

## ALFA ROMEO TROFEO SERIES RULES 2009 – 2010

### Preamble

The Alfa Romeo Trofeo Series is intended to promote friendly, competitive, and relatively affordable motor racing, using Alfa Romeo cars. Modifications will be limited in some classes, to ensure that all competing cars are of similar specification, so that all competing drivers have an equal opportunity to win the series.

### General

All cars must look standard in appearance, and be smartly maintained and presented. All cars must comply with the requirements of the organizers of the individual race meetings and MSNZ Schedule A or AA in the MSNZ year-book. Cars must use standard Alfa Romeo parts produced for the model being raced unless specified below. Cars must be made available for eligibility inspection as required.

The Alfa Romeo Trofeo Series Committee should proceed with promotion and/or sponsorship opportunities, including expenditure necessary to co-sponsor or fund promotional aids from funds held, in accordance with the wishes of registered drivers reached in the General Business section of the Annual General Meeting. Guidelines should be presented for ratification at the next AGM.

### Trophies & Prizes

A Trophy shall be presented to the winner of each class as well as the overall winner based on total points obtained. Prizes will be presented as available to the Most Improved Driver & the Most Consistent Driver. Trophies & prizes will be awarded at a special function / dinner at the conclusion of the season.

### Aim

To promote a race series by the Alfa Romeo Owners Club of NZ (Inc) for its members with the aim of friendly, competitive and affordable motor racing.

### Title

The name of the series shall be "Alfa Romeo Trofeo Series"

### Jurisdiction

The series shall be run under the MSNZ Handbook and these rules.

### Entry

Entry is open to all members of the Alfa Romeo Owners Club of NZ (Inc) with eligible vehicles. A registration fee is payable per year to enter the series. The registration fee will be set each year at the annual meeting. The competitor will be responsible for all race fees. Trofeo Series is not responsible for individual entry acceptance for any event.

### Eligible Cars

Alfa Romeo cars that comply with the Vehicle Specifications are eligible. Any questions regarding vehicle eligibility or specification shall be decided by the committee. Initial eligibility inspections will be arranged by the Eligibility Officer or Chairman.

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### Determination of Series

**Trofeo Class** : Semi modified Alfa Romeo cars

**Veloce Class** : Alfa Romeo cars up to 3200cc with modified brakes, suspension and engine. Bodywork and trim remain standard

**GT Junior class**: Alfa Romeo cars with modified bodywork, brakes and suspension and interior, with standard specification engine.

**GTA Class** : Open class for Alfa Romeo cars

A minimum of 3 cars will be required to constitute a class

### Series Structure

The series will run from the start of September to the end of June of the following year. The races for the coming season will be selected by the organizing committee. The series should consist of 7 or more race meetings. A race meeting may consist of a number of races, the first two being

Trofeo points races. Competitors may race within races arranged by the club hosting the meeting. Special races need not be organized. At the conclusion of each race in the series, points will be awarded per class to each driver in accordance with the following scale ; 20, 15, 12, 10, 8, 6, 4, 3, 2, 1 for 1st to 10th places respectively. 5 points will be awarded for each competitor who enters a series race meeting excluding cancelled meetings. Where a race meeting is cancelled without a points race being started, then the meeting will be considered void and not counted as part of the Trofeo series.

To be eligible for any series points or awards an entrant or driver must have entered the series and complied completely with all the rules prior to the race. The Chairman & Secretary will deduct Series points from a driver for any unsportsmanlike behaviour. Competitors not adhering to the aims of our rules, this includes intimidation of another competitor or officials, will receive one written warning from the Committee. If another such incident occurs they will be excluded from the series for a minimum of 12 months from the date of the incident occurring.

### Handicap series:

Where possible a third race will be run at our series venues, this will be Handicap reverse Grid, to count for points for an additional overall handicap trophy. All Trofeo Classes will compete for the same trophy. Points awarded will be the same as drivers finish position, overall winner will be least points. Non participants will receive maximum points plus 1 for the race concerned.

### Finances

The series shall be financially independent of the Alfa Romeo Owners Club. Funds will be used to purchase trophies and prizes, and pay for administration costs. The Secretary shall look after all funds, keep records of all money transactions and present a financial report for the Trofeo AGM.

### Series identification and sponsorship

All cars entered in the series must carry an "Alfa Romeo Trofeo Series" windscreen decal of the appropriate class colour for the car as specified by the class rules. The windscreen decal may be changed from time to time by the committee to reflect sponsorship arrangements and to provide consistent class and series identification.

To facilitate any sponsorship arrangements that may be in place from time to time, competing vehicles must also carry a sponsor's decal on each side of the car in a prominent position. Only vehicles carrying windscreen and sponsors' decals will be eligible to score points in the series.

