



## 2019 ZOO STOCK RULES

**Green worded rules** are new or 2018 or earlier rules that will be more strongly enforced in 2019.

The Zoo Stock class is an entry level class for entry level drivers. The track retains the option of moving a driver up to the Outlaw FWDs if the driver's performance exceeds most of the other drivers in the class. Cheap cars. Great fun for the whole family. A top lap time of 16.850 has been established for the Zoo Stocks. Qualifying or racing below that time will result in being moved to the Outlaw FWD class. The time may be adjusted throughout the season to help maintain a level playing field in this entry level class. If a driver clocks a lap faster than the cap in qualifying or a heat race, the car and driver will be running in the Outlaw FWD class for the heat (when applicable) and/or feature. If a driver goes faster than the cap in the feature, the driver will be disqualified but will receive their start money. That's the rule: one lap speed under the cap and it's graduation to the Outlaw FWD class for the remainder of the season.



**PLEASE NOTE.** It is the driver's responsibility to look over and/or upgrade all personal safety equipment: a full containment seat, a head and neck restraint, a fuel cell with all of the proper check valves in place, a new fire suit including proper undergarments, gloves, socks and shoes that all meet the highest of safety ratings. It is highly recommended that all safety equipment meets the Snell 2015 rating and be SFI/I approved. Put Safety First.

The General Rules applicable to all classes follow at the end of the class specific rules.

### I. BODY.

- ✿ Four or six cylinder, front wheel drive, factory fuel injection, complete stock body and complete stock frame from front to rear. All exterior body panels will remain stock front to rear.
- ✿ No alterations will be made unless the rules expressly state alterations are permissible.
- ✿ No convertibles, 2 seat coupes, trucks or super or turbo charged cars are allowed.
- ✿ Drivers may secure bumpers to frame mounts with a maximum of 1/8" thick angle iron or flat stock. No heavy tubing or channel. Nothing over 1/8" thick and 4" tall. This is permissible to save teams time and the cost of purchasing OEM bumpers. Adding too much bumper support will result in the team cutting them off. Allowable is adding one piece of 1.75" x .090" (maximum size) tubing between frame horns (both front and rear) to provide a solid place to attach the chain/cable hook-up. Standard hardware cloth may be attached in front of the radiator, but no expanded steel or equivalent is allowed.
- ✿ Both front and rear bumpers must be strapped or chained to the frame to prevent dragging. When removing the vinyl covering on the dashboard, the "ugly stuff" may be covered up with a piece of aluminum or sheet metal. Rub rails are allowable when securely mounted with carriage bolts and smooth ends.
- ✿ Any patch work on the exterior of the car will have steel or aluminum patches. All sheet metal will be riveted or welded; no sheet metal or self-tapping screws.

### 2. ENGINES, FUEL TANKS AND EXHAUST.

- ✿ Unaltered stock ECM computers. No aftermarket computer chips.
- ✿ Cars will use OEM transmissions & engines that match the make of the car (i.e., Chevy to Chevy; Ford to Ford; Honda to Honda, etc.)
- ✿ All cars must start with the stock ignition key or a simple push button/toggle switch. All of the stock wiring to the car will remain intact. Engines and transmissions are to remain stock.

- ✿ A stock style exhaust system complete with a muffler that exits behind the driver's seat is mandatory. 2" maximum exhaust tubing; catalytic converter not needed.

**3. GAS TANKS AND BATTERIES.** A racing fuel cell or a stock gas tank in good condition and in its stock location is required. Double check the gas lines and the tank straps, replace them if they are worn. All cars must have a shut off switch next to driver window which can easily be reached from the outside of the car.

#### **4. COCKPIT.**

- ✿ There will be no gutting or stripping of any metal inner body panels unless the roll cage bars go all the way out to the door skin. Minor gutting of the non-cockpit body parts is allowable. For four-door cars, the driver's side window/door post between the front and back door may be removed for roll bar clearance and added room to exit and enter the car.

- ✿ The original windshield may remain as is; however, a full Lexan windshield is highly recommended. All other glass must be removed. All cars will run a full windshield.

