

MOJO R/C SPEEDWAY

2024/2025

CLASSES & RULES

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NOVICE/FUTURE CHAMPS

This is a beginner class. The only rules are that the car must be 2wd and 2s Lipo or 7c NiMh battery. Race Director may move any Novice into a higher class at his discretion.

MUD BOSS

1. Traxxas 2wd Slash straight out of the box.
2. Body must be Mud Boss compatible.
3. Only the following can be changed:
 - A. Radio
 - B. Shock Oil
 - C. Shock Caps
 - D. Pinion Gear
 - E. Spur gear
4. Starting in November 2023 we will allow the BL-2s brushless system in STOCK configuration. If you are running the brushless system, your gearing must be 16/90 or 24/86. No exceptions.
5. NO TIRE DOPING! However, you can use a mild tire cleaner i/e simple green or dawn dish washing soap to clean tires.

6. 2 cell 7.4v LiPo battery with a maximum of 5200mah and 50c. External plug only no "Bullet Type" connectors

SPRINT BANDIT

1. BODIES: Team Qik or F5 Bandit conversion kit.
2. CHASSIS:
 - a. TRAXXAS 2wd BANDIT chassis only
 - b. Original MFG suspension parts only, no other parts allowed (such as from RPM)
 - c. Major alterations to the chassis or modification to drivetrain/suspension components is not allowed
 - d. Electronics (rx/esc/amb) must be installed within chassis surface (no outside installation)
 - e. Traxxas Ultra shocks only.
 - f. Tires for MOJO R/C SPEEDWAY are the Rawspeed Radar.
3. ELECTRONICS:
 - a. Original TRAXXAS 2075 servo.
 - b. TRAXXAS 2075x and 2075r (servos) AND TRAXXAS 2072x (gear set) are allowed as 'alternative' parts/servos.
 - c. Spec motor is the Traxxas 12t Titan. No modifications to the can are allowed.
 - d. ESC and motor must have Traxxas motor connectors.
 - e. Spec speed control is Traxxas XL5.
 - f. Traxxas BL2 has not been tested, but may be considered and allowed in the future.
 - g. 2-cell 7.4v LiPo battery with a maximum of 50c, with external plug only.
 - h. ESC must be mounted on factory plate.
4. ADJUSTMENTS:
 - a. TRAXXAS 76/83/86/90 spur with all transmission parts in place (slipper), any pinion size (unless noted in specific class rules).
 - b. Any original Traxxas Slash bearings can be replaced by any type of bearings.
 - c. No modifications can be made to the transmission's case (i.e. to allow a bigger gear ratio).
 - d. The gear cover must be off at all times to allow for visual inspection (CARPET)...and removed if asked (DIRT).
 - e. The only adjustments allowed to the car are those allowed by the original MFG components of the car.
 - f. Any OEM aftermarket parts, with the exception of the Traxxas Magnum transmission, for the Bandit are allowed.
 - g. Shock tower extension kits from Team Qik are allowed. Part number 9010.
 - h. Traxxas Bandit Adjustable Linkages are allowed.
 - i. Traxxas Bandit/Slash Bearings, Carriers & HEX Adaptors are allowed.
 - j. You are allowed to use any original wheel spacer combination (Black, Grey or any combination of both types).
 - k. Transmission functionality rule (motor cannot spin while turning slowly one rear wheel a full turn).

- l. Traxxas SLASH *STEEL* transmission gears only (no modification allowed) (internal plastic transmission gears not allowed).
- m. Adding weight (in any way) is not allowed, wheel balancing is allowed (sole purpose of balancing, not to add weight).
- n. No Gyro or driving assist allowed.

OUTLAW SPRINT CAR

1. Motor: Any 10th scale motor.
2. ESC: Any 10th scale electronic speed controller.
4. Tires: Any 10th scale buggy or sprint tire.
5. Battery: Any 2s LiPo battery.

NOTE: Outlaw Sprint is an ADVANCED class.

