



# 2024 IGNITE 206 RULEBOOK



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**GENERAL RULE:** Unless the rules state that you can, you can't.



# MODIFIED 2024 IGNITE RULE BOOK

## 100 – CLASS REGULATIONS

### 100.10 - CLASS STRUCTURE

#### IGNITE ROOKIE

**Age:** 8-12 years old

**Chassis:** Ignite K2

**Engine:** Briggs LO206

**Slide:** Red (#302333)

**Tire:** MG Red sh2

**Bodywork:** CIK KG plastics

**Weight:** 250lb\*

#### IGNITE JUNIOR

**Age:** 12-15 years old

**Chassis:** Ignite K3

**Engine:** Briggs LO206

**Slide:** Yellow (#302341)

**Tire:** MG Red sh2

**Bodywork:** CIK KG plastics

**Weight:** 320lb\*

#### IGNITE SENIOR

**Age:** 15+ years old

**Chassis:** Ignite K3

**Engine:** Briggs LO206

**Slide:** Black (#302328)

**Tire:** MG Red sh2

**Bodywork:** CIK KG plastics

**Weight:** 360lb\*

#### IGNITE MASTERS

**Age:** 35+ years old

**Chassis:** Ignite K3

**Engine:** Briggs LO206

**Slide:** Black (#302328)

**Tire:** MG Red sh2

**Bodywork:** CIK KG plastics

**Weight:** 370lb\*

#### IGNITE HEAVY

**Age:** 15+ years old

**Chassis:** Ignite K3

**Engine:** Briggs LO206

**Slide:** Black (#302328)

**Tire:** MG Red sh2

**Bodywork:** CIK KG plastics

**Weight:** 400lb\*

**Min Driver Weight:**

200lbs with safety gear

#### IGNITE LEGENDS

**Age:** 50+ years old

**Chassis:** Ignite K3

**Engine:** Briggs LO206

**Slide:** Black (#302328)

**Tire:** MG Red sh2

**Bodywork:** CIK KG plastics

**Weight:** 380lb\*

### 100.20 – AGE RULE

Age guidelines 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 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 (applies to Rookie, Junior, and Senior classes only). Upon request, the Ignite Competition Committee may choose to issue an age exception for a driver whose birthday falls after the completion of that racing season. If a driver is old enough to move up but has not shown adequate race craft or maturity to advance into the next age-appropriate class, they will be asked to remain in their current class for another season or until they show necessary improvement to warrant moving up to the next age-appropriate class. **This applies to all Ignite events.**



## 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, titanium, or carbon components or fasteners are not allowed. Sniper system not allowed.

### 200.20 – SPINDLES & YOKES

Caster/camber pills and ride height are adjustable. Spindle yokes are a tech item and cannot exceed +/- 10mm camber with center pills installed when measured static, on the stand. Ceramic bearings are not allowed. Dowell pins or locking screws can be used to lock pills in place.

### 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 or titanium components are allowed. Ceramic bearings are not allowed. 55" max width.

### 200.50 – WHEELS

The Ignite K2 utilizes a TruSpeed direct spindle mount 5" x 130mm magnesium front wheel (part #771311) and a TruSpeed 5" x 130mm magnesium rear wheel (part #771310). Wheels must remain as provided by the factory. Ceramic bearings are not allowed. Bead locks may not be removed. **Previous DWT AlumiLite wheels are no longer legal.**

### 200.60 – SEATS

Seat manufacturers are open. Only carbon or fiberglass seats are 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".

### 200.70 – STEERING SHAFTS

Steering shafts must remain as provided by the factory. 17" (part #094116), 19" (part #094115), and 21" (part #094117) 3/4" M tubular steering shafts are allowed.

## 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, titanium, or carbon components or fasteners are not allowed. Sniper system not allowed.

### 300.20 – SPINDLES & YOKES

Caster/camber pills and ride height are adjustable. Spindle yokes are a tech item, and cannot exceed +/- 10mm camber with center pills installed when measured static, on the stand. Ceramic bearings are not allowed. Dowell pins or locking screws can be used to lock pills in place.

### 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 or titanium components are allowed. Axle inserts are not allowed. Ceramic bearings are not allowed. 55" max width.

### 300.50 – WHEELS

The Ignite K3 utilizes a TruSpeed DSM 5" x 130mm magnesium front wheel (part #771311). Ignite Junior will utilize a 5" x 180mm magnesium rear wheel (part #771710) and the Ignite Senior, Masters, and Heavy will utilize a 5" x 212mm magnesium rear wheel (part #771910). Ceramic bearings are not allowed. Bead locks may not be removed. **Previous DWT AlumiLite wheels are no longer legal.**

### 300.60 – SEATS

Seat manufacturers are open. Only carbon or fiberglass seats are 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".