#### **5. WHEELS/TIRES.**

- ✿ 7" wide wheels maximum. Safety wheels are allowed. Safety wheels must comply with measurements on drawing. **Dimensions A & B must be within 1" of each other.**

- ✿ All wheels and tires must be the same size.

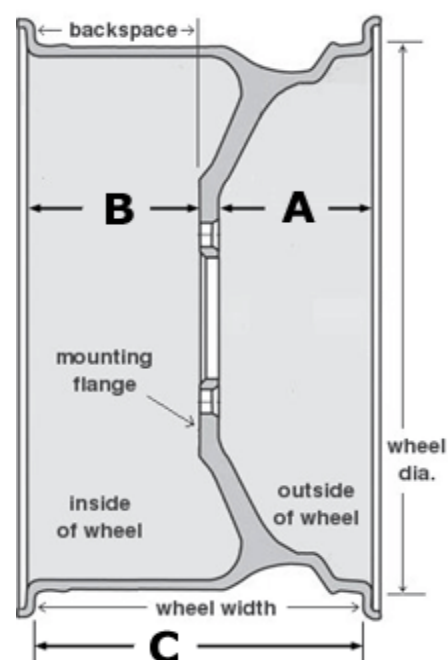
- ✿ 1" lug nut required when using safety wheels. Wheel studs must extend at least one thread beyond lug nut.

- ✿ All wheel weights must be removed from both the inside and outside of all wheels.

- ✿ No wheel spacers of any kind.

- ✿ Stock DOT tires only. Z rated, bias ply, trailer and recap tires are prohibited. Single ply sidewall DOT radial tires only. No Goodyear Triple Tread tires or high dollar equivalent tires will be allowed. Any 55, 60, 65, 70, 75 or 80 series radial tire 165-215. **Minimum tread wear rating of 300. Tread wear rating must be visible on outside of tire.** All 4 wheels must have the same size tire; no mixing of sizes. The track has the right to reject any tire.

**Safety Wheel Measurements**



#### **6. STEERING AND SUSPENSION.**

- ✿ All steering and suspension will remain stock with no modifications, front to rear and side-to-side. No more than 1/2" of camber on the rear tires (measured with a 24" carpenter's square).

- ✿ The wheelbase will remain within 1/4" side to side (rear steer).

- ✿ Drivers may have a quick release steering wheel for safety. The complete stock steering assembly must remain.

- ✿ Brake and gas pedals will remain stock. A toe clip on the gas pedal is highly recommended.

- ✿ Struts may be taken off for inspection at any time during the event. No cutting, shortening, heating or stretching of the springs. Springs and struts must be stock for the car's make, model and year. All cars must bounce freely up and down.

- ✿ All cars will be checked for locked front axles. With one side of the car jacked up, either tire must spin freely when the opposite tire is on the ground.

#### **7. SAFETY.**

- ✿ Although drivers are strongly encouraged to build and work on their own cars, if the team has little or no experience putting in a safe roll cage, contact a good welder to assist with installing a quality roll cage, racing seat, 5 point safety belts and window net mounts.
- ✿ All Zoo Stocks will have a minimum of a 4 post roll cage. The minimum round or square tubing size is 1.5" x .095" thick; no exhaust tubing or old rusty well pipe allowed.
- ✿ The rollover bar will be behind the driver's head, with the upper halo section constructed to give the driver plenty of head clearance and protection to provide safety in the event of a rollover.
- ✿ All cars will have a minimum of 3 driver's side door bars, as well as a single or an X door bar on the passenger side.
- ✿ A minimum 30" wide by 12" tall by 1/8" thick driver's side doorplate is required on all cars. No removal of any interior door panels except for door bar clearance.
- ✿ All doors must be bolted, welded or chained shut.
- ✿ When using a stock seat, make sure the seat tracks are solidly bolted or welded.
- ✿ The back of the seat must be secured to the horizontal back bar of the roll cage. An aluminum racing seat is highly recommended.
- ✿ Rear bars will be a maximum of 1.75" round or square tubing. The rear support bars may extend rearward from the top of the cage behind the driver, angling down to the rear of the trunk area.
- ✿ Two bars may extend back from the middle section of the back hoop rearward. No bars may extend through the rear of the trunk area. Drivers may have an X between the two rear diagonal bars. The rear strut towers may be supported with the back bars to help keep strut towers in place. Bars are allowed to extend through the front firewall for added leg protection for the driver. These bars may attach to the strut towers, but may not go any further forward. Front hoops are allowed for safety. 1.5" round tubing maximum. No heavy square tubing or channel.
- ✿ Radiator support may be built rather than using the stock core support.
- ✿ Stock bumpers and all front OEM sheet metal are required.
- ✿ All mirrors, upholstery, insulation inside and under the hood, carpet, tail lights and headlights, all loose trim on the exterior of the body, trailer hitches, and aftermarket add-ons must be removed from the car. Any combustible material in the driver's cockpit area must be removed.
- ✿ The original hood and trunk latches must be removed and replaced with a quick release hood pin system. Any hatchback may be removed entirely or must be solidly welded or bolted shut.
- ✿ All holes in the floorboard and front firewall must be covered securely with sheet metal. All sheet metal will be riveted or welded; no sheet metal or self-tapping screws.
- ✿ Carefully vacuum all loose glass or material from the interior of the body panels. All loose rust flakes or trim must be removed from cars. Use a sledgehammer on bumpers to knock off the loose material from the undercarriage.
- ✿ The cockpit and trunk areas must be clean and vacuumed before a car is allowed on the track.