10.5 SPRINT CAR

1. Motor: 10.5T brushless motor.
2. ESC: Any 10th scale electronic speed controller set to "BLINKY" mode.
4. Tires: Any 10th scale buggy or sprint tire.
5. Battery: Any 2s LiPo battery.

SPORTSMAN SPRINT CAR

1. Motor: 13.5T brushless motor.
2. ESC: Any 10th scale electronic speed controller set to "BLINKY" mode.
4. Tires: Any 10th scale buggy or sprint tire.
5. Battery: Any 2s LiPo battery.

NOTE: You may be required to move from Sportsman to 10.5 or Outlaw after you have three A-feature wins with a full field of cars. The Race Director will make the decision.

WINGLESS SPRINT

1. Car can be 10th scale buggy based or purpose-built sprint kit.
2. Motor

- A. Any 13.5T with ESC in "blinky" mode (no esc timing or boost)
- B. STOCK Traxxas Titan 12T motor/ESC
- C. STOCK Traxxas 2-BL motor/ESC

2. Open tire.

3. Must have a standard Sprint Car appearance. Top of the rollcage must be completely open. No wings or winglets.

SPRINT CAR SPECIFICATIONS

1. **General** - Maximum Overall Length: 18.000". Maximum Chassis width: 4.025"

2. **Cage** – Sprint cars must have a scale appearing contemporary cage made out of rounded stock.

- A. The cage must be symmetrical left to right and mounted level to the chassis.
- B. Unrealistic shaped cages designed to exploit the rules below are not permitted.
- C. Maximum cage width at driver halo, down tubes, and top frame rail: 3.600".
- D. Maximum cage height 5.5" from top of chassis to top of cage at highest point.
- E. Rear "down tubes" must slant forward.
- F. All cage and body components such as cage, bumpers, nerf bars, hoods, side panels, tanks, etc. must be mounted on the centerline of the cage.
- G. Chassis may not extend outside of the side panels by more than 1/4" on either side.

3. **Bumpers** – A flat, curved or tubular front bumper (or combination of) must be used and may not be designed to direct air or create downforce.

- A. Maximum height of front bumper is 1.75" from the bottom of the lowest point of the chassis.
- B. Scale appearing side nerf bars must be used on both sides of the car.
- C. A scale appearing rear hoop style bumper must be used.
- D. Bumpers and nerf bars must be made of rounded stock with no sharp edges.

4. **Tail tank** – A traditional scale appearing rounded style three-dimensional rear fuel cell must be used.

5. **Headers** - Three-dimensional scale appearing exhaust headers must appear on both sides of car in "engine area".

6. **Side panels** – Flat side panels may be made from molded or fabricated polycarbonate.

- A. The maximum height of side panels in front of the driver cockpit is 3.80" from the bottom of the chassis.
- B. Must have minimum of 3/4" high by 2.5" long openings on both sides of cage in driver compartment.
- C. Additional material may be used/added to either side of the side panel openings to replicate a scale appearing driver but may not exceed 1" x 1". (Note that the top wing mounts may cover these openings for winged classes.)

- D. Side panels may not extend beyond the rear of the cage by more than 0.25".
- E. Side panels may not extend above or in front of the front downtubes.
- F. Side Panels may not extend into the area that is behind the rear axle AND below the top of the rear nerf bar.
- G. Scale appearing driver arm guards and engine vents may be used but cannot extend more than 3/8" from the side panels.
- H. No other flares or turnouts designed to deflect, trap and/or form a pattern for air to travel in a directed manner are permitted except for those used to cool electronics.

7. Hood Area – A scale appearing hood must be used and is defined as beginning at the front axle and ending at the front of the driver cockpit.

- A. The hood must be symmetrical from left to right.
- B. The hood must be tall enough and wide enough to allow room for a scale engine intake and air cleaners (no unrealistically low or flat hoods).
- C. Minimum vertical gap from top of hood to bottom of front cage crossbar: .750".
- D. The hood may not drop below the nearest point of the side panels by more than 3/8" and may not have any channels more than 0.25" deep designed to trap or direct air.

