

2009 Mini Wedge Racing Association Rules and Regulations

Rules may be changed/amended by MWRA when deemed necessary.

2009 MWRA RULE CHANGES

The following are rules for the Mini Wedges. Cars can be built from MWRA approved chassis (Falcon, Miller, Boss, Rocket, Riddler, etc.) or of new construction, which must be inspected and approved by a MWRA official.

Section 1-Car

A: Wheelbase 45" to 49"
Maximum Width (outside tires) 49"
Minimum ground clearance 2"
No roofs

F: Effective June 1, 2008, Hoosier tired ONLY must be used. Hoosier parts # 15300 (33.0/4.5 x 6D20 compound.) or Hoosier part # 11300 (10.5 x 4.5-6 D20A compound.) No grooving or slicing of the tires.

Hoosier Tires has developed a program for the Go-Karting Associations. This program will earn MWRA money for using Hoosier tires. All tracks and karts will be running Hoosier tires. The MWRA will earn 1 point for each kart, each night, running Hoosier tires.

EE: Any weight added to the car MUST be bolted or welded to the frame. Approved weight clamps may be used. NO hose clamps, duct tape, zip ties, bungee cords, etc. All weight must be painted white with name and cart number on it. **If weight is lost during a race (heat or feature) you will be disqualified.**

Section 2- Engine

ALL ENGINES WILL BE SEALED BY MWRA TECH WITH SCHWANKE SEALS. (All engines will be teched by MWRA tech before being sealed. All seal numbers will be registered in MWRA records.) For sealing information contact Jay Smarr at 304-462-5544.

E: No use of alcohol or fuel additives. Fuel can be checked at any time with a fuel hydrometer. It is the owners option to check the fuel before the race. Fuel rating may vary from week to week. If you don't know where your fuel is, test it! **This is your responsibility.** If fuel is tested after racing and deemed "illegal" you will be disqualified and suspended according to Section 5L. **Fuel reading must be no lower than -50.**

Section 3- Race Rules

I: Age limit is 6 years through 14 years of age. You MUST provide a copy of your birth certificate before your first race at registration. Age is determined at the beginning of the racing

season. (If child is 14 at the beginning of the season and turns 15 during the season, he/she may complete the racing season.)

L: NO alcohol is permitted in MWRA pits. Adults that are consuming alcohol will be asked to leave the MWRA pit area IMMEDIATELY.

1st offense- Adult will be asked to leave. Failure to leave pit area will result in one week suspension of kart/driver that adult is affiliated with.

2nd offense- Suspension of kart/driver individual is affiliated with for remainder of season.

MINI WEDGE RACING ASSOCIATION

MISSION

To provide the safest racing program possible designed to teach young drivers the skill, sportsmanship, and fair play needed to compete on and off the track.

VISION

The MWRA will be known throughout the racing world as the standard in safety, quality, and value. No other organization will pose a serious threat to our continued success. MWRA will be a great experience for both parent and child. Opportunities for continuous education and growth will foster personal and career growth. Our efforts will be recognized by others who view us as a benchmark for safety and fairness.

VALUES

We must strive to provide a fun and safe environment for every person. We do believe all of our members desire to excel in their life. We must treat each other fairly with respect, plus offer encouragement and appreciation as we work together towards the same goals. To promote families spending good, quality time together, at or away from the track.

2009 MWRA Rules and Regulations

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The MWRA encourages a fun, family atmosphere. Times may arise that are stressful and upsetting to both parents and the driver. When addressing these issues, please speak in a manner that is respectful not only to the driver, but to others that are within hearing distance.

Membership in the MWRA shall be \$25.00 per year.

Membership is required at ALL MWRA tracks.

Membership applications can be obtained by contacting Missey and Troy Kimbrew at 304-265-6208 or requested by email at kimbrew93@aol.com.

