

2011 RULE CHANGES FOR MINIMOTO AND MINIMOTARD

15.19 PROTECTIVE CLOTHING – MINIMOTO

15.19.0.1 No competitor may practice, start or compete in any Minimoto competition unless wearing the following protective equipment and clothing:

15.19.1 Helmet

15.19.1.1 An approved and correctly fitting full-faced helmet which must:

- a) Carry the Standards Association of Australia "AS 1698" label; or
- b) Be approved under Rule 01.69 & 01.70 of the Road Racing FIM Technical Rules [see Appendix 1].

15.19.2 Clothing -Classes other than Supers Elite Open

15.19.2.1 Protective Clothing must consist of:

- a) Full leathers (1 or 2 piece),
- b) Minimoto race suits, or
- c) Motocross pants/jeans (Including body armour and knee sliders),
- d) A leather jacket must be worn in any class and while riding at any time.

15.19.2.2 A commercially manufactured back protector.

15.19.3 Clothing - Supers Elite Open Classes

15.19.3.1 Protective Clothing must consist of:

15.19.3.2 A 1 piece suit or jacket and trousers constructed of leather or other material of similar or greater durability.

15.19.3.3 Where jackets or 1 piece suits are fitted with front opening slide fasteners, a safety strap must be fitted and secured at the neck.

15.19.3.4 A commercially manufactured back protector.

15.19.4 Footwear

15.19.4.1 Boots with ankle protection which must:

- a) Be constructed of leather or other material of similar or greater durability. but not constructed of rubber,
- b) At least overlap the suit or trousers when the rider is in the normal riding position,
- c) Not have soft leather soles.

15.19.5 Gloves

15.19.5.1 Gloves of leather or other material of similar or greater durability.

15.19.6 Goggles and Visors

15.19.6.1 Spectacles, protective goggles, helmet visors and/or "tear-offs" must be worn provided:

- a) Eye protectors and spectacles are made of non-shattering material,
- b) Eye protectors which cause visual disturbance are not to be used,
- c) Visors are an integral part of the helmet,
- d) Metal or perspex face shields are not used,
- e) Eye shades or peaks are of a flexible material.

15.19.7 Hair and Jewellery

15.19.7.1 Hair longer than shoulder length must be confined in the helmet or jacket.

15.19.7.2 Body jewellery is to be removed or securely covered with tape prior to competition.

15.19.8 Footwear in pits

15.19.8.1 Closed footwear must be worn in the pit lane at all times.

15.20 FRAMES AND PARTS – MINIMOTO AND MINIMOTARD

15.20.0.1 Minimotos must be fixed or rigid frames-no suspension.

15.20.0.2 Minimotos must have a working handlebar mounted engine kill-switch.

15.20.0.3 Foot pegs must be covered in plastic, rubber or nylon.

15.20.1 Tyres

15.20.1.1 Knobby tyres are only permitted in Minimotard classes.

15.20.1.2 Treaded road tyres may be used at any time.

15.20.2 Rims

15.20.2.1 Classes other than Minimotard - Rims must be 6.5" diameter.

15.20.2.2 Minimotard classes - Rims other than 6.5" diameter may be used.

15.20.3 Brakes

15.20.3.1 A pin or locknut must be fitted to the brake pad fixture. The safety wire used on the brake caliper bolts must be visible.

15.20.3.2 Classes other than Minimotard - Brakes must may be cable or hydraulically operated.

15.20.3.3 Handlebar levers must have ball ends with a minimum diameter of 10mm.

15.20.4 Rider identification

15.20.4.1 Additional to numbers on the machine, competitors must wear a high visibility vest with the number on the front and the rear. Numbers must comply with GCR 12.6.

15.21 ENGINES – MINIMOTO AND MINIMOTARD**15.21.1 As per GCR 15.2 plus:**

15.21.1.1 Lock wiring used on oil and water filler caps and drain plugs must be visible.

15.21.1.2 ~~Classes other than Minimotard,~~

- ~~a) Single cylinder,~~
- ~~b) Pull start,~~
- ~~c) 2 stroke engines,~~
- ~~d) Less than 51cc.~~

15.21.1.3 A non-return valve must be fitted to the tank breather pipe which must discharge into a catch tank with a minimum capacity of 100cc.

