

2020 HARDBODY RULES

Everyone can participate in this series. Race participation in at least 4 series races per season grants you membership and a voice in how the series operates. Your voice can be used in the form of written proposals; these proposals will be voted on by the membership at the end of each race season.

All rules listed here are subject to the spirit of intent. The tech director has the final say, but may address issues with a member present vote when an issue comes up.

In addition to tech at sign in before a race, post tech will be performed at races. Top three finishers of the main will go through a body off tech.

Race participants must marshal in order to be awarded points in series racing. Failure to marshal or provide a substitute marshal will result in a forfeit of points and race position(s) for that day.

RACE EVENT TRACK FEES:

Track time for the event, including tune up and racing are paid direct to the track

RACE FORMAT

A race consists of eight (8) heat races. Heat races will have your initial random placement on the track with progression for each subsequent heat following the sequence 1 (red), 3 (green), 5 (blue), 7 (purple), 8 (black), 6 (yellow), 4 (orange), 2 (white). The appropriate lane sticker must be applied to the hood of your car for your lane in each heat. Each heat will consist of a 2 minute timed clock. A 1.5 minute intermission will occur between heats. Race winning places will be determined by the total number of laps accumulated by the TrackMate scoring system at the end of the race.

TIRE CLEANING, GLUING, OIL & BRAID JUICE

- Tire cleaning & gluing will be allowed during the race(s).
- The cleaning fluid is to be applied to the tires either directly or by using a rag. Glue boards may be used.
- Any transfer of cleaning fluid or glue to the track will result in disqualification.
- Other cleaners/tire treatments are allowed prior to tech and during practice as long as they do not interfere or change the racing surface.
- Any other fluids IE: braid juice, oil, etc. found to be used in excessive amounts and affecting the racing surface will result in the driver's disqualification. Braid juice is to be applied directly to the braids of the car only. No braid juice is to be added to the track braid at any time.
- The track surface and braid may not be altered by a racer at any time during practice sessions, or in the race.

BLACK FLAG

- Black Flag will be issued for any car or driver interfering with the outcome of a race. If a car is damaged and will not stay in the slot it will be black flagged immediately.
- Any car black flagged must be removed from the race and repaired before returning to the race. Drivers intentionally causing problems for other drivers will be black flagged and may also result in additional penalties and disqualification.

TRACK CALLS

- Track Calls are only for cars that cannot be reached by the marshals. Straightaway, High Bank, Infield. Cars under the track are legitimate track calls. Riders are track calls.
- Marshals may call track if they cannot reach a car. Under the bridge is not a track call unless the marshals cannot reach the car(s) under the bridge.
- Specific track calls will be discussed prior to each race meet.

LANE CHANGE CARDS

Lane Change Cards are to be used during the lane changes during the races. Any racer found to not be using a lane change card will be penalized 5 laps for each infraction. Racers found to be moving the

position of the car forward during a lane change will be disqualified immediately.

MISSED LAPS/LAP COUNTER

Missed Laps will be added if the lap counter can be proved to be incorrect. Laps will be deducted in the case of a car passing the lap counter in the wrong lane.

TRACK CONDITION

Track condition and surface is to be prepped on the day prior to the race/event or no more than 3 days prior to the event. The surface should be cleaned and sprayed and ready for the first day of practice for the event. Racers are not allowed to alter the surface in any way and doing so will result in disqualification. No racer applied glue to the track or cleaning or the track will be allowed during the event.

Season points are awarded by overall laps scored during each race.

- 1st place 20 points
- 2nd place 18 points
- 3rd place 16 points
- 4th place 15 points
- 5th place 14 points
- 6th place 13 points
- 7th place 12 points
- 8th place 10 points
- 9th place and below get 9 points each.

Individual Race and Season results will be posted on the Facebook page and at the track.

HARD BODY Stock Car Rules

Bodies:

- a) Full size American automobile models that are available in 1/24, 1/25 scale plastic kit form
- b) Roof height is 1-7/8". Disregard the door line for this class only.
- c) No thinning of bodies will be allowed. Bodies must fall between .040 and .050 minimum thickness. Any sanding or file marks visible at post tech inside the body will result in disqualification. Exceptions: door handles, emblems, and window trim May be sanded off for short track appearance.
- d) Bumpers must be the original kit bumper, substituted from another kit, or from Plastruct or Evergreen brand material. No other substitutions will be allowed.
- e) The guide flag should not be visible when looking down at the car on the tech block.
- f) Firewalls or body mount posts may be removed from the inside of the body.
- g) Kit windows may be replaced with a minimum of .010 Lexan. Must be full windows, and remain in place during competition. Windows must be left clear.
- h) Front grills, front fascia, and rear fascia May be drilled out, or replaced with a plastic or fabric mesh.
- i) Tail lights, headlights, mirrors may be deleted as these parts usually come off easily.
- j) Wheel wells are to be "hogged out" upon the original body wheel centers.
- k) Bodies are to be painted a minimum of one color, with three painted or decal numbers in a scale appearing fashion.
- l) Bodies are to have a three dimensional, painted interior with a driver figure mounted in an upright, scale appearing fashion. Chassis or powertrain components must not be visible when viewing through the windows. No Paper printed interiors.
- m) Styrene or Plastruct reinforcement is allowed inside the body.
- n) No Velcro body mounting. Bodies must be secured in at least one point on each side with the use of pins or clips. May be secured with additional tape during the race.
- o) Side dams are not allowed. A rear spoiler with a maximum of 1/4" is allowed of Lexan or Plastruct material.
- p) A "chin" spoiler may be used below the front bumper. No side dams or concave shapes.

