

## **2016 Mad Dog RC Demo Derby Rules:**

1/10th Scale Traxxas Slash or Rustler, or similar Short course trucks.

Aluminum Bodies only. Can only use signage (For Sale/Beware of Dog/Etc.) or coil stock. Must be bendable! Anything heavier than coil stock is not allowed and will NOT run.

8-inches tall, minimum – top of car roof to ground

5” tall, minimum – top of car hood/trunk to ground.

23’ long, minimum on Slash – 22” minimum on Rustlers

12” wide, max

Weight: ~7 pounds max with battery.

No weight added to frame/body

Any tires/wheel combo

Two-wheel drive (rear) only (4wd discouraged, if run, remove front drive)

Any shocks.

No homemade suspension parts, chassis or driveline parts.

Any “single” 2s battery with a maximum of 7800 MAH. Battery must fit in OEM tray (6.25” long, 1” tall, 1.75” wide). No double battery setups.

Any motors, brushed or brushless.

No reinforcing of the body or the frame. C-Channeling/tubing only allowed in Bumpers and Halo bar.

May use rivets or small screws to assemble body.

Max of 14 screws/rivets allowed in the trunk lid, 14 max for hood as well.

Can only attach hood from either q-panel or hood, not both.

Four point cages allowed. Corner bracing allowed. Metal can only be tripled and no wider than 3/4”.

Positively no crawler cages.

Halo and window bars allowed. Metal can only be doubled and no wider than 3/4”.

Single layer of metal for entire body, except at joints where you connect body parts together. Only allowed 3/4” area at the joint.

Bumpers may be up to 3 layers thick. May use curtain rods.

Body will be held on in four OEM locations only, and by pinned OEM or screw-on mounts.

May mount through body or through cage bars.

A fifth attachment point is allowed in the form of a skid plate (2.5 x 3 inches folded twice), and may be secured to the front of the chassis bumper by a single (1) self-tapping screw. The plate should attach to the aluminum body with 3 rivets or screws and should attach to a single-layered core support. It should not loop through the existing traxxas-style on-board bumper.

A body must remain connected by at least two OEM mounts. If a body is flapping off the chassis causing other cars to only make contact with chassis, car will be removed due to the decreased chances of a potential roll-over. May use bolt / wing nut homemade body mounts.

No decking over motors/full decking/shoe boxing. Cockpit area should be open on sedans, and through to back tailgate on wagons. Come prepared to cut these areas out. When you look through a car window, you see to the floor area - when you look through the windows of the RC car, you should see the plastic chassis. Station wagons are allowed 2 total rear support straps that are attached to rear cage and extend to tailgate, may only reach 2 layers and 1” in width. Trucks/sedans must cut out metal between the cages. Trucks allowed to have decking same as sedan.

Major build point: no weights added, no bodies wrapping tight around or under bumpers. No bracing / kickers.

Homemade front / rear bumpers outside the body/mounted to the body are acceptable. No welding.

No solid-form cars (melting metal, casting a body, press/stamping body form).

## **Procedures**

Heats and Feature – Based on total car entries. Minimum of 2 heats and 1 consi to advance to the Feature/Main.

At least 2 officials (drivers not in competition or in that heat/consi/feature may be asked to assist) will be stationed with clip boards and stop watches, scoring roll overs for all cars.

Each heat you will be allowed 2 roll-overs (exiting arena & being stuck on the wall counts as a roll over). If you are rolled over a 3rd time, you are eliminated and officials will unhook your battery. There is a 30 second clock that starts once your car is turned on its side, roof, or is stuck. Other cars can intentionally or unintentionally roll you back upright.

There is a 30 second "hit count" on each car. If you are not able to make a hit on another car within 30 seconds, you will be black-flagged. Typically, this is for inoperable or heavily damaged cars.

If 2 cars are stuck together and can't move, the officials will untangle them if they can't do so on their own.

Officials will monitor sand-bagging. They will determine sand-bagging by judging the acceleration the car makes for hits that would roll another car. Obviously sitting in a corner not making hard hits is sand-bagging. No need to explain more as it's obvious when it occurs. Officials will first give a warning on driver's 1st offense. 2nd offense and after results in officials docking the car a rescue or elimination (if they are out of rescues).

Like a real derby, eliminated cars will not be taken from the track. Officials will however unplug their battery.

Once an event on track has elapsed a certain time frame - heats ~20 minutes, the feature ~25 - the rescue rule will be waived and the remaining entries subject to one-and-done perils, unless otherwise disclosed at each event's drivers' meeting.

Once cars pass inspection, they are held by the officials to prevent drivers from making illegal modifications after being passed for inspection. After the heats, you are allowed to work on cars. After we determine the winner of the feature, drivers are not allowed to come into arena, nor touch their cars. Officials will hold post-feature inspection which includes weighing the cars on the scales once more (to prevent drivers from making illegal alterations after passing inspection after they complete their heat).

**SPORTSMANSHIP** – We demand everyone to come here and have a good time and treat everyone with the upmost respect. No fighting, complaining, or bickering with other drivers and/or officials. This goes for drivers and everyone that comes with them (pit crew/fans). Everyone's goal is to get 1st place, but it's the purpose of having fun that makes this hobby enjoyable.

We tried to mention everything we could think of on here that was legal or illegal. If we missed something, please contact us at Iowa Mad Dog RC Demo Derby on Facebook or contact Brad Witt at 515-971-6222.