



TECHNICAL REGULATIONS FOR THE NORTHERN REGIONS 2015
MIDVAAL HISTORIC CAR CLUB HISTORIC SALOON CAR CLUB CHAMPIONSHIP

MSA NORTHERN REGIONS MOTORSPORT CIRCULAR NR30/2015 (159640/134)

1. CONTROL

These regulations are drafted by the MIDVAAL HISTORIC CAR CLUB (MHCC) for final publication by Motorsport South Africa (MSA) and will remain enforce until the year 2024 save for any amendments regarding issues of safety

2. ELIGIBILITY

Historic Saloon Cars are production saloon cars marketed before 31st December 1976 and out of current production for at least ten years. Cars must have an MSA stamped and registered Historical Technical Passport (HTP) which must be available for inspection at all events. The responsibility to prove eligibility is that of the entrant at all times. Any aspect of a car not detailed as permitted is deemed not to be permitted.

3. BODYWORK

- 3.1 The exterior bodywork must remain in plan and profile, from all angles, exactly as produced by the vehicle manufacturer for the model in the period. No holes may be cut into front and rear valances and valances may not be removed. No additional spoilers, air ducts, scoops or blisters are permitted on the bodywork.
- 3.2 Replacement of original wheel arch interiors or transmission tunnels with box structures is not permitted.
- 3.3 The wheel arch fender pressing may be flared or a period type Group 2 wheel spat may be fitted providing that the width of the wheel arch is not increased by more than two inches. The wheel arch extension must cover the upper third of the wheel when viewed from above. For Group 5 cars the period homologated wheel arch width is permitted.
- 3.4 Panels of a glass fibre and carbon fibre material, if approved on application to the controllers, may be used to replace metal panels, however the panel must be panel for panel from all angles the same as the original. Panels manufactured from other composite material are specifically excluded.
- 3.5 Bumpers and embellishers may be removed, but headlamps and rims, tail lamps and radiator grilles must remain as standard for the model.
- 3.6 Headlights, tail lights, indicators and stop lights must be in full working order.
- 3.7 Cars must be fitted with at least one internal mounted and one externally mounted rear view mirror.
- 3.8 Rear engine cars with front mounted radiators may modify the front lower valance to accommodate the radiator.
- 3.9 All rear engine cars may have raised bonnets to aid engine cooling.

4 INTERIOR AND GLASSWORK

- 4.1 Windscreens and side windows may be replaced with polycarbonate (Lexan) providing the front windscreen is not less than 5mm thick.
- 4.2 Original dashboards must be retained but instrumentation is free. Door panels must remain however original material may be replaced with aluminium.
- 4.3 Carpets, under felt, sound deadening material, headlining, interior trim, front and rear parcel shelves, centre consoles, heaters, interior ventilation systems, front and rear passenger seats and boot compartment trim may be removed.
- 4.4 Driver's seat is free subject to MSA requirements and the driver must be located entirely to one side of the centre line of the car.

5 SUSPENSION

- 5.1 Suspensions may be modified providing the original type and one of the manufactures original mounting points per wheel on the body is retained.
- 5.2 Additional mounting points for the adding of roll bars, radius arms, tramp rods and pan hard bar may be fitted.
- 5.3 Shock absorber make and type are free and coil over units are permitted. 5.4 Spring rates are free but the original type of spring must be retained. Original spring type may be supplemented by the use of coil over type shock absorbers.
- 5.5 Steering boxes may be replaced with a steering rack.
- 5.6 Wheel base datum points must remain within 25mm of the standard specification.

6 BRAKES

- 6.1 Brake system modifications are free save that carbon type brake rotors and ABS systems are prohibited.
- 6.2 Brake lights must be operational and operated only by the brake pedal without a delay or other switching devise.

7 WHEELS & TYRES

- 7.1 Wheels comprise the rim and tyre assembly and must fit within the bodywork as described in Regulation 1.3
Bodywork.
- 7.2 Any period style wheel rim that has a diameter within one inch either way of what was fitted as original equipment by the manufacturer or where approved by the administrating body a 15 inch wheel rim may be used.
- 7.3 V8 Saloon cars may make use of 16" wheel rims provided that the disc brake rotors may not exceed 300mm in diameter.
- 7.4 The use of 16" rims on the Alfa Romeo 105 2 door Series is permitted.
- 7.5 Rim and tyre widths are free but must fit within the confines of the bodywork as described in Regulation 1.3
Bodywork.
- 7.6 Tyres are free of restriction.