Section 1 – CAR

- A: Wheelbase 45” to 49”
Maximum Width (outside tires) 49”
Minimum ground clearance 2”
No Roofs
- B: All cars must be constructed of steel tubing with a complete 6 point roll cage including adequate side protection. Cage must be a minimum of .083” x 1” steel tubing welded to the frame.
- C: Engine must be behind the drivers seat.
- D: Floor pan required of steel or minimum .063” aluminum securely bolted (no pop rivets) to the frame and must fully cover from the seat front to past the foot pedals.
- E: All cars must have a body with fully enclosed wheels and tires. No open wheel cars permitted. There must be at least 4” of body behind the rear wheels. There must be at least 4” wide rear deck panel behind the motor compartment opening. There will be no covered or enclosed motors. All motors will remain completely visible at all times (see body drawing). Interior driver cockpit must be enclosed. No exceptions to this rule.
- F: Effective June 1, 2008, Hoosier tires only must be used. Hoosier parts #15300 (33.0/4.5 x 6D20 compound) or Hoosier part # 11300 (10.5 x 4.5-6 D20A compound.) No grooving or slicing of the tires.
- G: No suspension allowed, no springs, shocks, rubbers, or torsion bars of any type permitted.
- H: Rear deck height maximum 24” high from ground minimum 20” high from ground plus or minus 1”.
- I: Body must be constructed of .040” aluminum. Plastic may be used for nose and trim.
- J: Any chassis bars above 6” from ground cannot have more than 2” of protruding ends. This includes body brackets and supports. Measurements will be made from the closest welded joint.
- K: Side crash bars must be flush with outside of front and rear wheels, plus or minus ½”.
- L: Side crash bars must run lengthwise from at least center of the front wheel hub to center of the rear wheel hub.
- M: Side crash bars must be at least 1” round or square tubing with .083” minimum wall thickness.

N: Side crash bars must be welded to the main frame in no less than 4 places with at least $\frac{3}{4}$ " x .083" wall tubing. Dash bar must be welded to the front down tubes and the side crash bars. **No floating bars allowed.**

O: At least one vertical door bar must be welded on each side of driver running from the main rail to side crash bars for driver protection. Must be $\frac{3}{4}$ " or larger .083" wall (see rear, side view, drawing "D")

P: Front and rear bumpers must be at least $\frac{3}{4}$ " x .083" wall tubing.

Q: Bottom of control pedals must be connected to the frame behind the front down tubes or to the floor pan.

R: Front and rear down tubes are mandatory.

S: All tubing on main roll cage including side crash bars and bumpers must be .083" wall minimum.

T: Vertical support posts (see side view, drawing "A") must run from main frame rail to top of roll cage, be welded on both ends and be constructed of at least 1" round or square tubing with at least .083" wall. Must be one right and one left positioned near drivers shoulder and run near parallel with the back of the seat.

U: Seat mounts (4) required and must be constructed with no less than $\frac{3}{4}$ " x .083" wall tubing or $\frac{3}{16}$ " thick flat steel material and all mounts must be welded to the main frame. NO clamp on mounts permitted.

V: All cars must have a horizontal cross bar behind the seat, positioned about half way between the bottom frame rails and the top of the roll cage constructed of no less than $\frac{3}{4}$ " x .083" wall tubing and welded to the vertical support posts (see "B" rear view drawing).

W: All cars must have a minimum 12" number on both sides of the car. If your number is too small or not easy to read, you may not be scored.

X: Aluminum racing style, high back, padded seats are mandatory on all mini wedge cars.

Y: Throttle pedal or control rod must have a return spring along with a return spring on the carburetor throttle linkage.

Z: Brakes must be in proper adjustment and in safe working order.

AA: Two (2) kill switches must be on the car and both must shut down the motor separately. One (1) must be located in the cockpit and within driver's reach with arm restraints in use. One (1) must be located at the top left rear corner of the roll cage (see rear view drawing "C").

BB: No kill buttons. All kill switches must be an ON/OFF type switch.

CC: All cars must have a metal/aluminum chain guard.

DD: All cars must weigh a minimum of 315 pounds after the race with the driver and safety equipment. Cars may be weighed at any time. Each track may use its own method of weighing the car.

EE: Any weight added to the car **MUST** be bolted or welded to the frame. Approved weight clamps may be used. No hose clamps, duct tape, zip ties, bungee cords, etc. All weight must be painted white with name and kart number on it. **If weight is lost during a race (heat or feature) you will be disqualified.**

FF: All framework, except upper roll cage, **MUST** be within the bodylines of the car. No exposed side crash or side nerf bars.

GG: You must have snap rings installed on the ends of the rear axle at all times.

HH: All cars must have a 5 point harness system securely fastened to the main frame of the chassis. This harness must have an SFI rated patch and a manufacturer's date tag and must be no more than 2 years old according to the manufacturer's date tag.

II: All cars must have 2 triangle type side window nets attached to the roll bar. These nets are similar to those used in sprint cars, midgets and ¼ midgets.

