



2022 Karting Rules

DISCLAIMER:

The rules and/or **regulations** set forth herein are designed to provide for the orderly conduct of racing events and to establish minimum acceptable requirements for such events. These rules shall govern the condition of all events, and, by participating in these events, all participants are deemed to have complied with these rules. *No expressed or implied warranty of safety shall result from the publication of or compliance with these rules and/or regulations.* They are intended as a guide for the conduct of the sport and in no way a guarantee against injury or death to a participant, spectator, or official.

The race director shall be empowered to permit reasonable and appropriate deviation from any of the specifications herein or impose any further restrictions that in his opinion do not alter the minimum acceptable requirements. *No expressed or implied warranty of safety shall result from such alterations of specifications.* Any interpretation or deviation of these rules is left to the discretion of the officials. Their decision is final.

On occasion when situations arise that are not covered by written rules, special rulings may be put into effect by the Series of Track Officials. Once such rulings are acted upon, they *may* be added to the existing rules and/or procedures.

Contact Info:

RUSH Racing Series Directors: Vicki Emig & Mike Leone
4368 US 422, Pulaski, PA 16143
724-964-9300 (phone)
E-mail: info@rushracingseries.com

Engine Sales: Precise Racing Products (724-360-8000) or Kart Works (814-730-8052)

Engine Technical Questions: Brandon Ingram 724-545-2663

Website: www.rushkarting.com
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The following guidelines shall be considered the "Official Rules and Specifications" for all events sanctioned by the RUSH Dirt Late Model Series.

Weekly Series Karting Championship

"Weekly Series Championship": Must be a member to be eligible for points and point fund monies. Drivers can compete at any RUSH-sanctioned event and accumulate points. Driver's best 12 point scores will be utilized.

Point Fund Clause: In the event of unforeseen circumstances, the RUSH Racing Series reserves the right to adjust any and all point funds.

Point System: The following system will be utilized for all of the above programs: 1. 100 2. 98 3. 96 4. 94 5. 92 6. 90 7. 89 8. 88 9. 87 10. 86 11. 85 12. 84 13. 83 14. 82 15. 81 16. 80 17. 79 18. 78 19. 77 20. 76 21. 75 22. 74 23. 73 24. 72 25 & any other starter 71. Drivers attempting to race, but not starting the feature will receive 70 show-up points. Note: At each event drivers will receive a kart count bonus of 6 points provided there are 6 or more karts signed in. If there are less than 6 karts, the kart count bonus will be based on number of competing karts signed in.

Postponed feature events will revert back to the weekend they were initially scheduled for with the exception of an event that has been pushed to the following year.

Membership: Membership is mandatory and is \$75 to become a Weekly Series Member. Drivers have through May 15 to join and maintain accumulated points. Membership Forms must be mailed with payment to RUSH Racing Series, 4368 US 422, Pulaski, PA 16143. Membership gives a flat kart participant member racer \$25,000 excess participant accident insurance, and a cage kart participant member \$100,000 amount of excess participant accident insurance. [Policy period is 1/1/22-1/1/23;](#) however, coverage does not begin until membership is completed and paid. RUSH insurance benefits will cover the member driver after the tracks participant accident limit and driver's individual health insurance benefits are exhausted, but only at RUSH-sanctioned events.

RUSH reserves the right to decline a membership or revoke a membership at any time.

Manufacturers Night: Must be a member to be eligible for Manufacturers Night awards. Will be held at Stateline on a date TBA.

Awards Banquet/Point Funds/Tie-Breakers: RUSH Karting Series Champions will be recognized at the annual RUSH Racing Series Awards Banquet, which will be held on a date TBA in January of the following year. All other Championship payoffs will be mailed at a later date.

In the event of a tie for any of the above championships, tiebreaker will be determined by the driver with the most high point scores followed by most second high point scores, etc. until the tie is broken (in essence most 106's, most 105's, most 104's, etc). If a tie happens in any other position, the tie will remain with point fund monies added up between the tied positions and split equally.

- **Amateur/Rookie (Flat or Cage):**

Ages: 5-7 years or 8 year olds with no experience (very 1st year in racing)

Weight: No Minimum Weight

Restrictor: ARC .375, Red

Point Fund: 1. \$300 2. \$150 3. \$140 4. \$130 5. \$125 6. \$120 7. \$115 8. \$110 9. \$105 10. \$100

- **Jr 1 (Flat or Cage):**

Ages: 8-11 years

Weight: Flat is minimum of 265 lbs; Cage is minimum of 310 lbs.

Restrictor: ARC .425, Green

Point Fund: 1. \$400 2. \$200 3. \$175 4. \$150 5. \$140 6. \$130 7. \$120 8. \$115 9. \$110 10. \$100

- **Jr 2 (Flat or Cage):**

Ages: 12-15

Weight: Flat is minimum of 320 lbs; Cage is minimum of 350 lbs.

Restrictor: ARC .500, Purple

Point Fund: 1. \$500 2. \$300 3. \$200 4. \$175 5. \$150 6. \$145 7. \$140 8. \$135 9. \$130 10. \$125

- **Adult (Flat):**

Ages: 16+

Weight: minimum of 370 lbs.

Restrictor: No Restrictor

Point Fund: 1. \$1,000 2. \$500 3. \$350 4. \$300 5. \$275 6. \$250 7. \$225 8. \$210 9. \$205 10. \$200

Driver's age as of January 1 of each year shall determine their "competition age" for that calendar year. RUSH reserves the right to request proof of age at any time. Misrepresentation of competitor's age will result in disqualification for the night's event (loss of points and money), loss of all Series points to date in the division the infraction occurred in, suspension from all RUSH-sanctioned events for 180 days, fined \$500, and an indefinite probation; penalties apply to both driver and kart owner.

RUSH Karting Championship Points Funds

	Amateur/Rookie (Cage/Flat)	Jr 1 (Cage/Flat)	Jr 2 (Cage/Flat)	Adult (Flat)
1	\$300	\$400	\$500	\$1000
2	\$150	\$200	\$300	\$500
3	\$140	\$175	\$200	\$350
4	\$130	\$150	\$175	\$300
5	\$125	\$140	\$150	\$275
6	\$120	\$130	\$145	\$250
7	\$115	\$120	\$140	\$225
8	\$110	\$115	\$135	\$210
9	\$105	\$110	\$130	\$205
10	\$100	\$100	\$125	\$200

PAYOFF:

While the RUSH Series makes every effort to sanction and/or schedule events at reputable facilities, and has never had any problems with purse payouts to competitors, please be aware that RUSH cannot be responsible in the event that a promoter fails to make purse payments when applicable, or pays with checks which are later found to be not negotiable.

RUSH Series Officials reserve the right to hold payoff(s) of driver(s) selected for technical inspection(s), when applicable. Payoffs will only be released to 1099 recipient(s) of selected driver(s) upon final technical inspection results and/or appeal process providing said inspection complies with RUSH Technical Rules. In the event selected driver(s) technical inspection results do not comply with RUSH Technical Rules and appeals process has been exhausted, said payoff, if applicable, will be adjusted and distributed to other competing racers.

