



# 2011 Macau Touring Car Series (MTCS)

## SPECIFIC TECHNICAL REGULATIONS

### ELIGIBLE VEHICLES

#### A) AAMC CHALLENGE

AAMC CHALLENGE is for - S2000 and National S2000

- a) S2000 is for cars as defined by FIA Appendix J to the International Sporting Code, Article 263. Specific Regulations for Modified Production Cars on circuits.  
(Super 2000)
- b) NATIONAL S2000 is for cars with current FIA Homologated for Group A, cars homologated by AAMC for Group A and those comply with Appendix J to the International Sporting Code, Article 263. Specific Regulations for Modified Production Cars on circuits with the following additional specifications:

Article 5 The minimum weight of the car, including the driver and his full equipments:

1170 Kgs for a front – wheel drive car

1200 Kgs for a rear – wheel drive car.

Article 6.5 Extinguishers

*Automatic and Manual extinguishing systems, homologated in accordance with Article 253-7 of Appendix - J, are accepted.*

Article 7.1.1e Engine Speed (RPM) - Free

Article 7.1.4b; 7.1.4c Compression Ratio and Pistons - Free

Article 7.1.4e Timing (Lift and valve lift rule) - Free

Article 7.1.5 Engine Flywheel, Crankshaft and Connecting Rods - Free

Article 7.1.6 Exhaust System - Free

Noise - Free

Article 8.1 Gearbox

Article 8.1.1 AUTHORISED GEARBOXES

Sequentially controlled gearbox with a maximum of six (6) engageable forward gears and one (1) engageable reverse gear, and in working order, are authorized.



The original production gearboxes with a maximum of six (6) engageable forward gears and one (1) engageable reverse gear, and in working order, are accepted.

Article 8.1.5 Ratios - Free

Article 8.2 Clutch - Free

Article 8.3 Differential

The final drive ratio is free provided that the original housing is retained.

Article 10.1 Complete wheel

*The maximum dimensions of the 4 rims are 9" x 17" with no weight limitation. The upper part of the complete wheel (flange + rim + tyre), located vertically over the wheel hub centre, must be covered by the bodywork when measured vertically.*

*Tyres sizes are free – the dimensions of all 4 tyres must be identical.*

Article 11 Ground Clearance

*No part of the car or its suspended parts must be less than 80 mm from the ground.*

*This check shall be carried out on one or several flat surfaces defined by the Technical Delegate, at any time during the event.*

*If this check is carried out on a car taken from the parc ferme, the pressure of all four tyres must be set to 1.6 +/- 0.05 bar. No system for changing ground clearance when the car is in motion is allowed.*

- 1) The original standard manufactured complete engine (K20A) and its components can be used interchangeably, for the following vehicle:

Honda Motor Co. Ltd. Cars model Integra Type R (DC-5), CIVIC Type R (EP3 & FD2).

- 2) The maximum diameter for the throttle valve of DC5, EP3 & FD2 is 64mm +/- 0.25mm.
- 3) The use of Homologated number: A-5697 CL7 engine spare parts on DC5, EP3 & FD2 engines are prohibited.
- 4) Rear Spoiler - Free

The below listed Cars homologated by AAMC are:

HONDA Motor Co. Ltd. Cars model:  
Integra Type R (DC-5) <Homologation No# AAMC – 001>  
Civic Type R (FD2) <Homologation No# AAMC – 005>

TOYOTA Cars model Altezza <Homologation No# AAMC – 004>



## B) AAMC N2000 RACE

AAMC N2000 Race is for cars with current FIA Homologated for Group N, cars homologated by AAMC for Group N and those comply with FIA Appendix J to the International Sporting Code, Article 254, Specific Regulations for Production Cars (Group N) with the following additional specifications:

	Flywheel	- Free
Article 6.1	Radiator	
		The material for radiator is free provided that the original capacity, mountings and installation location are retained.
Article 6.1	Exhaust	
		Modifications to the exhaust system starting from downstream of the exhaust manifold exit are allowed provided that it remains inside the car's perimeter, it must be mounted at the original position and end at the original rear end exit location.
		Noise is free.
Article 6.2.1	Clutch is free	
Article 6.4.3	Spare Wheel	
		Installation of spare wheel is prohibited.
Article 6.5	Braking System	
		Either the car manufacturer's original brake cooling piping or one circular flexible pipe without any air ram devices/accessories is permitted to bring the air to the brakes of each front wheel using a flexible pipe with a maximum diameter of 10cms. This pipe may vary in shape to clear suspension links etc. These air pipes must not go beyond the perimeter of the car, seen from above. Diameter refers to a circular pipe – this 10cm diameter flexible pipe when squashed may well exceed 10cm.
		The front brake is free provided that they are mounted on the fixation points of the original brakes and that they comply with the following prescriptions:
		The maximum number of pistons per front wheel is 4 (four).
		The maximum sizes caliper piston bore dia. is 40mm
		The maximum sizes of the brake disc are dia.320 x thickness 25mm
Article 6.7.2.2	Dashboard	
		The dashboard and the central console must remain original. The trimmings situated below the dashboard and which are not a part of it may be removed. It is permitted to remove the part of the center console which contains neither the heating nor the instruments.



Article 6.7.2.6 Heating System

The original heating and air conditioning equipment including the auxiliary ventilating fan, air duct(s) and grille(s) may be removed.

Article 6.9 Fuel Circuit

An auxiliary petrol tank of maximum capacity of one litre is authorized.

