# TABLE OF CONTENTS

100 – Class Regulations (pg. 2)
   100.10 – Class structure (pg. 2)
   100.20 – Age rule (pg. 2)

200 – Ignite K2 Regulations (pg. 4)
   200.10 – Ignite K2 chassis (pg. 3)
   200.20 – Spindles & Yolks (pg. 3)
   200.30 – Axle & components (pg. 3)
   200.40 – Brakes (pg. 3)
   200.50 – Wheels (pg. 3)
   200.60 – Seat (pg. 4)

300 – Ignite K3 Regulations (pg. 4)
   300.10 – Ignite K3 chassis (pg. 4)
   300.20 – Spindles & Yolks (pg. 4)
   300.30 – Axle & components (pg. 4)
   300.40 – Brakes (pg. 4)
   300.50 – Wheels (pg. 4)
   300.60 – Seat (pg. 4)

400 – Bodywork Regulations (pg. 5)
   400.10 – Front spoiler (pg. 5)
   400.20 – Front panel (pg. 5)
   400.30 – Side pods & nerf bars (pg. 5)
   400.40 – Rear bumper (pg. 5)
   400.50 – Floor pan (pg. 5)

500 – Engine Regulation (pgs. 6-7)
   500.10 – Briggs LO206 (pg. 6)
   500.20 – Engine claiming (pg. 6)
   500.30 – Fuel (pg. 6)
   500.40 – Oil (pg. 7)
   500.50 – Clutch (pg. 7)
   500.60 – Sprockets (pg. 7)
   500.70 – Chain (pg. 7)
   500.80 – Exhaust system (pg. 7)

600 – Tire Regulations (pg. 8)
   600.10 – Tire structure (pg. 8)
   600.20 – Treating & additives (pg. 8)

700 – Safety Gear Regulations (pg. 9)
   600.10 – Helmets (pg. 9)
   600.20 – Neck collars (pg. 9)
   600.30 – Suit, gloves and shoes (pg. 9)
   600.40 – Chest protectors (pg. 9)

800 – Supplemental Regulations (pg. 10)
   800.10 – Radios (pg. 10)
   800.20 – Data acquisition (pg. 10)
   800.30 – Transponders (pg. 10)
   800.40 – Spirit & intent (pg. 10)

**GENERAL RULE:** Unless the rules state that you can, you can’t.
100 - CLASS REGULATIONS

100.10 - CLASS STRUCTURE

IGNITE ROOKIE

Age: 8-12 years old
Chassis: Ignite K2
Engine: Briggs LO206
Slide: Red (#302333)
Tire: Bridgestone 4.5/4.5 YDS
Bodywork: CIK plastics
Weight: 250lb*

IGNITE JUNIOR

Age: 12-15 years old
Chassis: Ignite K3
Engine: Briggs LO206
Slide: Yellow (#302341)
Tire: Bridgestone 4.5/6.0 YDS
Bodywork: CIK plastics
Weight: 320lb*

IGNITE SENIOR

Age: 15+ years old
Chassis: Ignite K3
Engine: Briggs LO206
Slide: Black (#302328)
Tire: Bridgestone 4.5/7.1 YDS
Bodywork: CIK plastics
Weight: 360lb*

IGNITE MASTERS

Age: 35+ years old
Chassis: Ignite K3
Engine: Briggs LO206
Slide: Black (#302328)
Tire: Bridgestone 4.5/7.1 YDS
Bodywork: CIK plastics
Weight: 370lb*

*NOTE: Weights are subject to change at the discretion of the race director throughout the season.

100.20 – AGE RULE

Ages are determined by the age a driver will attain for that given season. If a driver ages out of a class before the start of the season, they are required to move up to the older class option. If a driver will attain an age into an older class during the course of a season, they may choose to stay in their current class, or move up to the older class. Once a driver has raced in a class, they may not move back to a younger class.
200 – IGNITE K2 REGULATIONS

200.10 – IGNITE K2 CHASSIS

No external modifications may be made to the chassis: permanent seat struts, added or subtracting standard bars and equipment, frame cutting, etc. The frame must remain as it was issued from the factory. Magnesium or carbon components are not allowed.

200.20 – SPINDLES & YOLKS

The Ignite K2 will utilize a 17mm spindle manufactured by Margay Racing (part #465538 and #466538). External front hubs are not allowed. Caster/camber pills and ride height are adjustable. Spindle yolks are a tech item, and cannot exceed +/- 8mm camber with center pills installed when measured static, on the stand.

200.30 – AXLES & COMPONENTS

The Ignite K2 utilizes a 30mm diameter rear axle that is 1000mm in length. Different axles can be used to achieve desired handling characteristics. Axles must remain 1000mm in length. No magnesium components are allowed. Ceramic bearings are not allowed.

200.40 – BRAKES

Braking system must remain as provided by the factory. The Ignite K2 is equipped with a MCP Cast master cylinder (part #7130), a MCP MiniLite rear caliper (part #71357) and braided brake line set (part #71995). Brake rotors must remain fixed – no floating systems are allowed.

