

Vintage Snowmobile Race Rules  
February 11, 2017

Coordinated by the Lisbon Stump Jumpers  
**September Revision**

Items in red are the main changes

- At this time we are planning just one race in Lisbon.
- Brad has made some changes to the classes of races. Hopefully he doesn't have more changes.
- There will not be any transponders this year.
- The top 3 winners will receive trophies.
- There will be an early registration period with discounted prices.
- *Please note if there are not at least 5 (five) sleds in a race, that race will be cancelled*

❖ ALL sleds must pass a pre-race SAFETY / Tech inspection and receive an inspection sticker.

Key inspection items are:

1. Number on the sled – (should be at least 6 inches tall, and contrasting color of cowl)
  2. Ski tips must be padded around hoops/edge.
  3. Working tether switch
  4. Studs - only on certain class if allowed as per the rules
  5. Snow flap present
- Additional tech inspections may occur at any time during the day. The top 3 sleds of each race may have a random inspection prior to presentation to the winners. During an inspection there should be at least two race officials present. The racer and one crew member will be allowed in the area of inspection.
  - **Race Numbers**
    - We have the racers information from 2016. We will make every attempt to allow you to keep the number you had in 2016. Those who pre-register will have the greatest likelihood of retaining their current numbers.

**PLEASE pre-register** when possible. As you know from past experience the Lisbon Stump Jumpers **have never** cancelled a race due to weather conditions. Pre-registration allows a smoother start to the race.

### **Race Day**

- The pit will be open at 7:30 am. Please be checked in by 9 am. Tech will occur from 7:45 to 9:45. Races will start at 10 am. NO ONE can register to race after 9:30.
- Entry Fee Charges
  - Preregistration: \$30 per sled for one class. Each additional class will cost another \$20. Exception: Youth and 120 cc will cost \$25 per class.
  - Those registering on race day will have an additional charge of \$15 added to each race entered
- Anyone entering the Race Pit Gate will be charged \$5 per person as an admission fee

### **General Rules**

- **All drivers are age 18 or over, except for age related classes**

- **Under age 18 will need parent/guardian present on race day, and complete the Youth application form**
- Pushing, bumping or hitting if deemed intentional will result in being disqualified
- **Starting Procedure:** Heats and finals will be motocross style. Racers will be lined up with engines running.
- Any sled that stops working must be pulled into the infield as soon as possible. No one is to cross the track to assist in repairs of the machine.
- Excessive speed or horseplay is not allowed in the pit area. Again is subject to disqualification.
- If a sled is running – a tether needs to be hooked to someone
- The driver agrees to accept all decisions of the race officials unconditionally.
- **Chest protectors are required** for safety in all classes.

#### **Race Length All races (except 120 cc)**

- Qualifier: 5 laps
- Last Chance Qualifier : 5 laps (subject to race entries and conditions of the track)
- Feature Race: 10 laps

#### **Race Length for 120 cc**

- Qualifier 3 laps
- Feature race: 7 laps

#### **Classes available-**

F/C Twin to 300 cc	HR Stock – Single Cylinder	Youth 10-13 to 340 cc
F/C Twin to 340 cc	HD Super Stock – Single Cylinder	Youth 14-17 to 440 cc
F/C Twin to 440 cc	F/A Mod 340	120 cc 4 stroke stock 5-9
Powder Puff	F/A Mod 440	120 cc 4 stroke mod 7-10
50 and older	F/A Stock 340	F/C Stock 500cc IFS

## **RACE RULES PER CLASS**

### **HR STOCK**

1. Must be production line model offered to the public in 1973 and older with a fan-cooled engine  
Example: Arctic Cat may use Puma, Cheetah, Panther and Lynx with any 1973 and older Arctic Cat engine  
Example: Ski-Doo may use TNT, Olympic or Elan with any HR port engine 1973 and older
2. Fan-cooled single cylinder only with HR port
3. Engine BRAND must be available for model used (Ex. All Arctic Cat models may run Kohler, Sachs, JLO , Kawasaki and Hirth engines of any cc)
4. Overbore allowed up to .060
5. NO porting or polishing permitted – NONE
6. Stock carburetor or float type replacement – NO flat slides – must be smaller than the port
7. Stock muffler only
8. Points ignition only – no CDI
9. No reed or rotary induction
10. Stock suspension only – no replacements
11. 4 inch carbides are allowed
12. Shock absorbers allowed on skis
13. Stock clutch or duster / powerbloc replacement
14. Stock length replacement tracks allowed – ¾ inch lug height max
15. Ski spreaders allowed

---

General Rules for all classes including Fan-Cooled Single and Twin Cylinder Classes: EXCEPT HR STOCK

1. Replacement track with  $\frac{3}{4}$  lug height max
2. 1976 and older suspension may be interchanged
3. Stock clutch or duster/power bloc replacement
4. Stock secondary clutch
5. Chassis used must have been produced with a fan-cooled engine
6. 3 inch spreaders are allowed
7. Steel ski's
8. No studs
9. No adjustable handlebars – all changes must have been welded
10. Stock appearing seat
11. Float type carburetors allowed, must be smaller than port
12. No Jackshaft models

### **HD SUPER STOCK**

1. 1973 and older chassis
2. 1973 and older engines – brand must match chassis – single cylinder only
3. Over bore allowed
4. Any stock type muffler – no mod pipes
5. No reed or rotary valves
6. Point ignition only - no CDI
7. Float type carbs allowed
8. HR port sleds may enter this class

### **FAN COOLED Stock Twins** – (300 twin, 340 twin, 440 twin, Youth age 10-13, Youth age 14-17, Powder Puff, or 50 Plus)

1. Must be production line model as a 1975 or earlier model.
2. Overbore allowed
3. Stock muffler for sled
4. No reed or rotary valves
5. Stock ignition only
6. Float type carb allowed
7. **Youth under 18** years old only: Parent/ guardian must be present to sign waiver.

