

**WEDGE RACING
ASSOCIATION
2025
RULES & REGULATIONS**

Rules may be changed or amended by WRA, when deemed necessary.

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 WRA 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. WRA 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 us desire to
excel in 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 quality time together, at or away
from the racetrack.

2025 RULES & REGULATIONS

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The WRA 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.

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

Membership in the WRA shall be \$25.00 per year. Membership is also required at all the
WRA tracks. Membership applications can be obtained by contacting Melva Pickens at (304) 615-2224.

Section 1-Car

A. Wheelbase 45" to 49". Maximum width of the outside of the tire is 49". Minimum ground clearance. This will be strictly followed and teched.
Clearance is 2". There are to be no roofs on the karts.

- B. 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 .083" X 1" steel tubing welded to the frame.
- C. The engine must be behind the driver's seat.
- D. Floor pans are required to be made of steel or minimum .063" aluminum. The floor pans are to be securely bolted (no pop rivets) to the frame and must cover from the seat 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 a 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 drawings.)
- There must be a 4" of decking running from the front to the rear on both sides of the kart.
 - Tires cannot protrude more than 1" from the body.
- F. Tires can either be Hoosier or Burris. Hoosier parts #15300(33.0/45X6D20 compound) or Hoosier part #11300(10.5X4.5-6D20A compound.) or Hoosier part #11325 (10.5X5.0X6 D20A compound). Burris (5.0/11-6"SS-22.) No grooving or slicing of the tires. Rims no wider than 6 ½". Also Hoosier D-20 11x6x6 or Burris 11x6x6 /SS 22.
- G. If the size and compound cannot be read on the side walls of the tires, then there will be considered illegal and will not be allowed to run. They have to be factory stamped.
- H. No suspension allowed no springs, shocks, rubbers, or torsion bars. The use of ratchet hubs is strictly forbidden.
- I. Rear deck height maximum 24" high from the ground minimum 20" high from ground plus or minus 1".
- J. Body must be constructed of .040" aluminum. Plastic may be used for nose and trim. Fuel tanks must be securely mounted in the car inside of the body, where only the fuel cap can be visible to ease in the fueling process. Composite sides are allowed.
- K. Kart must weigh at least 345lbs.
- L. No side panels.
- M. Any chassis bars above 3" from ground cannot have more than 2" protruding ends. This includes body brackets and supports. Measurement will be made from the closet weld joint. Rear bumpers MUST extend to within 1" from the front of the body and be completely rounded. Front and rear bumpers must be at least 7" tall. Also, the front bumper cannot be hidden by the body and must protrude out. The front bumper must be as wide as the main frame rails.
- N. Side crash bars must be flush with the outside of front and rear wheels plus or minus ½"
- O. Side crash bars must run lengthwise from at least center of the front wheel hub to center of the rear wheel hub.
- P. Side crash bars must be at least 1" round or square tubing.
- Q. Side crash bars must be welded to the main frame in no less than 4 places with at least ¾"X.083" wall tubing. Dash bar must be welded to the front down tubes and the side Crash bars. NO FLOATING BARS ALLOWED. All bars except the side and front and rear nerf bars have to be welded. (No slip joints or floating bars)
- R. At least one vertical door bar must be welded on each side of driver running from main Rail to side crash bars for driver protection. Must be ¾"X.083" wall.
- S. Front and rear bumpers must be at least ¾"X.083" wall tubing.
- T. There is to be no tape, padding, or any other item covering any bar. If you have a mounting bracket on your car it has to be used to mount something. (WRA reserves the right to have a competitor remove a mount to inspect the frame.)
- U. Bottom of control pedals must be connected to the frame behind the front down tubes or to the floor pan.
- V. Front and rear down tubes are mandatory. Transponders are to be mounted on the right rear down tube. NO Exceptions. Transponders are mandatory. If you do not have one, then you will not race!
- W. All tubing on main roll cage including side crash bars and bumpers must be .083" wall minimum.
- X. Vertical support posts must run from main frame rail to top of the 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 driver's shoulder and run near parallel with the back of the seat.
- With the child seating in the seat, the top of the helmet must be at least 1" below the roll cage.