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- q) Altered wheelbase, concept, convertible, and T-top, bodies are not allowed.
- r) Body must stay on during the race. A track call will not be made remount a body.

Chassis:

- a) Materials of construction are brass, carbon steel, stainless steel, or tempered spring steel.
- b) Must be stamped, CNC, or laser cut. Chassis are to be designed with no moving or mechanical parts.
- c) No scratch builder kits intended to be scratch built or repurposed Retro, Drag kits, etc.
- d) Wheelbase is 4.5". Shorter and longer wheelbase options may be integrated into the design.
- e) Chassis are to be designed for the purpose of hard body racing with a motor tab of the base material, front and rear axle uprights of the base material, guide flag of the base material, and body mounts of the base material designed with the specific purpose of mounting plastic model body shells. Chassis are to be designed where allowable modifications made are performed with the use of solder and bare metal materials only. Any parts submissions or alterations must be voted on.
- f) Pre-Approved chassis are:
 - i. KC Racing Lucky 7
 - ii. JK Products Super Stocker #2500
 - iii. Mid America CH-01
 - iv. B&E Slotsport Eliminator #BE001
 - v. B&E Slotsport Eliminator #BE003
 - vi. B&E Slotsport Crusader #BE002
 - vii. B&E Slotsport Berdugo #BE005
 - viii. B&E Slotsport Silverback #BE006
 - ix. JPM "Twister"
 - x. Parma 4-1/2" FCR #578
- g) Chassis may be cut and extended to match the wheel base, narrowed for better fit of the model body, or widened with the use of Brass plate and wire. Chassis cut free from their original kit form must have restrained movement via Piano wire soldered parallel to the sides of the motor, or perpendicular to the front of the motor directly under the end bell.
- h) For safety of tracks, marshals, and other cars, sides of the chassis must be trimmed cleanly. No more than .250 exposed materials allowed measured from the outermost point of the door. A hole may be drilled to oil the front of the motor.
- i) Bushing position may be raised and soldered in place. Bracing with piano wire and brass tube is allowed.
- j) Chassis must be of rigid soldered construction. No moving parts or screws allowed with the exception of floating pin tube body mounts.
- k) No hinges, slides, bite bars, up stops, down stops, chatter pans, etc.
- l) Motor bracket and guide tongue must be centered upon the chassis.
- m) Width is 3-1/4" or less. A minimum of .032 clearances under the front axle, .050 clearances under the rear axle.
- n) An aftermarket motor bracket may be used to replace the original motor bracket or motor tab.
- o) Cars may not drag on the track at any point.
- p) Lead weight may be added on the top side of the chassis only.
- q) Tape may be used on top or under the chassis.

Axles:

- a) 1/8" minimum rear, 3/32" minimum front
- b) No bearings allowed
- c) No hollow axles
- d) Independent fronts allowed.
- e) Front tires must be in the upright, 90 degree position

Gears:

- a) 7 tooth pinions, 33 tooth crowns - 48 pitch only.
- b) Inline configuration only. Pinion and gear are to be centered upon the original chassis bracket.

Motors:

- a) For Series points racing, the ProSlot 4001S (purple seal) must be used and seals must remain intact.
- b) Brushes and springs can be changed
- c) Endbell hardware may be aligned
- d) Commercially available heat sinks allowed on motors
- e) The Claimer rule is \$25. Any racer in the top 8 finishers can claim a motor of the top 3 finishers if they feel it has been illegally modified from stock form. The protest must be performed immediately after the race, \$25 must be given to the person being protested, and the claimed motor must be removed from the car, pinion removed by the tech director or under the tech directors' supervision.

Tires:

- a) Minimum rear tire diameter is .950" x .750" maximum width
- b) Minimum front diameter is .950" x .250" minimum width
- c) Approved rear tire and wheels are Pro Track #520, #N320, any B&E Slotsport rears
- d) Approved front tire and wheels are Pro Track #528, #329, #400, any B&E Slotsport fronts
- e) All wheels are to be 5/8" diameter hub

Not Allowed:

Additional or attached air control including exterior side-dams, rear spoilers, or front diaphragms extending or visible outside the body.

CONTROLLERS

Any controller – no attached power supplies are allowed.

If it's not listed here, it's not legal.

For the safety of turn marshals and other racers, race cars that are damaged to the point of the chassis being exposed must pit and be repaired immediately with adhesive or tape.

Repairs can be made under green flag or during intermission.

Front and rear windows, front bumpers and grills must be repaired immediately.

Rear Bumpers must be repaired before the start of the next heat.

Riders, and unreachable cars are a track call.

Code of Conduct.

We are here to enjoy the sport and comradery. Everyone is allowed to participate in this public series, but all are expected to act in a sportsman like manner.

Yelling at a marshal is prohibited - 1 lap race penalty will be enforced for each offense.

Yelling at other drivers is prohibited - 1 lap penalty. If two racers are yelling at each other, they both get the penalty.

Dramatic outbursts - such as throwing cars, controllers, slamming doors, etc. that are a distraction from the event will result in disqualification and no points awarded for that day in any class.

Threatening language - Direct threats or language that can be perceived as a physical threat to anyone at our events will result in disqualification, no points awarded for that day in any class, and a 3 event suspension.

Physical threats/violence - You are banned indefinitely from this series. Any lawful charges pressed upon you are your problem and in no way can the participating Raceway be held accountable.

Theft - If you are found stealing from anyone in this series, you are banned indefinitely. Any lawful charges upon you are your problem.