The sponsor's decals will be of a size negotiated with the sponsor by the committee, and will be of a size up to 300mm x 500mm, although individual drivers may elect to carry a larger or additional decals if they wish to support the sponsor by doing so.

### Annual Meeting

The annual general meeting (AGM) of the Alfa Romeo Trofeo Series is to be held at the end of the season. The rules and the associated vehicle specification may only be altered at the annual general meeting (AGM) if a minimum of 60% of the registered competitors/committee members present are in favour. This includes proxy votes. Voters present who abstain are not counted. The Alfa Romeo Trofeo Series rules or actions may not contravene the rules of the Alfa Romeo Owners Club of NZ Inc. The Secretary must receive in writing, any proposed rule change & nomination for the organizing committee at least 21 days before the AGM. No nominations from

the floor will be accepted at the AGM where a written nomination has been received for a specific position. The Secretary will advise all members of all remits & nominations received within the specified time.

### Organisation

A Trofeo Chairman, Secretary, Eligibility Officer and two others shall be elected at the annual general meeting (AGM) forming the Trofeo Committee. The committee shall be responsible for the keeping of race results, the calculation of awards and the resolving of disputes and the evaluation of drivers. As much of the organization as possible should be delegated to the competitors.

**Chairman** : Wendy Metcalfe 09 575 6072 / 021 423 234

**Treasurer** : Brian Todd 09 575 9976 / 027 5701080

**Points** : David Frith 09 838 9987 / 021 655 111

**Sponsorship** : Chris Browne 09 378 4117 / 021 617007

**Eligibility :** :Mark Rantin 09 575 6072 / 021 899 636

## Trofeo Class Rules 2009 – 2010

### Specification

For semi-modified Alfa Romeos conforming to the current MSNZ handbook, and the following specifications.

For class identification each car must have a Red "Alfa Romeo Trofeo Series" sticker at the top of the front window.

### Safety

Compulsory homologated roll cage, MSNZ approved race seat and minimum 4 point harness must be fitted.

Novice drivers must display 3 stripes 25mm wide by 300mm long on the top R/H corner of the rear window, after participating in 4 series race meetings the stripes may be removed.

### Bodywork

Bodywork must remain absolutely standard, with all interior and exterior trim fitted. Trim must be appropriate for the year and model. Interior and exterior modifications to the body shell by adding or removing material or using alternative materials is not permitted. Aerodynamic modifications are not permitted. The original driver's seat may be replaced with a recognized competition seat. Competition seat belts must be fitted. Homologated roll cage must be fitted. The passengers seat may be replaced with a racing seat and full harness seatbelt

### Engine & Transmission

The engine must be an Alfa Romeo engine, up to a maximum capacity of 1712cc. 16 valve engines are not permitted.

### All fuel injected engines and eight valve 1712cc engines.

Must remain standard in all aspects including induction. An engine oil cooler or oil/water heat exchanger may be fitted provided that it remains within the bodywork. The exhaust may be modified to allow for inboard brakes. Rebores are permitted to a maximum of 0.7 mm and aftermarket pistons may be used so long as they do not increase the compression ratio from

standard.

### **All carburetted 1490cc or 1600cc engines**

Components of the engine must be standard. Rebores are permitted to a maximum of 0.7 mm and aftermarket pistons may be used so long as they do not increase the compression ratio from standard. Balancing of components is permitted. Porting of the heads is permissible. Camshafts are free to a maximum of 10.0 mm lift and 292 degrees duration. Carburettors up to 40mm for the above engine can be used and re-jetting is permitted. The air induction system to the carburettors may be modified. An oil cooler is permitted provided that it remains within the bodywork. Exhaust system is free. Exhaust modifications must be fitted with muffler(s) to Warrant of Fitness standard and must comply with any local race track noise limits. Any other optional performance and/or after market, modifications and equipment is not permitted. ie. NO modifications may be made.

### **Transmission.**

The transmission must be a standard Alfa Romeo, no modifications may be made.

### **Suspension**

The suspension must remain standard although spring and damper rates may be changed. Standard Alfa 33 front suspension components, hubs and drive shafts may be fitted to allow fitment of standard Alfa 33 front brakes. Anti-roll bars front and rear are free. Rubber suspension bushes may be replaced with another material. Alternative joints are not permitted.

### **Brakes**

Standard Alfa tandem setup must be retained. Disc pad materials are free. A mechanically or hydraulically actuated handbrake can be used on the back wheels for safety reasons. The original inboard front callipers must be used for inboard applications but can be modified with removal of handbrake set up. Vented front rotors are permitted as long as they are the same diameter as original rotors. Vehicles originally fitted with inboard front brakes may be converted to outboard front brakes using standard components from the Alfa 33. Rear brake bias valve can be modified, relocated, or replaced with an appropriate alternative. Brakes must operate on all four wheels Brake air ducting is permitted; the ducting may not protrude beyond the bodywork and must not alter the bodywork/trim.

