



# DIRT SPRINT RULES

## Personal Safety

**Helmets** – Must be of the latest three (3) Snell approved, full head/face coverage competition type. Must be SA rated.

**Driving Suits** – Minimum two layer, name brand, SFI rated suit or single layer with nomex underwear. We recommend three layer suits for superior protection.

**Seat Belts** – Must be securely attached to the car and used at all times. Metal to metal latches only. Five (5) point harness, shoulder harness and submarine belt are required. Belt dates must not be over three (3) years old.

**Neck Braces** – Mandatory. Must be SFI rated, name brand brace.

**Gloves** – Mandatory and must be SFI, name brand type.

**Shoes** – Mandatory and must be SFI, name brand type. We recommend the high-top style or nomex socks under the low cut style.

**Arm Restraints** – Mandatory and must be adjusted to adequately keep drivers hands below the top of roll cage. Arm restraints are to be positioned on the forearm area for best protection.

## General Car Specifications

**Firewall** – There must be a metal firewall between driver and engine.

**Roll Cage** – Must be at least 1” .062 thickness, 1 1/8” .065 thickness, or 1 ¼” .065 thickness and made of chromoly steel or equivalent. Roll cage must be a minimum of 3” above driver’s helmet. All edges must be rounded, no square or pointed edges allowed. There must be a cross brace installed behind the seat to support the shoulder harness. All cars must have a solid axles, front and rear (no a-arms or independent suspension).

**Bumpers** – Cars must have bumpers extending beyond the front and rear tires. Nothing may extend beyond a tangent line from the outside edge of tires to the bumpers. No sharp corners or design as to hook or damage. Nothing may extend beyond the outside edge of the tires or wheels, whichever is widest.

**Nerf Bars** – All cars must be equipped with nerf bars that do not extend beyond the outside edge of tire or wheel, whichever is widest.

**Tread Width** – Maximum tread width is 64” outside to outside, minimum is 32” from center to center of tires.

**Wheelbase** – Maximum wheelbase is 70”, minimum is 50”, center of front axle to center of rear axle.

**Rear Wheel Drive** – Only. No front wheel drive cars allowed.

**Bodies** – All cars must have complete bodies and be “sprint car” in design. Bodies must be made of aluminum, fiberglass or high impact plastic.

**Fuel Tanks** – All fuel tanks must be equipped with a one way check valve designed to prevent spillage of fuel from the fuel tank vent in the event of a rollover.

**Numbers** – All cars must have legible numbers on nose, nose wing (if applicable), each side of tail tank, each side and top of wing (if applicable). If track scorers have an issue with reading numbers and/or scoring a car, they will promptly advise driver/owner and recommend a temporary solution for the evening.

**Ballast** – All ballast must be firmly attached. No liquid or loose ballast such as water, rocks, sandbags, etc. will be allowed.

**Belly Pans** – Mandatory and must extend from 6” in front of drivers feet to the front edge of seat. Belly pans must be mounted with dzus fasteners or bolted on.

**Chain Guards** – Mandatory and must cover the chain from the furthest front exposed point to the center of rear axle. They must be of sufficient strength and width so as to protect the driver.

**Top Wings** – Mandatory in all winged classes to enter a race. Wings may not extend beyond the outside edge of rear tires. All wings must have a rolled edge – no sharp edges. Wing must be installed so as not to obstruct driver’s vision regardless of wing position. Front wing (optional) may not extend past inside edge of tires.

**Fuel** – Methanol, Ethanol, Gasoline, and Racing Gasoline. Absolutely no performance enhancing additives allowed. Anyone caught running “hot” fuel will be indefinitely disqualified. Absolutely NO pressurized gases (nitrous, etc.) allowed.

**Radio Communication** – (NEW 2106) All drivers will be required to use RACEceiver Compatible communication device. Those drivers who do not have such a device will be moved to the tail of the field after each yellow caution or on track incident.

**Rearview Mirrors** – (NEW 2106) No Mirrors Permitted.

**Chain Driven** – All engines must remain chain driven off of the original countershaft.

**Tires/Wheels** – Any tire and wheel combination may be used, but tires may not exceed twenty-two and a half inches (22 ½”) in height. Upright center engine cars (26.5”) in height.

Transponders- Must be mounted on or near front axle.

### **600 Restricted Class**

**Age** – Minimum age is ten (10) years old.

**Weight** – Minimum car and driver weight is 750 pounds. Injected cars minimum is 775 pounds.

**Engine** – Any 4 multi cylinder, motorcycle engine 600cc or less (no 636cc engines). No forced induction (no turbo, super charging, nitrous, etc.).

