

## **MANUFACTURERS WORLD CUP BIKES**

Seven popular machines have been approved to date for competition in the Inaugural Manufacturers Cup chase. All are lightweight, high performance, high horsepower, 4-stroke, 4-valve head singles. In alphabetical order they are: ATK 450; Honda CRF450R; Husqvarna TC450; Kawasaki KX450F; KTM 450SX; Suzuki RM-Z450 and Yamaha YZ450F.

Certain oval track performance enhancing modifications will be allowed to the chassis. However, the OEM engine formula and plastic must be maintained. OEM logos must also be placed conspicuously on both sides of the machine. Technical and safety rules exclusive to ice racing will be in effect.

### **MANUFACTURERS WORLD CUP ICE RACING CHAMPIONSHIPS TECHNICAL RULES:**

Updated:9/9/09

Make and model of machines approved to compete in the Manufacturers Wold Cup Mega Series:

ATK - 450

HONDA - CRF450R

HUSQVARNA - TC450

KAWASAKI - KX450F

KTM - 450SX

SUZUKI - RM-Z450

YAMAHA - YZ450F

**BRAKES:** Fully functional rear brake mandatory. Front brake must be removed or disconnected.

**WHEELS:** Rear 19", Front 19" or 21"

**TIRES:** Rear 19" directional knobby, Front tire choice optional. NO TIRE CUTTING.

**FUEL:** Gasoline - performance unleaded

**EXHAUST:** Aftermarket exhaust pipe is allowed. No megaphones. Muffler optional.

**PLASTIC:** Stock original appearing OEM plastic must be utilized. A 10 square inch minimum size logo sticker must be placed conspicuously on both sides of machine.

**LOWERING MACHINES:** To enhance oval track performance by modifying OEM suspension system, using aftermarket shocks & springs, and using 19" front wheel is allowed.

**REAR SWING ARM AND FRAME MODIFICATIONS:** Are not allowed. Stock OEM frames and swing arms must be utilized.

**ENGINE:** Stock OEM configured 450cc, 4-stroke, single cylinder. Factory OEM stroke. Maximum overbore .010. Minimum displacement 449cc.

**CARBUREATION/FUEL INJECTION:** Stock OEM required

### **RACING STUDS:**

A. Only "Silver Rockets" .160 Max studs are allowed. .160 inch as measured from bottom of washer to top of stud head. Silver Rockets available from ICE and dealers in 1" and 5/8" shank lengths.

The minimum length of the threaded screw shank utilized in the rear tire studs shall be no less than 5/8" measured from the bottom of the washer to the tip of the screw shank.

B. No alterations of screws/studs.

C. No washers or spacers under screws/studs.

D. No overlapping of screws/studs.

E. Zero (.000) clearance between screw/stud washers and tire knob.

F. Screw/stud washer shall be flush with tire knob as in diagram: (1)

G. ICE TIRE GUARDS: All machines must be equipped with front and rear tire guards. Tire guards can be constructed with plastics, fiberglass, Kevlar, carbon fiber or metal. No sharp edges or pointed objects can be present. In keeping with spirit of the Manufacturers World Cup we ask that you design and fabricate guards to be as least conspicuous as possible, not to significantly detract from OEM appearance. A flat black, or similar finish would be helpful in this goal. We want the OEM plastic to be the dominant image the spectators see and cameras record. The top of the guards may be bolted or riveted to the underside of the OEM fenders as shown in diagram. Braces similar to diagram shall be used to strengthen guard. Except for specified dimensions diagram is only meant to be a guide.

**PROFESSIONALISM:** Standard size number plates will be required on the front of all pro machines

this year, clearly visible when viewed from the front by cameras and scorekeepers. All number plates visible from the front must be white and all numbers on the front of all machines must be Unical vivid blue or the Blue. For plate/sticker makers and sign companies the color number is CMYK ID is C:100 M:70 Y:0 K:0. Leave 2 from the top of the front number plate open for ICE sponsor and logo. If you have a problem finding these colors of Blue for your front plate contact Tom McGrane Jr. at (717) 442-9198 and he ll help you out. We would appreciate it if your side numbers were also this same color blue. When looking at the photo gallery on icespeedway.com you can see how well the blue numbers look and how they set our series apart from all others in media coverage and elsewhere.

All pro racers will be required to wear an ICE logo on the upper 1/3 front side of your jersey or leathers. For iron on's, sew on's or for a graphic file for your gear company. Please contact I.C. E. headquarters so they can provide you with the appropriate solution.

Your pro racing name is required to be on your upper back at least 3 tall. We also recommend you place your ICE racing number on the back of your jersey or leathers at least 8 tall.

**KILL SWITCH:** All pro machines, Bikes & Quads, must be equipped with a functioning tethered Dead Man kill switch. This rule was implemented last season and is mandatory NO EXCEPTIONS

**NUMBERS:** Your number is very important to your professional racing identity. New Pro Riders must select a one or two digit number from our list of available numbers 2-99 asap. If you raced with us last season your number will be reserved until one day prior to our season opener. To own your number for another year simply send in your Pro Rider license application/fee prior to one day before the opening round and it s yours. You do not need to compete in the season opener to keep your number, but you must have your paperwork to us on time to claim it. There will be no 3 digit numbers, no duplicate numbers, or numbers with letters next to them from now on.

## **UNLIMITED OUTLAW QUADS**

### **TECHNICAL RULES:**

Updated:9/9/09

Rear Wheel Drive only

**Engine:** Any motorcycle/ATV type engine, production or race works, that can be purchased new or used by competitors may be used. Displacement of engine is unlimited. Engine must be mounted ? Mid-Engine?. In front of the rear drive axle and behind front axle plane.