JJ: All cars must run four (4) windshield bars running **VERTICALLY** in front of the driver. These bars must be made of no less than 5/16" solid rod and cover at least ½ of the total open area measured from the front top cross to the deck. Bars must be welded or bolted to the front down tubes. No hose clamps or zip ties.

KK: A bar made of ¾" or larger must be installed behind the headrest of the driver's seat running diagonally from the top of the roll cage to approximately midway down to the horizontal support on the opposite side. It may run either direction, but right hand top corner to bottom left is recommended (see rear view drawing "E").

LL: 12" minimum distance from the rear bumper to the gas tank of motor (see side view drawing).

MM: One inch plastic or aluminum flat strap may be used to support rear quarter panel from bottom of frame.

NN: No heim joints, slip joints, torsion bars, spring, etc. shall be used in construction of the frame.

OO: Front and rear down tubes must be 1" round or square tubing of .083" wall thickness. Rear down tubes must be welded to vertical side post at least 18" up from the top of the main frame rails and run down toward the rear of the car to connect to the main frame rail behind the rear axle.

PP: All cars must run front, rear, and side nerf bars (see nerf bar drawing). Nerf bars must be made of at least ¾” round tubing either bolted or welded to the main frame. All nerf bars must be at least 6” tall and 18” long.

QQ: Side nerf bars must run flush with the side crash bars.

RR: Front and rear nerf bars must be welded to the bumpers on the outermost edge and stand 90 degrees to the ground, they cannot lean out or back (see Nerf bar drawing).

Section 2: All engines will be sealed by Jay Smarr with Schwanke Seals!

Contact Jay Smarr at 304-462-5544 for sealing information

A: 6.5 Hp OHV clone yellow or blue

B: All motors must be brought to Jay Smarr to be sealed. All motors must be in a sealed unopened box from store when they are brought to him.

C: You can buy motors @ Harbor Freight, APS, Turk Bros., etc. as long as it is a 6.5 HP. No Briggs & Stratton motors.

D: No rebuilds

E: No after market parts

F: Power must be transmitted by centrifugal type clutch. Nothing else is allowed.

G: No reading between the lines. If it is not in the rules it must remain stock.

H: Header pipe part # AP 5263 at APSports

I: Air adapter part # AP 5072 at APSports

J: No use of Alcohol or Fuel additives. Fuel can be checked at ANYTIME with a fuel hydrometer. It is the owners option to check the fuel before the race. If fuel is tested after a race and determined “illegal” you will be disqualified and suspended according to section 5L. Fuel reading must be no lower than -30.

K: No machine work can be done to the motor.

L: No offset keys. No filing or milling of the keys.

M: Only stock valve springs and stock rocker arms allowed.

N: You may file the throttle stop for maximum opening of the throttle.

O: Cars must be recoil type start and must be permanently attached to the motor.

P: Must have a stock key in flywheel and no filing of the key. Stock flywheel only!

Q: K&N #G-80 Filter, Pre Filter # G1262 A generic type air filter with the same diameter and height as K&N Filter #G-80 may be used (outerwear optional) the foam filter must be in place.

R: The jet can be no more than .003 (This will be checked)

S: You can adjust the valves.

T: Carburetors can be no bigger than 70 thousands on inside of opening.

U: All carburetors must have a working choke.

V: YOU CANNOT RACE IF MOTOR IS NOT SEALED!!!!

Section 3 – Race Rules

A: A PARENT or LEGAL GUARDIAN must accompany all drivers. 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 MWRA official and must be brought before the track's management or tracks insurance carrier for a decision.

B: All cars will be lined up according to their pill draw. Failure to draw a pill before the line up is turned into the track officials will result in the driver starting at the tail of the heat.

C: You need to know when you will be racing. Allow plenty of time to prepare the driver. (buckling up, suiting up, etc)

D: MWRA officials are not responsible for each driver and ensuring that they are prepared to race. Be prepared to race at a moment's notice! All cars are to be kept in the MWRA pit area. This allows all carts to be teched, weighed, etc.

E: Track officials in the scoring tower will make all scoring and judgement calls. Their decisions are FINAL.

F: Arguing about scoring or judgement calls will not be tolerated. Confrontations/arguments with MWRA officials, track officials, or another parent can result in a minimum suspension of two weeks from all MWRA sanctioned tracks.

G: The scoring tower is off limits to drivers and anyone who is not a track staff member.

H: Any parent, driver or member of any team involved in any type of confrontation with anyone at the track will result in a suspension of the driver for at least two weeks from ALL MWRA events at any track.