8. Nose Area – A molded or fabricated nose piece may be used and is defined from the front axle forward to the front bumper.

- A. Front bumper may not extend more than 3" from front axles.
- B. Nose piece (any Lexan) must be at least 1/4" back from the leading edge of the front bumper.
- C. Maximum width of nose piece/bumper is 3.75".
- D. Maximum width of any surface designed to add downforce is 3.125".
- E. Nose piece may not extend above the cage downtubes or an imaginary line connecting the downtubes if the cage is a split design.

***Note that the hood and nose piece can be one piece or multiple pieces for the purpose of easy access to electronics and suspension but are defined as above for purposes of aero rules.

9. Front wing/mounts – ALL DIMENSIONS ARE MAXIMUM UNLESS NOTED-

- A. Front wing deck 4.5" W x 3" L.
- B. Sides 1.5"H x 3" L.
- C. Side panels must be mounted with a minimum of 1/2" above and below the top of wing center section.
- D. The front wing center section may not extend in front of the front bumper.
- E. Front wing mounts may be made of Lexan but may not exceed 1.75" in length and 1.75" in height and may not extend in front of or behind the center section of the wing.

10. Top wing/mounts – ALL DIMENSIONS ARE MAXIMUM UNLESS NOTED-

- A. Top wing deck 7" x 7" square plus 1/2" rear spoiler.
- B. Side panels 4.5" W x 3" L.
- C. Right side panel must be 90 degrees at the top two corners.

- D. All four corners must be on the same plane.
- E. Left side panels are 90 degrees at all four corners and on same plane.
- F. Side panels must be mounted with a minimum of ½" above and below the top of wing center section. Top wing minimum height at leading edge: 5.00" from bottom of chassis.
- G. Top wing maximum height at leading edge: 6.50" from bottom of chassis.
- H. Center section and side panels must be made from at least 3 separate pieces of polycarbonate, carbon or aluminum material.
- I. All corners and edges must be rounded and free of sharp edges. Main and Front wings must be mounted so that they are centered on cage, no offset wings.
- J. Wing center sections must have all 4 corners set at 90 degree angles, no canted or angled panels.
- K. Wings must also be mounted level from side to side.
- L. Center section of wing may not extend beyond leading or trailing edge of side panels.
- M. Side panels must have braces that hold side panel rigid at 90deg. to center section during race conditions.
- N. Two braces are required from top of the center foil to the left sideboard and one brace is permitted below the center foil to the right side board.
- O. Braces can be a maximum of .750" wide and front edge of front brace must be no more than 1.5" back from side panel leading edge. Side Panels may have front, back, top and bottom turnouts of no more than .375" and are included in max dimension.
- P. Flat foil center sections will be allowed a .250" turndown at the leading edge.

10th SCALE LATEMODEL

1. DODC chassis and body rules apply.
2. Open motor and ESC.
3. Tires: NO PIN TYPE TIRES .
 - A. DE Racing "Regulator"
 - B. Proline "Hoosier"
 - C. Any bar type 1/10 scale buggy tire.

STREET STOCK

1. Chassis: Any 1/10th scale 2wd factory built off-road buggy.
 - A. Approved manufacturers are Associated, Losi, Traxxas, Kyosho, Durango, Team C, Xray, Yokomo, Hobao H2.
 - B. Chassis must remain stock, no aftermarket/non-oem upgrades except RPM Brand parts designed for the chassis.
 - C. OEM Option parts sold by these companies designed for their cars are allowed.

- D. Big Bore and threaded OEM Shocks are allowed.
- E. Rear wheel drive only.
- F. Mid or rear motor allowed.
- G. Adjustable rear A arms are NOT allowed.