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

Z. All cars must have a horizontal cross bar behind the seat, positioned about halfway 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.

AA. 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.

BB. Aluminum racing style, high back, and padded seats are mandatory on all mini-wedge cars.

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

DD. Brakes must be in proper adjustment and in safe working order.

EE. 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 top left rear corner of the roll cage.

FF. No kill buttons. All kill switches must be on an ON/OFF type switch. ALL KILL SWITCHES MUST WORK. Both of the kill switches MUST be labeled ON/OFF. Kill switches don't work you don't race. This is from first race to last race. NO EXCEPTIONS!!!!

GG. All cars must have a chain guard.

HH. All cars must weigh a minimum of 345 pounds with driver and safety equipment. Cars may be weighed at anytime. Each track may use its own method of weighing cars.

II. Any weight added to the car MUST be bolted or welded to the frame. Approved weight Clamps may be used. Minimum of two 5/16" bolts double-nutted. Only 10lbs. of weight per bolting location. NO hose clamp, 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.

JJ. All framework except upper roll cage, MUST be within the bodylines of the car. NO exposed side crash or side nerf bars.

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

JJ. 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 3 years old according to the manufacturer's date tag. The seat belts must run through the factory holes in the seat.

KK. 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 $\frac{1}{4}$ midgets.

LL. 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 $\frac{1}{2}$ " of 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.

MM. A bar made of $\frac{3}{4}$ " or larger must be installed behind the headrest of the driver's seat running diagonally from 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.

NN. 12" minimum distance from the rear bumper to the gas motor.

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

PP. No heim joints, slip joints, torsion bars, spring, etc. shall be used in construction of the main frame. The use of solid axles is strictly forbidden.

QQ. 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 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.

RR. All cars must run front, rear, and side nerf bars. Nerf bars must Be made of at least $\frac{3}{4}$ " round tubing either bolted or welded to the main frame. All Nerf bars must be at least 6" tall and 18" long.

SS. Side nerf bars must run flush with the side crash bars.

TT. Front and rear nerf bars must be welded to the bumpers on the outmost edge and stand

90 degrees to the ground, they cannot lean out or back

Section 2- Engine

A. Power must be transmitted by a centrifugal type clutch. No direct drive or push Start cars allowed. No belt drives.

We will be following the 2025 Ohio Valley Speedway motor rules!
Ohio Valley Speedway MINI WEDGE RULES

YOUNG GUNS

- 1.ENGINES HAS TO BE A PREDATOR 212 (HEMI OR NON HEMI)
2. NO MORE THAN 4800 RPM CHECKED ON STAND
- 3.BOX STOCK NO AFTERMARKET PARTS ALLOWED
4. MAY REMOVE FUEL TANK AND USE RELOCATED TANK AND PUMP
- 5.HAVE TO HAVE THROTTLE HOOK UP TO FACTORY LINKAGE
- 6.NO BYPASSING OF THE GOVERNOR
- 7.GOVERNOR MUST OPERATE AND PULSE
- 8.MAY DISCONNECT LOW OIL SENSOR
- 9.OPEN CLUTCH DRUM OR DISC
- 10.ANY GEAR AND DRIVER ON CLUTCH
- 11.CHAIN GUARD MANDATORY
- 12.MAY ONLY PULSE FUEL PUMP OFF VALVE COVER
- 13.87 OCTANE FUEL ONLY
- 14.ANY SPARK PLUG CAN BE USED

