

# ***Cool FAB Racing***

## **2018 MiniGP BRITISH CHAMPIONSHIPS**

### **CLASSES - RIDER & MACHINE ELIGIBILITY - REGULATIONS**

#### **MiniGP50SP and MiniGP70SP**



#### **MiniGP50**

**Age 9 to 15 year old.** 8 year old riders may apply to race in this class if they have successfully completed a full Minimoto season with FAB-Racing and shown good ability. FAB-Racing will make the final decision. 9 year old riders that have not competed previously with FAB-Racing will be assessed on the first practice day before being allowed to compete in a race.

#### **Eligible Machines:**

**“As supplied” MetraKit MiniGP50SP motorcycles fitted with the following motors: Minarelli AM-6, Derbi Senda / GPR, or the Metrakit 50cc O.E motor as introduced in 2009. Motors must remain un-modified from manufacturers original supply specification except for any essential and permitted changes as listed below.**

#### **Obligatory changes:**

- 1) The gearbox oil drain and filler plugs must be drilled and wire locked.
- 2) Catch bottles on gearbox breather pipe, fuel tank breather pipe and radiator overflow pipe.
- 4) **Clearly visible** race numbers applied to a **contrasting background** on the front of fairing and either side of the fairing or seat tail.
- 5) **Tyre type is restricted to MITAS or SAVA MC series EC homologated 12” RACE tyres.**
- 6) Footrests must be changed to nylon material and any other parts of the machine that could damage the race track surface in the event of a fall must have effective “soft” protection added.

#### **Permitted changes:**

1. For machines with the AM-6 or Derbi motors changes of cylinder and exhaust can be made to parts **approved and purchased from FAB-Racing or BEK Wholesale.** The ignition can be changed to either PVL or the new FAB-Racing ignition. These changes will raise the power to equal as nearly as possible the Metrakit motor.
2. A steering damper may be fitted.
3. Front and rear suspension springs - SAE of damping oil - pre-load adjusters. The standard rear shock may be changed to the multi adjustable FAB-Racing approved & supplied Bitubo Monoshock or the FAB-Racing approved and supplied YSS Monoshock.
4. Front and rear brake pads - make and / or compound.
5. Front disc may be changed to MetraKit floating type or the new Galfer equivalent.
6. Change of primary drive gears to straight cut. (but no changes to internal gear box).
7. Make of chain (but must remain as 420, 420H or 420HR).
8. Front and rear sprockets sizes within the range listed by Metrakit.
10. The plug will be restricted to NGK types BR8 / 9 / 10 with any suffix and the cap to OE or LB05EMH.
11. Reed valve petals, but not the reed block. Note the reed block must not be machined.
12. Crankshaft may be up-rated to MetraKit SP or PRO or the original can have a MetraKit SP or PRO rod kit fitted.
13. MetraKit up-rated clutch kit and / or springs.
14. Use of MetraKit or Barikit pistons / rings as a service replacement.
15. The F/B master cylinder may be changed to any **OE production type** found on **ROAD** m/cycles up to 125cc.
16. Changes to carb. settings restricted to: main jet, main nozzle, pilot jet, slide needles, slide (#30 or #40 only).

No other changes or modification to carburettors allowed. Carburettor may be run with no filter or with any filter that will clamp directly to the carb or the air filter adaptor part no 91004224 or 91009814. Please check with FAB-Racing if you are not sure if you have the correct type.

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### Special Notes:

- 1) Pattern fairings & other fibreglass bodywork may be used as long as these are copies of Metrakit MiniGP50SP / 70SP originals and machines may not be run without the full fairing fitted.
- 2) Engine coolant must be distilled, de-ionised, or tap water with no additives.
- 3) Machines may be monitored for expected power output on a dynamometer.
- 4) Exhaust noise level must not exceed 98db measured as per MSA regulations applicable at each circuit.
- 5) Fuel used must be pump fuel readily and easily available to the public with no additives other than pre-mix lubricant.
- 6) Any machine thought to running outside of the regulations, either motor or chassis, must immediately be presented when requested by the organisers for examination, including the possible stripping the motor or any part or parts.
- 7) These regulations may be superseded at any time by supplementary regulation.
- 8) Generators must not be taken into the holding area.

**REMEMBER - UNLESS IT SAYS YOU CAN DO IT ----- *YOU CAN'T DO IT* — If you are not sure ask!!**

## **MiniGP70SP**

**Age 11 to 15 year old.** 10 year old riders may apply to ride MiniGP70 if they have successfully completed at least a half season in the MiniGP50 class. FAB-Racing will make the final decision.

### Eligible Machines:

“As supplied” MetraKit MiniGP70SP Motorcycles fitted with Minarelli AM-6, Derbi Senda / GPR, or the Metrakit 2009 O.E 70cc motor and un-modified from manufacturers supply specification except for the essential and permitted changes **as per the MiniGP50 other than the following:**

1. Carburettors must be 28mm MRD1, MRD2, or BRK **as supplied by FAB-Racing or BEK Wholesale.** Main jet, pilot jet, and slide needle, may be changed. **No modifications to be made to the carburettor.**
2. Cylinders must not be increased from original bore size.
3. BK-SP Cylinder kits supplied by FAB-Racing are permitted for AM-6 motors.
4. PVL or the FAB-Racing Ignition kits permitted on Derbi & AM-6 Motors.

**Special note:** If FAB-Racing consider that a riders weight could cause rear suspension problems and consequent dangerous handling characteristics an alteration to the rear shock, other than that listed (see MiniGP50 regs) will be allowed. Make and type will be decided by FAB-Racing who will sell the shock to the rider.

**We will be using a probe camera this year to make quick checks for internal modifications and that may lead to a request for the motor to be stripped for physical examination or measurement. Infringement of any regulation will lead to loss of points from that meeting and any second infringement to the loss of all points to that time.**

**Riders in the MiniGP70 class are not permitted to enter the Jnr. Minimoto AC40 PRO class.**

**IT IS VERY IMPORTANT THAT YOU READ AND TAKE NOTE OF THE GENERAL RULES AND REGULATIONS THAT OPERATE IN CONJUNCTION WITH THESE CLASS REGULATIONS**