8 ENGINES

- 8.1 Any period pre-77 engine block may be used as manufactured in the period by the original vehicle manufacturer with the same number of cylinders.
Regulation:
- 8.2 Engine blocks manufactured by the original manufacturer post-76 may only be used if they are the same as the original block of the period.

Alfa: the block used for the 1300, 1600, 1750 and 2000 pre 1977 may be used.

Mini: any A series block may be used. The metro block may not be used.

Opel Manta 1.6, 1.9, 2.5 4 cylinder, 2.8 6 cylinder and 1.9 turbo engines may be used.

Datsun / Nissan: the A 12, A14 and A15 blocks may be used in the A series cars. The L18 and L20 blocks may be used in the larger cars.

Fiat: the 1600, 1800 and 2000 8 valve twin cam motor may be used in front engined cars.

Ford Anglia: any Kent block may be used.

Ford Corsair: any Kent block may be used.

Ford Cortina: any Kent block may be used.

Ford Capri: any Kent, V4, V6, V8, Ford block from the period may be used.

Ford Escort Mark 1 two door body: any Kent, Pinto, BDA or BDG block may be used.

Ford Escort Mark 1 four door body: any Kent block may be used.

Ford Escort Mark 2 two door body: any Kent, Pinto, BDA or BDG block may be used.

Ford Escort Mark 2 four door body: any Kent block may be used.

Jaguar: any 6 or 12 cylinder engine from the period may be used.

Mazda: the 10A, 12A, 13A AND 13B double rotor engines may be used.
Renault: only the R8 and R9 and R16 block may be used in R8 or R10 bodies.
Volvo: the B16, B18 and B20 blocks may be used.
Volkswagen Beetle: all type 1, 2, 3 and 4 air-cooled blocks may be used.
Volkswagen Scirocco: only type 1 Golf block with single drain hole may be used.

- 8.3 Cylinder heads may be substituted for another type manufactured by the same manufacturer from within the period pre January 1977 as long as the camshaft position, number of camshafts and number of valves, valve angles and spark plugs remains the same.
- 8.4 Rotary engines: The number of rotors must remain as per the production engine of the period. Bridge port and peripheral port rotor housings are eligible.
- 8.5 Oil system: Dry sump systems are permitted.
- 8.6 Ignition: Electronic systems are permitted providing that the distributor and its function are retained. No programmable electronic ignition system may be used.
- 8.7 Intake and exhaust manifolds are free.
- 8.8 Induction system: Period type carburettors and fuel injection systems only.
- 8.9 Fuel Pump: Any fuel pump/s may be used. 8.10 The engine must be mounted in the original position.
- 8.11 All other engine modifications are free of restriction.

9 TRANSMISSION

- 9.1 The gearbox or transaxle must be the original make and type or a substitute derived from a standard production car unit with a maximum of five forward speeds.
- 9.2 Gearboxes and transaxle units must be mounted in the original position.
- 9.3 Rear axle casings are free but the original type may not be substituted for another and must remain in the original position.
- 9.4 Sequential type gearboxes, sequential shift mechanisms and traction control devices are prohibited.
- 9.5 The clutch and the method of operation are unrestricted.
- 9.6 Gear ratios and final drive ratios are free and any type of limited slip differential unit may be used.

10 GENERAL TECHNICAL SPECIFICATIONS

- 10.1 Minimum weight for original and exact replica cars may not be less than the homologated weight of the period car.
- 10.2 Minimum weight for cars which conform to the current regulations may not be less than 10% below the manufactures stated kerb weight for the model raced.
- 10.3 The weight of all cars must be recorded in the HTP document.
- 10.4 Cars must be fitted with a roll cage in compliance with MSA GCR 239 requirements.
- 10.5 Cars must be fitted with seatbelts that comply with MSA GCR 239 specifications.
- 10.6 Cars must carry a fire extinguisher or Fire Stryker as approved for use by MSA.
- 10.7 Cars must have an electrical cut-off switch that can be operated from inside and outside the vehicle.
- 10.8 Tow hooks must be fitted to the front and rear of the car and clearly marked. (Tow)
- 10.9 The exhaust system is free subject to MSA GCR 245 Silencing of Vehicles.
- 10.10 Fuel must conform to the specifications as described in GCR240.
- 10.11 Cars must comply with General Competition Rules and Regulations (GCR's) as specified in the MSA Handbook.
- 10.12 Cars registered as Pre-66 Saloons will be allowed to compete providing that they are presented in the specifications detailed in the Technical Regulations for that category. This encompasses tyre specifications and all Balance of Performance restrictions that may have been applied to the car for that category