VETERANS

- 1.ENGINES HAS TO BE A PREDATOR 212 (HEMI OR NON HEMI)
 2. NO MORE THAN 5500 RPM CHECKED ON STAND
 - 3.BOX STOCK NO AFTERMARKET PARTS ALLOWED
 4. MAY REMOVE FUEL TANK AND USE RELOCATED TANK AND PUMP
 - 5.HAVE TO HAVE THROTTLE HOOK UP TO FACTORY LINKAGE
 - 6.NO BYPASSING OF THE GOVERNOR
 - 7.GOVERNOR MUST OPERATE AND PULSE
 - 8.MAY DISCONNECT LOW OIL SENSOR
 - 9.OPEN CLUTCH DRUM OR DISC
 - 10.ANY GEAR AND DRIVER ON CLUTCH
 - 11.CHAIN GUARD MANDATORY
 - 12.MAY ONLY PULSE FUEL PUMP OFF VALVE COVER
 - 13.87 OCTANE FUEL ONLY
 - 14.ANY SPARK PLUG CAN BE USED
- IF ITS NOT LISTED IT CAN NOT BE DONE
BOX STOCK ONLY NO MODIFICATIONS

CLAIMER RULE- 175.00 CLAIM RULE ON ALL ENGINES. YOU GET ONLY THE ENGINE NO THROTTLE HOOK UP, CLUTCH, OR CHAIN GUARD.
TRACK HAS THE RIGHT TO CLAIM OR TECH ENGINE AT ANY TIME THEY FEEL IS NEEDED

IF RACER IS FOUND ILLEGAL OR DOES NOT ACCEPT CLAIM THEN THE PENALTY IS A CALENDAR YEAR SUSPENSION FROM THE TRACK.

IF MOTOR IS TECHED AND FOUND OUT OF SPECIFICATION THE ENGINE WILL BE CONFISCATED BY THE TRACK AND THE DRIVER SERVE A CALENDER-YEAR SUSPENSION

Track tach is the official tach and the only tach that we will base our ruling off of.

Section 3-Race Rules

- A. All drivers must be accompanied by a PARENT or LEGAL GUARDIAN. 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 a WRA official and must be brought before the track's management or track's 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 track officials. This will result in the driver starting at the tail of the heat.
- C. Mini-wedge drivers are only permitted to drive one kart each night. You cannot pull out backup karts.
- D. The use of radios/other electronic communication is strictly forbidden with the exception of raceceivers for the track crew to communicate to the drivers. Raceceivers are mandatory!!
- E. You need to know when you will be racing. Allow plenty of time to prepare the driver (buckling in, suiting up, etc.)
- F. WRA officials are not responsible for each driver and ensuring that they are prepared to race. BE prepared to race at a moment's notice!
- G. Mirrors/other glass instruments will not be permitted in the car. This serves as a safety precaution.
- H. Track officials in the scoring tower will make all scoring judgment calls. Their decisions are FINAL.
- I. Arguing about scoring or judgment calls will not be tolerated. Confrontations/arguments with WRA Officials, track officials, or another parent can result in a minimal suspension of 2 weeks from all WRA sanctioned tracks. Rain outs do not count.
- J. The scoring tower is off limits to drivers and anyone who is not a Track Staff member.
- K. Social media policy. The participant's guardians will be required to sign a zero tolerance policy that outlines any social media posting negatively about the track, calls, or series will result in a 2 week suspension.
- L. 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 (2) weeks from ALL WRA EVENTS AT ANT TRACK. Rain outs do not count.
- M. Age limit is 5 years through 14 years of age. You MUST provide a copy of your birth certificate before your 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 season, he/she may complete the racing season.)
- N. If a motor change is necessary after the heat race, you must "tag the tail" in the feature race.
- O. There will be NO WARNINGS given out for bad behavior such as:
 - NO throwing a fit on racetrack or pit area!
 - NO jumping on track officials, WRA officials, scorers, flagman, or track owner!
 - NO going to another pit to argue or fight this includes driver, crew, and anyone with cart! ALL DECISIONS ARE FINAL!!!
- P. If a parent\guardian, driver, or crew member is caught throwing property of the WRA, that kart will be subject to a calendar year long suspension.
- Q. NO sneaking in with out paying. If anyone gets caught not paying cart DOES NOT RACE!
- R. NO alcohol is permitted in WRA pits. Adults that are consuming alcohol will be asked to leave the WRA pit area IMMEDIATELY
 - 1st. offense-Adult will be asked to leave. Failure to leave pit area will result in one week suspension of cart/driver that adult is affiliated with.
 - 2nd offense-Suspension of cart/driver individual is affiliated with for remainder of season.