An auxiliary petrol pump at the fuel line in between the auxiliary petrol tank and fuel injection system is permitted. It must be separated from the cockpit by a fireproof and liquid-proof protective device.

Article 6.10 Jack

Pneumatic jacks are permitted, but without the compressed air bottle on board.

- 1) The original standard manufactured complete engine (K20A) and its components can be used interchangeably, for the following vehicle:

Honda Motor Co. Ltd. Cars model Integra Type R (DC-5), CIVIC Type R (EP3 & FD2).

- 2) The maximum diameter for the throttle valve of DC5, EP3 & FD2 is 64mm +/- 0.25mm.
- 3) The size of the throttle valve of DC5 & EP3 can be modified from 62mm +/- 0.25mm to 64mm +/- 0.25 provided that the Throttle Valve Body must be original.
- 4) Article 205 ( FIA Group N homologation form )

Minimum height centre hub / wheel arch opening is no longer applicable.

All AAMC N2000 cars will only be measured their ground clearance.

No part of the car or its suspended parts must be less than 100 mm from the ground.

This check shall be carried out on one or several flat surfaces defined by the Chief Scrutineer, at any time during the event. If this check is carried out on a car taken from the parc fermé, the pressure of all four tyres must be set to 1.6 +/- 0.05 bar." No system for changing ground clearance when the car is in motion is allowed.

The below listed Cars homologated by AAMC are:

HONDA Motor Co. Ltd. Cars model:

Integra Type R (DC-5) <Homologation No# AAMC – 002>

Civic Type R (FD2)<Homologation No# AAMC – 003>

### C) AAMC ROAD SPORT CHALLENGE

AAMC Road Sport Challenge is for the cars that listed below.

(Vehicles not listed below will be subjected to review and approval by the Organiser.)



### List of Road Sport cars:

Audi TT  
BMW M3/ Z4  
Honda NSX/ S2000  
Lotus 340R/ 2-11/ Europa S/ Exige/ Elise S1/ S2  
Mazda MX-5 (MZR 2.0)/ RX-7/ RX-8  
Mitsubishi Lancer Evo7-10  
Nissan Skyline GT-R / 350Z/ 370Z  
Subaru Impreza WRX /STI  
VW Golf/Scirocco

### SAFETY REQUIREMENTS

The provisions of article 253 of Appendix J of the FIA year book apply in full.

### AWARDS AND SERIES POINTS

- a) Awards
- b)
- |                           |  |
|---------------------------|--|
| AAMC Challenge            | 1 <sup>st</sup> – Trophy<br>2 <sup>nd</sup> – Trophy<br>3 <sup>rd</sup> – Trophy |
| AAMC N2000 Race           | 1 <sup>st</sup> - Trophy<br>2 <sup>nd</sup> - Trophy<br>3 <sup>rd</sup> – Trophy |
| AAMC Road Sport Challenge | 1 <sup>st</sup> - Trophy<br>2 <sup>nd</sup> - Trophy<br>3 <sup>rd</sup> – Trophy |

c) Series Points

Series points will be awarded to all the classified drivers according to the following group-point system as listed.

<u>Race Classification</u>	<u>Group-Point</u>
1 <sup>st</sup>	A20
2 <sup>nd</sup>	A15
3 <sup>rd</sup>	A12
4 <sup>th</sup>	A10
5 <sup>th</sup>	A8
6 <sup>th</sup>	A6
7 <sup>th</sup>	A4
8 <sup>th</sup>	A3
9 <sup>th</sup>	A2
10 <sup>th</sup>	A1
11 <sup>th</sup>	B20
12 <sup>th</sup>	B15
13 <sup>th</sup>	B12
14 <sup>th</sup>	B10
15 <sup>th</sup>	B8



16th	B6
17th	B4
18th	B3
19th	B2
20th	B1
21st	C20
22nd	C15
23rd	C12
24th	C10
25th	C8
26th	C6
27th	C4
28th	C3
29th	C2
30th	C1
31st	D20
32nd	D15
33rd	D12
34th	D10
35th	D8
36th	D6
37th	D4
38th	D3
39th	D2
40th	D1

Drivers may score different groups of group-point in respect to their race classifications during the Series. After each round of the event, the group-point(s) as earned by the driver will be added numerically with the same group of group-point accumulated earlier. The overall winner of the series is the one who accumulates the highest group-point both alphabetically and numerically.

In case of a tie in the first highest group of group-point, the next group in alphabetical order of group-point will determine the order. The same principle will be applied should another tie in next group of group-point occur until the winner as well as the final driver classification of the series emerges. If in any case, this procedure fails to produce a result, the Stewards of the Meeting will decide the final result according to such criteria as they think fit.

Each Team needs to have at least two drivers in order to compete the Team Trophy (if the team has more than 2 drivers, then it needs to separate them into different groups), both drivers of each group have to complete the race. During the event, change of driver is not allowed. (Points will be accumulated with 2 drivers' points).

## ENTRIES

- a) All multiple entries of vehicles in more than one race are prohibited.
- b) Each entry is only entitled to one vehicle for each event.
- c) Each Driver is only permitted to enter in one race category



## EVENT PROGRAMME

Event	Date	Circuit	Rounds
Event 1	27 <sup>th</sup> – 29 <sup>th</sup> May	Guangdong International Circuit	1 & 2
Event 2	10 <sup>th</sup> – 12 <sup>th</sup> June	Guangdong International Circuit	3 & 4