

2021/2022 RJ's Speedrome Carpet Oval Rules

Latest Updates are Highlighted

Abbreviated Class Structure

Class	Motor	Battery	Chassis	Tires
Experience Level: Expert				
17.5 Stock Pan Car	17.5	1s	Pan Car	Foam
Experience Level: Intermediate				
Mahoning Modified (RTSK)	21.5	1s	SK Car	Rubber
21.5 Stock Truck	21.5	1s	Pan Car	Foam
17.5 Sprint Car	17.5	2s	Sprint Car	Foam
13.5 Mudboss	13.5	2s	Traxxas Slash	Foam
Experience Level: Sportsman				
Limited Late Model	21.5	1s	Pan Car	Rubber
Legend	25.5	1s	Legend	Foam
Breakout	Open	Open	Pan Car	Open
Stock Mudboss	Brushed	2s	Traxxas Slash	Foam
Experience Level: Entry Level				
Junior Novice Mudboss	Brushed	2s	Traxxas Slash	Rubber
Novice Mudboss	Brushed	2s	Traxxas Slash	Foam
Novice Legend	25.5	1s	Legend	Foam

General Rules

- Classes.** Anyone is welcome to race any class they desire except Rookie. If you race a Sportsman class, it must be understood you may be racing against someone of lesser driver abilities and yelling at or belittling them will result in suspension of said class.
- Novice Classes.** If you are entered in a Novice Class, you are only allowed to enter other Novice Classes and Breakout. If you enter a non-Novice class, your skill level is better than a Novice therefore you are better than Novice status. You may enter a Non-Novice Class One time to decide if you are ready to move up.
- Novice Class Eligibility.** If you are less than two laps slower than the TQ for the Parent Class (ex. Stock Mudboss or Legend) 3 times, you must bump out of Rookie Class.
- Track Marshalling.** After racing, you must immediately place your car in the tech area and find a spot to track marshal. If you can't do it, you are responsible for finding a replacement.
- Bump-Ups.** B- Main top 2 Finishers will bump up to the A-Main. All classes will have 8 car mains except 6 for Mudboss classes.
- Rough Driving.** Rough Driving will not be tolerated. If you pull over to wait on wrecking someone, you will be asked to remove your car. Failure to do so may result in a suspension.
- Pulling Off to make Adjustments During the Race.** If you pull off the track to make an adjustment on your car during the heat and you decide to come back to the track, you must stay out of the way of anyone on a qualifying run or not force them to move over. If you pull off in the Main, you stay off the track.
- Illegal Parts or Motors.** No unapproved parts or motors allowed. First offense is a warning and loss of qualifying runs. Second offence will result of suspension for the rest of the day. Refusal to allow technical inspection is an automatic admission of guilt and you will be asked to no longer participate in the day of racing.
- LiPo Inspection Procedure:**
 - Cars must be at the tech table 2 minutes before the end of the previous race.
 - Cars will have the battery temperature checked with track temperature gauge.
 - Cars will have the battery voltage checked with the track volt meter.
 - After cars are teched, they must remain on the table until being placed on the track. Cars taken back to the pit table must go through tech again.
 - Battery Voltage.** Battery voltage will 4.22 (8.44 for 2s). Any battery reading 4.23 (.01 over) will be allowed to be run down in the tech area. If your battery reads 4.24 (.02 over), you will only be given one opportunity during heat racing to run it down in the tech area. Any battery reading 4.25 or higher (.03 or higher) will be disqualified. The second offence at 4.24 (.02 over) will also be disqualified.
- LiPo Sacks.** Everyone is required to use a LiPo sack.
- Conduct.**
 - Anyone laying a hand on another competitor will result in an immediate suspension for the season and possible lifetime ban.
 - Anyone caught stealing will result in a lifetime ban.

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- Anyone maliciously throwing or purposely damaging another person's property will result in a suspension.
- Yelling or Cursing at a Track Marshall will not be tolerated and subject to suspension.

12. Drivers Council.

- All decisions on rules infractions and conduct violations will be reviewed by the Drivers Council.
- The Drivers Council will determine punishments for rules infractions or conduct violations.
- The Drivers Council will also take suggestions from racers to improve the track and racing program.
- Any Council Member involved will not be included in the decision making process.
- The 2020-2021 Drivers Council is Frank Mertz, Scott Shoff, Glenn Schmauch, Doug Knauss, Dave Dries, Buck Greer & Charlie Coopey.

General Pan Car Rules

1. MOTOR:

- Motors must NOT be frozen or cooled. Motors must be no less than 5 degrees below ambient temperature.
- Motors may NOT have any material removed from the can, end bell, coil winding stacks, or any other motor component. .
- Any solder reflow or Stator rewind will NOT be legal. Race director's decision is final on any suspect motors.
- Motors will be teched with the Track Inductance and/or Resistance Meter. Readings per ROAR's Approved List.