Section 4-Driver Personal Safety

- A. All drivers must wear an approved SFI-1 certified or SFI13-2A/1 fire suit. SFI certification patch shall be required on fire suit.
- B. A full face SA2010 rated helmet will be mandatory at all tracks and at all WRA events. No motocross type helmets with goggles and mouth guard will be allowed.
 - o The WRA reserves the right to reject a driver's helmet if it is deemed to be unsafe or has an improper fit.

o In 2017 it will be mandatory for all drivers to have a full-faced helmet that has the SA rating of 2010 or newer or has the SFI 24.1 patch. If the patch or sticker is not present, then the helmet will be deemed illegal.

C. All drivers must wear a neck brace. There is a 3 year limit on the neck brace. (The WRA reserves the right to deem a competitor's safety equipment to be unsafe no matter the age.)

D. All drivers must wear arm restraints. Arm restraints are to be worn between the elbow and wrist area.

E. WRA strongly recommends the use of fire resistant underwear.

F. A fire resistant racing shoe is mandatory.

G. Fireproof gloves are mandatory at all WRA 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 their ability, etc.) will not be permitted to participate in WRA races/events until a written medical release is received from the driver's physician.

I. The use of rollover valves are mandatory. NO Exceptions!

J. Must have # on nose piece upper right hand corner. Must run number plates-1 on right side down bar and 1 on back of cart on right hand corner. They have to be minimum of 7inch x 9inch made of plastic. Black # plate with white numbers or white # plate with black numbers.

Section 5-Tech Inspection

A. WRA officials will visually inspect cars.

B. WRA Tech inspectors may do a motor "tear down" on any cart he/she chooses at any WRA event. WRA officials will be trained to perform a complete motor tech. Inspectors are not responsible for reassembling engines or for parts 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 car or part of your 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 WRA 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 WRA tech gauges, not the racers 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. Rain outs do not count.

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 track or WRA 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 WRA track official or going to track promoters will result in the following:

The penalties below are for non-motor infractions since if the motor is found illegal or the team refuses tech or refuses to sell on the claim rule, then the driver and team are down for one calendar year.

- 1st Offense: Surrender of illegal parts for destruction. Loss of all points that night and 2 week suspension(14days/2 regular races) from all WRA tracks and events. Rain outs do not count.
- 2nd Offense: Immediate suspension for the remainder of the year from all WRA 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 WRA races and events.

N. Any car refusing inspections will be automatically suspended from specific track, that refusal occurred for the remainder of the season. And 2 weeks from other WRA tracks.

O. Once you move up and drive another class of race car, you cannot come back to mini-wedge class.

The WRA will run race receivers. The Top 5 will be weighed after the feature. In order to be weighed, the driver must stay in the kart during the weighing process. The track scales are the official scales.

All decisions are final and are made by the WRA committee

New Rules

- The neck brace cannot be over 3 years old.
- The WRA reserves the right to reject a driver's helmet if it is deemed to be unsafe or has an improper fit.
- There is to be no tape, padding, or any other item covering any bar. If you have a mounting bracket on your car it has to be used to mount something. (WRA reserves the right to have a competitor remove a mount to inspect the frame.)
- All bars except the side and front and rear nerf bars have to be welded. (No slip joints or floating bars)
- The use of solid axles is forbidden!
- Ratchet hubs are not allowed!
- This harness must have an SFI rated patch and a manufacturer's date tag and must be no more than 3 years old according to the manufacturer's date tag. The seat belts must run through the factory holes in the seat.
- We will follow the 2025 Ohio Valley Speedway motor rules.
- The rear bumper ends may not stick out more than two inches.
- Added was Hoosier D-20 11x6x6 or Burris 11x6x6 SS 22.
- Kill switches don't work you don't race. They must work from first race to last race. NO EXCEPTIONS.
- Wheel base will be strictly followed
- Axle has to be live at all time. (Both rear wheel have to spin together, one wheel cannot spin independently)
- WRA has the right to deem any part illegal.