Please send your tech questions or concerns to [gary@kalamazoospeedway.com](mailto:gary@kalamazoospeedway.com) and it will be forwarded to the applicable personnel for response.



## GENERAL RULES

### I. SAFETY

- A. It is the driver's responsibility to look over and upgrade all personal safety equipment: a full containment seat, a head and neck restraint, a fuel cell with all of the proper check valves in place, an up-to-date fire suit including proper undergarments, gloves, socks and shoes that are SFI/I approved and Snell 2015 rated are highly recommended. All cars will be equipped with a minimum 5-point seat belt harness with 3" wide belts. All belts should be properly mounted and should be no older than 3 years.
- B. A taunt driver's side window net with quick release is required.
- C. Driver must be able to enter/exit both doors through window openings.
- D. Rear windows must be completely see through (no decals or lettering).
- E. An approved headrest will be located directly behind the driver's head with the driver normally seated.
- F. All roll bars near driver must be well padded.
- G. All foot boxes and firewalls (if applicable) must be steel, recommended 22 gauge minimum.
- H. All cars will have jack stands in use when anyone is working under a car.

## II. RACE RULES

- A. Noise Abatement. There is a 100 decibel noise limit on all cars. NO EXCEPTIONS. All cars in all classes will have working mufflers with exhaust exiting below the car; no exhaust running out the side of the car.
- B. RACEceivers. Required for all cars in the five weekly classes. Any car found racing without a RACEceiver will be black flagged and will be done competing in that event.
- C. Transponders. Must be properly attached to all cars while on the track. Cars without a transponder will be black flagged and will not be allowed back on the track until the transponder is in place.
- D. Traction Control and Tire Tampering. Traction control devices and tire soaking/tampering are illegal at Kalamazoo Speedway. Penalties for these infractions will be loss of prize money for the event, loss of all points accumulated for the season, and up to a one year suspension from participating at the track.
- E. Specifications.
  1. All fuel cells in all classes will be 8" off the ground or be 100% above the frame rails. There are no exceptions. All fuel cell caps shall have the car's number on them.
  2. No mirrors of any kind.
  3. Lead ballast will be painted white with the car number on each piece. No cement, mercury, or liquid style weight is allowed. All weight will be securely bolted to the car.
  4. Drive shaft hoop required on the forward half of the drive shaft. Drive shaft must be painted either silver or white.
  5. All cars must be equipped with a working starter.
  6. The battery must be located behind the driver's seat. It must be securely mounted and covered.
  7. No clip-on wheel weights of any kind; all wheel weights must be removed.
  8. Any rub rail will have all sharp edges removed or mitered back and shall be attached with smooth fastener heads.
  9. No antifreeze in radiators. Environmentally friendly coolant or lubricant, such as Water Wetter is allowed.
- F. Rookie of the Year. To be eligible for Rookie of the Year in any class, a driver cannot have competed in the class for more than 6 events per season over the past 5 seasons.
- G. Radios/Electronic Communication Devices. No electronic communication devices are permitted in the car or anywhere on the driver.
- H. Entering the Track. Cars may only enter the track from the front stretch as directed by the pit steward.
- I. Accidents During a Race. If a car is involved in an accident and can no longer keep going and no extenuating circumstances exist such as smoke or fire in the cockpit, the driver must not loosen any personal safety equipment or exit the vehicle until directed to do so by safety personnel or a track official. Under no circumstance will a driver get out of their car to run down on the track to send hand gestures or throw anything at another car or person.
- J. Racing Surface Restrictions. At no time shall any non-competing member, crew member, owner or other person associated with a race car be permitted on the racing surface following the start of a race and

