

NVSRS

Northern Vintage Snowmobile Race Series

2011 Grass Drag Rules

GENERAL AND SAFETY RULES FOR ALL CLASSES

Driver Requirements:

1. Drivers must be a minimum of 14 years old or older to race with the exception of 0-300 cc STOCK classes (must be 11 years old or older) and Mini 120 classes – Drivers under the age of 18 must have parental consent form signed for each race.
2. A Snell Approved or DOT helmet.
3. Eye Protection is required (Goggles or Shield)
4. Chest protection is mandatory – Safety jackets, Tek vests, etc.
5. Full length pants and appropriate footwear required.
6. Shin guards are strongly recommended.

Snowmobile Requirements:

1. All sleds must be 1985 or older unless otherwise stated. Exception: Mini 120's
2. All sleds must have a working tether. Tether is to be attached to the driver anytime the engine is running. This includes the pit area.
3. Snowmobile hood is required.
4. Snow flaps with restraints are required. Flap must touch the ground when driver is seated on sled.
5. Windshield edge must have some type of protective edging.
6. Clutch and recoil must be covered.
7. A manufactured fuel tank is mandatory.
8. Jack stands with 4" minimum sides, made with suitable material, must be used at all times. Absolutely NO exceptions!
9. Minimum 2" sticker/tape with driver name visible on sled (preferably on the windshield).

Race Rules and Information:

1. Race registration is from 7am-9am. Entry forms and waivers are available online at www.NVSRS.org. No refunds will be issued after registration has closed.
2. A minimum of three entries per class is required to race. If the minimum is not reached, entry fees will be refunded for that class.
3. Mini 120 classes: Four or less entries will be a final race only. More than four entries will be raced as heats and finals with the final being run after intermission.
4. A sled cannot be entered more than once in any one class. One driver per sled, per race.

5. The sled, engine, and driver that qualify in a heat race must be the same that is used in the semi final, quarter final and/or final race. Failure to comply will result in disqualification for that class.
6. Disqualification will result for racers false starting or knocking over cones in any final race and during heat races with more than four entries.

TECH AND/OR RACE OFFICIALS RESERVE THE RIGHT AND RESPONSIBILITY TO EJECT ANY PERSON(S) FOR ANY RULE OR SAFETY INFRACTION. ANY VIOLATION OF THE ABOVE RULES MAY RESULT IN DISCIPLINARY ACTION AND MAY INCLUDE DISQUALIFICATION.

Tech Inspections:

All sleds entered must go through pre-race safety inspection to ensure all safety rules are adhered to. Only snowmobiles passing inspection will be allowed to race.

Routine tech inspections as well as “chance tech” inspections will be done post-race to ensure compliance with sled requirements listed above and rules for individual classes. Chance tech inspections, which consists of the removal of the carburetor and exhaust system and intake manifold, are defined as classes/positions that are randomly drawn by scoring. Absolutely nobody will know what classes or positions have been drawn for inspection until the final race for that class is underway. Failure to pass these post- race inspections will result in disqualification for all classes for that day in which the sled is deemed illegal.

Formal Protests:

All protests must be in writing. Forms are available at the scoring/registration trailer and a \$40.00 cash deposit is required with the completed form. You must be specific with the rule infraction that is in question and must be entered in the class you are protesting.

Only the person protesting, along with the sled owner, and tech officials may be present at teardown. If any parts are deemed illegal during the teardown process, the result will be disqualification for all classes in which the sled is considered illegal.

If the official ruling is returned as legal, you will lose your \$40.00 deposit to the sled owner. If the official ruling is returned as illegal, you will be refunded your \$40.00 deposit and the driver with the illegal sled will be disqualified for all classes in which the sled is considered illegal for that day. Refusal for teardown will be classified as an admission of guilt and result in disqualification for all classes in which the sled is entered.