2. CHASSIS: Any 1/10 scale direct drive chassis is allowed.

3. BATTERIES:

- 1 Cell Li-Po BATTERIES:
 - a. Maximum Battery Temperature: 90 degrees. Batteries may NOT be cooled down with freeze spray or any other method to meet temperature tolerance. Any signs of battery cooling will result in making the racer sit out the race. Due to the nature of the batteries, this will not be tolerated for safety reasons. Minimum temperature 5 degrees below ambient room temperature.
 - b. Maximum Battery Voltage: 4.22 Volts. (1 Cell) & 8.44 Volts (2 cell)
 - c. All batteries must have the original Labels intact. Questionable batteries can be Inspected and Approved by Tech Committee.

4. SPEED CONTROL:

- Production Electronic Speed Controls Only.
- New Electronic Speed Controls and Software must be available to the public for a minimum of 30 days before gaining final approval for Strand competition.
- Spec Speed Control Classes must have a maximum MSRP of \$250.00.
- Blinky Mode Only per ROAR spec Rule

5. RIDE HEIGHT

- Foam Tire Cars = 4mm
- Rubber Tire Cars = 5mm

6. PAN CAR RUBBER TIRES:

- CRC RT1 Tires & GTR Wheels Only. P/N CRC-2314
- Tires must use the stock CRC Inserts and Front Inserts in the Front Tires and Rear Inserts in the Rear Tires.
- Inserts and tires must be stock and not altered in any way.
- Absolutely NO HEATING of tires. Tires must be within 5 degrees of ambient temperature.
- No Hot Dog Rollers or other Tire Heating devices to be used in the pits to apply traction compound.
- Tires must be smooth. No "grinding" or "ruffling" will be allowed. Tires must have a smooth finish too both sight and feel. No visible texture or grooves (i.e. crosscuts) tires may be sanded to remove the glossy and center manufacture rib and finished with no more than 320 grit paper. The Tech Director will have final say on altered tires.

17.5 Stock Pan Car

1. WEIGHT: 36oz with Transponder

2. MOTOR: Tekin TT2762 17.5T SPEC-R GEN4 Motor with the standard TT2776 12.5mm Blue SPEC-R Rotor.

3. SPEED CONTROL:

- ROAR Spec Rules (Blinky Mode)
- No Receiver Packs Allowed.

4. BATTERY: Open 1s Battery

5. BODY: Protoform Gen 3, McAllister Xfinity Mustang and Camaro.(See TOUR Rules)

6. TIRES: World GT Spec tires with Purple or Blue Stripe

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21.5 Stock Truck

1. **WEIGHT:** 36oz with Transponder
2. **MOTOR:** Motiv TOUR 21.5. (Motor will not be allowed to be run until readily available. 21.5 Equalizer will remain the motor until they are available.)
3. **SPEED CONTROL:**
 - ROAR Spec Rules (Blinky Mode).
 - No Receiver Packs Allowed.
4. **BATTERY:** Open 1s Battery.
5. **BODY:** TOUR Approved Truck.
6. **TIRES:** World GT Spec tires with Purple or Blue Stripe.

21.5 Rubber Tire Car

1. **WEIGHT:** 39oz with Transponder
2. **MOTOR:** Trinity 21.5 Equalizer Only
3. **SPEED CONTROL:**
 - ROAR Spec Rules (Blinky Mode).
 - No Receiver Packs Allowed.
4. **BATTERY:** Open 1s Battery
5. **BODY:**
 - McAllister ASA Late Model #228, ASA Mustang #272, ASA Camaro #273 & Protoform RTC Body Part Number 1239-25 Only.
 - Bodies to be cut on the body lines.
 - Back of body must remain intact
6. **TIRES:** CRC RT1 Tires & GTR Wheels Only. P/N CRC-2314

Mahoning Modified (RTSK)

1. **WEIGHT:** 33oz with Transponder
2. **CHASSIS:** Any **2020-2021** SK-KAR Approved Chassis.
3. **MOTOR:** Trinity 21.5 Equalizer Only
4. **SPEED CONTROL:**
 - ROAR Spec Rules.
 - No Receiver Packs Allowed.
5. **BATTERY:** Open 1s Battery
6. **TIRES:** CRC RT1 Tires & GTR Wheels Only. P/N CRC-2314

Breakout

1. **MINIMUM LAP TIME:**
 - 5.0 Minimum Lap Time.
 - Laps below the time do not count.
2. **MOTOR:**
 - Any Brushed Motor
 - Any Brushless Motor
3. **CHASSIS:**
 - Any 10th Direct Drive Carpet Style Chassis. (ex. Pan Car, Legend, Street Spec Car, etc.)
 - Maximum Car Width 9.5"
4. **BATTERIES:** Open Battery
5. **BODIES:** Any molded polycarbonate body.
6. **CLASS OBJECTIVE:** This class is designed for the lesser experienced driver or the seasoned veteran. There will be a minimum lap time and anything below it doesn't count. The break out is to keep the competition close and keep the class as inexpensive as possible. If your car is "too fast" or "out of control", you will be asked to slow it down.

