

## SUPERBIKE REGULATIONS

This class allows for New Zealand distributors of sports production machinery an opportunity to showcase their machines in a competitive environment, with some freedom for machine set up but within the confines of rules to suit New Zealand market conditions.

Superbike is open to all manufacturers of machines sold in New Zealand

The appearance from front, rear and the profile of Superbike motorcycles must (except when otherwise stated) conform to the original shape (as originally produced by the manufacturer).

### 1 Capacity

700cc - Open	4-stroke 3 & 4 Cylinder
800cc - Open	4-stroke Twin Cylinder

### 2 Numbers-Plate Colours

White background with Black numbers

#### 2.1 Size

Width 285mm minimum, height 235mm,( where possible) .  
Figures must be clearly legible.

#### Number Placement

Fairing, front of fairing one number board facing forward  
Seat Tailpiece or side fairing, minimum of one number.

In the case of a dispute concerning the legibility of numbers, the decision of the technical steward will be final.

## 3 **Superbikes**

### 3.1 Subject to the required and permitted alterations set out below, Superbike machines must

- a) Be fitted with the V.I.N compliance plates for the particular machine;
- b) Be of a make and model lawfully sold in New Zealand,
- c) Be as constructed by the manufacturer,
- d) At least 5 production machines of that make and model must have been imported into New Zealand by the manufacturer or the New Zealand distributor representing that manufacturer.

3.2 The choice of tyre is optional but any restriction on the number of tyres which may be used must be included in Supplementary Regulations. Tyre warmers may be used

3.3 To be permitted to compete, a machine, without rider, empty of fuel, but with all other fluids at optimum levels, must weigh no less than 165kg.  
A 1% tolerance at post race control will be allowed.

3.4 The following must be removed.

- a) Headlamp,
- b) Tail lamp,
- c) Reflectors,
- d) Horns,
- e) Traffic indicators,
- f) Mirrors,
- g) Centre and side stands,
- h) Registration plate / bracket and label holder.

3.5 Any sharp edges left by the removal of the above components must be protected by a rolled edge or beading of minimum 3mm diameter.

3.6 Engine and gearbox breathing hoses and tubes must exhaust into the airbox to the rear of the intakes. The lower airbox breather tube must be blocked.

3.7 The following may be removed.

- a) Passenger handholds and footrest assemblies,
- b) Instruments and associated cables,
- c) Chain guard,
- d) Air injection pollution control system,
- e) Carburettor anti-icing device,
- f) Rear fender,
- g) Air filter element,
- h) Starter Motor and starter motor drive system,
- i) Alternator,
- j) Steering damper.
- k) Cooling fans

3.8 The following may be added.

- a) Steering damper,
- b) Ride height adjuster. The link arm rod may be changed or modified but the suspension linkage must remain standard,
- c) Data acquisition, computers, recording equipment (Note: Telemetry devices are prohibited),
- d) Fuel injection control devices.
- e) Quick shifter.

3.9 The following may be replaced with parts not manufactured by the manufacturer of the machine.

- a) Brake pads, linings and brake hoses,
- b) Fairings, screens, rear bodywork and rear seat so as to provide for the mounting of a rear number plate, rider's seat, mudguards, air intake lids in bodywork, airbox intake tubes, tank covers and side covers, but replacements must be the same in shape and appearance as the original,
- c) Mounting brackets for fairings and screens but the replacements must be mounted on the frame at the original mounting points,
- d) Fuel tank filler cap assembly providing there is no modification required to fuel tank.
- e) Handlebars, handlebar mounted levers, master cylinders and controls,
- f) Footrests and foot controls, but the replacements must be mounted on the frame at the original mounting points,
- g) Fasteners for fitting external components where the motorcycle manufacturer has no specified torque setting or it is less than 10Nm,
- h) Air filter element,
- i) Air funnels (velocity stacks),
- j) Instruments,
- k) Wiring loom, ECU and fuel injection control units,
- l) Spark plugs and high tension leads,
- m) Battery and alternator,
- n) Exhaust system,
- o) Clutch plates and springs,
- p) External gearing,
- q) Radiator expansion tank,
- r) Valve retainers and valve springs,
- s) Camshafts and cam wheels,
- t) Head gaskets,
- u) Front suspension springs and damping parts and fork top caps may be modified or replaced, but the external appearance of the forks must not be changed, triple clamps may be replaced with aftermarket items
- v) Rear suspension damping units and springs,
- w) A supplementary radiator provided there are no changes to the bodywork, main radiator or frame.
- x) Wheels, but they must remain 17"

3.10 The following OEM parts may be modified.

- a) Engine cam wheels may be slotted or replaced to alter valve timing,
- b) Water pump impeller,
- c) Gearbox drive dogs may be undercut,
- d) Cylinder head valve seats may be recut,
- e) Cylinder head ports by removal of material only,
- f) Cylinder head and cylinder block mating surfaces may be machined,
- g) Alternator cover,
- h) OEM piston valve pocket machining.
- i) Swing arm pivot
- j) Crankshaft and conrods (balancing only)