RUSH Series Officials also reserves the right to withhold a driver's payoffs in the event said driver has a debt to the Series.

RUSH will mail the person or corporation designated on the membership form any purse or point fund payoffs. In the event of a kart owner change, a new membership form must be completed. In the event of a kart owner change, point fund payoffs would be prorated based on performance in all point funds (based on the program's specs, i.e. best 12 finishes). A Form 1099 MISC by January 31 of the following year will be sent to the person or corporation that earned a minimum of \$600.00 during the year for any monies paid by Great Crate Racing Northeast, LLC D/B/A RUSH Racing Series, as required by the IRS.

SERIES' SPONSOR PRODUCT CONTINGENCIES AND DECALS:

The RUSH Karting Series decal is required on both sides of the kart.

Please be aware that the Series' has no responsibility to pay a posted award, but only to provide the participant with the certificate previously agreed upon and contracted with the Manufacturer.

Contingency prizes will be awarded to the kart owner of record. It is the responsibility of the participant to redeem contingency prize certificates and/or product by expiration date on certificate. Series will not be responsible for delivery and/or transportation of contingency prizes that were not available for pick-up on event date.

RUSH Racing Series Officials may refuse to allow a participant to compete in an event if it is determined at their discretion that any advertising and/or sponsorship or similar agreement is detrimental to the sport, the RUSH Racing Series, or the event promoter for any reason, including the image of the sport.

CONDUCT:

At RUSH Weekly Sanctioned events, the racing procedures and track conduct will be administered and enforced by track management and officials.

1. All drivers, crew chiefs, car owners, crew members and/or team representatives agree to act in a professional manner as determined by RUSH Officials. The professional manner includes, but is not limited to verbal representation, written representation, any representation that may represent the RUSH Racing Series, sport of Late Model racing and/or motorsports in general and/or any

affiliates. Verbal and/or physical abuse towards a RUSH Series Official may result in an immediate disqualification and/or fine and/or suspension and/or legal action and/or other action deemed appropriate by RUSH Series Officials.

2. Any driver or car owner that disparages RUSH in any publication, including all forms of social media and public forums may be subject to a fine and/or suspension and/or legal action and/or any other action deemed appropriate by RUSH Series Officials.
3. Any driver, during an event; a competitor, crew chief, car owner, crew member and/or team representative may be requested to report for consultation and/or technical inspection with RUSH Officials. The request may be communicated over the one-way radio and/or verbally. Failure to comply with the request will be subject to disqualification, possible fine and/or suspension and/or any other action deemed appropriate by RUSH Officials.

Participants grant and assign to RUSH Racing Series, its affiliates and RUSH Racing Series Sponsors the non-exclusive rights and authority to use my image and likeness, including my name, nickname, initials, picture, photograph, animation, persona, autograph/signature (including facsimiles thereof), voice, biographical information, and/or any and all other identifying characteristics, including the image of my vehicle, whether portrayed in still or action pictures, drawings, or other artistic renderings, in connection with my participation in RUSH Racing Series Events and for any and all uses or purposes that publicize and promote RUSH Racing Series or any of its affiliates in any way in any and all media or formats.

ENVIRONMENTAL WARNING:

1. Any driver or crewmember found to be altering, by means of contaminating the racing surface or pit area or racing entrances and/or staging or technical inspection areas or ANY part of the event grounds or properties and nearby driveways will be disqualified. The local authorities and/or agencies may be notified and the violator(s) and their information may be turned over to these authorities at that time.

TECHNICAL RULES & REGULATIONS

It is ultimately the obligation of each participant to ensure that their conduct and equipment complies with all of the applicable rules, as they may be amended from time to time; any amendments supersede any previous rules regarding any technical and/or aspect. An amendment is effective upon the date of the publication of the amendment regardless of when a competitor receives the actual notice.

Any new components, including engine components, suspension components, body designs, frame designs and/or components of any type utilized in competition must be approved by RUSH Officials prior to being introduced into competition.

ENGINES:

1. RUSH Kart sealed part # BASEKART-RUSH (212 cc) is the only engine permitted in all RUSH Karting events.
2. All engines utilized in this division MUST be purchased from Precise Racing Products in Sarver, PA (724-360-8000) or at an authorized dealer. Additional authorized dealer locations to be released. (See page 19 for RUSH Kart base engine & engine finish kit pricing.)

The mandatory RUSH base engine package includes the following:

- RUSH Kart sealed part # BASEKART-RUSH (212 cc) prepped and installed with three RUSH wire cable seals; engine BCN number and seal numbers recorded for engine tracking.
3. The RUSH Kart sealed part # BASEKART-RUSH (212 cc) MUST have RUSH wire cable seals installed prior to competing in any event.
 4. All engines are to remain RUSH Kart sealed. These engines are sealed at the cylinder head, crank case cover, and blower housing. RUSH seals must remain unaltered. Tampering, removal, or modifications of any RUSH seals will not be permitted and will result in an immediate disqualification from the event (loss of points and money). The engine may be impounded immediately for further inspection.
 5. The RUSH Kart sealed part # BASEKART-RUSH (212 cc) cannot be rebuilt.
 6. The opportunity for an engine to be repaired will be at the sole discretion of the RUSH Racing Series. Based on the estimate and the detail of the repair, RUSH Racing Series will determine if the repair may be made or if a new engine must be purchased. *Authorized repair facilities to be established prior to 4/1/20.*
 - A. Minor repairs including oil leaks and ignition permitted.
 - B. Engines repair process and "authorized" engine repair facility locations TBA.
 - C. Upon completion of the repair, the engine must be resealed using RUSH Kart seals before being released for competition.
 7. The RUSH Kart sealed engine must remain intact and not be tampered with; **any RUSH seals** that have been tampered with, removed, or modified, and/or broken will make the engine illegal and will result in an immediate disqualification from the event (loss of points and money). The engine may be impounded immediately for further inspection. Modifying any internal engine parts or changing the parts

from stock as delivered sealed from the factory, other than those approved by RUSH, will result in disqualification for the night's event (loss of points and money), loss of all Series points to date in the division the infraction occurred in, suspension from all RUSH-sanctioned Series competition for 180 days, *fined \$500*, and an indefinite probation; penalties apply to both driver and kart owner.