Featured Class:

The NVSRS Cup Trophy will be awarded to the driver that wins the featured class. The featured class for 2011 is the 0-503 Stock Fan class. **Only applies to the NVSRS sponsored grass drags, August 20, 2011.**

All stock classes and Mini 120 classes receive trophies for 1st, 2nd, and 3rd place. Modified classes will receive 80% cash payback for 1st, 2nd, and 3rd places based on number of entries.

1985 and Older FAN, FREE AIR, and LIQUID-COOLED STOCK CLASS RULES:

Carburetion: Any year butterfly or round slide carburetor and boot. NO flat slides, NO additional carbs, stock manifold for that year, make and model sled. No modifications to the manifold are allowed.

Engine: Must be 1985 & older. Must be an original snowmobile engine for that model sled. NO swapping of engine parts from other models or manufacturers. Any after market replacement parts must be OEM specifications. NO modifications or alterations allowed. Maximum bore of .060 over stock.

Clutch: Any year primary clutch. Must be 1985 & older stock secondary that came with that model sled. No modification or alterations allowed.

Drive Train: 1985 & older stock configuration for that year and model of sled. Any stock or OEM replacement chain case allowed. Gearing can be changed.

Brake System: Any year, type of brake components allowed. Brake components may be replaced, but must be commercially available. Mounting brackets can be made to install. Modifications allowed.

Track: Any stock or commercially available one piece molded rubber track allowed. Maximum lug or cleat height of 1" allowed. Cleated tracks allowed. **(Cleated tracks are NOT allowed at Eagle River Reunion Grass Drags.)** NO track modifications allowed. If track is longer than original, a tunnel extension is required. NO performance enhancing tracks allowed (ex: Kimpex Speed Tracks, Camoplast R Tracks). Any commercially available track clips allowed.

Exhaust: Must be 1985 & older stock OEM exhaust for that model sled. NO aftermarket pipes allowed. NO modifications or alterations allowed. NO mod kits.

Front Suspension: Must be 1985 & older leaf spring suspension. Any stock or OEM steel after market replacement skis are allowed. Ski spreaders maximum 4" per side. Ski stabilizers allowed. Steering column must be OEM for that model chassis. The handle bars and/or handle bar mounting brackets may be replaced. Any commercially available handle bars allowed. IFS SUSPENSIONS VERBIAGE NEEDS TO BE ADDED FOR 2012.

Rear Suspension: Any rear suspension '85 and older. Must match manufacturer. Additional wheels and slide lube systems are allowed. NO modifications or alterations allowed. *Exceptions: Single Cylinder Classes – Stock for that model sled. No modifications or alterations allowed. Bogie Wheel Classes – Stock for that model sled. Must be bogie wheel or para-rail. No modifications or alterations allowed.*

Chassis: Must be 1985 & older. Stock for that model of sled. NO modifications or alterations allowed. NO manufacturer race sleds allowed. Replacement tunnel allowed – Must be '85 and older and match original manufacturer. Must be made of same material (ex: aluminum to aluminum). 1985 & older stock hoods (modifications allowed) will be required beginning with the 2011 race season.

Traction: Any commercially available studs allowed. Maximum stud height is 3/4" above highest point of track lug (rubber tracks) or track cleat (cleated tracks). NO EXCEPTIONS!

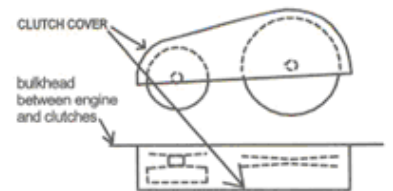
Fuel: Racing fuel or pump fuel only. NO alcohol. NO nitrous or power additives allowed.

1985 and Older FAN, FREE AIR, and LIQUID-COOLED OPEN MODIFIED CLASS RULES:

Carburetion: Any year and/or type of carburetion allowed.

Engine: Must be a 1985 or older snowmobile engine. Major engine components (crank, crank case, cylinders, and heads) must be 1985 & older. Must match engines available for manufacturer of sled. Any after market parts allowed. Modifications allowed. Maximum cc limits: Single Cylinder = open cc, 0-300 = 317 cc, 0-400 = 419 cc, 0-500 = 521 cc, 0-550 = 573, and 0-800 = 828 cc.

