

603 Vintage Snow Oval Racing Rules.  
Winter 2018

Vintage Oval Divisions

Stock

Super stock

Mod

Junior and 120's

Driver Requirements or Recommendations

1. It is recommended that the drivers helmet be a minimum of 75% blaze orange and at least 144 sq in (12x12) of front and back of upper body clothing, jacket, vest or jersey be blaze orange.
2. Gloves and leather boots with leather at least 6" above the ankle are mandatory super stock and mod, recommended in stock, junior, and 120.
3. Eye protection is mandatory all drivers, recommended every one on starting line and hot pit.
4. Hearing protection mandatory mod, recommended all classes.
5. Upper body protection mandatory all classes (tech vest).
6. Shin and knee guards mandatory in mod and super stock, recommended all classes.
7. Upper arm pads, elbow pads, and neck braces are recommended all classes.
8. Tethers are required for all classes, hooked to jacket not glove, tether must be used any time sled is operating.
9. Age. If you have a birthday in the first 6 months of the new year that is your age for the winter race season.

Sled Requirements

Drive.

1. Full coverage clutch guard mandatory Mod, recommended all classes.
2. Rear tunnel enclosures mandatory Super Stock and Mod, recommended all classes.

Track.

1. Any commercially available one piece molded rubber track with a maximum lug depth of  $\frac{3}{4}$ " allowed. Any brand track maybe used on any brand sled. R tracks are allowed and encouraged.

Ski suspension and steering.

1. Leaf springs must be fully functional steel leaf springs and OEM for the model.

Race numbers

1. Race numbers must be placed on both sides of the hood in contrasting colors at least 5" high.

STOCK

340, 400 single, and 440.

Powder puff 440, 50yrs plus 440.

If these rules do not specifically allow a change or modification, then it must be assumed that the change or modification is not allowed.

1. Any stock qualified production leaf spring, fan cooled, 1974 (model year) or older snowmobile

## ENGINE

1. Must be OEM for model and year.
2. Engine mounts, exhaust and their mounting location must be OEM model and year.
3. No internal modifications allowed to the engine.
4. No external modification allowed. Engine must maintain OEM for model appearance.
5. Engine bore size may be increased to a maximum of 1.5mm over standard bore.
6. Aftermarket pistons are allowed.
7. Intake concept must be maintained including number of carbs
8. Any round slide or butterfly carburetor from a stock qualified sled (1985 or older) is allowed. Carburetor bore size, original carburetor for model bore size plus or minus 2mm, Air boxes may be removed or modified.
9. Fan cooled motors only.
10. Must be naturally aspirated.
11. OEM for model exhaust systems must be used and may not be modified.
12. Ignitions will be OEM from any stock qualified brand 1985 or older. Programmable ignitions are not allowed.

## DRIVE

1. Drive clutch must be OEM model and year or aftermarket replacements (Comet, Power Bloc, etc).
2. Driven clutch must be OEM model and year.
3. Chain case OEM model and year, Any gearing.
4. Any track drive sprockets and axle may be used.
5. Chassis without jackshafts, may NOT add jackshafts.
6. Chassis with jackshafts must remain OEM model and year.
7. Brakes may be upgraded, mounting must remain the same and same location.

## Ski Suspension and Steering

1. Steel skis from any qualified 1985 or older brand may be used, no aluminum, plastic, aftermarket allowed. All ski hoops and tips must be padded. Spreaders allowed 3" max each side.
2. Single carbide runner 3/4" below the bottom of the ski max.
3. Only oil filled shocks can be used on skis. No gas shocks.
4. Steering column must be OEM for model and year, the handlebar or the mounting bracket may be replaced.
5. Handlebars may be modified or replaced with any commercially available handlebar. Hooks may be added.

## Track Suspension

1. Any track suspension from a stock qualified, 1985 or older sled is allowed, Suspension must be used with no modification, Snow wheels may be added or removed. No remote adjusters.

## Track and Traction

1. Any brand one piece molded rubber track allowed, produced for or to replace a stock qualified 1985 or older, track must be used as produced, no modification. R tracks are allowed and encouraged. Cleated tracks may be changed to rubber, but rubber can not be changed to cleated.
2. No traction devices or studs of any type allowed

### Frame and Body

1. Frame must be OEM for model and year, no modifications allowed.
2. Hood must be OEM for model and year, windshield may be modified or removed, headlight may be removed or taped.
3. Fuel tank from any brand or model may be used, must remain stock location, no aftermarket or Custom fuel tank allowed.
4. Seat must maintain approximate stock appearance, minimum thickness of 4."

