

# Crystal Motor Speedway

## 2022 Mini Wedge Rules

### 2022 Rules and Regulations

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### Section 1 – Cart

- In order to help with lineups, karts must have the car number on the back. All karts must have a working transponder.
- Wheelbase 45" – 52" Maximum width of the outside of the tire is 49". (This wheelbase has been lengthened to help kids fit the carts as they grow older).
- All karts must be constructed of steel tubing with a complete 6-point roll cage including adequate side protection. Cages must be a minimum of .065 x 1" steel tubing welded to the frame.
- Floor pans are required to be made of steel or minimum .040" aluminum. The floor pans are to be securely bolted or riveted to the frame. The length of the floor pan must go from the center of the seat to the front of the frame going past the driver's pedals.
- The engine must be located behind the driver's seat. No part of the engine can be located beside the seat.
- Rear axle must be a steel axle and a minimum of 3/16" wall thickness. Rear axle must drive both tires. No one wheel drive allowed.
- Rear axle bearing adjuster permitted, one per axel
- Tires: Hoosier 11" - #15600 or 10.5" - #15500
- No grooving or sipping of the tires. No treating or soaking of tires. Grinding is permitted. Tires must durometer a minimum of 50, any tire that durometers less will be deemed as treated and will result in a level 1 suspension.
- Rim width cannot be any wider than 6.5" wide and must be at least 6" tall.
- One single rear shock mounted in the center 12" allowed. Must be BMI KARTS.COM #AZ1700-15. NO SHOCK COVERS ALLOWED. Suspension must stay within the intent of the rule, which is to give the driver some cushion only.
- Kart must weigh no less than 335 lbs. with driver. When the class is split by age, the 6-9-year old must weigh 335 lbs. and the 10-14-year old must weigh 375 lbs. with the driver. The track may choose to weigh in before or after the race. To move into the 10-14-year-old class, you must be a least nine years old and have raced at CMS at least one year.
- We highly encourage the doors and quarter panels to be wider than the tire width at the bottom of the doors and quarters. This will help prevent "Wheel Hop"
- At least one vertical door bar must be welded on each side of the driver running from the main rail to side crash bars for driver protection. See rear side view drawing for more details.

- Front and rear bumpers must be mounted at all times. Front and rear bumpers must have at least a 6" tall hoop
- Front and rear down tubes are mandatory for driver's protection
- All tubing on main roll cage must be a least .065" wall tubing
- Driver's seat must be mounted in four locations (4-bolts)
- Two door numbers must be present with a minimum of 12"
- Two throttle return springs are required
- 2 kill switches are required. One must be mounted within easy reach of the driver. The other must be mounted on top of the left, rear corner of roll cage
- Any weight mounted on the kart must be painted white with the driver's name and number on the weight. Weight must be mounted by a least one 1/2" bolt. Any weight lost during an event will result in a disqualification and loss of points of that race night

### **Section 2 – Engine**

- Two engines will be allowed: 6,5 GO (212 cc) OHV Predator Engine and the Honda 6.5 HP Engine
  - Engine must remain stock. No parts to be removed except governor. No modifications to be made. No internal work to be done.
  - You can disconnect or remove the governor
  - You can change the spark plug
  - You can run an aftermarket air cleaner
  - You can remove and run a remote fuel tank
  - The exhaust may not be altered in any way
  - Fuel is to be regular unleaded gas. **NO ALCOHOL OR E85**. Fuel samples may be taken at any time
  - All engine identification and serial numbers must remain stock. No removal or grinding allowed
  - Carburetors must remain stock to either the Predator or Honda 6.5 HP engines that they were originally sold with. May not be mix and matched
- Either engine may be claimed at the completion of the feature. See claiming procedures below
- The engine claim is set at \$75 for either engine
- Engines may be claimed by track officials at any time
- Engines may be swapped by a track official at any time

### **Section 3 – Clutch**

- Clutch must be in front of axle
- Clutches allowed in competition: Noram Magnum Premier Clutch or Max-Torque Clutch.
- Any 12, 13, or 14 tooth clutches may be run in competition
- Clutches May be claimed for \$75. Anyone finishing the feature running on the same lap as the 4<sup>th</sup> place finisher may claim any one of the top 4 finishing carts
- Clutches may be claimed by track official at any time

#### **Section 4 – Claiming procedures**

- Anyone finishing the feature running on the same lap as the 4<sup>th</sup> place finisher may claim any one of the top 4 finishing carts. Claim may be anyone, but not all of the following: Engine (carb included), clutch, or carburetor separate from the engine.
- The following are claimable: Engine, clutch, or carburetor
- The engine claim is set at \$75 for either engine
  - Engine claim will include the carburetor
  - Does not include the clutch, air cleaner, chain guard, throttle plate, linkages, springs or gas tank
  - Engine claim does not include the restrictor plate. In the result of a claim, once the engine is removed, the restrictor plate will be removed by track official and returned upon inspection
- The clutch claim is set at \$75 for any clutch allowed in 2019
  - Claim will include the clutch and keyway
- The carburetor claim is set at \$50
  - Claim will include carburetor only. No springs, gaskets, or linkages
- At the result of the feature the claimed piece will be removed and inspected by a track official before the claim becomes official. If the claimed piece is found to be illegal the competitor will be disqualified, lose all points for the night (first offense) the claim will not be allowed, and the claim money will be returned. If the part is deemed legal, the claim will become official. The claimed engine will be available on Wednesday the following week, after inspection is completed.
- Any part, upon inspection, found to be illegal, will be confiscated by track officials and may not be returned.
- A parent or legal guardian must present exact cash amount, to the track official before the start of the A-Feature. IF THE CLAIM IS WITH DRAWN, THERE WILL BE A \$50.00 PENALTY ASSESSED
- The claim must be presented to the inspector. You will at that time be asked what engine, clutch, or carburetor you are claiming.
- A competitor may claim a maximum of 2 times per year. If you are claimed more than 2 times, then you may claim one more time than what you have been claimed.
- Engines, clutches, or carburetors may be claimed by a track official at any time
- Claiming is encouraged. The intent of the claim is to help in the policing of overspending in a class that is designed to be affordable entry level racing.
- The claimed part must be removed in a reasonable period as deemed by track officials and all the parties involved.
- The claimed part must be removed in the designated tech area.
- A tool box with the necessary tools to pull an engine is encouraged. All parts requiring inspection must be removed in the tech area.
- Any sabotage will result in a Level 4 disqualification.
- Engines may be claimed by track officials at any time. Upon inspection, engines claimed by the track will be auctioned off on the following race night.
- Any engine found to be illegal will result in a Level 2 suspension.
- Refusal of claim will result in level 4 suspension