15.21.1.4 ~~Production based and Junior Classes do not allow:~~

- ~~a) Any interior engine work that will benefit performance, including porting and flowing,~~
- ~~b) Abrasives to be used to clean interior engine parts,~~
- ~~c) Machining of any description,~~
- ~~d) Replacement of standard engine parts for performance parts.~~

15.21.1.5 Other than Minimotards: Final drive must be single speed via a dry centrifugal clutch (adjustable allowable).

15.21.1.6 Minimotards may have manual or automatic gearboxes.

15.21.1.7 Minimotards must be fitted with a hose running from the crankcase breather into a catch tank with a minimum capacity of 200cc.

15.21.1.8 Fuel must not leak when machine is laid on each side. Use of an O-Ring under cap permitted.

15.21.2 Minimoto Supers

15.21.2.1 Engine can have any modifications within capacity restrictions.

15.21.3 Production Heavies

15.21.3.1 Minimum rider weight 80kg.

15.21.3.2 Standard air/water cooled engines.

15.21.3.3 ~~No modifications may be made, other than:~~

- ~~a) Main jet,~~
- ~~b) Spark plug,~~
- ~~c) Rubber inlet manifold,~~
- ~~d) Carbon reeds (not dual stage),~~
- ~~e) Airbox open,~~
- ~~f) Exhaust:~~
 - ~~i) Any type made by same manufacturer as the machine,~~
 - ~~ii) With a proven part number on parts list of country of origin,~~
 - ~~iii) No one off exhaust systems allowed,~~
 - ~~iv) No systems not sold or made by the manufacturer in the country of origin.~~
- ~~g) Open gearing.~~

15.21.4 Production Lights

15.21.4.1 Maximum rider weight 80kg.

15.21.4.2 Standard air/water cooled engines.

15.21.4.3 ~~No modifications may be made, other than:~~

- ~~a) Main jet,~~
- ~~b) Spark plug,~~
- ~~c) Rubber inlet manifold,~~
- ~~d) Carbon reeds (not dual stage),~~
- ~~e) Airbox open,~~
- ~~f) Exhaust:~~
 - ~~i) Any type made by same manufacturer as the machine,~~
 - ~~ii) With a proven part number on parts list of country of origin,~~
 - ~~iii) No one off exhaust systems allowed,~~
 - ~~iv) No systems not sold or made by the manufacturer in the country of origin.~~
- ~~g) Maximum gearing 66 teeth at rear.~~

15.21.5 4.2hp Seniors

15.21.5.1 Minimum rider weight 50kg.

15.21.5.2 4.2hp maximum air-cooled mini or midi.

15.21.5.3 No modifications may be made, other than:

- a) Main jet,
- b) Spark plug,
- c) Airbox open,
- d) Gearing for riders up to 75kg, 66 teeth rear,
- e) Gearing for riders over 75kg, open.

15.21.5.4 Standard exhaust.

15.21.6 Minimoto Seniors

15.21.6.1 4-stroke up to 160cc (auto or manual) or 2-stroke up to 85cc (auto or manual).

15.21.7 Juniors

15.21.7.1 Ages 9 to under 13 years.

15.21.7.2 Junior riders (under 16 years) cannot compete with Senior riders.

15.21.7.3 4.2 hp air-cooled mini only.

15.21.7.4 No modifications may be made, other than:

- a) Main jet,
- b) Spark plug,
- c) Airbox open,
- d) Open gearing.

15.21.7.5 Standard exhaust only.

15.21.8 Minimoto Juniors

15.21.8.1 Ages 9 to under 13 years, 4-stroke up to 125cc (auto or manual) or 2-stroke up to 85cc (auto or manual).

15.21.8.2 Ages 13 to under 16 years, 4-stroke up to 140cc (auto or manual) or 2-stroke up to 85cc (auto or manual).

15.21.2.1 Junior riders (under 16 years) cannot compete with Senior riders

15.21.2.2 Seniors and Juniors Class 1: Basic CAG (Chinese air-cooled copy of Italian original)

- a) Capacity: Maximum 51cc
- b) Crankcase: Standard air-cooled CAG only
- c) Crankshaft: Standard half circle CAG only
- d) Connecting rod & piston: Chinese made.
- e) Seals: Bearings, Gaskets: Open
- f) Head/Barrel: Standard CAG only, maximum two intake & one exhaust port without modification, must be cast only.
- g) Coil: Standard CAG only
- h) Timing key allowed.
- i) Flywheel: Standard without modification
- j) Spark Plug: Open
- k) Clutch: Open.
- l) Carburettor: Maximum 15mm bore
- m) Air filter: Open
- n) Reed block: Standard CAG only
- o) Reeds: Material open
- p) Exhaust system: Open
- q) Tyres: Open.
- r) Gear ratios: Open
- s) Machining: Porting, Machining (including polishing) of Barrel/head, Crankcase, Crankshaft, Con-rod, Piston or flywheel is NOT permitted.
- t) Non-programmable ignition systems must be used. No combustion enhancers such as NOS may be used and all bikes must be naturally aspirated.