**Fuel Type:** Unleaded Race Gasoline, Methanol or Nitromethane.

**Brakes:** Mandatory

**Bumpers and Nerf Bars:** required.

**Dimensions:** Machine shall be no wider than 50? at any location.

**Safety:** THE ULTIMATE RESPONSIBILITY FOR COMPLYING WITH WSRA RIDER SAFETY REGULATIONS LIE WITH THE PARTICIPANT.

A self closing throttle and a functioning ?Dead Man? kill switch: are mandatory.

1. Sharp edges, pointed objects must be covered, balled or rounded. Handlebar ends, etc. must be plugged.

An approved racing helmet/shatterproof eye protection (goggles or shield) must be worn. Also high top boots and full coverage padded racing uniforms must be worn. It is highly recommended that racers wear motocross type shoulder, back and chest protectors along with knee and elbow protection.

2. Excessive smoke from the exhaust of a machine can be grounds for a Black Flag disqualification. Please keep the machines running as clean as possible for the comfort and enjoyment of our indoor race fans. If you run gas, use unleaded.

**Tires and Racing Studs:** At many races we do have a studded tire rental program available. Should you want to do up your own tires only SILVER ROCKETS .160 Racing Studs will be allowed. They are available in 5/8? and 1? screw shank lengths from I.C.E./WSRA. Tires of choice for most racers are Cheng Shin Knobbies (ice tires) or Turf Tamers. NO TIRE CUTTING.

1. There shall be no alterations to studs/screws, no washers or spacers under studs/screws, no overlapping of studs/screws, they must be installed straight in to tire knob and the serrated washer on the bottom of the stud head must be flush touching tire knob.

2. Procedural, competition, technical and conduct regulations outlined in the WSRA Official Book Of Rules And Regulations and, or Official Entry Information.

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All pro racers will be required to wear an ICE logo on the upper 1/3 front side of your jersey or leathers. For iron on's, sew on's or for a graphic file for your gear company. Please contact I.C. E. headquarters so they can provide you with the appropriate solution.

Your pro racing name is required to be on your upper back at least 3" tall. We also recommend you place your ICE racing number on the back of your jersey or leathers at least 8" tall.

**NUMBERS:** Your number is very important to your professional racing identity. New Pro Riders must select a one or two digit number from our list of available numbers 2-99 asap. If you raced with us last season your number will be reserved until one day prior to our season opener. To own your number for another year simply send in your Pro Rider license application/fee prior to one day before the opening round and it's yours. You do not need to compete in the season opener to keep your number, but you must have your paperwork to us on time to claim it. There will be no 3 digit numbers, no duplicate numbers, or numbers with letters next to them from now on.

## [BIG DOGS \(mini pit bikes\)](#)

### TECHNICAL RULES:

Updated: 1/25/07

**Machine:** aftermarket frames allowed.

Maximum front wheel diameter 12" Rear wheel 10".

Tire selection optional.

Shock and spring selections optional.

**Engine:** Block must be OEM part number sold originally as 50cc displacement.

Displacement: Open.

**Fuel:** Unleaded gasoline.

**Safety:** Approved helmets, eye protection, long sleeve jersey or jacket, long pants, gloves and boots mandatory.

Chest and back protectors, knee, shin, elbow, forearm protection recommended.

**Age:** Minimum age 16 with parental consent.

Your racing number must be clearly visible on the front and side of your machine. Number choice is awarded on a first come first serve basis.

For ice racing specifically: Only Silver Rockets .160 Racing Studs will be allowed. They are available in 5/8" and 1" lengths from I.C.E. Only 2 studs per tire knob allowed. No tire cutting. There shall be no alterations to the studs/screws, no added washers or spacers under studs, studs must be installed straight with the serrated washer on the bottom of the stud head completely flush with the tire knob. 10" rear wheel mandatory, 10" or 12" front wheel may be used

## **AMATEUR QUADS**

### **TECHNICAL RULES:**

**RULES:** Racers must be at least 16 years old. Machines must be at least 125cc or larger engine displacement. Riders must wear acceptable helmets and eye protection, high top protective boots, long pants and sleeves. Place your numbers on the front and back of your quad. You may put sponsors names/signage on your machine. Quads must be clean with no dirt/mud or debris that could dirty pits and the ice surface. Unleaded gasoline only.

## **XTREME ICE SPEEDWAY KARTS**

### **TECHNICAL RULES:**

1. WKA Speedway Kart chassis and body rules in effect.
  2. Wheels must be 5 or 6 diameter, maximum width 10 .
  3. Tires optional. Must use Silver Rockets Racing Studs available from ICE. No tire cutting.
  4. ENGINE: Open 4-stroke, single cylinder. One engine only.
  5. FUEL: Methanol, nitro is allowed.
  6. Minimum weight 350lbs.
  7. Must have legible minimum 6 tall numbers on right front and both sides.
  8. Must have full speedway style body covering nose, front wheels and sides outside of nerf bars. Body can be either fiberglass or plastic material.
- SAFETY:** Approved helmets, eye protection, gloves, shoes, long sleeve jacket and long pants are mandatory. Full racing suits are welcomed.
- AGE:** Minimum age is 18. Drivers age 14 - 17 with a minimum of 2 years previous racing experience may also be eligible to race with properly completed parental consent forms.
- RACING FORMAT:** Rider fields of 12 or more: 6 rider 6 lap Heats, 8 rider 8 lap Main Event.