The original drivers seat must be replaced with a competition seat, along with a competition harness (minimum 4 point). All harnesses are to be FIA approved, with a minimum of 3" shoulder straps fitted. Steering wheels are free. Roll cages (minimum 6 point) are mandatory.

**External:**

Bumpers may be removed. Aerodynamic modifications are permitted, provided the vehicle silhouette replicates the original model concerned, and the items fitted were originally Alfa Romeo approved accessories of the period. Glasswork is free, provided windscreen are of a laminated type or an approved plexiglass, such as Lexan®. Body panels may be replaced with

composite replicas providing the vehicles' silhouette is not altered. Externally accessible towing eyes are to be fitted front and rear, and clearly marked "TOW". All external lights (headlights, taillights, indicators), or replicas thereof must be present.

### **Engine:**

Engine must be an Alfa Romeo unit ("Twinspark" units are allowed). Intake system (carburetor or fuel injection) modifications are free. Engine modifications are free, including oversizing and capacity increases. Flywheel and clutch modifications are free. Oil cooling permitted providing the oil cooler does not alter the external silhouette of the vehicle. Dry sump systems are allowed. Cooling systems and fans are free. Electronic ignition systems may be fitted. Battery position is free. Fuel pump position, number and type are free. Air filtration systems are free. Forced induction allowed.

### **Electrical system:**

Modifications are free. Externally accessible ignition cut-out switch or trigger mechanism operating an internal ignition cut-out switch (capable of isolating the battery positive feed and cutting the ignition and electric fuel pump (if fitted) without any additional internal or external switches being de-activated) to be fitted, operational, and clearly marked with the internationally standard "red lightning bolt on blue background".

### **Exhaust:**

Exhaust systems are free for closed circuit racing purposes.

### **Drive train:**

Transmissions and differentials must be Alfa Romeo and may be modified. Fitment of limited slip differentials is permitted.

### **Suspension:**

Suspensions modifications are free. Camber, castor and toe specifications are free. Spring and damper rates may be altered. Ride height is free providing no part of the vehicle's undercarriage touches the ground when one or more tyres are without air pressure. Full rose-jointing is allowed. Anti roll bars are free.

### **Steering:**

Steering mechanism is free.

### **Brakes:**

Brake modifications are free.

### **Wheels and tyres:**

Wheels are free provided they are Alfa Romeo units. Tyres are free.

**Vehicle weight:**

Vehicle weight is free.

**Involvement in Other Race Series:**

In order for Trofeo members to gain exposure to other forms of racing, it is recommended that members join other race series for which their vehicles are eligible.

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