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13.5 Mudboss

Salvas Rules Apply with any exceptions listed below.

1. CHASSIS:

- TRAXXAS 2wd (SLASH or RAPTOR) chassis only.
- Traxxas LCG chassis is allowed.
- Traxxas replacement parts only. The only RPM Parts allowed are the front and rear hubs and castor blocks.
- Front bumper must be removed. Side bumpers can also be removed if so desired. It is recommended to leave rear bumper in place for durability and to ease in marshalling.
- TRAXXAS front optional bumper (TRA2735) can be used (angled down)
- No alterations to the chassis (such as holes, or removal of material by any means)
- No weight is allowed to be added.

2. SUSPENSION:

- Stock shocks only.
- Stock White Springs only. No LCG Spring Kits.
- Front spring(s) may have up to 4 coils cut from them.
- Limiting spacers or fuel tubing may be used on the shock shafts inside or outside of the shock body to limit overall length and/or travel.

3. MOTOR: Any ROAR Approved 13.5 Sensored Brushless Motor.

4. SPEED CONTROL: Any Brushless Speed Control in Blinky Mode.

5. SERVO: Traxxas 2075 or Savox SC-0252MG Servos Only.

6. BATTERY: Any 2s hard case battery up to 5200mah/50c with external plug, deans/traxxass etc.

7. TIRES:

- JACO 2055LP on all 4 corners, these are all rear offset.
- Black or White Wheels Allowed.
- Tires May be Trued.
- You may use SXT Traction Compound.
- You may use 3D Printed wheel stiffeners to enhance the durability of the wheels. Stiffeners must be plastic. All Stiffeners must be approved by the Tech Director.

8. BODY: Salvas MudBoss body only. They are waterjet cut to exact specs and pre-bent with all screws to put it together. Exact clones will be permitted.

9. GEARS:

- TRAXXAS 76/83/86/90 spur with all transmission parts in place (including slipper)
- Open Pinion

Stock Mudboss

Salvas Rules Apply with any exceptions listed below.

1. CHASSIS:

- TRAXXAS 2wd (SLASH or RAPTOR) chassis only.
- Traxxas HCG chassis ONLY.
- Traxxas LCG chassis is NOT allowed.
- Traxxas replacement parts only. The only RPM Parts allowed are the front and rear hubs and castor blocks.
- Front bumper must be removed. Side bumpers can also be removed if so desired. It is recommended to leave rear bumper in place for durability and to ease in marshalling.
- TRAXXAS front optional bumper (TRA2735) can be used (angled down)
- No alterations to the chassis (such as holes, or removal of material by any means)
- No weight is allowed to be added.

2. SUSPENSION:

- Stock shocks only.
- Stock White Springs only. No LCG Spring Kits.
- Front spring(s) may have up to 4 coils cut from them.
- Limiting spacers or fuel tubing may be used on the shock shafts inside or outside of the shock body to limit overall length and/or travel.

3. MOTOR:

- Stock Traxxas Titan 550 12 Turn Only.
- Part No. TRA3785
- Motor Fans NOT Allowed. Heatsinks are allowed.

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4. **SPEED CONTROL:** Stock Traxxas Slash XL5 Brushed Speed Control.
5. **SERVO:** Traxxas 2075 or Savox SC-0252MG Servos Only.
6. **BATTERY:** Any 2s hard case battery up to 5200mah/50c with external plug, deans/traxxass etc.
7. **TIRES:**
 - JACO 2055LP on all 4 corners, these are all rear offset.
 - Black or White Wheels Allowed.
 - Tires May be Trued.
 - You may use SXT Traction Compound.
 - No Rubber Tires Allowed.
 - You may use 3D Printed wheel stiffeners to enhance the durability of the wheels. Stiffeners must be plastic. All Stiffeners must be approved by the Tech Director.
8. **BODY:** Salvos MudBoss body only. They are waterjet cut to exact specs and pre-bent with all screws to put it together. Exact clones will be permitted.
9. **GEARS:**
 - TRAXXAS 86 or 90 spur with all transmission parts in place (including slipper)
 - 16-23 Pinions Only