8. The permitted RUSH Kart sealed engine must not be altered, modified, or changed from the specifications set forth from the RUSH Karting Series. Any alteration, modification or change must be approved by RUSH. RUSH Authorized Rebuilders will be notified of any such alteration, modification or change.
9. All RUSH Kart sealed engine information will be retained by the RUSH Racing Series Office at 4368 US 422, Pulaski, PA 16143.
10. RUSH Competition Director can install "approved" temporary seals at Series' discretion. Temporary seals will "only" be permitted on engines for events that are designated by RUSH Series Directors. Temporary seals can only be utilized on an engine scheduled to compete in consecutive RUSH-sanctioned events or if RUSH seals cannot be obtained in time for competition in a single event. Engine owner and or competitor "must" contact RUSH Series Directors to receive permission and instructions on obtaining "approved" temporary seals in order for engine to compete. RUSH Competition Director or appointed person(s) may install "approved" temporary seals in this situation.
11. Engine serial number and RUSH build certification number (BCN) must be clearly visible to Series' or track technical inspectors.
12. RUSH Racing Series Officials reserve the right to inspect, exchange and/or confiscate any RUSH Kart sealed engine, or other specified engine component. Refusal to surrender an engine or other engine part for inspection, exchange or confiscation, will result in disqualification for the night's event (loss of points and money), loss of all Series points to date in the division the infraction occurred in, suspension from all RUSH-sanctioned Series competition for 180 days, fined \$500, and an indefinite probation; penalties apply to both driver and kart owner.
13. ANY VIOLATION OF THE ENGINE RULES INSIDE THE RUSH KART SEALING SYSTEM OF THE ENGINE WILL result in disqualification for the night's event (loss of points and money), loss of all Series points to date in the division the infraction occurred in, suspension from all RUSH-sanctioned Series competition for 180 days, fined \$500, and an indefinite probation; penalties apply to both driver and kart owner.

For subsequent violations in regard to any illegal modification to a RUSH Kart sealed engine, an indefinite suspension may be issued.

14. Any violation of the engine rules outside the RUSH Kart seal tags will result in the driver and kart being disqualified from that event (loss of points and money). Multiple infractions outside the sealing system will result in the penalties stated in the "Multiple Infractions" section of the rules.

ENGINE PROTESTS/SELECTION:

1. Any RUSH-sanctioned race track and/or RUSH Series Director(s) are authorized to call for an engine inspection or tear down *at any time*. Tear down and inspection will be performed by RUSH Tech/Competition Director. If this happens, Track/Series will remove engine at race track and impound until inspection day can be arranged for all parties involved. (See paragraph number four for procedures if selected kart is to race in successive events.)
2. The protest fee for a complete teardown of an engine that finishes the A main in the top five is \$500, and must be made by a driver/owner that finishes in the top five. Protest and fee in cash must be made to a RUSH Tech Inspector, Race Director, or Track Tech Inspector within 15 minutes of the checkered flag of the feature, at which time protest fee becomes property of RUSH Racing Series until completion of engine teardown. Protest cannot be withdrawn once it has been declared. \$75 of protest fee will go to Series and the remaining \$425 will go to the winner of the protest. Protested competitor cannot counter-protest in the same event.
3. At any time, an engine is protested and driver/kart owner accepts protests and agrees to tear down, the engine being protested must be removed immediately and impounded by Series/Track. Protested engine will be sealed by RUSH Official or person(s) appointed by RUSH to ensure that it has not been tampered with, and to verify engine's identity. Any refusal to permit engine confiscation will result in disqualification for the night's event (loss of points and money), loss of all Series points to date in the division the infraction occurred in, suspension from all RUSH-sanctioned Series competition for 180 days, fined \$500, and an indefinite probation; penalties apply to both driver and kart owner.
4. *If the protested kart wishes to race in successive RUSH-sanctioned events within 72 hours (three days) the following will apply ONLY at the discretion of RUSH:* RUSH Series Officials reserve the right and also grants the right to RUSH-sanctioned speedway tech officials to seal or otherwise identify the protested engine to allow the kart to compete in successive events within 72 hours (three days). Further postponement of tear-down will be at the discretion of RUSH Directors/Officials. The driver and/or owner has the option whether to surrender the engine on the night it's protested or have it identified and retained for the successive races. However, if the driver chooses to compete with the engine after its selection for tear down, and that engine is found to be out of compliance with RUSH Technical/Engine rules, the driver will be disqualified from all races entered after the engine was protested, in addition to the race when engine was protested. RUSH *may* assess penalties for each race in which the selected engine was used after its selection, if it is found to be illegal. If the engine is found to comply with all applicable rules, then driver/owner will be awarded all money and points earned for each event.
5. At this time, the feature finish will be frozen until inspection is complete. In the event of a disqualification, finishing position, points and monies would be adjusted accordingly.

6. Failure and/or refusal to tear down an engine and/or for your kart to be inspected by Series at any time will result in disqualification for the night's event (loss of points and money), loss of all Series points to date in the division the infraction occurred in, suspension from all RUSH-sanctioned Series competition for 180 days, fined \$500, and an indefinite probation; penalties apply to both driver and kart owner.
7. Inspection location will most likely be at RUSH office/garage located at 4368 Route 422, Pulaski, PA 16143. Although other inspection locations could be selected. There will be no dispute over RUSH Official's choice of location.
8. Driver and/or kart owner and one other representative of the team will be allowed in the tech area during the engine teardown. Only one representative from the team protesting the engine will be allowed in the tech area during the engine teardown. Additional attendees must be approved by RUSH pursuant to a written request. Protestor and protested driver and/or kart owner along with the confiscated sealed engine and/or parts must be present at predetermined location. All parties must remain present during the entire teching procedure.
9. Note: All removed RUSH Kart seals must be returned immediately to the RUSH Office.
10. Engine infractions "within the RUSH Kart seals" will result in disqualification for the night's event (loss of points and money), loss of all Series points to date in the division the infraction occurred in, suspension from all RUSH-sanctioned Series competition for 180 days, fined \$500, and an indefinite probation; penalties apply to both driver and kart owner.
11. In the event that the series confiscates engine for inspection, and said engine is found to be legal, and comply with the all the rules, the "Series" will provide a new RUSH Kart sealed part # BASEKART-RUSH engine to engine owner.

RESTRICTOR PLATES:

1. If needed for your class, required part numbers are as follows:
 - Cage Amateur/Rookie: ARCDJ-375 (Red)
 - Cage Jr 1: ARCDJ-425 (Green)
 - Cage Jr 2: ARCDJ-500 (Purple)
 - Adult: No restrictor plate
2. Restrictor plates must remain unaltered including anodizing.

CARBURETOR/THROTTLE:

1. SP carburetor must remain stock, no alterations, as produced on part # BASEKART-RUSH and must pass gauge test. Venturi size .615, rear carb bore .751
2. Main and low jet size non techable
3. Air induction inserts or other devices to direct air to intake are not permitted.
4. Throttle system must have a return spring as to close the throttle when the pedal is not depressed.

VALVE SPRING/VALVE COVER:

1. No modifications permitted to internal baffle assembly of the valve cover
2. Valve cover external vent hole may be enlarged to .250 diameter for proper crank case ventilation
3. Valve cover is permitted an additional hole to add fuel pump pulse fitting.
4. Any valve spring permitted providing they meet the following specifications:
 - Valve spring minimum installed height .850. Shimming is permitted, but install height must remain at minimum. .850
 - Valve spring maximum pressure @ 10.8 lbs. @ .850 install height, or 19 lbs. @ .650 install height.

