



## **FX & CX RULES out of UIM RULE BOOK**

**For the avoidance of doubt the Management Committee of NZJBRRRA publishes the following set of rules for FX and CX. These will be the rules and the interpretation of them that will apply for the upcoming World Championships, They will also be advised in the race rules.**

For the "FX Class" the engines allowed to race are Small Block Chevrolet (FX 1-49 series numbers) or equivalent. The race boats must be within the following specifications:

**Hull:** Any type of hull design and material.

**Length of the Hull:** The minimum dimensions are 3.96m (13ft)

**Roll Bar:** Well braced and mounted steel tube (chrome moly or aluminium tube can also be used with the minimum diameters and structure indicated previously in this rule).

**Engine Type:** 8 Cylinder, normally aspirated. ( "naturally aspirated"?)

**Engine:** Chevrolet ZZ4 Crate Engine (part number 24502609) with a maximum displacement of 5700cc.

**Cylinder Bore:** No overbore is allowed. No block can be sleeved in the bore

**Cylinder Heads:** Stock GM ZZ4 cast aluminium, no aftermarket cylinder heads are allowed. No **valve seats, milling head,** polishing and/or port work of any kind is allowed.

**Long Block:** There is to be **NO** polishing, porting, grinding, cutting, filing, sanding or change to the state or shape of any factory casting, forging or material used inside the engine.

**Oil pump:** no dry sump or vacuum pumps are allowed.

**Oil Pan, Valve Covers and fluid damper:** Any type, the oil pan can be of a larger capacity.

**Ignition/Distributor:** Any type.

**Intake Manifold:** No port matching on the intake manifold is allowed.

**Carburettor:** Any type not exceeding 750 CFM

**Exhaust system:** Any type

**Engine Rebuilding:** In situations where the integrity of the motor has been compromised a rebuild is allowed. This requires the use of factory parts with part numbers matching those of the crate motors parts list. All work is to be undertaken leaving all tolerances within normal factory guidelines. There is still **NO** machining allowed.

**Fuel:** Gasoline only. The Race Organizer must indicate in the Advance Program if there are any restrictions as far as transporting large amounts of fuel in the Country where the race will be held. **AV gas is allowed to be used in this class**

**Propulsion:** Any type of jet drive, it can be modified.

For the "CX" Class the engines allowed to race are Small Block Chevrolet (CX 100-200 series numbers) or equivalent. The race boats must be within the following specifications:

**Hull:** Same as for the FX Class.

**Length of the Hull:** The minimum dimensions are 4.88m (16ft)

**Roll Bar:** Same as for FX Class.

**Engine Type:** 8 Cylinder, normally aspirated. ("**naturally aspirated**")?

**Engine:** Chevrolet LS3 (376ci) stock crate engine 480-525; Ford (392ci) stock crate engine # m-6007-d392rt (430) / c392rt (475) & 374w (540); or dodge (6.1 hemi) stock crate engine #P5155067.

**Cylinder Bore:** No overbore is allowed. **No block can be sleeved in the bore**

**Cylinder Heads:** Factory stock heads, no aftermarket or machining is allowed.

**No valve seats, milling head, polishing and/or port work of any kind is allowed.**

**Long Block:** There is to be **NO** polishing, porting, grinding, cutting, filing, sanding or change to the state or shape of any factory casting, forging or material used in the engine.

**Oil Pump:** No dry sump or vacuum pumps are allowed.

**Oil Pan, Valve Covers and Fluid Damper:** Any Type, the oil pan can be of a larger capacity.

**Ignition/Distributor:** Any type.

**Intake Manifold:** No aftermarket intake manifolds are allowed. No port matching on the intake manifold is allowed.

**Carburettor:** Any type or the factory crate engine fuel injection system are allowed.

**New Zealand are not running fuel injection in the 2013 worlds, so only carburettor can be used. Any size is allowed.**

**Exhaust system:** Any type, mufflers are recommended.

**Engine Rebuilding:** In situations where the integrity of the motor has been compromised a rebuild is allowed. This requires the use of factory parts with part numbers matching those of the crate motors parts list. All work is to be undertaken leaving all tolerances within normal factory guidelines. There is still **NO** machining allowed.

**Fuel:** Gasoline only. The Race Organizer must indicate in the Advance Program if there are any restrictions as far as transporting large amounts of fuel in the Country where the race will be held. **. AV gas is allowed to be used in this class**

**Propulsion:** Any type of jet drive, it can be modified.