Novice Mudboss

Same Rules as Stock Mudboss with the following exceptions:

1. **BATTERY:**
 - Any 2s hard case battery up to 5200mah/50c with external plug, Deans/Traxxas etc.
 - Any Traxxas 7 Cell Stock Battery.
2. **BODY:**
 - Salvos MudBoss body only. They are waterjet cut to exact specs and pre-bent with all screws to put it together. Exact clones will be permitted.
 - Any Stock Traxxas Slash Body from the Kit.
3. **GEARS:**
 - TRAXXAS 90 spur only with all transmission parts in place (including slipper)
 - 16Pinion Only

Junior Novice Mudboss

Same Rules as Stock Mudboss with the following exceptions:

1. **AGE RESTRICTION:** Anyone 14 years of age & under at the start of the season.
2. **SPEED CONTROL:**
 - Stock Traxxas Slash XL5 Brushed Speed Control.
 - Speed Control Must be set in Trainer Mode (This will slow the cars down).
3. **BATTERY:**
 - Any 2s hard case battery up to 5200mah/50c with external plug, deans/traxxass etc.
 - Any Traxxas 7 Cell Stock Battery.
4. **BODY:**
 - Salvos MudBoss body only. They are waterjet cut to exact specs and pre-bent with all screws to put it together. Exact clones will be permitted.
 - Any Stock Traxxas Slash Body from the Kit.
5. **TIRES:**
 - Any original TRAXXAS SLASH Rubber Tires, Wheels & Inserts (BFG / KUMHO / SPEC).
 - Wheels Must be 1 piece Traxxas wheels.
 - 1 Insert per tire.
 - No weights inside of the tires or anything else besides 1 insert inside.
 - *NO "S1" compound Allowed.
 - You may use SXT Traction Compound.
6. **GEARS:**
 - TRAXXAS 86 or 90 spur with all transmission parts in place (including slipper)
 - 16-23 Pinions Only

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Legends/Novice Legends

1. CHASSIS:

- Stock RJ Speed or Bolink Legends Chassis.
- No alterations allowed.
- Any mounting location allowed for electronics.
- Ball Bearings are allowed.
- After market steering linkages allowed.
- You may change the left side (set screw) hub to 5313 nylon/aluminum Hybrid hub only. Right Side Hub must be stock plastic narrow or wide Legend Hub.
- All Chassis Components must be Legend Components only. (Example: Offset RJ Speed Sprint Car Axles are not allowed)
- 3 Piece Legend Front Axle is Allowed.
- All Gray area rules must be approved by the Tech Director.

2. TIRES:

- Foam Spec Tires Only.
- Yellow, Purple or White Stripe Foam Spec Tires allowed.

3. MOTOR:

- Hobbywing Justock 25.5 Locked Timing Motor.
- Part Number 30408013

4. BATTERY: Open 1s Lipo Battery

5. SPEED CONTROL:

- Hobbywing Justock Speed Control Only. (Version 2 or 3)
- Part Number 30112000 & 30112003
- No Receiver Packs Allowed.
- Voltage booster is allowed.

6. BODIES:

- Only genuine R/C LEGENDS bodies are allowed.
- NO changes allowed from trim lines, except for 1/4" tolerance around wheels.
- Body must be painted & all windows clear or cut out.
- It is legal to reinforce the inside of the body where the side posts go thru with tape or scrap lexan from the wheel cutouts.

7. GEARS:

- 80 64 pitch Spur Gear Only.
- Open pinion gear.

8. Novice Eligibility: To be eligible for the Novice Class, you must be a newer racer. No Age Restriction. Any racer who tends to dominate the class and run competitive lap times with the regular Legend Class, will be asked to move up. The Drivers Council will make final decisions.

17.5 Sprint Car

1. WEIGHT: TBD with Transponder

2. CHASSIS: Any 1/10th Chassis. Direct Drive or Transmission.

3. TIRES:

- Foam tires only.
- Must be Custom Works style wheel.
- No Pan Car tires.

4. MOTOR: Any Roar Legal 17.5

5. BATTERY: Open 2s Lipo

6. SPEED CONTROL: Any Brushless Speed Control in Blinky Mode.

7. BODIES:

- Any sprint Car Body
- DODC High Bite Sprint Car Small Wing Package
- 6x6 Wing Max.

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Other Classes Welcome

(5 Car minimum with Race director's approval)

Revision History

V1 – Initial Rule Package 7/8/2021

V2 – Added Breakout to Novice Class Eligibility 10/26/2021

V3 – Removed 17.5 RTC and added 17.5 Sprint Car

V4 – Clarified Legend Rules.