200.50 – WHEELS

The Ignite K2 utilizes a DWT AlumiLite direct spindle mount 5” x 135mm front wheel (part #75329) and a DWT AlumiLite 5” x 5.125” euro mount rear wheel (part #75405). Wheels must remain as provided by the factory. Ceramic bearings are not allowed.

200.60 – SEAT

Seat manufactures can vary. Only carbon or fiberglass allowed. No laydown style seats are allowed. Supplemental seat struts can be added. The top of the seat to the ground cannot measure below 10”.

2017 IGNITE SERIES RULE BOOK
300 – IGNITE K3 REGULATIONS

300.10 – IGNITE K3 CHASSIS

No external modifications may be made to the chassis: permanent seat struts, added or subtracting standard bars and equipment, frame cutting, etc. The frame must remain as it was issued from the factory. Magnesium or carbon components are not allowed.

300.20 – SPINDLES & YOLKS

The Ignite K3 will utilize a 17mm spindle manufactured by Margay Racing (part #465538 and #466538). External front hubs are not allowed. Caster/camber pills and ride height are adjustable. Spindle yolks are a tech item, and cannot exceed +/- 8mm camber with center pills installed when measured static, on the stand.

300.30 – AXLES & COMPONENTS

The Ignite K3 utilizes a 40mm diameter rear axle that is 1040mm in length. Different axles can be used to achieve desired handling characteristics. Axles must remain 1040mm in length. No magnesium components are allowed. Ceramic bearings are not allowed.

300.40 – BRAKES

Braking system must remain as provided by the factory. The Ignite K3 is equipped with a MCP Cast master cylinder (part #7130) and MCP Cast rear caliper (part #7135). Brake rotors must remain fixed – no floating systems are allowed.

300.50 – WHEELS

The Ignite K3 utilizes a DWT AlumiLite DSM 5” x 135mm front wheel (part #75329). Ignite Junior will utilize a DWT AlumiLite 5” x 6.5” euro mount wheel (part #75425) and the Ignite Senior and Masters will utilize a DWT AlumiLite 5” x 7.75” euro mount wheel. Ceramic bearings are not allowed.

300.60 – SEAT

Seat manufactures can vary. Only carbon or fiberglass allowed. No laydown style seats are allowed. Supplemental seat struts can be added. The top of the seat to the ground cannot measure below 12”.
NOTE: Bodywork that comes apart from its original mounting location during the course of a race is subject to penalty or disqualification at the discretion of the race director.

400.10 – FRONT SPOILER

Front bumpers must be CIK homologated KG. Full body nose cones are not allowed. Front bumper must be secured at all times using two quick release latches. No lead may be bolted on the plastic.

400.20 – FRONT PANEL

The front panels must be CIK homologated KG and may not extend above the top of the steering wheel. Numbers must be clearly visible to the race director. No lead may be bolted on the plastic.

400.30 – SIDE PODS & NERF BARS

Both side pods and nerf bars must be CIK homologated KG. Numbers must be located near the rear of the pod along the vertical surface. Side pods may not extend inside the vertical plane of the rear tires by more than 1”. No lead may be bolted on the plastic. Nerf bars must remain secured in at least one mounting location per side.

400.40 – REAR BUMPER

Rear bumpers must be CIK homologated KG and plastic in composition. The rear bumper must mount off of or inside the left and right frame rails. No lead may be bolted on the plastic. Rear bumper must be secured using locking nuts.

400.50 – FLOOR PANS

Floor pans must be manufactured from aluminum and may not extend beyond the center cross member or outside the main frame rails. Full length floor pans are not allowed. No carbon floor pans allowed.
500 – ENGINE REGULATIONS

500.10 – BRIGGS LO206 REGULATIONS

The Ignite series will run the Briggs LO206 senior engine package (part #302000) for all classes. The Ignite series will utilize the standard Briggs LO206 engine rules. The 2017 LO206 rules package can be viewed here - http://www briggsandstratton.com/engines-racing/racing-engines/karting/local-option-206/

The Ignite series will utilize the following slides:

  Ignite Rookie (ages 8-12): Red (part #302333)
  Ignite Junior (ages 12-15): Yellow (part #302341)
  Ignite Senior (ages 15+): Black (part #302328)
  Ignite Masters (ages 35+): Black (part #302328)

**NOTE: Any alteration of the slides will result in immediate disqualification.**

500.20 – ENGINE CLAIMING

At the race director’s discretion, the track may ‘claim’ a competitor’s engine at any time. The track will supply the competitor with a new, factory sealed engine in direct exchange for the competitors ‘as raced’ engine. If the competitor fails to comply with the claim request, the competitor will be excluded from participating for one year and will forfeit all points acquired to date.

500.30 – FUEL

Fuel will be specified by the track and can range from 87-94 octane. Fuel will be checked with the Digatron meter post-race. Other testing methods may be utilized without notice. No additives are allowed.
500.40 – OIL

Recommended crankcase oil is Amsoil 4T, however any oil may be used as long as it does not contain oxygenators. No additives or oxygenators allowed. Oil may be sniff tested for the presence of oxygenators.

