

2006 100cc Leopard Senior Rules & Specs.

1 These supplemental rules are intended to work in conjunction with the IKF rules in general, and the IKF 2-cycle rules in particular. In the event of a conflict between any of these supplemental rules and any of the IKF general or 2-cycle rules, these supplemental rules will control.

2 Class Specifications

<i>Class:</i>	100cc Leopard Senior
<i>Weight:</i>	375 lbs
<i>Age:</i>	Attained age of 15 - up
<i>Tires:</i>	Bridgestone YHC 4.50 front, 6.00 or 7.1 rear.
<i>Engine:</i>	IAME Parilla 100cc Junior Leopard as specified. (54 mm stroke – 48.53 mm bore)

3 Chassis Specifications

- 3.1 As per section 200 Sprint Racing, and
- 3.2.1 55" maximum width.
- 3.3.2 C.I.K. style bodywork is required (2002 or 2003 and newer).

4 General

- 4.1 No carbon/ carbon or fiber braking systems.
- 4.2 Airboxes are required, and shall have a maximum of two 22mm tubes, see technical specifications section 6.8.
- 4.3 Catch containers are required for radiator overflows.
- 4.4 Cooling systems may use only water or water-based coolants.
- 4.5 Radiator must be OEM.
- 4.6 Batteries must be gel cell type, and sealed. (No cracks or leaks).
- 4.7 Stalled karts may restart using electric starter, but the driver must remain in the kart.

5 Technical Specifications

- 5.1 Unless otherwise specified, ALL components of the airbox, carburetor, carburetor cup , engine (ALL internal & external parts of the engine including the head), reed cage, starter, Ignition, clutch, header, pipe, and radiator shall be OEM and as Original Manufacture (see section 504.3 IKF Rules), AND must meet manufacturer's specifications. NO after market part or parts
- 5.2 NO Blue printing, realigning, grinding, reshaping, sandblasting, polishing, coating, removal or addition of ANY material on, ALL components of the carburetor, carburetor cup , engine (ALL internal & external parts of the engine including the head), reeds and reed cage, starter, ignition, clutch, header, pipe, except as specified in section 6. Gaskets and Seals are non-tech, but must be in place.
- 5.3 Cylinder
 - 5.3.1 Maximum bore diameter 48.53mm
 - 5.3.2 One or more shims may be placed under or above the cylinder to adjust the port degree timing to meet manufacturer's specifications.
 - 5.3.3 Material may be removed from the top or bottom edge of the cylinder only to set port timing and to meet minimum head volume cc as per manufacturer's specifications.
 - 5.3.4 The cylinder may be bored and/or honed to fit OEM pistons and rings as normal maintenance requires. NO radius of port windows or other areas of cylinder are allowed. Cylinder may not exceed maximum bore specifications.

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5.4 Head

5.4.1 Head combustion chamber Shall NOT be reshaped. There shall be NO milling or machining of the head as per section 6.2.

5.4.2 The head shall be OEM and as Original Manufacture (see section 504.3 IKF Rules) and meet minimum head volume cc as per manufacturer's specifications.

5.4.3 Checking head volume, refer to I.K.F. Technical Inspection Manual section 602.1. with the exception that the desired displacement in section 602.1.5 for the burette calibration tool shall be as per manufacturer's specifications.

5.5 Clutch

5.5.1 No alteration of the clutch from known manufacturer's stock parts. Any attempt to bypass or circumvent this rule will be considered illegal.

5.5.2 The clutch body shall have a minimum weight of 460 grams. This will not include hardware or mounting parts.

5.5.3 The clutch drum shall have a minimum weight of 292 grams. This will not include the drive gear, hardware or mounting parts.

5.6 Carburetor

5.6.1 Tillotson 334A or 334AB 23mm Maximum bore carburetors are legal and allowed.

5.6.2 Carburetor may be mounted in either up or down position.

5.6.3 Air filter cup must be OEM, as Original Manufacture, no machining allowed.
See I.K.F. Technical Inspection Manual sec. 603.1.3.

5.6.4 Fuel mixture screws may have extensions added to assist in carb tuning.

5.6.5 Throttle shaft screw is non tech, but must be in place.

5.6.6 NO installation of O rings or other sealing devices on carb shaft.

5.6.7 NO machining of carb body (sec.6.2) except carburetor gasket plates may be surfaced to a flat condition without excessive removal of material.

5.6.8 Throttle linkage cable clamp is non-tech.

5.6.9 Throttle linkage is non-tech.

5.6.10 Pulse hole no go is .101 inches.

5.7 Reeds

5.7.1 Reeds must meet minimum thickness \pm as per manufacturer's specifications.

6.8 Airbox

5.8.1 Must have a maximum of two 22mm baffles plus or minus 1mm. Each baffle not to exceed 23mm (.905") in diameter and 95mm (3.74") minimum length.

5.8.1.1 Air box tech gauge, refer to I.K.F. Technical Inspection Manual section 603.1.4.5.

5.8.2 Internal or external air cleaners are legal.

5.8.3 Rubber mounting flange may be used in straight or angled position.

5.9 Spark plug

5.9.1 The only allowable spark plugs are any BR series NGK .

5.9.2 The spark plug shall be a $\frac{3}{4}$ " reach plug. Refer to I.K.F. Technical Inspection Manual section 602.1.4.

5.9.3 The spark plug boot is non-tech.