

# **2024 MWRA RACING RULES – Bullring Mini Wedges**

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



## **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.

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 is required at all MWRA tracks. Membership in the MWRA shall be \$25.00 per year.

## **Tyler County Speedway Engine Rules**

AKRA Clone with big pipe is official motor for 2024.

## **Wedge Inspection:**

1. MWRA officials will visually inspect cars.
2. If an official decides that your car or part of your car 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.
3. Hydraulic brakes must be in proper working order.
4. Power transmitted by centrifugal clutch, drum or disc. No variable belts or pulley systems. Must use chain guard and engine must stay behind drivers seat.
5. Fuel tank requirements: remote mounted fuel tank MANDATORY. Due to stock tank breakage, fuel tank must be located in a safe location outside of the drivers cock pit, behind the driver and inside the profile of the frame and roll cage. Pulse type fuel pump allowed. Tank must have a top suction pick up tube and should have an in-line filter between tank and carb. Remote tank can be plastic or aluminum and must have a rollover leak prevention set up. No bottom drain fuel tanks. Carburetor fuel supply must be from a pick up tube exiting the top of the tank. Any threaded holes on the bottom must be plugged.
6. The fuel tank must remain inside the profile of the roll cage and main frame in case of a roll over. It must be a top pickup tube design and securely fastened with a built in bracket and/or bolted to a bracket made of at least .060" aluminum. Duct tape, zip ties, and hose clamps will not be allowed as the means of holding the tank to the car.
7. Car numbers must be at least 12" tall on both sides and be of sharp contrast to the body color. It is required that you display a car number on the front and rear at least 8" tall for scoring purposes. If the number can't be read, you may not be scored properly.
8. While the MWRA makes every effort to make sure everything is safe, you are in charge of your child's safety.

## **Motor Inspection:**

1. MWRA tech inspectors may do a motor “tear down” on any mini wedge he/she chooses at any MWRA event. Inspectors are not responsible for reassembling engines after inspection.
2. If the inspector rules that your motor or part of your motor is illegal, you will be disqualified. The inspectors decision is final.
3. 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.
4. Any participant, car and/or motor may be inspected anytime, at any track, regardless of their race results.
5. The tech inspector may tear down a motor as far as he/she deems necessary.

1st Offense: Disqualification from that race, thereby receiving no points. Suspended for the next two completed races.

2nd Offense: Disqualification from that race, thereby receiving no points. Suspended for the next four completed races.

3rd Offense: Disqualification from that race and banned for the remainder of the season.

In the event of a multiple race weekend at that track, the complete engine tear down will be performed after the last race of the weekend and may be held between race nights until teched. Engines may be confiscated to be torn down at a later time convenient to officials and car owners.

6. Any mini wedge refusing inspections will be automatically suspended from MWRA tracks for 1 year.

### **Protest procedure:**

Must see MWRA official before leaving the race track. Once I, the official, have left the trophy presentation, time has expired.

Each team may protest up to 2 times per season.

Must be in the same class as protested engine or car.

Cost is \$400 Must be Cash

Fee breakdown: \$100 tech fee

\$50 gas charge to deliver motor to tech

\$250

If motor is legal, this fee goes to driver

If motor is illegal, this fee goes in MWRA account

## **Conduct:**

1. Any driver who jumps the start, argues with others, fails to slow down after the checkered flag or under caution, Etc, or displays aggressive actions, on or off the track will initially be warned. Continued offenses could result in a loss of track points and/or a two race suspension.
2. Arguing about scoring or judgment calls will not be tolerated. Confrontations/arguments with MWRA officials, track officials, or another parent/driver can result in a minimum suspension of two weeks from all MWRA sanctioned tracks.
3. The scoring tower is off limits to drivers and anyone who is not a track staff member. Unauthorized entry into the scoring tower can result in a minimum suspension of two weeks from all MWRA sanctioned tracks.
4. 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 a 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.

## **Race Rules:**

Junior division class weight is 315 pounds.