500.50 – CLUTCH

The Ignite series will utilize the Hilliard Flame clutch (part #304200). The use of alternate Hilliard springs and weights is approved. All components must remain in factory stock condition and cannot be modified. Use of fiction lined clutch shoes is not allowed.

The Ignite series will utilize the following front sprockets:

- Ignite Rookie (ages 8-12): 17t (part #305317)
- Ignite Junior (ages 12-15): 17t (part #305317)
- Ignite Senior (ages 15+): 17t (part #305317)
- Ignite Masters (ages 35+): 17t (part #305317)

**NOTE:** Any alteration or modification can result in disqualification. Spec drive sprocket can be changed at the discretion of the race director.

500.60 – SPROCKETS

Sprockets must be 2-piece aluminum sprockets (part #235072) and must be #35 pitch. No skip tooth sprockets are allowed. Any rear tooth sprocket is legal.

500.70 – CHAIN

Only #35 pitch chains are allowed. #219 pitch chains are not allowed.

500.80 – EXHAUST SYSTEM

The Ignite series will utilize the RLV5507 exhaust header and RLV4101 silencer ONLY.
IGNITE SERIES RULE BOOK

600 – TIRE REGULATIONS

600.10 – TIRE STRUCTURE

Bridgestone YDS compound tires are mandated for all classes. Mandated sizes are:

**Rookie:** Front 4.5/10.0-5 YDS, Rear 4.5/10.0-5 YDS

**Junior:** Front 4.5/10.0-5 YDS, Rear 6.0/11.0-5 YDS

**Senior:** Front 4.5/10.0-5 YDS, Rear 7.1/11.0-5 YDS

**Masters:** Front 4.5/10.0-5 YDS, Rear 7.1/11.0-5 YDS

600.20 – TREATING & ADDITIVES

**ANY ALTERING OF THE MANDATED BRIDGESTONE YDS TIRE THROUGH PREPPING, DOPING, CHEMICAL TREATING OR CUTTING IS EXPRESSLY FORBIDDEN. ANY COMPETITOR FOUND TO BE ALTERING THE TIRE OR ATTEMPTING TO ALTER THE TIRE FROM THE AS SUPPLIED CONDITION WILL BE IMMEDIATELY DISQUALIFIED, EJECTED FROM THE FACILITY, BANNED FROM THE FACILITY FOR THE PERIOD OF ONE YEAR AND WILL FORFEIT ALL SERIES POINTS. NO REFUNDS WILL BE GIVEN FOR PREPAID ENTRIES. POSSESSION OF TIRE PREP, DOPING COMPOUNDS OR OTHER TIRE TREATMENTS IS CAUSE FOR EXPULSION AND BANNING FROM THE PREMISES. WE WANT TO BE VERY CLEAR THAT TIRE ALTERING OF ANY KIND IS EXPRESSLY FORBIDDEN AND WILL NOT BE TOLERATED UNDER ANY CIRCUMSTANCES.**

Tire warming blankets, hotboxes or other warming devices are prohibited.

On-Track Tire Warming in prohibited. On-track tire warming may result in driver penalties.
700 – SAFETY GEAR REGULATIONS

700.10 – HELMET

Full faced, Snell or SFI approved helmets only. Snell M rated helmets are acceptable.

700.20 – NECK COLLAR

Neck collars are required for all classes. EVS R4 (#3390x) or EVS R2 (#3393x) are recommended.

700.30 – SUIT, GLOVES AND SHOES

Full coverage, abrasion resistant karting suit is strongly recommended. Abrasion resistant karting jackets are acceptable when worn with full-length jeans. Jeans must not have large visible holes. Closed fingered gloves are required. High top, racing style shoes are strongly recommended. No open toed shoes or sandals are allowed.

700.40 – CHEST PROTECTOR

SFI approved chest protections are required for all Ignite Rookie (ages 8-12) participants. Armadillo chest protector (part #09992x) is recommended.

NOTE: Safety gear compliance for gloves, shoes, jeans and jackets are at the discretion of the race director and are subject to disqualification.
800 – SUPPLEMENTAL REGULATIONS

800.10 – RADIOS
The use of radios to communicate with drivers while on track is prohibited. Use of radios may result in disqualification.

800.20 – DATA AQUISITION
The use of on board data acquisition systems such as the MyChron 4 are allowed. GPS and mapping units are allowed. Telemetry systems are prohibited.

800.30 – TRANSPONDERS
Transponders must be located on the right or left hand side pod, with the leading edge no closer than 10” from the centerline of the kingpin bolt.

800.40 – SPIRIT & INTENT
Lack of clarification in the rule book does not ensure legality. The race director, tech officials and/or series officials reserve the right to prevent a competitor from entering the track and alter or disqualify competitors who are not in compliance or have altered equipment in an attempt to circumvent the rules or spirit of the rules. Racers are required to make every effort to be in compliance with the spirit and intent of the spec Ignite program and its regulations.

NOTE: Supplemental rules may be added throughout the course of the season.