### **Wheels & Tyres**

Standard Alfa Romeo wheels must be used. Wheels & tyres must fit within the bodywork. Tyres must be New Zealand road legal to a maximum section size of 185mm and a minimum aspect ratio of 60. The Michelin TRX metric rim & tyre (190/55/340) is permitted. Re-treaded tyres are not permitted.

### **Fuel to be Used**

Only normal pump fuel may be used.

## **Veloce Class Rules for 2009 - 2010**

### **Specifications**

For Modified Alfa Romeo cars up to 3200cc.

All cars must comply with Schedule A for scrutineering, and must comply with the specifications below. For class identification each car must have a Green "Alfa Romeo Trofeo Series" sticker at the top of the front window

### **Bodywork**

Refer Trofeo Class Rules 2009-2010; Bodywork. Additionally the original drivers seat must be replaced with a recognised competition seat, passenger seat may be replaced with recognised

competition seat and belts. Bumpers must be fitted. Tow hooks fitted to the MSNZ manual. Fibreglass boot lid and bonnet permitted but must have similar weight to steel components.

### Engine

Must be Alfa Romeo and cannot be changed from one model to another in the manufacturer's range. Up to 2000cc for inline engines, V6 engines up to 3200cc. Boxer engines up to 1712cc. Max rebore not to exceed 0.7mm. Camshafts not to exceed 11.5mm lift. Carbs must be 45mm or less. Fuel injection is permitted if standard equipment for that car. Exhaust and air induction is free. Turbo and/or super charging not permitted.

### Chassis

The standard chassis must retain full structural integrity. Any alternatives are strictly prohibited. Transmission tunnel and inner guards to remain as standard. Addition of stiffening material and components is permitted.

### Transmission/Differential

Clutch/Pressure plate free. Transmission must be Alfa Romeo and have the same amount of ratios as standard. Standard gear shift mechanisms and driveline components must be retained. Differential must be Alfa Romeo, limited slip/locked permitted and ratios can be changed within the manufacturer's range.

### Suspension

Original componentry must be retained but can be modified. Standard suspension points must be used. Spring, damper rates, bush material and top mounts are free.

### Brakes

Alfa Romeo master cylinder must be used/brakes must operate on all 4 wheels. Handbrake to operate if tandem master cylinder not fitted. Brake air ducting not to protrude beyond the bodywork.

### Wheels

Mags or similar for the relevant model may be used, but they must fit within the bodywork. Wheel width must not exceed 7 inches and wheel diameter must comply with the manufacturer's specs. for the model concerned.

### Tyres

Must be dot rated and legal for road use. Must not exceed 205mm for width, unless a greater width was manufacturer fitted for the model concerned. Aspect ratio is limited to 50% minimum, unless lower aspect ratio was manufacturer fitted for the model concerned.

### Glazing

Fitting of laminated windscreen is strongly recommended, all other window glass must remain standard. Front door window operating mechanisms must be retained and drivers must be able to operate.

### Safety

Novice drivers must display 3 stripes 25mm wide by 300mm long on the top R/H corner of the rear window, after participating in 4 series race meetings the stripes may be removed.

## GT Junior Class Rules 2009 – 2010

The Spirit of the GT Junior Class

To provide an affordable and competitive class which allows people to modify and improve race cars without too many restrictions while still retaining the car's original appearance.

### Specifications

Cars must conform to current MSNZ Handbook Schedule A, and the following specifications.

Please note where the word "FREE" is used it means to schedule A.

For class identification a white "Alfa Romeo Trofeo Series" sticker must be fitted at the top of the front windscreen.

### Safety

Compulsory homologated roll cage with minimum of at least one side intrusion bar each side (two intrusion bars if lightweight doors fitted). MSNZ approved race seat and minimum 4 point harness must be fitted.

Novice drivers must display 3 stripes 25mm wide by 300mm long on the top R/H corner of the rear window, after participating in 4 series race meetings the stripes may be removed.

### Glazing

All glazing other than windscreen may be substituted with alternative transparent material, driver's side window must have an opening to allow for external hand signals. It is strongly recommended that rear screens be 5mm thick.