Senior division class weight is 345 pounds.

Tyler County Speedway mandates that you use Race Receivers.

1. A parent, grandparent or legal guardian must accompany all drivers. Unless you are appointed his/her legal guardian, by law, you can't sign a release form for them. Therefore, they can not race. Any exception to this rule can't be made by a MWRA official and must be brought before the tracks management or tracks insurance carrier for a decision.
2. All cars will be lined up according to their pill draw. Failure to draw a pill before the lineup into the track officials will result in the driver starting at the tail of the heat.
3. You need to know when you will be racing. Allow plenty of time to prepare the driver (buckling up, suiting up, etc).
4. MWRA officials are not responsible for each driver and ensuring that they are prepared to race. Be prepared to race at a moments notice. Each team is expected to attend pre-race drivers meetings.
5. Track officials will make all scoring and judgment calls. Their decisions are final.
6. Age limit is 5-9 years in the junior class and 9-15 in the senior class.
7. At 9 years old, driver with 1 year prior wedge experience, can pick either junior or senior class. If a driver is a new rookie at age 9, they must race 1 year in the junior division.
8. You must provide a copy of your birth certificate before your first race at registration.
9. Age is determined at the beginning of the racing season.
10. 9 year old drivers will not be allowed to change divisions after their first race.
11. If a motor change is necessary after the heat race, you must tag tail in the feature race.
12. In cases where a kart is being driven by anyone other than the registered driver of that kart (substitute driver) points are given to the substitute driver. The substitutes drivers number must be placed on the kart that he/she is driving. They must also pay a membership fee.
13. All new drivers must know the flags and meanings and be able to control their car.

## **Roll Cage and Frame Rules:**

Most cars up to this point have been made of steel tubing known as electro-weld. For the most part these cars have stood up well, but as race teams progress on safety and performance the need for a better car construction has to progress as well. Any new construction of mini wedge must consist of at least DOM tubing. It has better strength yields and makes an all-around better car. The MWRA has heard many recommendations on this subject. All existing cars will be allowed to run until they are phased out. The MWRA will not be responsible for any accidents, injuries or death.

## **Roll cage construction:**

1. All roll cages are to be made of steel tubing no less than 1" diameter, consist of proper welds and notches where the tubes are joined.
2. All cars must have a 6 point roll cage made of at least .065" DOM steel tubing built within the following guidelines.
3. Roll cages must have a vertical upright on both sides of the driver welded to the main frame on the bottom and welded to the top roll bars on the top or main loop going around the driver welded to the main frame at the bottom and welded in at the top. Both ways must run at the same angle as the back of the seat.
4. A horizontal bar must be welded at both ends between the seat verticals behind the seat and be placed about half way between the main frame and the top of the cage. At least one diagonal bar must also be welded at both ends and brace the seat verticals to the horizontal bar behind the seat.
5. At least a 15" square opening must be over the driver within the roll cage.
6. Roll cage must have a rear down tube on both sides welded to the roll cage on one end at least 50% up from the bottom frame and attached to the main frame near the back axle on the opposite end.
7. Roll cage must have 2 forward down tubes that attach to the main frame.

8. Roll cage must have a horizontal dash bar welded to both front down tubes and weld on each end to the side crash bars.
9. Side crash bars must span from the center of the front wheel to the center of the rear wheel and stay inside the body. Side crash bars must also weld to the main frame or roll cage in at least 4 places. At least 1 of the 4 weld points must be a door bar that welds to the crash bar on one end and to the main frame on the other end placed beside the drivers seat on each side.
10. All cars must have 4. 5/16" minimum vertical metal bars spaced evenly across the openings between the front down tubes attached to the front down tubes securely, by weld or bolts with lock nuts.