AIR FILTER:

1. One cone or cylinder-shaped air filter element.
2. All air shall be filtered through the filter element.
3. Carburetor inserts to direct air into the carburetor are not permitted.
4. Air boxes, hoses, or any device that directs air into the air cleaner are not permitted.
5. Foam or fabric air filter pre-cleaners are allowed.
6. Only air filter oil is allowed to be present on filter and pre-cleaner elements; no power additive product permitted to be utilized.

BLOWER HOUSING/ENGINE BLOCK:

1. Blower housing must remain stock as delivered from the factory, including color and finish.
2. Pull starter must be present and remain stock. Pull starter may be rotated for a better crank angle.
3. Oil catch can (aluminum/steel) overflow systems are highly recommended and must be properly secured to engine or chassis.
4. No flammable, dangerous or power additives of any kind permitted in the crankcase.

EXHAUST REQUIREMENTS:

1. AKRA header pipe, Part # DJ-1138B is required
2. Header outlet must extend past fuel tank, but not past rear bumper. All pipes must be in a secure, fixed position.
3. AKRA muffler, Part # RLV-4117 (Mini 91) is required. Muffler must remain stock, unaltered; and must be secured, welded, drilled/bolted, and safety wired to the header pipe.
4. Exhaust must be wrapped in heat shielding material or insulator in order to protect driver.
5. No ceramic or other types of coatings allowed to be applied to exhaust system.

CLUTCHES:

1. Hilliard Flame Clutch required. Must remain stock and only rebuildable with factory parts designated for that part number.
2. Hilliard HDC-XXB, #35 chain front driver is required; 12-19 tooth count driver permitted.
3. Clutch/chain guard mandated, to protect the driver from clutch/chain failure.

TACHOMETERS

1. Analog, Mychron 3,4 and 5 and Digatron dt64 permitted. Mychron 5-2T will NOT be permitted. Contact RUSH for approval. of any other tachometers.

FUEL:

1. RUSH 91 pump fuel is the only permitted fuel. **It is the racers' responsibility to know what he or she is putting in the fuel cell.**
2. Series reserves the right to check fuel anytime. Three samples will be taken by RUSH or Track Official. Each sample will be identified as sample #1, sample #2, and sample #3. Sample #1 will be retained by Series and sent to lab; sample #2 will be given to selected fuel's driver/owner; and sample #3 will be retained by Series to be utilized as a tie-breaker in the event any issues may occur with samples #1 & #2. In the event driver/owner chooses to send sample #2 to be analyzed, RUSH must approve selected lab. Fuel samples not conforming to RUSH Karting Series Fuel rule will be deemed illegal.
3. Series Officials may amend the fuel rule for any event, and will inform competitors.
4. **PENALTIES FOR FUEL VIOLATIONS:** Disqualification from event (loss of points and money) in addition to the following penalties:
 - First Offense: \$200 fine & 30-day suspension from any RUSH-sanctioned event plus all related lab testing costs.
 - Second Offense: \$300 fine & 60-day suspension from any RUSH-sanctioned event plus all related lab testing costs.
 - Third Offense: \$500 fine & 180-day suspension from any RUSH-sanctioned event plus all related lab testing costs.

Failure to allow fuel to be tested for any reason by a RUSH Official will result in a \$250 fine and a 45-day suspension from all RUSH-sanctioned events in addition to any other fines and penalties. All decisions are final.

ALL DECISIONS ARE FINAL!

FUEL TANK REQUIREMENTS:

1. Stock or approved aftermarket fuel tanks permitted; only one fuel tank permitted with a maximum 7-quart capacity.
2. If utilizing the stock fuel tank it must be mounted in original location on the engine.
3. Drilling of the fuel cap is permitted only if installing a rollover vent.

4. Aftermarket fuel tank must be constructed of plastic, aluminum or steel and securely bolted to the floor pan beneath the steering shaft or to the steering upright.
5. Fuel pumps are allowed, but must be pulse design that operate off of engine vacuum.
6. Fuel lines must be an adequate length to connect fuel tank and carburetor; excessive fuel line will not be permitted. Fuel lines must have clamps or clips on every connection location.
7. No pressurizing of the fuel tank permitted.

BRAKES:

1. Steel or aluminum rotors only; carbon fiber or carbon composite brake discs or components are not permitted.
2. Karts must have a minimum of rear brakes. All brake bolts and supports will have no less than nyloc nuts, it is suggested that they be pinned and that a rotor guard plate be installed.
3. Rotor guard mandated if brake rotor is located behind driver's seat.

STEERING & SUSPENSION:

1. Removable steering wheels incorporating a quick release mechanism conforming are mandatory on cage karts and highly recommended on flat karts. Pip pin type mechanisms are not allowed.
2. All steering wheel, steering column, and tie rod bolts must be pinned or wired
3. Front spindles must be keyed and pined.
4. No independent suspension.
5. No rack and pinion steering allowed or any type of steering dampeners permitted.
6. Welded aluminum or titanium suspension parts prohibited.
7. No electronic weight, shock, sway bar or any other suspension item adjuster permitted.
8. Rear axles must have snap rings on both ends plus safety wire.

EXOTIC MATERIALS:

All exotic materials are illegal including titanium, magnesium, tungsten and/or carbon fiber.

TIRES:

Hoosier 11325 D30A 10.5x5.0-6

Hoosier 11600 D30A 11.0x6.0-6

Hoosier 11800 D30A 11.0x8.0-6

Light buffing is permitted, but MUST be done in a manner as to NOT create a sipe (cut/split) in the surface of the rubber. Note: Small cuts that are not consistent with a buffing pattern MAY be acceptable. Rule of thumb: If you can see it, it's too deep; if you can feel it, it's way too deep. (See the tech official for a ruling before competition).

Altering tires by any means of needling or chemical treating is strictly prohibited!

No pre-heating the tire with an open flame source.

RUSH Series Officials may amend the tire rule for any event if track conditions and/or unforeseen circumstances warrant, and will inform competitors.

1. **WARNING:** RUSH and Hoosier Racing Tires strictly forbids any chemical alteration of the tire carcass and/or tread compound such as tire soaking or use of tread "softener". RUSH and Hoosier Tire strictly forbids the physical defacement (removal, altering, or covering) of tire sidewall markings in any manner. Failure to comply with this warning could result in premature or catastrophic tire failure and may result in serious injury or death.
2. Series may take physical samples of tire(s) to ensure that no competitor has employed any chemicals to alter the performance of his or her tires at any time. Three samples will be taken per selected tire; samples will be taken by RUSH or Track Official. Each sample from selected tire will be identified as sample #1, sample #2, and sample #3. Sample #1 will be retained by Series and sent to lab; sample #2 will be given to selected tire's driver/owner; and sample #3 will be retained by Series to be utilized as a tie-breaker in the

event any issues may occur with samples #1 & #2. In the event driver/owner chooses to send sample #2 to be analyzed, RUSH must approve selected lab. Tire samples not conforming to manufacturer's submitted factory benchmark will be deemed illegal.