2. Tires: Any buggy rubber tire.

3. ESC: Any speed control.

4. Motor: 13.5T

5. Body: Any body approved for the R/C Chili Bowl is legal.

- A. Must be closed windowed.
- B. A maximum 1" spoiler may be added. No End caps allowed.

6. Battery: Any 2s lipo pack.

FACTORY STOCK / NASTRUCK

1. 2wd short course truck mid or rear motor

2. Battery must be in center

3. Open motor, open esc.

4. Bodies: Any SC Street Stock or Nastruck body.

- A. No OFF-ROAD bodies.
- B. A maximum 1.5" rear spoiler may be added.
- C. No other body mods allowed.

5. No adjustable rear arms! Rear toe-in must be the same on both sides.

6. The wheelbase must be the same on both sides. Measured from center of front king pin to center rear hub.

7. Tires: Any SC tires.

PRO MOD SC (Short Course Modified)

1. Chassis: Any 2wd short course truck

- A. After market chassis ok, must meet oem dimensions of RTR or Factory Team chassis.
- B. The chassis width can be no wider than the center line of the rear wheels.
- C. Suspension & trans must remain on center line to each other.
- D. Suspension arms must be equal length left and right.
- E. NO offsetting of suspension.

- F. Aftermarket shocks & springs allowed.
- G. Adjustable arms are okay.
- H. Motor may be mid or rear engine only if manufacturer designed it to be changed.
- I. Wheelbase length 12.75"-13.5" Width 11"-11.75".

Wheels: Short course OEM style wheels.

Tires: Any SC tire is allowed.

Motor/ESC: Any 1/10th scale motor /esc combo allowed

Battery: Any 2s LiPo

Body: Must look like USMTS, UMP, or IMCA dirt modifieds.

- A. The body must cover both rear wheels.
- B. Front wheels must remain open.
- C. Rear spoiler allowed, not to exceed 1.5" measured from top of the deck.
- D. End caps allowed, may run center support brace.
- E. End caps must fit into 1.5"x3" box.
- F. No other side dams or down force device allowed.
- G. Max body dimensions: width 13", height 8"
- H. Max overall length front bumper to rear of body including spoiler

ELECTRIC 8TH SCALE LATE MODEL (Super Late model)

1. Chassis:

- A. Must be production based 4WD buggy drivetrain (Losi, Ofna, X-Ray, etc).
- B. No offsetting A-arms or narrowing of A-arms.
- C. Wheelbase: 12 5/8" - 13".
- D. Width: 13" Max - 11 1/4" Minimum.
- E. All chassis and tires must remain inside the body.
- F. No metal front or rear bumpers.
- G. Must have foam on the front bumper

2. Motors & Batteries: Any motor/esc combo

- A. 3s Li-Po Battery only.
- B. Hard or soft case batteries allowed.
- C. Battery must have a minimum of two retaining straps.

3. Bodies: Molded Lexan bodies only.

- A. No hand-built bodies.
- B. No additional wings, flaps, wickers will be allowed.
- C. Decking is allowed.
- D. No metal body parts of any kind.

- E. No side dam allowed.
- F. All bodies must be approved by track.
- G. Approved Body List: 2023-2024
 - Shark "Assassin", Atomic, BAM, UFO.
 - Mr Kustoms 8th scale/SC
 - Losi# losa8096
 - Ofna# OFN34046
 - RJ Speed# 1015 & 1030
 - A+ one piece
 - Stalker
 - Stalker SS
 - Onstat Bullet 1,2 or 3
 - Xtreme 10488
 - Mach 1

Rear Spoiler Specs:

- A. Can only be as wide as body at quarter panels.
- B. 3" Max total from deck.
- C. End caps must be triangle shape, not to extend above spoiler and no more than 3 1/2" from rear edge of body.
- D. One "third fin" allowed anywhere on spoiler between end caps.
- E. Third fin must be same size/shape as end caps or smaller.
- F. Third fin front edge must be in line with end cap front edges.

