



2025 IGNITE 206 RULEBOOK



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LAST UPDATED: 5/2/25

GENERAL RULE: Unless the rules state that you can, you can't. In an attempt to maintain a fair spec program, this rulebook is subject to change over the course of the season as necessary. It is the racer's responsibility to be aware of rule changes.

100 – CLASS REGULATIONS

100.10 - CLASS STRUCTURE

IGNITE ROOKIE

Age: 8-12 years old

Chassis: Ignite K2

Engine: Briggs LO206

Slide: Red (#302333)

Tires: Hoosier 4.5/4.5 R80

Bodywork: CIK KG plastics

Weight: 250 lbs.

IGNITE JUNIOR

Age: 12-15 years old

Chassis: Ignite K3

Engine: Briggs LO206

Slide: Yellow (#302341)

Tires: Hoosier 4.5/6.0 R80

Bodywork: CIK KG plastics

Weight: 320 lbs.

IGNITE SENIOR

Age: 15+ years old

Chassis: Ignite K3

Engine: Briggs LO206

Slide: Black (#302328)

Tires: Hoosier 4.5/7.1 R80

Bodywork: CIK KG plastics

Weight: 360 lbs.

IGNITE MASTERS

Age: 35+ years old

Chassis: Ignite K3

Engine: Briggs LO206

Slide: Black (#302328)

Tire: Hoosier 4.5/7.1 R80

Bodywork: CIK KG plastics

Weight: 370 lbs.

IGNITE HEAVY

Age: 15+ years old

Chassis: Ignite K3

Engine: Briggs LO206

Slide: Black (#302328)

Tire: Hoosier 4.5/7.1 R80

Bodywork: CIK KG plastics

Weight: 400 lbs. *(Min Driver*

Weight: 200 lbs. with safety gear)

IGNITE LEGENDS

Age: 50+ years old

Chassis: Ignite K3

Engine: Briggs LO206

Slide: Black (#302328)

Tire: Hoosier 4.5/7.1 R80

Bodywork: CIK KG plastics

Weight: 380 lbs.

100.20 – AGE RULE

Class eligibility is determined by the age a driver will attain during that given competition season (defined as the period between the first and last race of the season). If a driver ages out of a class before the start of the season, they must start the season in the next older class. If a driver attains an

age eligible for 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 modifications may be made to the chassis. Examples include but are not limited to: addition of weld-on seat struts, alteration of steering geometry, adding or subtracting components, frame cutting, replacing original components, etc. The frame must remain as it was issued from the factory. Magnesium, titanium, or carbon components or fasteners are not allowed. Sniper SA1 Adjustment system is not allowed. Once a chassis is entered in an event, it is eligible to be scrutinized for legality at anytime during the event. Illegal modifications found will result in immediate disqualification from the event. If a chassis is deemed to be illegal, the “webbing” in the center of the Ignite flame on the serial number gusset will be removed, signifying that the frame is no longer legal for Ignite competition. **Violators will receive a 1-year suspension from all Ignite events.**



200.20 – SPINDLES & YOKES

The only allowable spindles are the 17mm spindle manufactured by Margay Racing (part #465538 and #466538). External front hubs are not allowed. Caster/camber pills and ride height are adjustable. Dowell pins or locking screws can be used to lock pills in place.

200.30 – AXLES & COMPONENTS

Axle must be 30mm diameter and 1000mm (+/- 2mm) in length. No magnesium or titanium axle components (i.e. hubs) are allowed. Ceramic bearings are not allowed. 55" maximum width.

200.40 - BRAKES

Braking system must remain as provided by the factory. The Ignite K2 is equipped with an MCP Billet master cylinder (part #7130), a MCP MiniLite rear caliper (part #71357) and braided brake line set (part #71995). Brake rotors must remain fixed Margay #7125 – no floating systems are allowed.

200.50 – WHEELS

The required wheels are 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 less than 10".

200.70 – STEERING WHEELS/SHAFTS

Steering wheels are open but must have a closed perimeter tube. Butterfly/oval track style wheels are prohibited. 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.

300 – IGNITE K3 REGULATIONS

300.10 – IGNITE K3 CHASSIS

No modifications may be made to the chassis. Examples include but are not limited to: addition of weld-on seat struts, alteration of steering geometry, adding or subtracting components, frame cutting, replacing original components, etc. The frame must remain as it was issued from the factory. Magnesium, titanium, or carbon components or fasteners are not allowed. Sniper SA1 Adjustment system is not allowed. Once a chassis is entered in a sanctioned Ignite event, it is eligible to be scrutinized for legality at anytime during the event. Illegal modifications found will result in immediate disqualification from the event. If a chassis is deemed to be illegal, the “webbing” in the center of the Ignite flame on the serial number gusset will be removed, signifying that the frame is no longer legal for Ignite competition. **Violators will receive a 1-year suspension from all Ignite events.**



300.20 – SPINDLES & YOKES

The only allowable spindles are the 17mm spindle manufactured by Margay Racing (part #465538 and #466538). External front hubs are not allowed. Caster/camber pills and ride height are adjustable.