---

### **FREE AIR STOCK 340 cc**

1. Must be production line model as a 1978 or earlier model – **no limited production race sleds**
2. **Stock reed and rotary valve engines allowed (one year trial basis)**
3. Stock clutches
4. Stock exhaust only – **STOCK twin pipes allowed** – absolutely no aftermarket
5. 34 mm carb max
6. No Studs
7. Stock steel skis
8. This sled is also allowed in 50 plus class

## F/C Stock 500cc -IFS

This class is limited to the sleds and years listed below only!

Arctic Cat Cougar 1985 to 1990	AFS Jag 1989 to 1991	Ski Doo 1988 1989, Stratos
Safari 1990 to 1993 368,440,503cc	Yamaha 1985 to 1995	Phazer Polaris 1985 to 1992
Indy Trail 488 & 440 cc	Indy Sport 340 & 440 cc	

Are stool

- Fan cooled engine with functioning fan. Must have original style ignition.
- No performance kits, OEM/aftermarket ex. GYT kits. Heads, cylinders, exhaust, ignition, carburetors.
- Chain case must be original, must maintain stock clutch covers, must have primary clutch covered.
- Skis: Stock replacement type skis of any manufacturer. No aluminum/plastic skis/skins. Up to 6 inch carbide only, no additional keels or runners. Runner will not stick down more than 9/16" from bottom of ski. No ski spreaders. \*
- Brakes will remain stock for year, make, and model
- Tracks: Original/stock replacement to ¾" lug height. No longer than 121". Changing track drivers is allowed. No cleated tracks. No special racing or "R" tracks, no cut down width tracks. No traction devices of any design or size.
- Clutch: You may change gear ratio, clutch springs/weights. Secondary clutches must be stock for year, make, model can change helix and spring.
- Suspension: Stock rear suspensions for year, make, and model no changes from stock. Stock front suspension, no widening or any other changes from stock.
- Handlebars: Must be original bars for the year, make, and model. They may be reinforced but cannot be extended or raised. Hooks ARE permitted. No bending or straightening of bars is allowed.
- Fuel tanks: Must be factory fuel tank for year, make, and model only and secured safely.
- Motor regulations: \*Fan cooled motors only. Fan must remain operational. \*Motor must be an available option for the chassis entered in the race.
- Reeds must be OEM, no aftermarket. Original primary clutch for year, make, and model only, no aftermarket replacement types. Carburetors are original size and type for year/make/model of sled/ motor being run. Jetting can be changed and airbox can be removed, oil pumps can be removed. Original exhaust for year/make/model. Pistons are stock replacement up to .040" oversize allowed. No port grinding, only edge chamfering. Must have stock port sizing. Bead blasting for cleanup only, cannot remove casting lines/port material. No porting /polishing of any type on any internal parts.

## FREE AIR MOD – 340cc or 440cc

1. Any free air (FA) or fan cooled (F/C) engine and chassis up to 1978
2. Leaf spring front end only with any type skis
3. Tracks – 750 max lug height – original or replacement – changing track drivers is allowed
4. Carbides allowed – NO Dooly's
5. Engine brand must match sled – NO Mixing of brands
6. Any carbs – NO flat slides
7. Studs allowed - 2 per pitch or cog. Any machine that had cleats from the factory must be riveted on, not bolted and be made of steel.

## Stock 120 cc

- Can be any year or make - 4 stroke up to 120 cc engine
- Skis – Can be plastic. Can have carbide runners. Tips must be padded.
- Track - NO studs
- Governor, gear, centrifugal clutch changes are permitted, No belt drive
- Must have chain guard
- **Driver:** age 5 – 9
- **Parents/Legal Guardian:** must be present at the race. One parent /guardian may be at start line. NO crew member allowed pass start line. Specific **liability form** must be signed on race day.

## Mod 120 cc

### **Same as 120 cc Stock except:**

- 4 stroke engine up to 206 cc with 6500 RPM limit
- Track - Can use studs
- Engine mods are permitted, no methanol or exotic fuels
- Any governor or clutching mods are permitted.
- **Driver:** age 7 - 10

**Parents/Legal Guardian:** must be present at the race. One parent /guardian may be at start line. NO crew member allowed pass start line. Specific **liability form** must be signed on race day.

## **Contact information**

Race Committee Chair – Joe Wiggett 838-6059 [josephawiggett@gmail.com](mailto:josephawiggett@gmail.com)  
Tech information Brad Gooden 838-6383  
Club President Cheryl Wiggett 838-6059 [lisbonstumpjumpernh@gmail.com](mailto:lisbonstumpjumpernh@gmail.com)  
[www.lisbonstumpjumpers.org](http://www.lisbonstumpjumpers.org) – Vintage Race area for Rules, registration, information  
Facebook: Lisbon Stump Jumper