3. It is the driver's responsibility to know what is on their kart at all times. Any used wheels or tires that may be suspect by the driver should not be used.
4. Any tire thought to be physically defaced or altered will be confiscated. While tire is in question, all money and points for that driver will be held until a ruling is made final. Any tire deemed to have been physically defaced or altered will be result in disqualification from the event (loss of money and points) along with the following:

PENALTIES FOR ILLEGAL TIRES:

- First Offense: \$200 fine & 30-day suspension from all RUSH-sanctioned events plus all related lab testing costs.
- Second Offense: \$300 fine & 60-day suspension from all RUSH-sanctioned events plus all related lab testing costs.
- Third Offense: \$500 fine & 180-day suspension from all RUSH-sanctioned events plus all related lab testing costs.

Failure to allow any tire(s) to be confiscated for any reason by a RUSH Official will result in a \$250 per tire fine and 45-day suspension from all RUSH-sanctioned events in addition to any other fines and penalties. All decisions are final.

5. Once it's confirmed that tested sample meets the "factory benchmark" set forth by Hoosier Tire, competitor will receive one voucher for a new RUSH Kart Series Hoosier Tire that equals the value of said tested tire. It will be the responsibility of the competitor to meet the redemption criteria.

RIMS:

1. Aluminum only of one-piece construction. No plastic, steel or carbon fiber wheels permitted. No beadlock type wheels permitted.

FLAT KART:

CHASSIS DIMENSIONS:

1. Tubing shall be circular cold roll steel tubing or other material of equal strength. Main frame members shall have a minimum diameter of 1" with a minimum wall thickness of 0.078", and a maximum diameter of 1.375" with a minimum wall thickness of 0.060". All joints must be welded, with no slip joints or similar.
2. **Wheelbase:** 39.75" minimum, 44" maximum. Measured from the centerline of the front hub to the centerline of the rear axle.
3. **Overall width:** 50" maximum.
4. **Overall length:** 74" maximum.
5. **Overall height:** 26" maximum.

BUMPERS AND NERFS:

1. Front bumper is required and the top of it must measure a minimum of 7.750" above the ground. Minimal tubing diameter is .750" with .065" wall thickness. Bumper is to be no wider than the inside of the front wheels.
2. Rear bumpers are required. The outer portion of the bumper must remain within the tire track area. The lowest cross bar must measure a maximum of 7.50" above the ground. Minimal tubing diameter is .750" with .065" wall thickness.
3. Nerf bar minimal tubing diameter is 0.75". Minimal overall height is 5" measured at two points.

BODY:

1. All bodywork components must be constructed of high strength plastic or fiberglass; no tin or steel bodywork. No component of the bodywork may be adjustable in any way while kart is in motion.
2. Maximum height of body; 12" Rookie and Jr. 1 divisions and 14" for Jr-2 and Adult.
3. No fairing on body for Rookie and Jr-1 divisions.

4. All bodies, nose, and panels must be securely mounted.
5. Wings, spoilers or other aerodynamic effects are prohibited.
6. Floor pan is to be constructed to not allow any part of the driver's body to inadvertently pass through. Pan must stay within main-frame rails of kart, and only have holes for components (brake discs, sprockets, seat, etc.). The floor pan may extend to the trailing edge of the rear frame rails, must stay within the frame rails at all times, and must end before the rear bumper.
7. Kart numbers must be at least 6" on the nose, side panels, and rear number plate. All numbers must be read from the scorer's tower or you won't be scored. Your kart number must be visible to be scored.

CAGE KART:

CHASSIS DIMENSIONS:

1. Main frame members shall be constructed of cold rolled, electric weld, round steel tubing or other material of equal or greater strength, of 1.125" nominal minimum diameter, .083" wall thickness. Conventional tubular space frame construction methods only are allowed. Non-conventional construction techniques must receive review and approval of the race director and/or tech inspector prior to competition.
2. **Wheelbase:** 42" minimum, 45" maximum. Wheelbase is measured true axle centerline, each side.
3. **Overall width:** 40" minimum, 52" maximum. Overall width shall be measured from outside tire sidewall to opposite outside tire sidewall.
4. **Overall length:** 95" maximum. Overall length is measured at any cross section of the kart, parallel to the longitudinal centerline.

ROLL CAGE SPECIFICATIONS:

1. Full roll cage of four-point conventional construction is mandatory. The four uprights and top horizontal connecting tubes must be constructed of 1.125" nominal minimum diameter mild steel tubing. All attachments by welding unless otherwise specified.
2. Uprights and positioning: Each of the rear uprights must be welded to the main frame rails at a point aft of the rear axle centerline. Each of the front uprights must be welded to the side frame rails at a point forward of the steering wheel mount point and aft of the leading edge of the front tire. All uprights must create an angle of no less than 45 degrees with the main frame rails and have no bends within three inches of attachment point except for left rear.
3. Top hoop rails: Corner construction shall be rounded type with no sharp edges or corners allowed.
4. Shoulder harness mounting bar shall be welded laterally between rear uprights, double braced to the top lateral bar, at a height suitable for harness mounting. A minimum 6" square headrest shall be mounted to the braces level with the driver's head.
5. Side protection bars are mandatory and must run horizontally between front and rear uprights each side. One end connection may be slip jointed. Side protection bars must be positioned vertically between the driver's shoulder and elbow.
6. Roll cage overall width: 16" minimum, 24" maximum. Width to be measured outside to outside between any two uprights.
7. Roll cage to overall height: 38" to minimum. Height to be measured vertically from highest lateral cross bar centerline to main frame rail centerline.
8. All roll cages that deviate in any way from the above description must be brought into conformance or receive approval from the race director or tech inspector prior to being used in competition.
9. Seat positioning: No part of the seat may be positioned closer than six inches inside the left hand nerf bar. 65 degrees is the maximum seat angle (measured on back of seat).
10. Harness: Five-point, 16.1 SFI-rated racing harness is mandatory. Metal to metal harness fastener is mandatory. Mounting bolts must be cotter-keyed and attached to a 3/16" minimum thick, 2" minimum square steel mounting plate that is welded to the frame and/or roll cage. Arm restraints with 3.3 SFI certification are mandatory.

BUMPERS AND NERFS:

1. Front bumper: All components shall be constructed of round steel tubing of .750" nominal diameter minimum. Front Bumper must encircle entire front nose area at a height of 7.75" minimum from ground level, Double bumpers are recommended.
2. Rear bumper must encircle the tail section of the kart. The top of at least one bar must be 7.50" maximum from ground level.
3. Nerf bars: All components shall be constructed of round steel tubing of .750" nominal diameter minimum. Double bar construction is mandatory. The top of the upper bar must be no higher than the top of the rear tire. The bottom of the lower bar must be no lower than the bottom of the main frame rails. Nerf bar must extend from an area inside a longitudinal line from the outer portion of the front tire to a point no further outboard than 1" from outer tire surface.