### SUPER STOCK

- Any stock qualified AIR COOLED, LEAF SPRING, 1977-1985 model sled.  
 Stock 1974 and older sleds may run in SUPER STOCK as a STOCK qualified sled or modify sled to SUPER STOCK specs, but if modified, sled will no longer be allowed to run in STOCK.  
 SUPER STOCK 250, 340, 400 SINGLE, 440 AND OPEN.  
 340 Powder puff, 340 55yrs and older.  
 IFS Fan cooled 1977- 1992, 40" center to center no offset.

### ENGINE

1. Must be OEM for model and year.
2. Motor mounts, and exhaust must remain in the original OEM locations for model and year.
3. Any internal modification allowed to the engine.
4. No external modification allowed, Engine must maintain OEM appearance for model and year. Engine components from other model sleds may not be substituted unless they have the same part number.
5. Engine bore size may be increased by a max of 1.5mm over stock, after market pistons are allowed.
6. Intake design must remain as produced.
7. Any round slide or butterfly carburetor from a stock 1985 or older sled is allowed, air boxes may be modified or removed.
8. OEM cooling fan or free air must remain OEM for model and year.
9. Must be naturally aspirated.
10. Exhaust must remain OEM for model and year and untouched.
11. Ignition any 1985 and older OEM allowed, no programmable ignitions.

### DRIVE

1. Any OEM brand or aftermarket drive clutch.
2. Any OEM brand driven clutch, no roller clutch's.
3. Chain case OEM for model and year, no belt systems, any gearing.
4. Any drive sprockets and shaft.
5. Chassis without jackshafts, may NOT add jackshafts
6. Brakes may be up graded, but must remain same mounting and location.
7. Sleds with jackshafts may use any jackshafts.

### SKI SUSPENSION and STEERING

1. Any production or aftermarket steel ski may be used.
2. Leaf springs must be steel and functional.
3. Ski shocks must be oil only. No gas shocks.
4. Spindle and crossmember ends must be closed.
5. Ski spreaders allowed, 3" max each side, no offset allowed.
6. Spindles must be OEM or aftermarket replacement and remain in OEM housing.

7. Steering column must be OEM for model and year, in OEM location, handlebar and handlebar mounting may be modified or changed.

8. Handlebars may be changed or modified.

#### TRACK SUSPENSION

1. Any OEM track Suspension from a stock qualified, 1985 and older sled, suspension limiting devices may be added, Snow wheels may be added or removed. No remote adjusters allowed

#### TRACK and TRACTION

1. Any commercially available molded rubber track allowed, track must be used as produced, no modification. No cleated tracks allowed.

2. Studs minimum tip angle 60 degrees, maximum stud height above highest track rib or lug 3/8".

#### FRAME and BODY

1. Frame OEM model and year and brand, reinforcements allowed.

2. Hood OEM model and year, windshield may be removed, or modified, headlight may be removed, blocked, or taped.

3. Fuel tank from any brand sled may be used, in same original location of OEM tank, no aftermarket or custom tanks.

4. Seat must maintain approximate stock appearance, minimum 3" of thickness.

#### MOD

1985 and older stock qualified leaf spring sled.

SUPER STOCK sleds can move up and race in MOD

#### CLASSES

MOD 340, 440 and Open.

Outlaw single cylinder, no reed motors or jackshafts, chassis 74 or older, Hood matches chassis.

#### ENGINE

1. Engine and Chassis must be same brand and both must be 1985 or older.

2. Any internal or external modification allowed.

3. Bore size may be increased 1mm above class cc.

4. Carburetor any, no fuel injection.

5. Air boxes may be removed.

6. Exhaust Any, require a silencer.

7. Must be naturally aspirated.

#### DRIVE

1. Any drive or driven clutches, roller driven allowed, any chain case, any drive sprockets or axle allowed.

2. Any jackshaft and jackshaft may be added.

3. Brakes may be up graded and moved to front axle, if moved, must be guarded to protect driver

#### SKI SUSPENSION and STEERING

1. Skis may be steel, plastic, or aluminum, leaf springs must be steel and functional.

2.Ski spreader allowed, 3" each side with a max width of 40" center to center, no offset, sleds are allowed up to a 2 1/2" offset if the total center to center is 36" or less

3.Any commercially available handlebar and or steering column allowed.