## **Section 5 – Race Rules**

- TECH INSPECTOR WILL BE ALLOWED TO COACH DRIVERS
- A parent or legal guardian must accompany the driver. Unless you are appointed his/her legal guardian, by law, you cannot sign a release form for them. Therefore, they cannot race. Any exception to this rule cannot be made by an official and must be brought before the track's management or track's insurance carrier for a decision.
- Arguing about scoring or judgment calls will not be tolerated. Confrontations/arguments with track officials or another parent may result in a level 1 disqualification.
- The scoring tower is off limits to drivers and anyone who is not a track staff member.
- Any parent, driver, or team member involved in any type of confrontation with anyone at the track may result in a suspension of the driver, parent or legal guardian for at least 2 weeks from all events.
- Age limit is 6-14 years old. You must provide a copy of your birth certificate before you can race. You must turn 6 on or before April 1<sup>st</sup>. You may not be older than 14 after April 1<sup>st</sup>. In the instance that you want to race before the age of 6, this is a judgment call made by the track officials and you may be required to start at the rear of the field until otherwise notified.
- There will be NO WARNINGS given out for bad behavior.
- Suspensions:
  - Level 0 – Will be asked to fix infraction before next race. Failure to do so will result in a Level 1 disqualification.
  - Level 1 – Disqualified for the night and loss of points.
  - Level 2 – Disqualified for 2 race nights and loss of points for that night.
  - Level 3 – Disqualified for 2 race nights and loss of points for the year.
  - Level 4 – Disqualified for 1 calendar year from date of infraction and lose all points for the year
- **Any penalties or suspensions may be honored at all MSPA member tracks.**
- **All suspensions are accumulative. ie: A second Level 1 suspension becomes a Level 2, etc.**

## **Section 6 – Driver Safety**

- All drivers must wear an approved SFI-1 certified or SFI13-2A/1 Fire Suit. SFI certification patch shall be required on the fire suit.
- A full-face helmet will be mandatory and must be worn anytime car is in motion.
- All drivers must wear a neck brace, arm restraints, closed toe shoe and fireproof gloves.
- 5-point harness system is mandatory. All harnesses must have an SFI rated patch.
- All karts must have two triangle type side window nets attached to the roll bar on each side of the driver. If you run a full containment seat you are not required to run a window net.
- A driver found to be missing any of the above will be disqualified from that event.
- NO part of head or Helmet is to protrude above roll cage.

## **Section 7 – Body Specs**

- There will be no roofs or sail panels
- A maximum of a 3-inch spoiler will be allowed. Spoiler side's maximum height will be 3 inches from deck and 5 inches long.
- All carts must have a fully wedge Late Model appearing body. No open fenders will be allowed

- There must be at least 4 inches of body behind the rear wheels.
- There will be no covered or enclosed motors. All motors will always remain completely visible.
- Rear deck height cannot exceed a maximum of 28 inches from the ground. Must maintain a minimum of 3-inch ground clearance.
- Body must be constructed of .040" aluminum. Plastic may be used for nose, fenders, and trim.

### **Section 8 – Point System**

- Drivers unable to compete in the A-Feature will receive last place points.
- There will be no double points nights
- Points will be divided into 2 age groups: 6-9 years old and 10-14 years old. There will be a champion in both age groups.
- Cars will line up by a draw/redraw on opening night. For the remaining nights of racing, drivers will be lined up according to their last three point average (total points divided by the number of nights raced). Drivers must be registered by 6:30 p.m. on race night or they will forfeit their starting position. This will result in the driver starting at the tail of the heat.
- Feature winner from the week before will start 8<sup>th</sup>, and in front of any 1<sup>st</sup> time arrivals. If the feature winning cart does not race the following week, they will start 9<sup>th</sup> the next time they race at the track.
- All ties will be broken by using the greatest number of 1<sup>st</sup> place finishes during the season. If a tie still exists, the number of 2<sup>nd</sup>, 3<sup>rd</sup>, etc. will be used in the same manner, until the tie is broken.

### **Section 9 – Race Procedure**

- Caution car (judgment call) will be put to the tail.
- Two cautions per heat and feature raced allowed. Upon causing the 2<sup>nd</sup> caution, the driver will be sent to the pits.
- Rough driving will not be tolerated. The black flag will be thrown when a driver is driving rough, this is a judgment call and cannot be argued.
- The class will be split into two groups by age.
- All carts must report to the tech area upon completion of all races.
- Parents must accompany drivers any time they are moving in the pits.
- No parent will be allowed on the track at any time. If there is a problem with your child's kart, track officials will safely remove it from the racing surface and return it to your pit spot.
- Officials decisions are final