Clutch: Any primary and secondary allowed. The clutch cover must be separate of cowl configuration and cover clutches down to center of clutch bolt or below. Must be .060 inch, 6061T6 aluminum or equivalent steel material and be covered with 6 inch wide belting.



Drive Train: Any year and type allowed. Modifications allowed.

Brake System: Any year, type of brake components allowed. Brake components may be replaced, but must be commercially available. Mounting brackets can be made to install. Modifications allowed.

Track: Any year and type allowed. **(Cleated tracks are NOT allowed at Eagle River Reunion Grass Drags.)**

Exhaust: Any year and type allowed. After market exhausts allowed.

Front Suspension: Must be 1985 or older. Stock suspension. Independent front suspensions allowed. Any aluminum or steel skis allowed. Modifications allowed.

Rear Suspension: Open. After market suspensions allowed.

Chassis: Must be 1985 or older. Must match manufacturer of engine. Hood is required. NO widening. Factory race sleds allowed. Replacement tunnels allowed – Must be '85 and older and match original manufacturer. (exception: 1972 and Older Class). Must be made of same material (ex: aluminum to aluminum).

Traction: Any commercially available studs allowed. Maximum stud height is 3/4" above highest point of track lug (rubber tracks) or track cleat (cleated tracks). NO EXCEPTIONS!

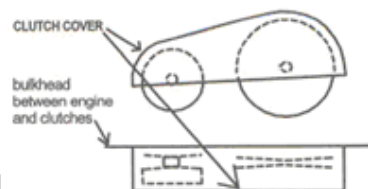
Fuel: Racing fuel or pump fuel only. NO alcohol. NO power additives including nitrous.

1985 and Older FAN, FREE AIR, and LIQUID-COOLED SUPER OPEN MODIFIED & HEAVYWEIGHT CLASS RULES:

Carburetion: Any year and/or type of carburetion allowed.

Engine: Must be a 1990 or older snowmobile engine. Major engine components (crank, crank case, cylinders, and heads) must be 1990 & older. Any after market parts allowed. Modifications allowed.

Clutch: Any primary and secondary allowed. The clutch cover must be separate of cowl configuration and cover clutches down to center of clutch bolt or below. Must be .060 inch, 6061T6 aluminum or equivalent steel material and be covered with 6 inch wide belting.



Drive Train: Any year and type allowed. Modifications allowed. Brake guards are required for any exposed brakes.

Brake System: Any year, type of brake components allowed. Brake components may be replaced, but must be commercially available. Mounting brackets can be made to install. Modifications allowed.

Track: Any year and type allowed. (Cleated tracks are NOT allowed at Eagle River Reunion Grass Drags.)

Exhaust: Any year and type allowed. After market exhausts allowed.

Front Suspension: Must be 1985 or older. Independent front suspensions allowed. Modifications allowed.

Rear Suspension: Any year and type allowed. After market suspensions allowed.

Chassis: Must be 1985 or older.

Traction: Any commercially available studs allowed. Maximum stud height is 3/4" above highest point of track lug (rubber tracks) or track cleat (cleated tracks). NO EXCEPTIONS!

Fuel: Racing fuel, pump fuel, nitrous allowed. NO alcohol.

MINI 120s STOCK (3-12 year old) CLASS RULES:

General: The snowmobile must have original OEM engine, hood, track, frame, cowl, gas tank, carburetion, air box, suspension, and clutch supplied by the manufacturer for the particular model. Named components must be OEM for the model and year, or properly filed OEM replacement parts that supercede the original OEM parts. Factory options are not allowed.

Engine: Unless otherwise stipulated in this section, all governor parts must be intact, in place and functional. Any governor spring may be used.

Replacing chain tensioner with commercially available aftermarket tensioner is allowed.

No component of the engine (including head, valves, cam, and valve springs) may be altered, changed, or enlarged from the engine manufacturer's original stock specification nor may any additional components be added to the engine.