4. Wheels & Tires: Rubber tires only. No foam, rally or off-road tires allowed.

- A. Losi DLM1 or DLM2.
- B. Any GP style street tire allowed, treaded or slick.
- C. May use 17mm sc street tread tire (banditos, robbers etc).
- D. Wheels must be 17mm hex.
- E. No Grooving & siping allowed.
- F. Traction compounds are allowed.

5. Weight: 8lbs minimum after race.

SCLM CLASS (Short Course Late Model)

1. Chassis: Any factory or aftermarket 10th scale short course truck chassis.

2. Bodies: Molded Lexan bodies only.

- H. No hand-built bodies.
- I. No additional wings, flaps, wickers will be allowed.

- J. Decking is allowed.
- K. No metal body parts of any kind.
- L. No side dam allowed.
- M. All bodies must be approved by track.
- N. Approved Body List: 2023-2024
 - Shark "Assassin", Atomic, BAM, UFO.
 - Mr Kustoms 8th scale/SC
 - Losi# losa8096
 - Ofna# OFN34046
 - RJ Speed# 1015 & 1030
 - A+ one piece
 - Stalker
 - Stalker SS
 - Onstat Bullet 1,2 or 3
 - Xtreme 10488
 - Mach 1

Rear Spoiler Specs:

- G. Can only be as wide as body at quarter panels.
- H. 2" Max total from deck.
- I. End caps must be triangle shape, no more than 3" H x 5" L
- J. End caps may not extend more than 3" past rear edge of body.
- K. One "third fin" allowed anywhere on spoiler between end caps.
- L. Third fin must be same size/shape as end caps or smaller.
- M. Third fin front edge must be in line with end cap front edges.

3. No rear steer!

- A. Toe-in must be even on both sides (will be checked with toe-in gauge).
- B. Adjustable arms must be set at zero (recommend changing to stock arms).
- C. The wheelbase must be even on both sides. Measured from center of front kingpin to center of rear hub.

4. 10.5 motor, ESC in "blinky"

5. DE Sprint Car rear tires or Stadium truck wheels and tires. Open tread style and compound.

6. Must have foam on the front bumper.

Mini Mudboss

BODY

1. Any Mini Mudboss Body in Production (URCP, GT, Raptor, etc.)

2. Any minor modifications to the body must be approved before being allowed.

CHASSIS

1. Stock Bandit or Rustler Chassis

2. Must have a rear bumper. RPM, Raptor or others are allowed.

3. Front bumper must be angled down.

4. Major alterations to the chassis modification to drivetrain/suspension component is not allowed.

5. Electronics must be installed within chassis surface and secured.

6. Mount for front body posts may be installed across the chassis. Must be secured and stable.

BATTERY

1. 2 cell 7.4v LiPo battery with a maximum of 5200mah and 50c

2. External plug only no "Bullet Type" connectors

ADJUSTMENTS

1. TRAXXAS 76/83/86/90 spur with all transmission parts in place (slipper)

2. Any pinion size

3. No modifications to transmission case

4. Traxxas grey and black hex hubs may be used in any combination

5. Transmission functionality rule (motor can not spin while slowly turning 1 rear wheel a full turn.)

6. Traxxas Steel transmission gears only (internal plastic transmission gears not allowed)

7. Adding weight (in any way) is not allowed.

BEARINGS

1. Stock Bandit bushings may be replaced with bearings.

2. Bearing carriers may be replaced/upgraded with the Slash size bearing carriers to hold the larger 5x11x4 bearings.

SUSPENSION

1. TRAXXAS 2WD plastic shocks only (grey or black) (fronts in front, rears in rear)
2. Original Springs only
3. Front springs may not be cut.
4. The shock's travel may be limited by using internal shims.
5. Original shafts in original cylinder (Length and type in proper cylinder)
6. Original pistons from kit only (1,2 or 3 hole) no modifications may be made
7. Stock camber bars only, no adjustable camber links

MOTOR

1. Traxxas 12T Titan Brushed Motor with XL5 ESC.
2. OEM motor connectors only
3. Single 30mm fan may be used

TIRES/WHEELS

1. Any buggy tire set may be used
2. Standard buggy wheels allowed
3. Additives/Prep allowed
4. Tire tread must show pattern (No slicks)

Rules may be changed or updated at any time. It is the participants responsibility to be up to date on the current rules.