I: Age limit is 6 years through 14 years of age. You must provide a copy of your birth certificate before your first race at registration. Age is determined at the beginning of the racing season. (If child is 14 at the beginning of the season and turns 15 during the season, he/she may complete the racing season.)

J: If a motor change is necessary after the heat race, you must "tag the tail" in the feature race.

K: In cases where a cart is being driven by anyone other than the registered driver of that cart (substitute driver) points are given to the substitute driver. The substitute driver's number must be placed on the cart that he/she is driving.

L: NO alcohol is permitted in the pits. Adults that are consuming alcohol will be asked to leave the MWRA pit area IMMEDIATELY.

1st offense- Adult will be asked to leave. Failure to leave pit area will result in one week suspension of kart/driver that adult is affiliated with.

2nd offense- Suspension of kart/driver individual is affiliated with for remainder of the season.

Section 4- Driver Personal Safety

- A: All drivers must wear an approved SFI-1 certified or SF 13-2A/1 fire suit. SFI certification patch shall be required on fire suit.
- B: A full face Snell 95 rated helmet will be mandatory at all tracks and at all MWRA events. No motocross type helmets with goggles and mouth guard will be allowed.
- C: All drivers must wear a neck brace.
- D: All drivers must wear arm restraints. Arm restraints are to be worn between the elbow and wrist area.
- E: MWRA strongly recommends the use of fire resistant underwear.
- F: All drivers must wear a closed toe shoe. No sandals, flip flops, etc. A fire resistant racing shoe is strongly recommended.
- G: Fireproof gloves are mandatory at all MWRA events.
- H: To ensure the safety of all drivers, drivers that have injuries that would affect their ability to drive (broken bones, casts, medications that affect driving ability, etc) will not be permitted to participate in MWRA races/events until a written medical release is received from the driver's physician.

Section 5- Tech Inspection

- A: MWRA officials will visually inspect cars.
- B: MWRA tech inspectors may do a motor "tear down" on any cart he/she chooses, at any MWRA event. MWRA officials will be trained to perform a complete motor tech. Inspectors are not responsible for reassembling engines after inspection.
- C: The tech inspector may tear a motor down as far as he/she believes necessary.
- D: If the inspector rules that your motor or part of your motor is illegal, you will be disqualified. The inspector's decision is final.
- E: If you have any question about your motor being legal, YOU need to have it checked. It is your responsibility to make sure that your motor is legal. A brand new (out of the box) motor does not make it legal. There are variances in the manufacturing processes.

F: If an official decides that your cart or part of you cart is illegal or unsafe, you will be asked to fix it prior to racing it. Any MINOR infraction you are asked to fix MUST be taken care of before your next MWRA race.

G: Any participant, car and/or motor may be inspected anytime, at any track, regardless of their race results.

H: If a tech inspector deems that any part of your car or motor is illegal, you will be disqualified.

I: If any participant, car, motor, or personal safety equipment is found to be improper, unsafe, or illegal, you will be disqualified.

J: All tech procedures are done using MWRA tech gauges, not the racer's gauges.

K: Minor infractions such as no gloves, no neck brace, no chain guard, body work infraction, loss of ballast, rough driving, jumping the start, arguing with others, failure to slow down after checkered flag, etc., could result in a loss of track points and a 2 week suspension.

L: Major infractions are considered as any illegal act committed on purpose for an advantage gain over their competitors that is not allowed by the rules or otherwise given permission to do, by the track or MWRA officials such as tampering with any part of the carburetor, head, block, cam, after market cam, wrong rod, wrong piston, wrong head gasket, wrong fuel, arguing with any MWRA track official or going to track promoters will result in the following:

1st offense: Surrender of illegal parts for destruction. Loss of all track points for that night and two week suspension (14 days/2 regular races) from all MWRA tracks and events. No penalty for rainouts.

2nd offense: Immediate suspension for the remainder of the year from all MWRA tracks and events.

M: Any car jumping the start or witnessed rough driving will be disqualified and earn no points for that race. Driver will receive a warning. Second offense will result in disqualification for 2 weeks. Third offense will result in suspension for the remainder of the year from all remaining MWRA races and events.

N: Any car refusing inspections will be automatically suspended from specific track that refusal occurred for the remainder of the season.

Section 6- Body Drawings

For copy of the body drawings and hard copy of 2009 rules contact Jay Smarr at 304-462-5544 or email danpatterson@suddenlink.net .