Blueprinting of engines is not allowed. No removal of material what so ever will be allowed. This is to include polishing port matching, deburring, glass or sand blasting surfaces or material removal for the purpose of engine balancing or other reasons.

No changes in engine dimensions can be made by gasket adjustment.

Spark plugs do not have to be OEM stock.

No carburetor/air silencer changes allowed.

Jetting changes are allowed. Remote adjustable main jet system allowed.

Exhaust must be OEM as produced for the model. The OEM exhaust system must be used in its entirety. No internal or external modifications allowed. NO welding allowed, even for repair. Muffler components and/or silencing material must be intact at all times.

In order to equalize performance between the manufactures' models the following changes are allowed: Ski-Doo racers are allowed to change valve spring to Honda P/N 14751-2E1-000, Artic Cat 120 racers are allowed to upgrade to the 120 SnoPro kit consisting of valve springs and cam. The kit must be used in its entirety.

To enhance durability, plastic governor gears may be removed in classes which allow governor to be disabled.

Drive: Brake must be functional and operational at all times.

Clutch may be replaced with after market clutch of the same basic centrifugal design. No variable ratio systems allowed. Brake band may be changed to fit clutch.

Velocity stack allowed.

Chain guard must be in place.

Open gearing.

Sprocket ratio changes may be required by race association in order to equalize performance between the various models.

Ski Suspension and Steering: Front suspension must be OEM for the model and remain in its stock location.

Ski widening devices and/or height adjustments devices are not allowed in stock classes unless furnished as OEM and properly filed.

Suspension travel may be limited by means of limit straps only. Minimal suspension travel must be maintained. No rigid suspensions allowed.

Skis and Ski Runners: Ski must be OEM for the model and year or a commercially available after market ski with a minimum overall length of 20 inches. Wheels allowed.

Ski suspension components must be OEM.

Ski tips must have ski loops.

Track Suspension: The complete suspension must be used as furnished and filed by the manufacturer. No options allowed.

Shocks must be OEM for the model. OEM for the model suspension mounting points must be used.

Seals may be removed from bearings in bogie wheels, rear idler wheels and/or rear idler sprockets. Commercially available marginal snow wheels may be added to the slide rails. Rear axle idler wheels must remain OEM for that model.

Suspension travel may be limited by means of limit straps only. Minimal suspension travel must be maintained. NO rigid suspensions allowed.

Slide rail lubrication systems not allowed.

Track and Traction: Any commercially available molded rubber track may be used. Track must fit within frame and suspension without modification to frame, suspension, or drive. Track must be used as produced by the molder. Hyfax allowed.

Track studs must not extend more than 3/4" above the highest point of the track.

Frame and Body: OEM hood must be maintained without modification. All sharp edges must be padded.

Windshield may be removed, modified or replaced. Windshield must have safety trim. All sharp edges must be padded.

Ignition and Electrical: An ignition tether switch must be installed and functional.

Headlight and taillight must be OEM for the model and taillight must be functional.

Ignition and lighting systems must be OEM for the model. No modifications allowed.

MINI 120s MODIFIED (6-12 year old) CLASS RULES:

Carburetion: Open

Engine: 4-Stroke engines only. Modifications allowed. Maximum 206 cc engine. Must have working tether and kill switch.

Clutch: Open

Drive Train: Stock configuration for that model of sled. Open gearing. No belt drive systems allowed.

Track: Stock. No modifications or alterations allowed.

Exhaust: Open

Front Suspension: Stock. Skis – Open. No modifications or alterations allowed. Wheels allowed.

Rear Suspension: Stock. Wheel kits allowed.

Chassis: Stock for that model of sled. Ski-Doo, Polaris, and Arctic Cat only. No widening allowed. No manufacturer or aftermarket race sleds allowed.

Traction: Any commercially available studs allowed. Maximum stud height is 3/4" above highest point of track lug. NO EXCEPTIONS!

Fuel: Racing fuel or pump fuel only. NO alcohol or power additives allowed

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