BODY:

1. All bodywork components must be constructed of high strength plastic or fiberglass; no tin or steel body bodywork. No component of the bodywork may be adjustable in any way while kart is in motion.
2. All bodies, side panels, and nose pieces must be securely mounted.
3. Cockpit must be entirely open when viewed from above.
4. Wings, spoilers or other aerodynamic effects are prohibited.
5. Sun visors are permitted.
6. Full midget/sprint type, open wheel, conventional construction methods are approved. Flat panels are allowed only for side panels and all other body components must have rounded, compound curve configuration. Nose bodywork is mandatory, tail section is optional.
7. Kart numbers must be at least 6" on the nose, side panels, and rear number plate. Your kart number must be visible to be scored.

WEIGHT:

The following weights will apply per class:

- Cage Rookie: none
- Cage Jr-1: Flat is minimum 265 lbs; Cage is minimum of 310 lbs
- Cage Jr-2: Flat is minimum 320 lbs; Cage is minimum of 350 lbs
- Flat Adult: minimum 370 lbs
- Cage Adult: minimum 400 lbs (2022)

1. Any kart that is found light at the scales following qualifying/time trials will lose its time and start from the rear of a heat. Any kart that is light at the scales following a heat race, B main/consy, or feature will be disqualified from the event. *The track scales will be considered the official scales for the event.*
2. Additional bolt-on weight will be permitted, but MUST be mounted and fastened to the frame, and/or chassis between the chassis main rails, or seat in a secure manner utilizing at least 5/16" bolts that are cotter-keyed or double nutted utilizing large washers. Mounting weights to rear bumper or nerf bars is prohibited. Bolt-on weight should not exceed 5 lbs. each, per tab, and must be painted white with kart number. No weight may be added during yellow or red flag. Any kart that loses any weight/ballast during an event may be subject to a penalty.

TRACTION CONTROL/RADIO/TRANSMISSION DEVICES:

1. All Traction Control Devices are strictly prohibited during any form or portion of a RUSH Series sanctioned event, race or practice/test session.
2. All traction control devices, whether electronically controlled in the ignition system, wheel sensors or any means of measuring ground speed to control wheel spin, are strictly prohibited. All devices not mentioned in the above that are found to control wheel spin, timing or fuel delivery control will be considered strictly prohibited.
3. At NO time will there be any type of ping control devices, remote devices that modify RPM and/or timing, automated throttle controls, timing controls, or any modifications to the ignition control boxes, distributors, or any other part of the Ignition System. This includes any add on component or components inside or outside the cockpit of any competitor's kart. There shall be NO driver controlled wheel spin, timing or fuel delivery control devices in the cockpit area of any kart. Remote control components utilized to affect and/or control wheel spin, timing or fuel will not be permitted.
4. On-board computers will not be permitted, with the exception of the previously listed tachometers.

5. Radios and/or devices transmitting voice and/or data will not be permitted.
6. Data acquisition systems will not be permitted, with the exception of the previously listed tachometers.
7. A competitor found with any of the devices mentioned under Traction Control/Radio/Transmission Devices, #1-6, will be disqualified from the event (loss of points and monies), forfeit the device permanently and the following:
 - First Offense: \$200 fine & 30-day suspension from any RUSH-sanctioned event plus any testing costs, if required
 - Second Offense: \$300 fine & 60-day suspension from any RUSH-sanctioned event plus any testing costs, if required
 - Third Offense: \$500 fine & 180-day suspension from any RUSH-sanctioned event plus any testing costs, if required
8. A competitor refusing to relinquish any of the above mentioned will result in disqualification from the event (loss of points and monies) and "refusal of tech" penalties.
9. GPS and/or any other type of electronic tracking and/or locating/positioning device will not be permitted for any reason. If found, driver and kart will be disqualified for the night (loss of points and monies), and will forfeit device permanently, with the exception of the Mychron 4 or 5 tachometer.
10. GoPro and/or similar camera devices are permitted providing they do not interface with the kart, electronic or otherwise, and do not transmit any signals. Cameras not meeting specifications, will result in driver and kart being disqualified for the night (loss of points and monies), and will forfeit device permanently.

DRIVER RADIOS:

NO radios other than one-way communications between Track and/or Series Officials, if required.

TRANSPONDERS:

1. Transponders are only mandatory at tracks and events that require them. The on-site track tech official will determine the location of transponder mounting, if required at that event. It is the responsibility of the competitor to ensure that the transponder is in quality working condition, fully charged, and is securely mounted and is in the suitable position with brackets as outlined above. It is in everyone's interest that transponders are suitably and securely attached and are in good working order.
2. Depending on the track, MyLaps/AMB or Westhold brand transponders may be used.

GENERAL KART INSPECTION:

All karts may be subject to technical inspection at any time. Any driver that fails to cooperate and/or allow an inspection of his/her kart at any time will be subject to disqualification, a 45-day suspension, and \$500 fine.

SAFETY/PERSONAL SAFETY EQUIPMENT:

General

1. Each competitor is the solely responsible of for the effectiveness and proper installation, per the manufacturer's specifications, of personal safety equipment and determining it to be adequate for competition at every event.
2. Each competitor is expected to investigate and educate themselves for continuing improvement regarding their own personal safety equipment.

Seats

1. Seats must be constructed of aluminum, plastic or fiberglass.
2. All seats must be securely mounted to the frame as required by the seat and chassis manufacturer, and installed and used in accordance with the manufacturer's instructions, and not adjustable while kart is in motion. Seats must be retained with magnetic steel fasteners along with nylon locknuts or steel crimped locknuts in minimal of 4 positions to seat.
3. Seats must be securely bolted to frame and not adjustable while kart is in motion.
4. No portion of the seat shall be located rearward of the vertical axle.

FLAT KARTS:

Protective Clothing

1. All drivers will be required to wear jackets of leather, vinyl, abrasive resistant nylon or single layer SFI 3.2A/1 jacket.
2. Drivers must wear gloves at all times they are on track including engine starts, practice, and competition.
3. Full length pants are required.
4. High shoes or boots are required along with socks.
5. Chest and rib protectors are mandated for Rookie and Jr-1 divisions and highly recommended for Jr-2 and Adult.

Head and Neck Protection

1. Neck collars must be worn for every event including: practice, qualifying and competition.
2. Neck collars are mandatory and we recommend SFI 3.3 certification.
3. All drivers must wear a full-face helmet with a minimum safety rating of FIA 8860-2018, Snell SA 2020, Snell EA 2016, Snell SA 2015.
4. Hair must not be visible under the helmet or outside of the driver suit/jacket.
5. It is highly recommended that helmets should have the Eject™ helmet removal system installed as per the manufacturer's instructions.