prior to the completion of a race without the express permission of a track official. Violation may result in the car being placed at the rear of the field or disqualification. This rule is in place for crew members' safety. During a red flag or lengthy caution period, one crew member may be allowed on the track at the sole discretion of track officials.

- K. Break Out Rule. Break out times will be set prior to qualifying and typically be between two- and five-tenths of a second. If during any race a driver runs two laps under their break out time, the driver will be black flagged. If this occurs in a heat race, the driver is done for that race and the time will be reset for the feature. A driver will never be moved into the inversion; however, so the best possible starting position would be one position outside of the inversion. If this happens in a feature or last chance race, the driver must exit the track into the main infield off the backstretch and slowly drive up the make ready chute. The driver must stop until an official releases the car to rejoin the race at the tail of the field. At that point a driver is exempt from breaking out again. If any driver chooses to start at the tail of the race behind the fastest car, that driver would be exempt from breaking out.
- L. Driver and Car Changes. Driver and car changes are permitted only prior to the official start of a race. The official start of a race is when the field enters the track and goes on the front stretch. When determining the official start, one lap does not have to be completed. However, scoring for position does not begin until one green flag lap has been completed. All cars will need to enter the track under their own power to get start money and points. After that point, no change of drivers is permitted. Any drivers making a change will go to the tail of the field in the lesser race for which the driver/car combination is qualified (e.g., if the driver is qualified for the A Feature and the car is qualified for the Last Chance, the car with the new driver will start tail of the Last Chance). Points earned will be awarded to the driver starting the race. If a driver wishes to change cars prior to the event start, only the driver or crew chief is allowed to inform the race director in the pit tower of the change prior to the start of the race. If this does not occur, the driver will forfeit all points and earnings for that event. NO EXCEPTIONS.
- M. Initial Lap of a Race.
  - 1. To reduce reckless driving on the first lap of a race, if there is an obvious car/driver(s) that is the cause of the yellow flag, that car/driver(s) may be sent to the rear of the field.
  - 2. On a yellow or red flag that happens at the start of a race, any car(s) that enter the pits will go to the tail of the field, even though a full lap has not been completed. On a red flag, a driver may exit their car to check their car over; adjustments are limited to those made by the driver without any tools or assistance from anyone in the infield. The driver must be back in their car ready to go when the yellow flag comes out. Violation will result in the car being placed at the tail of the field.
- N. Group Qualifying.
  - 1. The Speedway uses group qualifying for all weekly classes. A maximum of 10 cars will be on the track at a time to permit drivers ample space to run hot laps.
  - 2. Any driver may only qualify one car per class. No car will be qualified by more than one driver in any class. A completed qualifying session for any driver is when the driver takes the green flag and completes one of their qualifying laps. After this point, the driver is eligible to make a driver/car change per the rules, but cannot jump in another car to requalify for that event.
- O. Changes Impacting Tech. Drivers are responsible for notifying the head tech official immediately if something is changed on the car that would put the car in a different weight category. Drivers caught under this scenario in any type of post-race tech, may lose earnings and points for the entire event. This same penalty applies to anyone changing something on their car after going through tech (changing carbs, raising spoiler height, etc.).
- P. Drivers/Cars Not Qualifying. Generally, if any driver/car does not qualify they may start at the tail of the feature, unless there are enough cars for a last chance race, then the driver would start at the tail of the last chance. The driver will start on the tail of the fast heat as well. Final placement; however, will be at the sole discretion of track officials.
- Q. Time Limits. Every race (with the exception of the main event for the program) will have a time limit of one minute per lap; however, no race will be called official before reaching the halfway point. If a race has reached its time limit and half of the race or more has been completed the next caution will end the race.

