

**Quarter Scale** 

MidWest Series rules based on the existing rules for Celina Ohio Quarter-Scale RC Drag Racing club.

# **GENERAL RULES:**

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Exhaust System: Mufflers or tune pipes permitted. Any configuration as long as it stays within the width length of the car.

Fuel System: Fuel system and other components must be secure and away from heat/ moving parts.Pump gas or race fuel permitted.

Clutch: All cars in competition must use a centrifugal clutch.

Brakes: All cars must show stopping ability and may be tested at any given time.

Clearance: Suggested to have a minimum of 1" ground clearance at the lowest point. This is to include the body. This will not be checked. If your car triggers a red light on the starting line it will be treated as a foul.

Carburetor: Only one carburetor per cylinder. Velocity stacks are permitted. Throttle return-spring must be utilized to force throttle closed.

Air Filter: Not mandatory, but if used any make of filter may be used.

Engines: All engines must be a weed eater, chain saw, and lawn blower origin. Other acceptable motors include any engine that is designed for the hobby industry.

Wheelie bars are permitted.

Ignition: Must be spark plug type ignition. (No Glow engines)

Bodies: Bodies must be painted. Windows may be clear, darkened, tinted, or reflective, but must be differentiated from the main body color.

Radio: Must be FCC approved and on an approved ground frequency. All radios must have a Fail Safe function.Receiver and batteries: Must be securely mounted.

Kill Switch: Mandatory. Must be clearly marked and easily accessible under all situations.

- Staging: Drivers must be able to stage without assistance. Once
- both cars are staged any red lights will be treated as a foul. Bodies
- that are low and trigger the lights will be treated as a foul start.

#### PRO-STOCK

- · Modifications to engines are permitted
- Carburetors may be altered.

• Must be a full-bodied car or truck Must resemble stock with design liberties by the manufacture. Must have a Pro-Stock scoop or injector scoop permanently mounted to the hood. Trucks may use a cowl.

Wheel base: 24 to 26"

• Rear spoiler mandatory. Any size rear spoiler will be permitted. (Must be true scale). Spoiler may be molded into the deck lid. Spoilers are to be no wider than widest point of the rear car deck lid/truck bed.

- No minimum weight of car:
- Tires of any compound permitted. Must fit within the body. Max 4" wide.

# FUNNY CAR

- Engine modifications permitted
- Carburetor may be altered and does not have to be from the original manufacture
- Bodies must be of Funny Car origin.
- Wheel base is: 25 to 31".

• Rear spoilers optional, Not to be more than 1" above the roofline. May not be molded into the deck lid.or be wider than the widest point of the rear deck lid.

- Front and rear suspension optional.
- No minimum weight of car.
- Tires of any compound are permitted , Must fit within the body.

Maximum 4" wide, Minimum of 7" tall, Maximum of 9" tall

# **TOP FUEL**

- Engine modification is permitted.
- Carburetor may be altered and does not have to be from original mfg.
- Must resemble a Top-Fuel Dragster.
- Wheel base: 45" to 75"
- Rear wing mandatory
- Front and rear suspension optional.
- No minimum weight.
- Tires of any compound permitted. Maximum of 5"wide, Minimum of 7" tall, Maximum of 10" tall

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1.) Each car must be inspected to ensure compliance with the specifications for the class in which it enters.

2.) Each record run must have a back-up performance within 1% of the record mark during the same event. If two runs by the same competitor exceed the existing record mark, but are not within 1% of each other, the lower elapsed time may serve as the back-up for the higher one which will stand as the new series record. Speed (MPH) records must also have a back up within 1% of the record.

3.) The contestant is responsible for notifying the race Director that the vehicle may have set a Series Record. The contestant must immediately have the catch person return vehicle DIRECTLY to the Race Director for technical inspection following the run. Midwest RC Drag Racing Series makes every attempt to track current records but the final responsibility is with the racer.





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# Flat Pan Chassis Class

•Motors .21 up to .32

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•Hood Scoops--Blowers Accepted...Rear Wing accepted

•No Indy car or CanAm Bodys allowed.

# **Tube Chassis Class**

- •Motors .27 up to .46
- •Chassis Must have a Min of 50% Tube chassis (New Era--- Nitro Rage RC)
- •Weight Min 4lbs
- •Rear Tire Min 3 3/4" tall
- Wheel Base Min: Door Car and Altered 12" WB...Funny car 16" WB....Dragster 30"WB

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Any body designed and/or marketed as a 1:10 scale funny car body allowed. Tires and other components (except wheelie bars and radio antenna) must be fully inside by the body. Wheel wells must be cut out.