#### TRACK SUSPENSION

1.Any track Suspension allowed, no remote adjusters allowed.

#### TRACK and TRACTION

1.Any commercially available rubber molded one piece track allowed, track must be used as produced no modification. No cleated tracks.

2.Studs minimum tip angle 60 degrees, and maximum height above tracks highest track lug is 3/8".

#### FRAME and BODY

1.Frame must be 1985 and older, Exact reproduction chassis's are allowed.

2.Frame reinforcements are allowed.

3.Frame may be widened to 40" center to center, no offset.

4.Hood must be 85 or older for brand, windshield may be removed or modified, headlight must be removed or blocked.

5.Any fuel tank, and any Seat.

#### JUNIOR

120 Semi stock, stock motor and clutch.

120 Modified, Engine, clutch mods allowed.

9-12 yrs single cylinder 74 and older, and 77-85.

13-17yrs 340 max 74 and older, and 77-85.

13-17yrs single cylinder 74 and older, 77-85

Racers must race in there age group only.

77-85 sleds MUST MEET STOCK RULES SPEC.S (no Studs, no internal engine mods, etc.) NO SUPER STOCK Spec. Sleds allowed in Junior.

#### RACE DAY

1. REGISTRATION ends 9:30, no refunds once the race starts. Race tech ends 9:45, RACING starts 10:00, be ready, it is the racers responsibility to be in the hot pit on time, watch the board.
2. FLAGS. GREEN starts race, RED, stops race, return slowly to starting line, YELLOW. Caution slow down stay in line in racing order, CHECKERED race is over (you won). BLACK. Disqualification go to pits wait for race official calmly.
3. OFFICIALS have the last word. Accept the ruling and move on, remember it's only for a trophy.
4. ATTEND DRIVERS MEETING. GET INSTRUCTIONS FOR THE DAY AND LEARN OF ANY CHANGES TO PROGRAM

#### TECH QUESTIONS

120 and Junior.

Tim Carnes. Harleyjacks@gmail.com 603-986-5830

STOCK, SUPER STOCK, MOD.

Dave Copeland [dbcopland@yahoo.com](mailto:dbcopland@yahoo.com) 603-942-8303

Have fun, support the volunteers, or become one, support your fellow racers. Thanks.

CLASSES.

- 1.Stock 340 twin.
- 2.Stock 400 single.
- 3.Stock 440 twin.
- 4.Stock Powder Puff 440.
- 5.Stock 50 yrs and older 440.
- 6.Super Stock 250.
- 7.Super Stock 340.
- 8.Super Stock 400 single.
- 9.Super Stock 440.
- 10.Super Stock OPEN.
- 11.SS Powder Puff 340.
- 12.SS 55 & older 340.
- 13.IFS Fan open.
- 14.MOD 340.
- 15.MOD 440.
- 16.MOD OPEN.
- 17.OUTLAW.
18. 120S.
19. 120M.
20. 9-12 yrs Single 340.
21. 13-17 Yrs Single 340.
22. 13-17 Yrs 340.

ORDER OF RACE.

1. Super Stock 340.
- 2.S120.
- 3.STOCK 400 Single.
- 4.STOCK Powder Puff 440.
- 5.9-12 yrs Single 340.
- 6.Super Stock 440.
- 7.SS Powder Puff 340.
- 8.M120.
- 9.STOCK 440 twin.
- 10.MOD 340.
- 11.13-17yrs Single 340.
- 12.IFS Fan open.
- 13.STOCK 50yrs and older 440.
- 14.Super Stock 400 single.
- 15.13-17yrs 340.
- 16.MOD 440.
- 17.STOCK 340.
- 18.Super Stock OPEN.
- 19.OUTLAW.
- 20.SS 55 & older 340.
- 21.MOD OPEN.
- 22.Super Stock 250.

Northwood Crankpullers Vintage Oval Snow Racing Schedule.

This year we will have normal 2 race series, but this year it will be a points race series in conjunction with Ossipee Valley Race Series. First 2 races in Northwood, if Mother Nature cooperates and second 2 races at Ossipee Valley (Harleyjacks). Point series will be points total per class, best 3 out of 4 races. More on this Series to follow expected start mid January

November 2017.