**Carburetors** – Carburetors (No Flat Sides)

**Restrictor plates** - They must be a flat not less than 0.030 thick and not more than 0.090 thick. They must fit tight in the manifold boots and have a maximum of one 0.750 Max. round hole, no tolerance will be allowed. No cones

**Tire** – Right rear tire must be a minimum 45 durometer compound. Tire durometer check should be done at least fifteen (15) minutes after the races to allow for cool down.

**Starter** – All engines must have a cockpit operated electric starter, lever manual clutch and on board motorcycle battery capable of starting an engine.

### **Modified 600cc Class**

**Age** – Minimum driver age is fourteen (14) years old.

**Weight** – Minimum car and driver weight is 750 pounds.

**Starter** – All engines must have a cockpit operated electric starter, lever manual clutch and on board motorcycle battery capable of starting an engine.

**Engine** – Any 4 multi cylinder, motorcycle engine 637cc or less. No forced induction (no turbo, super charging, nitrous, etc.).

**Tire** – Right rear tire must be a minimum 45 durometer compound. The manufacturer's stamping on the sidewall of the tire must be readable. No soaking. Tire durometer check should be done at least fifteen (15) minutes after the races to allow for cool down.

### **Non Wing 600cc Modified / 600cc Sportsman**

**Age** – Drivers must be at least twelve (12) years of age.

**Weight** – 600's Minimum 750 pounds –car and driver.

**Starter** – All engines must have a cockpit operated electric starter, lever manual clutch and on board motorcycle battery capable of starting an engine.

**Engine** – Any 4 multi cylinder, motorcycle engine 637cc or less. No forced induction (no turbo, super charging, nitrous, etc.). OR – 600's – Any 4 multi cylinder, motorcycle engine 600cc or less. Carburetors only, No fuel injection, No forced induction (no turbo, super charging, nitrous, etc.)

**Tire** – Right rear tire must be a minimum 45 durometer compound. The manufacturer's stamping on the sidewall of the tire must be readable. No soaking. Tire durometer check should be done at least fifteen (15) minutes after the races to allow for cool down.

**Wings** – No wings of any type are permitted (front or top).

### 250 Ninja Sprint Class

**Age** – Minimum driver age is ten (10) years old

**Weight** – Minimum car and driver weight is 680 pounds.

**Starter** - All engines must have a cockpit operated electric starter, lever manual clutch and on board motorcycle battery capable of starting an engine.

**Engine** – 2007 and older Stock Appearing 250cc Kawasaki Ninja. Max 250cc. No forced induction (no turbo, super charging, nitrous, etc.).

**Electronics** – Coils & box must remain stock.

**Carburetors** – Stock except jets

**Fuel** – Gas only, no additives.

**Width** – 48” center to center of tires.

### Kid Sprint Class

**Age** – Minimum driver age is five (5) years old

**Weight** – No minimum weight.

**Starter** - All engines must have pull starter.

**Clutch** – Must have and must be a max torque or similar drum style. 10 tooth, #40 or #41 chain.

**Rear Gear** – 32 tooth, #40 or #41 chain.

**Engine** – 5.5hp Honda or Harbor Freight (clone) engine 6hp. Max rpm's 3600 free revving. All of the governor components must remain as designed on the engine.

**Chassis** – Wheel base may be between 42” and 56” and the roll cage may not exceed 50” tall.

**Carburetors** – Stock.

**Fuel** – Gas only, no additives.

**Tire** – Any legal go-kart tire slick or grooved. All tires must be between 31” and 36” diameter.

The intent of this class is to get the young racer on track experience and not on winning. We will not keep season points and all kids participating in the feature race will receive the same reward. Parents please work with your child on the track procedures (line-up, starts and restarts) and racing etiquette.

**\*Just because it doesn't say you can't do it doesn't mean you can – officials have the final say on all cars.**

**\*It is the drivers responsibility to make sure the car is legal, weight, engine etc.**

### **600 Sportsman Class SUSPENDED CLASS**

**Age** – Drivers must be at least twelve (12) years of age.

**Weight** – 600's Minimum 800 pounds –car and driver.

**Engine** – 600's – Any 4 multi cylinder, motorcycle engine 600cc or less. Carburetors only, No fuel injection, No forced induction (no turbo, super charging, nitrous, etc.)

**Tire** – 600's Right rear tire must be a minimum 45 durometer compound. The manufacturer's stamping on the sidewall of the tire must be readable. No soaking. Tire durometer check should be done at least fifteen (15) minutes after the races to allow for cool down.

**Wings** – No wings of any type are permitted (front or top).

**No onboard adjustments of any type are permitted.**