Final scoring will revert back to the last completed lap with the caution car(s) being moved to the tail of their lap. If the caution is out when the time limit is reached and half of the race or more has been completed then there will be one more attempt to complete the race; the next caution will end the race if it comes before the scheduled distance.

- R. Program Cancellations. In the event that weather or some other factor causes the program to be cancelled the following apply.
1. Any race underway will be considered complete and official if it has reached the halfway point.
  2. Points will be given for all completed events. For example, if qualifying was complete, 2 classes had run their heats and the third class had run one of their two heats then complete points would be given for qualifying and the heat race points for the classes that completed their heat races. Heat points would not be given for the class that only completed one of their two heats.
- S. Line-Ups. If a driver refuses the official's order to take a certain position on the track (i.e., go to the tail of the field, drop back in the field, etc.), resulting in a delay of the race, s/he may be black flagged. If the actions by the driver continue to be inappropriate as seen by the race officials, that driver may lose their points and earnings for that event, as well as face a possible suspension from future racing events. If a driver fails to follow instructions to advance in the line-up following a caution, the race will return to green with the driver in the more rearward position.
- T. Restarts.
1. For any lineups during the race, officials will line up cars based on the computer scoring of the cars from the most recent completed lap, unless any obvious exceptions occur (transponder didn't pick up, etc.). The car(s) causing the caution flag will be put to the tail. On the last lap and ONLY for the victory, officials will use all necessary means (scoring system, videos, photos, etc.) to determine the winner.
  2. There is a start/restart box located in turn 4. On any start/double file restart the front row cars must be side by side when they get to the box. At that time the leader (control car) may decide to start at any time before the end of the box. If the leader gets to the end of the box and has not accelerated, the flagman will throw the green at that time. The same rules apply to single file starts, with the obvious exception being that the top two cars will not be side by side. If a driver fails to adhere to the start box rules they may be placed at the tail of the field.
  3. For all Outlaw Super Late Model features and for other specifically designated events, restarts will be double file. The leader will choose their lane and the second place car will fill the other position on the front row. Starting with 3rd place on back odd numbered positions will line up on the inside and even numbered positions will line up on the outside. In the event there is a car being sent to the tail, a lucky dog and a car coming out of the pits, they will be lined up in that order. All cars on the lead lap will restart ahead of all lapped cars, provided they are on the track when the double up is called for by the race director. Lapped cars will line up behind the lead lap cars in the order they were running on the racetrack at the time of the caution, not necessarily in the order they were running in the race.
- U. Lucky Dog Free Pass. When the double file restart is implemented, the Lucky Dog Free Pass (Pass) will be used as well. The top running eligible lapped car at each caution will receive the Pass. A car is not eligible to receive the Lucky Dog Free Pass when, in judgment of the officials:
1. The car caused the caution;
  2. The car was in the pit area when the caution came out; or,
  3. The car has been penalized with a discretionary call. In the case of a discretionary penalty, it will be made known to the competitor, at the time the discretionary penalty is imposed, that the car will not be eligible to receive the Pass to make up the penalized lap(s). Transferring the Pass will only occur when the first eligible car becomes ineligible to receive the Pass because of a discretionary penalty, because the car pitted under the caution or because the first eligible car is not in competition at the time the yellow flag is displayed. Then the Pass will be transferred to the next eligible car. There will not be a lucky dog on a false start.
- V. Caution Following Checkered. In the event that one or more cars cross the finish line and receive the checkered flag and then a caution comes out, the race will be considered complete. The race will then be scored as follows:

1. The cars that have crossed the finish line and received the checkered flag will be scored in the order they crossed the line;
2. The cars that did not cross the line before the caution lights came on will revert back to the last completed lap for their scoring (provided they cross the line under caution and take the checkered flag) with the exception of the car(s) that caused the caution and/or any car that did not maintain a reasonable speed on the last lap.
3. Car(s) directly involved in the caution will be placed on the tail of the lap they were running.