Rear spoilers are allowed with no size limit and may be attached to the rear trunk area. No elevated detached wings allowed.

Wheel-Driven only, no rockets orJets • 14" maximum wheelbase • 44 oz. minimum weight

# **Electric Rules:**

Motor must be equipped with a quick disconnecting motor power device (rip cord) that is clearly marked and accessible from outside the body.

10 cell battery maximum - NiCd or NiMH Cells only - No MAH Limit

# Nitro Rules:

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Up to .28 cubic inch engine Any Internal Mods Allowed

Must have operating throttle return spring, constructed of steel.

Exhaust must deflect 90 degrees or upwards

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Street Classes



# **SPORTSMAN STREET and PRO STREET**

Designed for the FOUR WHEEL DRIVE electric or nitro Sedan-style racers. Any street/sedan/touring body up to 200 mm wide allowed. Tires and other components (except radio antenna) must be fully inside by the body. Wheel wells must be cut out.

AllI cars Must be Four-Wheel Drive, Wheel-Driven only, no rockets orJets • 11" maximum wheelbase • 48 oz. minimum weight for both Sportsman Street and Pro Street

• **Sportsman Street** class cars run whatever wings or spoilers are included in the original body packaging (kit or bag) only. No additional wings, spoilers or scoops allowed.

• Rear wings and spoilers are allowed in **Pro Street** only with no size limit and may be attached to the rear trunk area. **Pro Street** cars should also have a full-size hood scoop.

# Electric Rules:

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Motor must be equipped with a quick disconnecting motor power device (rip cord) that is clearly marked and accessible from outside the body.

7 cell battery maximum - NiCd or NiMH Cells only - No MAH Limit for SPORTSMAN STREET

10 cell battery maximum - NiCd or NiMH Cells only - No MAH Limit for Electric PRO STREET

# Nitro Rules:

Up to .18 cubic inch engine Any Internal Mods Allowed for Nitro SPORTSMAN STREET

Up to .21 cubic inch engine Any Internal Mods Allowed for Nitro PRO STREET

Must have operating throttle return spring, constructed of steel.

Exhaust must deflect 90 degrees or upwards

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Any body designed and/or marketed as a 1:10 scale ProStock body with molded in hood scoop allowed. Tires and other components (except wheelie bars and radio antenna) must be fully inside by the body. Wheel wells must be cut out.

Rear spoilers are allowed with no size limit and may be attached to the rear trunk area. No elevated detached wings allowed.

Wheel-Driven only, no rockets or Jets • 11" maximum wheelbase • 38 oz. minimum weight

# Electric Rules:

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Motor must be equipped with a quick disconnecting motor power device (rip cord) that is clearly marked and accessible from outside the body.

6 cell battery maximum - NiCd or NiMH Cells only - No MAH Limit

# Nitro Rules:

Up to .18 cubic inch engine Any Internal Mods Allowed

Must have operating throttle return spring, constructed of steel.

Exhaust must deflect 90 degrees or upwards

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# **PTO MODS** PRO MOD and OUTLAW PRO MOD



Any body designed and/or marketed as a 1:10 scale ProMod body allowed. Scratchbuilt or modified RC truck or onroad/oval bodies will be allowed only with the Race Directors prior approval. Tires and other components (except wheelie bars and radio antenna) must be fully inside by the body. Wheel wells must be cut out.

Rear spoilers are allowed with no size limit and may be attached to the rear trunk area. Elevated detached wings only allowed if there is no other spoiler on the rear of the car.

Wheel-Driven only, no rockets orJets • 12" maximum wheelbase • 42 oz. minimum weight both classes.

# **Electric Rules:**

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 Motor must be equipped with a quick disconnecting motor power device (rip cord) that is clearly marked and accessible from outside the body.

• Pro Mods use 8 cell battery maximum - NiCd or NiMH Cells only - No MAH Limit

• Outlaw Pro Mods use 10 cell battery maximum - NiCd or NiMH Cells only - No MAH Limit

# Nitro ProMod Rules:

Up to .18 cubic inch engine Any Internal Mods Allowed in Pro Mod

Up to .21 cubic inch engine Any Internal Mods Allowed in Outlaw Pro Mod

Must have operating throttle return spring, constructed of steel.

Exhaust must deflect 90 degrees or upwards

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Any body designed and/or marketed as a 1:10 scale dragster body allowed. Scratchbuilt bodies will be allowed only with the Race Directors prior approval. Dragsters should have an opaque "sharkfin" on the nose to provide a positive light beam break for the timing system.