15.21.2.3 Seniors and Juniors Class 2: Pro CAG.

- a) Capacity: Up to 51cc.
- b) Crankcase: Standard aircooled CAG only.
- c) Crankshaft: Open.
- d) Connecting rod & piston: Chinese made.
- e) Seals: Bearings, Gaskets: Open.
- f) Head/Barrel: Open.
- g) Coil: Standard CAG only.
- h) Timing keyway allowed.
- i) Flywheel: Open.
- j) Spark Plug: Open.
- k) Clutch: Open
- l) Carburettor: Open.
- m) Air filter: Open.
- n) Reed block: Open.
- o) Reeds: Material open.
- p) Exhaust system: Open.
- q) Tyres: Open.
- r) Gear ratios: Open.
- s) Chain: Open
- t) Machining: Open.
- u) **Non-programmable ignition systems must be used. No combustion enhancers such as NOS may be used and all bikes must be naturally aspirated.**

15.21.2.4 Seniors and Juniors Class 3: Elite Aircooled.

- a) Capacity: Maximum 51cc aircooled only.
- b) Crankcase: Open
- c) Crankshaft: Open.
- d) Connecting rod & piston: Open
- e) Seals, Bearings, Gaskets: Open.
- f) Head/Barrel: Open.
- g) Coil: Open.
- h) Timing key: Open.
- i) Flywheel: Open.
- j) Spark Plug: Open.
- k) Clutch: Open.
- l) Clutch Bell: Open
- m) Carburettor: Open.
- n) Air filter: Open.
- o) Reed block: Open.
- p) Reeds: Material open.
- q) Exhaust system: Open.
- r) Tyres: Open.
- s) Gear ratios: Open.
- t) Machining: Open.
- u) **Non-programmable ignition systems must be used. No combustion enhancers such as NOS may be used and all bikes must be naturally aspirated**

15.21.2.5 Seniors and Juniors Class 4: Basic Chinese Watercooled

- a) Capacity: Maximum 51cc
- b) Crankcase: Chinese
- c) Crankshaft: Chinese
- d) Connecting rod & piston: Chinese made.
- e) Seals, Bearings, Gaskets: Open
- f) Barrel / Head: Standard Chinese for that model
- g) Coil: Standard Chinese
- h) Timing key: Standard Chinese
- i) Flywheel: Original Chinese
- j) Spark Plug: Open
- k) Clutch: Open
- l) Carburettor: Open
- m) Air filter: Open
- n) Reed block: Standard Chinese, reed spacer accepted.
- o) Reeds: Material open
- p) Exhaust system: Chinese made, but can be modified to suit application. Stinger/Muffler open.
- q) Tyres: Open
- r) Gear ratios: Open
- s) Machining: Porting, Machining (including polishing) of Barrel/head, Crankcase, Crankshaft, Con-rod, Piston or flywheel is NOT permitted.
- t) Non-programmable ignition systems must be used. No combustion enhancers such as NOS may be used and all bikes must be naturally aspirated.

15.21.2.6 Seniors and Juniors Class 5: Pro Chinese Watercooled

- a) Capacity: Maximum 51cc
- b) Crankcase: Chinese made
- c) Crankshaft: Chinese made
- d) Connecting rod & piston: Chinese made.
- e) Seals, Bearings, Gaskets: Open
- f) Barrel: Chinese made
- g) Head: Open
- h) Coil: Open
- i) Timing key: Open
- j) Flywheel: Open
- k) Spark Plug: Open
- l) Clutch: Open
- m) Carburettor: Open
- n) Air filter: Open
- o) Reed block: Open
- p) Reed Material: open
- q) Exhaust system: Open
- r) Tyres: Open
- s) Gear ratios: Open
- t) Machining: Open
- u) Non-programmable ignition systems must be used. No combustion enhancers such as NOS may be used and all bikes must be naturally aspirated.

15.21.2.7 Seniors and Juniors Class 6: Elite Open 40CC

- a) May be air or watercooled.
- b) Origin open, (may be Chinese or European made).
- c) Capacity: Maximum 40cc
- d) Crankcase: Open
- e) Crankshaft: Open, maximum 39.2mm stroke.
- f) Connecting rod & piston: Open
- g) Seals, Bearings, Gaskets: Open.
- h) Head/Barrel: Open.
- i) Coil: Open.
- j) Timing key: Open.
- k) Flywheel: Open.
- l) Spark Plug: Open.
- m) Clutch: Open.
- n) Clutch Bell: Open
- o) Carburettor: Maximum 14mm. Must be marked as 14mm or less by OEM, or Carburetor must be sized before commencement of racing by the Clerk Of Course, then marked and sealed.
- p) Air filter: Open.

