



# MOTORSPORT SOUTH AFRICA NPC

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## **MSA EASTERN CAPE CIRCULAR 17 OF 2017 – KNYSNA HILLCLIMB MARQUE CAR TECHNICAL REGULATIONS**

### **TECHNICAL SPECIFICATIONS - MARQUE CARS**

Marque Cars shall be road legal, saloon, sports or GT cars

#### **1. Bodywork:**

- 1.1 The bodywork must remain, in plan and profile, from all angles as close as possible to the original as produced and commercially available for that model. (i.e. only original aftermarket body parts and accessories are permitted).
- 1.2 No holes may be cut into front and rear valance, and no valance may be removed. Neither holes nor air-scoops may be cut into bonnets.

#### **2. Wheels and Tyres:**

- 2.1 Wheel must conform in specification to those provided by the original manufacturer for the model concerned. They are defined by their diameter, and the width of the rim and the offset.
- 2.2 Hubcaps and wheel embellishers must be removed.
- 2.3 Tyres must be treaded road-legal tyres with tread visible on the surface of the tyre. Remoulded or retread tyres are not permitted and no full slick tyres or Semi Slick tyres will be permitted.

#### **3. Engines:**

- 3.1 The original standard production Engine as fitted by manufacturer
- 3.2 The cylinder head(s) must be the standard production component or an alternative manufactured by the same manufacturer as the original production component.
- 3.3 The crankshaft must be OEM may be cut under size.
- 3.4 Camshafts as per OEM Spec
- 3.5 Induction: Only the original type of induction must be used. Forced induction is not permitted unless originally fitted by manufacturer
- 3.6 Radiators are free but must remain in their original location.
- 3.7 Oil coolers and additional water radiators are permitted provided they are located within the periphery of the bodywork and do not change the profile of the car.
- 3.8 Dry sump systems are prohibited, unless originally fitted to the vehicle.
- 3.9 ECU (Electronic control unit) must be OEM
- 3.10 Inlet and exhaust manifolds must be OEM
- 3.11 It is not permissible to remove metal from original cylinder blocks and heads.

***MOTORSPORT SOUTH AFRICA IS THE ONLY RECOGNISED MOTORSPORT FEDERATION IN SOUTH AFRICA***



Directors: Adv. G. T. Avvakoumides (Chairman), A. Scholtz (Chief Executive Officer), A. Taylor (Financial), P. du Toit, D. Easom, J. Fourie, G. Hall, A. Harri, M. Rowe, R. Schilling, Ms N. Singh, Ms M. Spurr  
Honorary Presidents – Mrs B. Schoeman, T. Kilburn

- 3.12 Fuel pumps and fuel tanks must be OEM.
- 3.13 All OEM Engine covers must be in place.
- 3.14 Engine capacity may be increased by 10 % or to a max of 60" over size

**4. Gearbox:**

Original gearboxes are to be used. Dispensation may be allowed to run a non-original gearbox subject to it not having more than one extra ratio and being of a similar type, eg. no sequential gearboxes, unless originally fitted.

**5. Rear axle 'differentials':**

- 5.1 Rear axle and Differential must be as per OEM
- 5.2 No Limited slip differential or Active Differential may be used, unless originally fitted.

**6. Brakes:**

- 6.1 Original brakes are to be used. In the interests of safety braking system modifications are allowed subject to the following:
- 6.2 Rear drum brakes are not allowed to be replaced by disc brakes.
- 6.3 Solid discs may be replaced by ventilated discs of a similar diameter.
- 6.4 Four-pot callipers may be used, but not six-pot or more, unless originally fitted.
- 6.5 Brake friction material is free.

**7. Glasswork:**

All glass must comply with the legislative requirements for a road legal vehicle. Windscreens must be of a laminated type.

**8. Vehicle interior:**

- 8.1 The vehicle interior must be as per the original model including seats, door panels, roof lining and floor covering. Modifications are permitted to accommodate roll bars and roll cages.
- 8.2 The driver's seat bracket may be altered and the driver's seat exchanged for a racing seat.
- 8.3 The type of steering wheel is free.
- 8.4 Any additional gauges must be fitted within the spirit of originality.

**9. Suspension:**

- 9.1 Suspensions ride height, camber and castor may be adjusted within standard parameters No Camber plates or aftermarket suspension arms or adjustable coil over may be fitted. Ride height must be able to clear all speed humps
- 9.2 Shock absorbers make are free. Coil springs may be replace as long as they are a direct replacement for the original
- 9.3 Suspension bushes may be replaced with non-OEM material

**10. Exhausts:**

The Catalytic convertor may not be removed the exhaust and silencing system is free but exhausts shall follow the original routing under the car and be silenced to comply with MSA regulations (see GCR 245 silencing of vehicles).

**11. Safety:**

It is recommended that Marque Cars be fitted with a roll cage to MSA specification. Exemption will only be granted to competitors on completion of an approved indemnity.

**12. The following are approved exceptions:**

- 12.1 Air filters a direct replacement aftermarket element may be fitted
- 12.2 Clutch material is free but number of plates may not be changed



**WAYNE RIDDELL**  
**SPORTING SERVICES MANAGER**  
12<sup>th</sup> April 2017  
161191/159(c)



**BRENDAN SMITH**  
**CHAIRMAN – EP REGIONAL COMMITTEE**