Dowell pins or locking screws can be used to lock pills in place.

300.30 – AXLES & COMPONENTS

Axle must be 40mm diameter and 1040mm (+/- 2mm) in length. No magnesium or titanium axle components (i.e. hubs) are allowed. Ceramic bearings are not allowed. 55" maximum width.

300.40 - BRAKES

Braking system must remain as provided by the factory. The Ignite K3 is equipped with a MCP Billet master cylinder (part #7130) and MCP Billet rear caliper (part #7135). Brake rotors must remain fixed, Margay 'Wave' rotor #7171 – no floating systems are allowed. #71360, #71361 or #71362 pads only.

300.50 – WHEELS

The required wheels are a TruSpeed direct spindle mount 5" x 130mm magnesium front wheel (part #771311) and a TruSpeed 5" x 212mm magnesium rear wheel (part #771910). 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.**

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 less than 12".

300.70 – STEERING WHEELS/SHAFTS

Steering wheels are open but must have a closed perimeter tube. Butterfly/oval track style wheels are prohibited. 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: If a front spoiler, side pod, or rear spoiler becomes completely detached from a kart during a race, that driver shall be black flagged and scored in the final running position at the time of the



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black flag. Any bodywork that becomes partially dismantled during a race may result in a penalty or disqualification at the discretion of the race director.

400.10 – FRONT SPOILER

Only allowable brand is KG, style is open. Front bumper and spoiler must be always secured using two quick release latches. No lead may be bolted on the plastic. Drop down front bumper system may be required at the discretion of the host track or series.

400.20 – FRONT PANEL

Only allowable brand is KG, style is open. Front panel 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

Only allowable brand is KG, style is open. Nerf bars must be identified as KG with original factory marking. 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

Only allowable brand is KG, style is open. The rear spoiler must be mounted utilizing the intended rear spoiler mount tubes and factory mounting kit #0962021. 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; part #095143 for Ignite K2 and part #095139 for Ignite K3. 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 Briggs LO206 senior engine package (part #302000) is the only allowed engine for all classes and the standard Briggs LO206 engine rules will be enforced. The 2025 LO206 rules package can be viewed here: <https://ignitekarting.com/wp-content/uploads/2025/04/Briggs-206-US-Rule-Set-2025.pdf>

Following are carburetor slide requirements by class:

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.

500.20 – ENGINE CLAIMING

At the race director's discretion, the series/promoter may 'claim' a competitor's engine at any time. The series/promoter 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. No additives are allowed. Fuel will be checked with the Digatron meter post-race. Other testing methods may be utilized without notice. **Fuel tanks and fuel line must remain uncovered and without insulation or wrap.**



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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

The Hilliard Flame clutch (part #304200) is the only approved clutch for all Ignite classes. 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.**

Ignite classes will utilize the following front sprockets:

Ignite Rookie (ages 8-12): 17t (part #305317)

Ignite Junior (ages 12-15): 17t (part #305317)

Ignite Senior, Masters, Heavy, & Legends (ages 15+): 17t (part #305317)

NOTE: Any alteration or modification can result in disqualification. Spec drive sprocket can be changed at the discretion of Margay Racing or hosting track/series. Sanding/cleaning of clutch drum and shoe surfaces for cleaning purposes is allowed.

500.60 – SPROCKETS

Sprockets must be 2-piece aluminum sprockets and must be #35 pitch. No skip tooth sprockets are allowed. Any rear tooth sprocket is legal. Rear sprocket may be specified at the discretion of the series or event promoter.

500.70 – CHAIN

Only #35 pitch chain 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 REQUIREMENTS

Hoosier R80 compound tires are mandated for all classes. Mandated sizes are:

Rookie: Front 4.5/10.0-5 R80, Rear 4.5/10.0-5 R80

Junior: Front 4.5/10.0-5 R80, Rear 6.0/11.0-5 R80

Senior: Front 4.5/10.0-5 R80, Rear 7.1/11.0-5 R80

Masters: Front 4.5/10.0-5 R80, Rear 7.1/11.0-5 R80

Heavy: Front 4.5/10.0-5 R80, Rear 7.1/11.0-5 R80

Legends: Front 4.5/10.0-5 R80, Rear 7.1/11.0-5 R80

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.



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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.

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, 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 during an event in ANY session is prohibited. **Violators will receive a 1-year ban from all Ignite events.**

800.20 – DATA AQUISITION

The use of onboard data acquisition systems such as the MyChron 5 is 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 penalize 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 nutted 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.

800.60 – SOCIAL MEDIA CONDUCT

When differences of opinion arise regarding Ignite Karting rules and regulations, decisions by race officials, or between the competitors (and/or their charges), communication and discussion of these differences are best handled privately and directly between the parties involved. Attacking parties or posts that are detrimental on social media sites like Facebook, Instagram, X, etc. are unacceptable and may result in disciplinary action if race officials or Ignite Competition Committee determine that the communication is not in the best interest of the Ignite Karting and its tracks/events. Resulting



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penalties may be disqualification, ejection from the event, and/or indefinite suspension from all Ignite events.