- q) Reed block: Open.
- r) Reeds: Material open.
- s) Exhaust system: Open.
- t) Tyres: Open.
- u) Gear ratios: Open.
- v) Chain: Open
- w) Machining: Open.
- x) Non-programmable ignition systems must be used. No combustion enhancers such as NOS may be used and all bikes must be naturally aspirated

15.21.2.8 Seniors and Juniors Class 7: Elite Open 50CC

- a) May be air or watercooled.
- b) Origin open, (may be Chinese or European made).
- c) Capacity: Maximum 51cc
- d) Crankcase: Open
- e) Crankshaft: Open.
- f) Connecting rod & piston: Open
- g) Seals, Bearings, Gaskets: Open.
- h) Head/Barrel: Open.
- i) Coil: Open.
- j) Timing key: Open.
- k) Flywheel: Open.
- l) Spark Plug: Open.
- m) Clutch: Open.
- n) Clutch Bell: Open
- o) Carburettor: Open.
- p) Air filter: Open.
- q) Reed block: Open.
- r) Reeds: Material open.
- s) Exhaust system: Open.
- t) Tyres: Open.
- u) Gear ratios: Open.
- v) Chain: Open
- w) Machining: Open.
- x) Non-programmable ignition systems must be used. No combustion enhancers such as NOS may be used and all bikes must be naturally aspirated

15.21.2.9 Seniors and Juniors Class 8: Maxi Bikes

- a) Capacity: Up to 51 cc two stroke or up to 110cc four stroke aircooled.
- b) Motor: Chinese
- c) Maximum 12' wheels.
- d) Gear box: CVT or locked in one gear no manual changing of gears.
- e) All other parts open.
- f) Tyres: Open
- g) No combustion enhancers such as NOS

15.21.3 Minimotard

15.21.3.1 Junior riders (under 16 years) cannot compete with Senior riders

15.21.3.2 Class 5 (A & B): Minimotard 2 & 4 stroke.

Must be Motard designed bike, no road race type bikes allowed.

Age and capacity limitation

Seniors - 4 stroke up to 160cc (auto or manual) or 2 stroke up to 85cc (auto or manual)

Juniors age 9 to under 13, 4 stroke up to 125cc (auto or manual) or 2 stroke 85cc (auto or manual)

Juniors age 13 to under 16, 4 stroke up to 140cc (auto or manual) or 2 stroke 85cc (auto or manual)

15.21.3.3 Class 5 / A – Chinese 4 stroke Example - Motovert, PitsterPro, Thumpstar, DHZ etc

- a) Capacity: As mentioned above 4 stroke only.
- b) Bike (frame), Engine, barrel and head must be Chinese manufacture.
- c) Engine must be horizontal design.
- d) Engine work unlimited (up to capacity for specific classes).
- e) Fuel must comply with 2011 GRC 15.5.01
- f) Engines may be air/oil cooled only, (no watercooled).
- g) Gear box maybe used.
- h) Maximum wheel base: 1250mm
- i) Frames: To be open cradle design/construction.
- j) Maximum wheel size up to 12" front and up to 12" rear.
- k) Treaded or slick road tyres must be used (opposed to 2011 GRC 15.20.1.1).
- l) No combustion enhancers such as NOS may be used and all bikes must be naturally aspirated.

15.21.3.4 Class 5 / B – Open 2 and 4 stroke Example - Honda, Kawasaki, Yamaha, KTM, BBR, Takegawa etc

- a) Capacity: As mentioned above.
- b) Bike and engine may be of any country of origin, (outside of China).
- c) Engine may be horizontal or vertical design.
- d) Engine work unlimited (up to capacity for specific classes).
- e) Fuel must comply with 2011 GRC 15.5.01
- f) Engines may be air/oil or watercooled. The only coolant permitted is water (2011 GRC 15.2.1.5).
- g) Gear box maybe used.
- h) Maximum wheel size up to 12" front and up to 12" rear.
- i) Treaded or slick road tyres must be used (opposed to 2011 GRC 15.20.1.1).
- j) No combustion enhancers such as NOS may be used and all bikes may be naturally aspirated or EFI.