CAGE KARTS:

Protective Clothing

1. All drivers will be required to wear a fire-resistant driving uniform meeting minimum of the SFI 3.2A/1 specification and display a valid SFI 3.2A/1 label on the outside of the uniform. Uniform must be worn at all times driver is on the track including engine starts, practice, and competition. It can be of one piece or two-piece design.
2. Driver's gloves must meet or exceed the SFI 3.3 specification and have a legible and valid SFI 3.3 label. Drivers must wear gloves at all times they are on track including engine starts, practice, and competition.
3. Racing Shoes will be required. Highly recommended to meet minimum of the SFI 3.3 specifications and display a valid SFI 3.3 label.
4. Fire-resistant accessories including but not limited to head sock, under garments, and socks are highly recommended.
5. Chest and rib protectors are mandated for Rookie and Jr-1 divisions and highly recommended for Jr-2 and Adult.

Seat Belt/Restraint System

1. Each kart will be equipped with minimum of a SFI 16.1 approved restraint system, until the date of the belt expiration (two years from the date of manufacturer or the expiration date printed on tag). Seat belt restraint systems shall be installed and used in accordance with manufacturer's instructions. In any type of manufacturer's installation, the fasteners must be supplied by the manufacturer unless using type of mount in which the seat belt wraps around the roll cage.
2. Seat belt material should not be permitted to come in contact with any sharp or metal edge, including when the material passes through the seat.
3. Arm restraints with a 3.3 SFI certification are mandatory and must be worn at all times during competition; must be connected and used as instructed by the manufacturer.

Head and Neck Protection

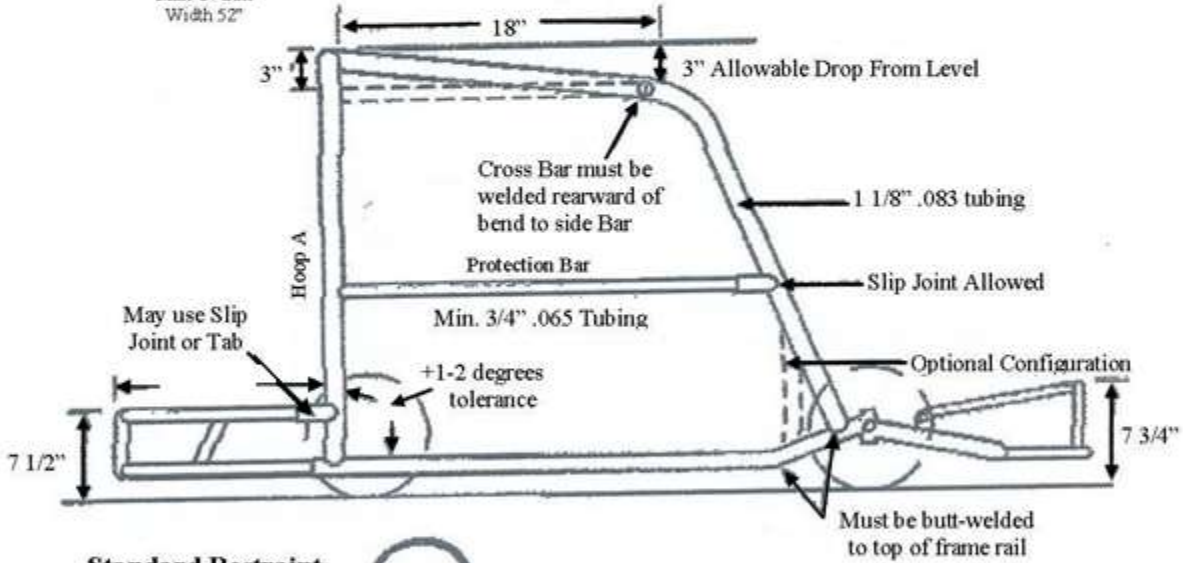
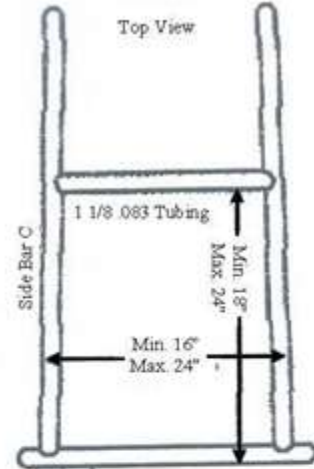
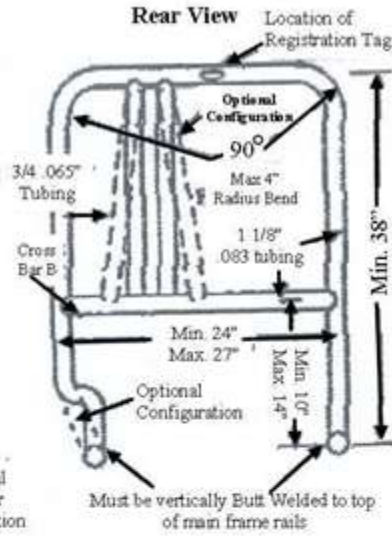
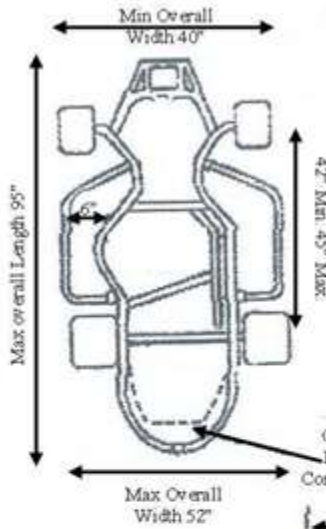
1. Neck collars or helmet restraints must be worn for every event including: practice, qualifying and competition.
2. Neck collars are mandatory and must carry SFI 3.3 certification. Helmet restraints are highly recommended versus neck collars. The device should meet SFI 38.1 specifications and display a valid SFI 38.1 label.
3. All drivers must wear a full-face helmet with a minimum safety rating of Snell SA 2015, Snell SA 2010, Snell SAH 2010, SFI 24.1 or FIA 8860-2010.
4. Hair must not be visible under the helmet or outside of the driver suit/jacket.
5. "The Joie of Seating" Karting Head Restraint System is highly recommended.
6. It is highly recommended that helmets should have the Eject™ helmet removal system installed as per the manufacturer's instructions.

Personal Safety - Other RECOMMENDED (Flat & Cage)

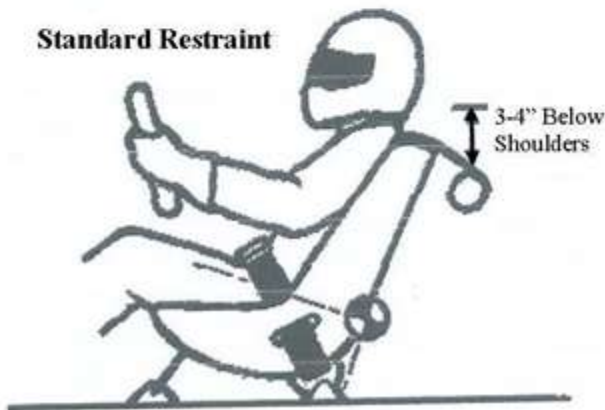
1. No sharp and/or protruding edges in and around the cockpit.
2. Only SFI flame retardant seat, roll bar, knee and steering pads and/or padding should be utilized.
3. All teams should have an easily accessible 2.5 gallon FFF fire extinguisher or its equivalent at the back of the team's transporter.