W. Scoring of Ties.

1. Ties in qualifying will be broken as follows:
  - a. Driver with the highest 2019 driver point standings (except on opening night, where a tie will be broken by the 2018 driver point standings).
  - b. Coin flip (2 drivers) or a blind draw (3 or more drivers).
2. Ties in the point standings will be broken as follows:
  - a. Number of feature wins, 2nd place finishes, etc.
  - b. Number of qualifying 1st places, 2nd places, etc.
  - c. Number of heat race wins, 2nd place finishes, etc.
  - d. Coin flip (2 drivers) or blind draw (3 or more drivers).

### III. DRIVER/CREW CONDUCT AND CONDITIONS

- A. All drivers must be at least 14 years of age with a valid driver's license, ID or birth certificate and have a minor participant form notarized and signed by a parent or legal guardian.
- B. No alcoholic beverages, marijuana or controlled substances are to be consumed before or during races by anyone entering the pit area.
- C. Kalamazoo Speedway officials reserve the right to not allow the entry of any person, driver, or car into the pit area.
- D. General misconduct in the pit area may result in penalties, suspensions, fines, or the matters may be turned over to the proper authorities for legal action.
- E. Rule changes or interpretation of rules is at the discretion of track officials.
- F. The decision of track officials is final.
- G. The driver assumes responsibility for the actions of his or her pit crew. Drivers may be issued penalties for pit crew misconduct. Such penalties, if applied, may extend to both the car as well as the driver.
- H. All drivers and teams are expected to act professionally and courteously while at the track as well as on non-race days during the season. Speedway officials ask that drivers and teams be fair and considerate on social media to all involved parties of any racing or other incident. Drivers are the stars of the Kalamazoo Speedway and ultimately will be looked to as the voice of reason to the thousands of followers, many of whom are children. The use of improper language or gestures as well as negative social media postings may result in suspensions from participating at Kalamazoo Speedway.
- I. Physical or verbal abuse and/or use of improper gestures directed at any Kalamazoo Speedway official, other competitor or fans is prohibited and subject to suspension, loss of points and earnings for that event.
- J. Unsportsmanlike driving, rough driving, swerving and/or unnecessary bumping during a racing event, a caution flag or after the checkered flag has been displayed is prohibited and may result in removal from a race, loss of points and/or earnings. Flagrant and/or repeated unsportsmanlike conduct on the track or in the pits may result in suspension. This suspension may span the off season and be completed in the following season.
- K. Fighting in the pits or on the racetrack premises at any time is prohibited and the participants involved may be subject to suspension, loss of points or earnings for that event. Suspensions will be strictly enforced for fighting or any other acts the management of Kalamazoo Speedway deems inappropriate. When situations warrant, matters will be handed over to the Kalamazoo County Sheriff's Department, to be prosecuted to the fullest extent of the law.
- L. Kalamazoo Speedway reserves the right to deduct from a driver's earnings any fees owed to the track for any safety systems, pit stalls, track rentals, tires, race fuel, etc.

- M. Kalamazoo Speedway officials reserve the right to request a doctor's release at any time, for a driver to participate at Kalamazoo Speedway.
- N. Drivers are expected to remain current on rules and/or policies which may change over the course of a season. Changes will, minimally, be posted on the Speedway website and at the venue.

**RULE BOOK 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 EXPRESS OR IMPLIED WARRANTY OF SAFETY SHALL RESULT FROM PUBLICATIONS OF OR COMPLIANCE WITH THESE RULES AND/OR REGULATIONS.** They are intended as a guide for the conduct of the sport and are in no way a guarantee against injury to or death of a participant, spectator, or official. The race director or his representatives shall be empowered to permit minor deviation from any of the specifications herein or impose any further restrictions that in his or her opinion do not alter the minimum acceptable requirements. **NO EXPRESSED OR IMPLIED WARRANTY OF SAFETY SHALL RESULT FROM SUCH ALTERATION OF SPECIFICATIONS.** Any interpretation of or deviation from these rules is left to the discretion of the officials. **PLEASE UNDERSTAND THIS SPORT IS DANGEROUS.**

Drivers Signature \_\_\_\_\_ Date \_\_\_\_\_

Drivers Printed Name \_\_\_\_\_