



# MOTORSPORT SOUTH AFRICA NPC

Reg. No 1995/005605/08

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## MSA SATC CIRCULAR 8 OF 2024

Affected parties should note, as envisaged in GCR 67, that MSA agrees that shorter notice is both appropriate and reasonable in this instance, the following amendments to the 2024 MSA National SATC Technical and Sporting SSRs are made with immediate effect:

### TECHNICAL REGULATIONS

#### 15.2 SATC BOOST LIMITS

The maximum absolute manifold pressure as measured on the Life Data logging system, or any other data logging system as specified by SATC, shall not exceed the following in qualifying and the races:

Maximum Absolute Manifold Pressure (mB)		
Engine	Inland	Coastal
BMW	2100	2150
Volkswagen	2100	2150

#### 29. GEARBOX

29.6 The **limited slip** differential must be run as supplied, and to the SATC specification.

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



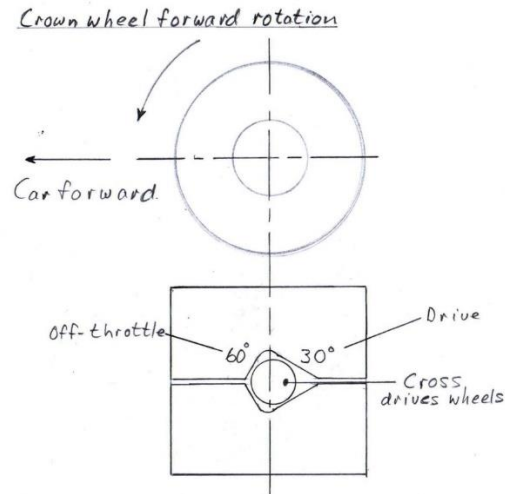
MEMBER OF



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Sport, Arts and Culture  
REPUBLIC OF SOUTH AFRICA

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The limited slip differential must be run to the following specifications:

Ramp angles: 30° accelerate, 60° brake.

Pre-load may not exceed 150 Nm at any time during qualifying and the races.

- i) Ramp angles: 30° drive, 60° off-throttle.
- ii) Pre-load may not exceed 150 N-m during qualifying and the races.
- iii) Three pairs of friction plates per side. The friction plates have to be stacked alternately drive-driven-drive-driven on both sides.
- iv) Belleville compression springs, 2mm thick, one per side.
- v) Belleville spring spacers, number and thickness free.

Pre-load check procedure:

- i. ...
- ii. Method:
  1. ...
  2. ...
  3. Differential must be at or near operating temperature. Pre-load test to be done for all cars at a similar operating temperature. All cold, or all at a post run temperature at the sole discretion of the SATC Technical Consultant.
  4. ...
  5. to ensure that said wheel is held completely stationary. Fit another wheel nut socket on the torque wrench of the day onto the opposite rear wheel and proceed to turn said wheel in a clockwise direction.
  6. Fit another wheel nut socket on the torque wrench of the day onto the opposite rear wheel and proceed to turn said wheel in a clockwise direction. Start with a low torque setting as determined by the SATC Technical Consultant and attempt to rotate the rear wheel.
  7. Start with a low torque setting as determined by the SATC Technical Consultant and attempt to rotate the rear wheel. If the rear wheel does not rotate increase the torque setting in steps determined by the SATC Technical Consultant until the wheel starts to rotate. This torque setting will be taken as the car's maximum pre-load setting at the sole discretion of the SATC Technical Consultant.
  8. If the rear wheel does not rotate increase the torque setting in steps determined by the SATC Technical Consultant until the wheel starts to rotate. This torque setting will be taken as the car's maximum pre-load setting at the sole discretion of the SATC Technical Consultant.

iii) Penalties for Limited Slip differential transgressions:

The penalty for exceeding the specified pre-load limit or non-compliant ramp angles (see 29.6) is: The penalty for exceeding the specifications as stipulated above is:

- i) ...
- ii) ...
- iii) ...

## **SPORTING REGULATIONS**

### **20. PRACTICE/TESTING**

20.2 Depending on circuit ... SR's of the event. SATC cars may join the free practice sessions on Thursday afternoons, if arranged by the Extreme Festival Organisers, at the three coastal circuits: Killarney (Cape Town), Aldo Scribante (Gqeberha) and East London.

### **22. DATA LOGGING AND DATA SHARING POLICY**

#### **22.1 Data Logging**

22.1.5 In addition to the original Life Racing GPS, the Nicor and ECUMASTER (part no 3S2GPS0001) GPS units will be allowed for data logging during events. The Life Racing GPS is the primary GPS used for data sharing. The Nicor and ECUMASTER (part no 3S2GPS0001) GPS units are optional and secondary (will not be used for data sharing).



**VIC MAHARAJ**  
**SPORTING SERVICES MANAGER**

24 June 2024  
163286/144