



AAMC MOTORCYCLES AND SCOOTERS CHAMPIONSHIP
Sporting, Technical and Disciplinary Regulations

2016

中國-澳門汽車總會 電單車及自動波電單車錦標賽
賽事、技術及紀律條例

BULLETIN N°004

TO: Race Class - 250cc 4-stroke Manual transmission (Add a new class)

I.) BACKGROUND and NUMBERS:

	CLASS				BACKGROUND				NUMBERS					
	250cc				Orange				Black					
Lettering	1	2	3	4	5	6	7	8	9	0				

DIMENSIONS of NUMBERS:___

Minimum height: 140 mm;

Minimum width: 80 mm, except for number “1”, which is 25mm.

II.) Appendix – 250cc Production Road Machines
4 stroke two cylinders up to 250cc
4 stroke single cylinder up to 250cc

Vehicle Conditions	Only approved vehicles for trading Definition to be done by the Technical Committee
Vehicle Documents	The 250cc Production Road Machines must have the registration documents of recognized makes in Macau and vehicle production structural information submitted on file. Otherwise, the make of the subject vehicle cannot take part in the race.
Vehicle Structure	Manual gear, 4 stroke, petrol internal combustion engine power, natural intake of air. Minimum weight is 135 kg for 250cc two cylinders. Minimum weight is 132 kg for 250cc single cylinder.



<p>A. Engine</p>	<p>Ignition/ Engine Control</p> <p>Exhaust System</p> <p>Radiator</p> <p>Air Box</p> <p>Carburetor/Throttle Body/Bodies</p> <p>Fuel Injection Systems</p> <p>Cylinder Head</p>	<p>Spark plugs are free CPU & Ignition coil must be same as registration documents of recognized makes in Macau.</p> <p>The exhaust system may be changed provided to follows a similar pattern to the original. The material of the exhaust system is free. Noise level not exceeding 95/db at 5,000 – 5,300 rpm</p> <p>Radiator must be same as registration documents of recognized makes in Macau.</p> <p>The Air Box must be same as registration documents of recognized makes in Macau. The Air Filter must be inside of the Air Box. Air Filter can be replaced with aftermarket unit. If the Motorcycle has no RAM system, it is not allowed to add such system.</p> <p>Carburetor/Throttle Body/Bodies must be same as registration documents of recognized makes in Macau. (No modifications are permitted.</p> <p>The ECU controlling the fuel delivery system and ignition system must be same as registration documents of recognized makes in Macau. (No modifications are permitted).</p> <p>Cylinder Head must be same as registration documents of recognized makes in Macau. Surface polishing is not allowed. Gasket must be standard. Valves must be standard Valve spring must be standard Valve seas must be standard</p>
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Camshaft	Camshaft must be standard that are set with inlet and exhaust. No modification is permitted.
Camshaft Sprockets	Camshaft sprockets must be standard. No modification permitted. Slotting is permitted.
Oil Pumps, Lines and Galleries	Oil Pumps, Lines and Galleries must be standard. No modifications permitted.
Connecting Rods	Connection Rods must be standard. No modifications permitted including polishing and lightening.
Piston	Pistons must be standard. No modifications are permitted.
Piston Rings	Piston Rings must be standard. No modifications are permitted
Piston Pins and clips	Piston Pins and Clips must be standard. No modifications are permitted.
Cylinders	Cylinders must be standard. No modifications are permitted
Crankcases and Covers	Crankcases and Covers must be standard. No modifications are permitted except additional protective covers may be added.

B. Fairing and Bodywork	The Frame	The frame must remain as original produced by manufacturer, no modifications are permitted.
	Sub Frame	Sub frame must remain as original produced by manufacturer, no modifications are permitted.
	Swing Arm	Swing Arm must remain as original produced by manufacturer, no modifications are permitted.
	Front Forks	<p>The Front Forks (Fork yokes/bridge, Stanchions, Inner Tube and Outer Tube, Sliders and Spindles) must be originally manufacturer.</p> <p>Fork caps on the mechanical forks can be modified or replaced to allow external adjustment.</p> <p>The internal spring and damper systems and oil type and quantity are free.</p> <p>The Top Bridge and the Lower fork clamps (triple, fork bridges) must remain as originally produced by the manufacturer and as registration documents of recognized makes in Macau.</p> <p>After market steering damper is allowed.</p>
	Rear Suspension Unit	The rear suspension unit (shock absorber) and spring are free but must use the original links and mountings points.
	Wheels	Wheels must be the same as originally produced by manufacturer and as registration documents of recognized makes in Macau.
	Brakes	Front and Rear Brake Disc must be same as registration documents of recognized makes in Macau. The number of the brake disc (single or double) must be same as registration documents of recognized makes in Macau. The front and rear master cylinder must remain as originally

		<p>produced by the manufacturer and as registration documents of recognized makes in Macau.</p> <p>Front and rear hydraulic brake lines may be changed. The split of the front brake lines for both front brake calipers must be made above the lower fork Bridge (lower triple clamp).</p> <p>Front and rear brake pads may be changed. The front and rear brake caliper must remain as originally produced by the manufacturer and as registration documents of recognized makes in Macau.</p>
	Wiring Harness	The Wiring Harness must be same as registration documents of recognized makes in Macau.
	Tyres	Tyres can be changed to any brand of street tyres. (Slick Tyres are not allowed)
	Foot Controls	Foot Controls can be replaced with aftermarket units
	Handle Bars and Controls	<p>Handle bars can be replaced with aftermarket units. (does not include brake master cylinder)</p> <p>Handle bars may be relocated.</p> <p>Clutch and brake lever may be exchanged to aftermarket model. To adjust the lever travel, an adjuster to brake lever is allowed.</p> <p>Switches may be removed but electrical starter switch and engine stop switch must be located at the handle bar.</p> <p>Quick throttle are allowed</p>
	Fairing, Body Work	<p>The fairing must be on the bike and can be replaced with aftermarket units.</p> <p>The lower fairing must be modified to hold a minimum of 5 liters of fluid. 2 (two) 25mm diameter removable drain plug must also be fitted. The drain may only be removed in wet conditions.</p>
	Fuel Tank	No modifications permitted.



<p>C. Transmission</p>	<p>Transmission and Gearbox</p> <p>Clutch</p>	<p>4-stroke Manual transmission</p> <p>Front sprocket, rear sprocket, chain pith and chain size maybe altered.</p> <p>Modifications are not allowed for the transmission and gear box inside the engine.</p> <p>Quick Shifter cannot be used.</p> <p>Clutch springs are free</p> <p>Clutch plates are free</p> <p>Clutch cable must be standard</p> <p>No other modifications permitted</p> <p>No slipper clutch system is allowed unless otherwise is equipped as registration documents of recognized makes in Macau.</p>
<p>D. Electrical Part</p>	<p>Generator / Alternator</p> <p>Battery</p>	<p>No modifications permitted</p> <p>The Battery is free but must be capable of starting the machine.</p> <p>Only Factory ignition systems and generator can be use</p> <p>Electric system of ECU and CDI can not be changed</p>

Remarks:

Ignition switch must be in place.

Installation of carburetor oil catch tank, water-cooling engine requires installation of water catch tank.

The vehicle must be structurally safe.

In case of any dispute arising from these documents, the power of final interpretation rests with the Technical Group of the AAMC.

Remarks:

The ultimate right of interpretation of the above conditions rests with the Motorcycles Technical Group of the AAMC.