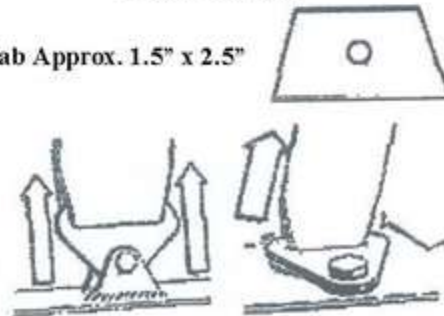
Cage Karts



Standard Restraint



Tab Approx. 1.5" x 2.5"



RIGHT

WRONG

FINES, PENALTIES, SUSPENSIONS & APPEALS

PRE-RACE TECHNICAL VIOLATION:

If a technical violation(s) is found during pre-race technical inspection, the driver/team will be advised of the violation and must meet full compliance before being allowed to compete.

REFUSAL OF TECH

A refusal of tech and/or failure to allow an official to confiscate a part(s), other than the already previously stated individual refusal penalties/suspensions, will result in a 45-day suspension and \$500 fine. All illegal parts will be confiscated.

FINES & PENALTIES:

If an entrant is disqualified for any reason, any fine and /or suspension applies to both the driver and kart owner if not the same person. In other words, if an entrant is disqualified for a technical violation, such as an engine not in compliance with tech specs, neither the owner nor the driver can race for the suspension period, and while only one fine will be charged, neither party can race until that fine is paid. Fine must be paid in full to Series by cash or certified check in order to compete once suspension period ends. NOTE: If suspension includes 'a number of days' clause and occurs at the end of the season when no additional events exist, suspension will carry over to the following year beginning with the first RUSH-sanctioned event in the region.

EVENT SUSPENSIONS:

Driver/Owner suspended for any infraction will carry over to **ALL** RUSH-sanctioned divisions and will preclude driver/owner from competing at **ANY** RUSH-sanctioned event until suspension is lifted.

MULTIPLE INFRACTIONS:

In the event driver and/or kart is disqualified in post-race tech for the same technical rules infraction twice (excluding engines within the sealing system, tires, fuel, and shocks, springs, suspensions rules- see each rule for specific penalties), driver and kart will be suspended for 7 days from all RUSH-sanctioned events. Each successive infraction will carry an additional 7-day suspension.

In the event an entrant fails technical inspection for multiple infractions that each carry a suspension and/or fine at the same event, suspension and/or fine will compound and accumulate with each infraction.

LEGALITY OF PARTS:

If RUSH or Track Tech Inspector is unsure of the legality of a part, said part will be sent to GM or to RUSH Office for inspection. At this time, finishing position will be frozen until legality of said part is determined. In the event of a disqualification, finishing position, points and monies would be adjusted accordingly. **ALL ILLEGAL PARTS WILL BE CONFISCATED & DESTROYED!** Not allowing confiscating of parts is considered "cheating within the bolts" and said penalties will be imposed.

FINALITY OF DECISIONS AND INTERPRETATIONS AND COVENANT NOT TO SUE:

The decisions of RUSH officials or promoter at an event, including the interpretation and application of rules and the scoring of positions, shall be FINAL, BINDING, and NON-APPEALABLE, except in the case of a suspension or fine, which is further explained in the SUSPENSIONS/FINES & APPEALS category.

All participants, as a condition of participating in an event, agree that ALL decisions of officials or the promoter, regarding the interpretation and application of the rules, and the scoring of positions, shall be NON-LITIGABLE. All participants further covenant and agree that they will NOT initiate any of legal action against Great Crate Racing Northeast D/B/A RUSH Racing Series, the promoter, and officials to challenge such decision, to seek monetary damages, to seek injunctive relief, or to seek any kind of legal remedy. If a participant pursues any such legal action, which violates this provision, then the participant and/or owner expressly agrees to reimburse RUSH for ALL of its ATTORNEY FEES and COSTS IN DEFENDING AGAINST SUCH LEGAL ACTION.

By signing the annual registration agreement, participants agree that they will comply with the written rules and procedures of RUSH. In the event that he or she would breach the registration agreement, he or she shall be liable for actual and liquidated damages sustained by RUSH Racing Series.

APPEALS PROCESS:

RUSH will determine any and all suspensions/fines that are covered in the rules and any violation that may come up during the year. RUSH will make judgment on the sanctions, and violator(s) will be sent official notice by a certified letter, return receipt requested.

Driver and/or kart owner has the opportunity to appeal his or her sanction and must do so in writing accompanied by any relevant documentation. Appeal must be in writing and faxed or e-mailed to the RUSH Office at 724-964-0604 or within 48 hours of notification of violation.

RUSH will then set a date and time for the appeal hearing at the business office located at the address of 4368 Route 422, Pulaski, PA 16143. The violator(s) will present his/her case to the RUSH Racing Series. The violator(s) and one other person is permitted to attend the appeal hearing. Additional attendees must be approved by RUSH pursuant to a written request.

Following the appeal hearing with the violator(s), RUSH may conduct further follow-ups, meetings, etc. with any other necessary party(s). Judgment will then be rendered to the violator by a certified letter, return receipt.

Violator(s) agrees that the decision made will be final and party posting appeal has no legal rights thereafter. In the event of a protest, the party that protested also agrees to accept final ruling on decision and has no legal rights thereafter.

MISREPRESENTATION

False or inaccurate statements or information provided to RUSH in any instance(s) will render it void, and will excuse RUSH from any obligation created herein. Further, RUSH reserves the right to seek compensation for any damage suffered as a result of its reasonable reliance on the information provided.



Base Engine - \$425

The mandatory RUSH Karting Engine Package from Precise Racing Products includes the following:

- Base engine part #BASEKART-RUSH (212 cc)
- 3 official RUSH Kart wire cable seals; installed & recorded for engine tracking

Engine Finish Kit - \$210

Includes the following:

- Air filter
- Air filter adaptor
- Air filter foam wrap
- Header Pipe - part #AKRA DJ-1138B
- Muffler - part #AKRA RLV-4117 (Mini 91)
- Exhaust Support brace
- Hilliard Flame Clutch
- Hilliard, #35 chain, with tooth choice option
- Carburetor restrictor plate

Base Engine with Finish Kit - \$635

Available at these select distributors.

For more information on the RUSH Kart sealed engine package contact:

- **Precise Racing Products (110 South Pike Road, Sarver, PA) - 724-360-8000**
- **Kart Works (Sugar Grove, PA) - 814-730-8052**