### Exterior

Overall original appearance must be retained with trim being retained. Replicas are permitted but must be from Alfa Romeo race cars and correct in all aspects. Common production body kits, (e.g. Zender/Trofeo/GTAM), minor wheel arch flares, and front spoilers are permitted providing they were original specification on that model range. Only standard design rear spoilers are permitted. Undertrays not permitted. Bumpers may be removed when not forming part of the body shape. Head lights can be substituted with covers or mesh. Doors, bonnet, boot, nose cones, rear panels and mudguard skins can be made of composite materials, but they must be the same shape as the original. Interior framework of doors/bonnet/boot can be lightened. The vehicle shall be smartly maintained and presented in a finished state.

### Interior

Front passenger seat must be fitted; if passengers are carried it must be of approved type this includes belts. Dashboard, door trims and side panels to be similar to original, and must be fitted.

### Chassis

The body must remain original with only the following exceptions. Minor alterations for stiffening, lightening of non-structural areas and to facilitate safety items, are permitted. Boot floor may be modified to accommodate a fuel cell. All changes must follow sound engineering practices. Battery may be relocated.

### Engine

Must be an unmodified Alfa Romeo engine and can be changed between models. Configuration and number of cylinders are to remain as originally fitted for any production variant of that model. Turbo and supercharging are permitted only if original and factory fitted for the particular engine and vehicle combination. Turbo/superchargers, wastegates, intercoolers and blow-off valves to remain standard.

### Intake and fuel system

The standard unmodified Electronic Control System (ECU) for the engine must be used. Also throttle bodies, carburetor chokes, and butterflies, air flow meters, fuel injectors and fuel pressure regulators to remain standard for the engine used.

### Gearbox

Must be Alfa Romeo and may be exchanged within the same model range

### Exhaust & Clutch

Free

### Differential

Must retain original location and type; (Live/independent), otherwise free.

### Suspension

Must be of the original design and material type for that model and perform its original function using original mounting points. (Including factory/works modifications) Additional chassis mounting points may be used if required. Otherwise free.

### Brakes & Wheels

Free

### Tyres

Must be New Zealand road legal with a minimum aspect ratio of 50% unless the manufacturer originally specified a lower aspect ratio for that model

### Fuel

Only normal pump fuel may be used.

## GTA Class Rules 2009 - 2010

### The Spirit of the GTA Class

To provide a competitive class which allows people to modify and improve race cars without too many restrictions while still retaining the car's original appearance.

### Specifications

Cars must conform to current MSNZ Handbook Schedule A, and the following specifications.

Please note where the word "FREE" is used it means to schedule A.

For class identification a yellow "Alfa Romeo Trofeo Series" sticker must be fitted at the top of the front windscreen.

### Safety

Compulsory homologated roll cage with minimum of at least one side intrusion bar each side (two intrusion bars if lightweight doors fitted). MSNZ approved race seat and harness must be fitted.

### Glazing

All glazing other than windscreen may be substituted with alternative transparent material, driver's side window must have an opening to allow for external hand signals. It is strongly recommended that rear screens be 5mm thick.

### Exterior

Overall original appearance must be retained with trim being retained. Replicas are permitted but must be from Alfa Romeo race cars and correct in all aspects. Common production body kits, (eg. Zender/Trofeo/GTAM), minor wheel arch flares, and front spoilers are permitted providing they are visibly suitable for the period style of the car. Only standard design rear spoilers are permitted. Bumpers may be removed when not forming part of the body shape. Head lights can be substituted with covers or mesh. Doors, bonnet, boot, nose cones, rear panels and mudguard skins can be made of composite materials, but they must be the same shape as the original. Interior framework of doors/bonnet/boot can be lightened. The vehicle shall be smartly maintained

and presented in a finished state.

#### Interior

Front passenger seat must be fitted; if passengers are carried it must be of approved type this includes belts. Dashboard, door trims and side panels to be similar to original, and must be fitted.

#### Chassis

The body must remain original with only the following exceptions. Minor alterations for stiffening, lightening and to facilitate safety items, are permitted. Boot floor may be replaced with suitable rigid material and can also be modified to accommodate fuel cell. Front inner guards may be modified to accommodate engine auxiliaries (e.g. cooler, carbs, waterpump etc.). Transmission tunnel may be modified to allow for replacement gearbox or diff only. All of the above must follow sound engineering practices.

#### Engine

Must be Alfa Romeo and can be changed between models. Configuration and number of cylinders are to remain as originally fitted for any production variant of that model. Turbo and supercharging is only permitted if it was original or factory fitted. All other modifications are otherwise free.

#### Exhaust, Clutch & Gearbox

Free

#### Differential

Must retain original location and type; (Live/independent), otherwise free.

#### Suspension

Must be of the original style for that model and perform its original function using original mounting points. Additional chassis mounting points may be used if required. Otherwise free.

#### Brakes & Wheels

Free

#### Tyres

Must be New Zealand road legal with a minimum aspect ratio of 50%.

#### Fuel

Pump gas or race/avgas.