### **Main Frame Construction:**

1. Wheelbase 45" to 51" Maximum width (outside tires) 42"
2. Main frame must be made of 1" steel tubing .083" minimum
3. All main frame tubing must be inside the body, this does not include the upper half of the roll cage.
4. No part of the chassis will have a tube protruding beyond 2" measured from the closest weld joint anywhere on the chassis.
5. All cars must have a nerf bar or other adequate side protection made 3/4" tubing .083" min or 1" .065 min on each side. Same dimensions for mandatory front and rear bumpers. All nerfs and bumpers must be perpendicular to the ground, or no leaning forward or back and each must have at least a 6" tall loop welded to them 18" long, either bolted or welded to the main frame. No straight pieces of tubing protruding from any part of the bumpers.
6. Engine must be mounted behind the seat, no part of the engine can be beside the seat.
7. Control pedals must stay behind the front down tubes and securely mounted to the frame or skid plate. No duct tape, zip ties, or hose clamps allowed in the construction of the pedals. Any pedal extension must be solid metal construction.
8. Seat mounts must be made from tubing or 3/16" plate welded to the main frame or roll cage, 4 mounting points on the seat.
9. Lead ballast weight must be bolted to the main frame or the seat securely with lock nuts and bolts. No tape, zip ties, bungees, hose clamps, etc. They need to be painted white with the car number written permanently on the lead. NO more than 5lbs. In a single location with a minimum of one 3/8" grade 8 bolt per 5lbs.
10. Cars must use an aluminum style, high back seat, with padding mandatory. A structural head restraint bolted or welded to right side of the seat is required and must include plate aluminum, or tubing welded to the head restraint to prevent being bent. Full containment seats include a head restraint and will be accepted.
11. Car must use a one piece rear axle 1.25" diameter recommended aluminum or steel and must use snap rings on each end, No one wheel spin hub designs or ratcheting wheel hubs allowed.
12. Cars must use a one piece rear axle that bolts directly to the main frame, like what is used on modern racing flat karts.
13. A single non adjustable, non-rebuild able, steel body shock and single spring may be used on the rear. Rear down tubes must still be present.
14. Cars must maintain a 2" ground clearance.
15. Tires: Any compound, any brand slick is permitted.  
Tire max size 11x6x6, tires must remain inside the body, no exceptions. Wheels no wider than 6 1/2" will be allowed, (outside of the rim measures 7").

### **Driver Personal Safety:**

1. All drivers must wear an approved SFI-1 certified or SFI 3.2A/1 fire suit. A certification patch is required on the fire suit.
2. A full face Snell 2010 rated helmet or newer will be mandatory at all tracks and at all MWRA events. No motocross type helmets with goggles and mouth guard will be allowed.
3. All drivers must wear a neck brace. Haans or NecksGen device is highly recommended!
4. All drivers must wear arm restraints. Arm restraints are to be worn between the elbow and wrist area.
5. MWRA strongly recommends the use of fire resistant underwear.

6. Triangle A-nets are required on each side of the driver.
7. Gloves must be worn at all times while driving.
8. Full set of racing seat belts and mounted to frame and not floor mandatory. No seat belts older than 2 years!

### **Body Rules and Guidelines:**

1. Body must be constructed of .040" aluminum with no sharp or jagged edges.
2. Rear deck height must not exceed 24" from the ground and be at least 20" from the ground.
3. Sail panels and spoilers are allowed.
4. Must be 4" of body behind the rear wheels secured by a flexible strap, plastic recommended. This section may be made of plastic like the rear flexible strap to help prevent tire damage.
5. Race plastic may be used for the nose and trim.
6. Body must fully enclose the wheels.
7. Body work must not cover engine area.
8. Must be at least 4" aluminum deck lid strip across the back.
9. Body must cover side crash bars and side nerf bars, but not the front or rear bumpers.
10. Tires must remain inside the body.
11. 48" max body width. 90" max body length.
12. Driver must not be exposed to the track on either side or be able to get their feet tangled around the wheels. Car must have a skid plate that starts beyond the front pedals and continues the length of the car to at least the front of the seat made of at least .063" aluminum and bolted, not riveted, with lock nuts to the frame. Lead weight is not to be mounted to the skid plate. Aluminum weight clamps are allowed.