Wheel-Driven only, no rockets orJets • 30" maximum wheelbase • 46 oz. minimum weight

# **Electric Rules:**

Motor must be equipped with a quick disconnecting motor power device (rip cord) that is clearly marked and accessible from outside the body.

12 cell battery maximum - NiCd or NiMH Cells - No MAH Limit

Lipo/LiMn powered Dragsters will run in their own Unlimited class, no weight restrictions.

# Nitro Rules:

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Must have operating throttle return spring, constructed of steel.

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# **General Racing Rules**

The following rules will apply to any and all Midwest RC Drag Racing Series Events. By entering vehicles, and paying the entry fee, you agree that you will follow all Midwest RC Drag Racing Series rules to the best of yourability.

Every member must agree to follow these rules. By participating in any Midwest RC Series event, you agree to these rules as well as any decisions made by the event officials.

The Midwest RC Series, race facility owners or operators, event sponsors or any officials shall not be held responsible or liable for loss, damage or injury resulting from competing in a Midwest RC Series sanctioned event.

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# Event Officials and Authorities:

Event Officials- The designated Event Officials have the authority to render decisions regarding all aspects of safety and competition, and behavior of the contestants. This authority includes the right to expel, or disqualify any contestant from the event. The member and/or participant agree to be bound by the decisions of the designated event officials. Assault by any member and/or participant shall result in a suspension from Midwest RC Series sanctioned competition for a minimum of 180 days.

The Event Officials shall make every effort to base their decision on their knowledge as to (1) the original intent of the rule in question, and (2) whether it renders a competitive advantage to the individual subject to the dispute.

Event Cancellation <sup>^</sup> Events cancelled due to weather or acts of God may or may not be rescheduled. Entry fees received on event day will be refunded.

# Qualifying:

Contestants are permitted one car per class entered in any event. The Event Director may permit a contestant to change cars under the following conditions:

1.) All previous qualifying times are voided.

2.) The contestant must re-qualify within the time period allotted in the normal race event schedule. No changes are permitted after qualifying has been completed.

3.) Once a contestant enters a class, he/she must remain in that class for the entire duration of the race.

#### Ladder Charts:

Competition pairings are based upon the established "ladder" charts. Qualifying elapsed times determine the ladder positions. In a 16 car field for example, the ladder chart may look like this: 1 vs. 16; 2 vs. 15; 3 vs. 14, etc. Once the pairings are established, they are not change unless the designated Race Officials determine there is sufficient justification. In situations where the field is not filled, the ladder chart type is determined by the number of contestants.

#### Single Passes:

A competitor is declared the winner of a Single Pass once the car has staged and the Green start light is activated. If a competitor crosses a lane boundary

during a Single Pass, the elapsed time is voided for lane choice determinations.

#### **Disqualification:**

All instances of disqualification are subjected to the "First or Worst Infraction" test with the final determination being that of the Event Director. The following specific infractions are grounds for disqualification, suspension, or expulsion:

- 1.) Failure to report to the staging area as called.
- 2.) Intentional delay of a run
- 3.) Foul start (dual runs only).
- 4.) Crossing the center lane boundary (or contact with the outside boundary at the discretion of the Event Director).
- 5.) Contact with any track-timing fixture.

6.) Un-Sportsman-like conduct, inappropriate or foul language, or conduct determined to be disruptive to the racing environment.

7.) Any condition deemed, unsafe, unfair, or out of order is considered worse than a foul start. (Example: Crossing center line, hitting wall, loss of car control)

#### Shutdown Marshals (buddy system)

Competitors must provide a pit crew member, which shall remain a minimum of 10 feet from the track edge (in the shut down area) while awaiting the arrival of their assigned car, to retrieve the car, shut off the receive and disconnect the motor power after the completion of each race.

#### Staging and Lane Choice:

1.) No competitor may enter the staging area until directed by the Starter.

2.) Competitors will have 1 minute to stage their cars once their opponent has staged.

3.) No part of the car shall extend forward of the starting line when staged.

4.) Competitor with the lowest elapsed time in qualification will have lane choice. Ties are decided by MPH.

5.) Competitor with the lowest elapsed time in qualification will have radio frequency choice. Competitors unable to change frequency shall forfeit the elimination race.

6.) Competitors may not touch or assist their car in any way once it has been staged and the tree has been activated.

7.) Once in position, Competitors may not leave the starting line area during elimination races without the permission of the Starter.8.) A vehicle is considered staged when the driver or designated person releases the vehicle and returns to an upright position.

#### Nitro Staging

1.) Flameouts - Competitors may restart once after initial staging. Nitro drivers are considered staged when both drivers remove their hand from the vehicle. At that point the starter will activate the tree as quickly as possible.