TRAXXAS BL2 RTR Slash Modified

This is a highly restricted spec class designed to allow a racer to buy a competitive car right out of the box. If you're not willing to follow the rules, pick another class.

1. The only vehicle allowed is the Traxxas Slash Modified - Model #104354-74
2. General Chassis Rule
 - All factory produced and installed parts must remain in the original position and condition (no modifications) unless specifically allowed in the following rules.
3. Body
 - The Traxxas Slash Modified body (PN 10411) in any color must be used including

driver figure, roll cage and all clipless mounting parts. This is the only body allowed.

- The only modification allowed is trimming of wheel wells to prevent rubbing.

4. Bumpers

- Traxxas Modified Bumpers (front #10436 and rear #5836) must be used. No modification to the bumpers or mounting allowed. No other bumpers allowed.

5. Chassis Components

- Traxxas LCG chassis (5832 series) only
- No modifications to the chassis or transmission case
- All components must remain unmodified and in the stock location.
- All factory mounting locations for components may be used so long as not part is modified to do so.

6. Steering components

- Only the Traxxas Slash Modified steering linkage with servo saver integrated into the bell crank can be used.

7. Electronics mounting locations

- Must be mounted in factory Slash Mudboss locations
- Receiver box cover may be removed

8. Suspension

- Internal and / or external limiters may be used in the stock GTR shocks
- Any Traxxas GTR shock piston and any Traxxas GTR Spring may be used.
- Any weight shock oil may be used
- Shocks may be adjusted with the factory threaded adjusters
- Bearings may be replaced with any manufacturer's identically sized steel bearings.

No ceramic or hybrid bearings permitted.

- Stock Traxxas wheel hexes must be used in the stock location (grey front, black rear)

9. Motor & ESC

- Stock BL-2s Motor & BL-2s ESC COMBO ONLY without any modifications

10. Transmission

- Traxxas Slash Modified Transmission only (Magnum 272R)
- MUST use all stock Slash Modified INTERNAL COMPONENTS
- Differential lube and grease may be changed to other weights or removed but normal differential action must remain (rear wheels should turn in opposite directions when one wheel is rotated while the rear of the car is off the ground)
- Bearings may be replaced with any manufacturer's identically sized steel bearings. No ceramic or hybrid bearings permitted.

11. Slipper Clutch

- Stock slipper clutch and components must be used. Traxxas 48 pitch 83 tooth, 86 tooth and 90 tooth spur gears are the only spur gears allowed. Any compatible pinion gear may be used.

12. Radio & Receiver

- Stock Traxxas radio and receiver may be replaced.

13. Steering Servo

- Traxxas 2075, 2075X or 2075R servos are allowed along with Savox SC-0252MG, Savox SC-0252MGP and EcoPower WP110t servos.

14. Battery

- 2 cell 7.4v LiPo battery with a maximum of 5200mah and 50c.
- External plug only no "Bullet Type" connectors.
- Stock battery brace must be used but may be trimmed to allow room for wires

15. Rims & Tires

- Factory Traxxas Slash Modified Hoosier Angle Block Tires only (PN 10470)
- Traxxas Slash Modified wheels only, must be mounted in factory location (PN 10471 frt, 10472 rear)
- Traction Compound Allowed
- Tire tread pattern may not be modified. Natural wear only (tires may not be sanded or ground down). Tread pattern must be visible across the entire width of tire and

around the complete circumference of the tire.

16. NO WEIGHT MAY BE ADDED TO THE BODY OR CHASSIS

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