### 300.70 – STEERING SHAFTS

Steering shafts must remain as provided by the factory. 17" (part #094116), 19" (part #094115), and 21" (part #094117) 3/4" Margay tubular steering shafts are allowed.

## 400 – BODYWORK REGULATIONS

**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 spoiler may be anything that is 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. Drop down front bumper system may be used at the discretion of the host track or series.

### 400.20 – FRONT PANEL

The front panels must be CIK homologated KG and may not extend above the horizontal plane created by the top of the steering wheel. Numbers must be at least 5 ½" tall and 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 and at least 4 ½" tall. Side pods may not extend inside or outside the vertical plane of the rear tires by more than 1" except when rain tires are utilized. No lead may be bolted on the plastic. Nerf bars must remain secured in at least one mounting location per side.

### 400.40 – REAR SPOILER

Rear spoilers must be CIK homologated KG and plastic in composition. The rear spoiler must mount off of or inside the left and right frame rails. No lead may be bolted on the plastic. Rear spoiler must be secured using locking nuts. Numbers must be at least 4 ½" tall. **Rear spoiler must cover 2/3 of the total width of the rear tires and may not extend more than 1" beyond the outside of the wheel.**

### 400.50 – FLOOR PANS

**Floor pans must be OEM as supplied from the factory; no replacement pieces allowed.** 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 utilize the following slides:

Ignite Rookie (ages 8-12): Red (Briggs part #555733)

Ignite Junior (ages 12-15): Yellow (Briggs part #555741)

Ignite Senior (ages 15+): Black (Briggs part #555590)

Ignite Masters (ages 35+): Black (Briggs part #555590)

Ignite Heavy (ages 15+): Black (Briggs part #555590)

Ignite Legends (ages 50+): Black (Briggs part #555590)

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

## 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. **Fuel tanks and fuel line must remain uncovered and without insulation or wrap.**

## 500.40 – OIL

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

## 500.50 – CLUTCH

All Ignite classes 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 or ceramic coated. **Use of friction lined clutch shoes is not allowed. Both inboard and outboard clutch mounting is allowed.**

## 500.80 – EXHAUST SYSTEM

Ignite classes will utilize the RLV5507 exhaust header with wrap/sleeve and RLV4104 silencer ONLY.

## 600 – TIRE REGULATIONS

### 600.10 – TIRE STRUCTURE

We'll be utilizing MG Red sh2 Compound tire

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

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

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

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

### 600.20 – TREATING & ADDITIVES

ANY ALTERING OF THE MANDATED HOOSIER R80 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 ALL IGNITE LOCAL, REGIONAL, & MAJOR EVENTS 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. TIRE WARMING BLANKETS, HOTBOXES, OR OTHER WARMING DEVICES ARE PROHIBITED. TIRES MAY ONLY BE CLEANED WITH WATER. TIRES MAY BE SUBJECT TO LAB TESTING BY THE RACE DIRECTOR OR TECH OFFICIALS AT THEIR DISCRETION. A COMPLIANCE FORM WILL BE ISSUED TO THE RACER TO SIGN. THEN, A SAMPLE WILL BE TAKEN AND PLACE IN A SEALED CONTAINER AND/OR BAG TO BE SENT TO THE LAB FOR TESTING. COMPLYING RACERS WILL RECEIVE A REPLACEMENT TIRE AND WILL BE BILLED ACCORDINGLY. IF THE LAB TEST COMES BACK NEGATIVE, A FULL REFUND FOR THE REPLACEMENT TIRE WILL BE ISSUED TO THE RACER. FAILURE TO COMPLY IS CONSIDERED VIOLATION OF OUR TREATING & ADDITIVES POLICY. VIOLATION OF THIS POLICY IS NOT EXCLUSIVE TO INTENT. WE WANT TO BE VERY CLEAR THAT TIRE ALTERING OF ANY KIND IS EXPRESSLY FORBIDDEN AND WILL NOT BE TOLERATED UNDER ANY CIRCUMSTANCES.



## 700 – SAFETY GEAR REGULATIONS

### 700.10 – HELMET

The following Snell or SFI full-face helmets are acceptable: CMR 2016, CMS 2016, M 2015, SA 2015 or 2020; SFI Youth 24.1 2015 or 2020; SFI 31.1 2015 or 2020; SFI 2015 or 2020.

### 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 required.

Closed fingered gloves are required. High top, racing style shoes are strongly recommended. No open-toed shoes, slip-on 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 5 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.

### 800.50 – LEAD WEIGHTS

It is the driver's responsibility to ensure that all lead weights are secured properly. All fasteners must be at least 5/16". All bolts must be double nipped with at least one nylon locking nut. All lead weights must be coated/painted white with the kart number written/printed in black. 7 lb. lead weights or heavier must have two bolts. Lead shot is not permitted. Non-compliance with weight mounting specifications is grounds for disqualification.

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