



CHI-TOWN RC DEMO DERBY VEHICLE RULES



Revised: February 6, 2017

1. All RC trucks must be 1/10 scale 2-wheel drive only
(Prefer SCT or stadium truck)
2. Must remove front driveshaft on 4-wheel drive vehicles
3. No all-wheel drive vehicles
4. Bodies must be aluminum and made from coil stock or similar with a maximum thickness of .024
5. All motors should be 1/10 scale motors and as close to stock as possible either brushed or brushless. (No massive motors)
6. Any shocks - Strut bars are allowed in place of shocks
7. Any tire/wheel combo
8. Any Steering Servo
9. 1 battery to operate the vehicle and must fit in stock tray
Maximum battery size is a 5800mah 2S Lipo. No double battery setups allowed.
10. Bodies must look like a stock built derby car body (no tucked looking trunks) Cars cannot be ramped (must be able to hit solid)
11. 12 rivets or self-tapping sheet metal screws are allowed to hold the hood
12 rivets or self-tapping sheet metal screws are allowed to hold the top (sedan)
16 rivets or self-tapping sheet metal screws are allowed to hold the top (wagon)
10 rivets or self-tapping sheet metal screws rivets are allowed to hold the trunk
Maximum rivet size is 3/16 and maximum screw size is #8 x 1/2"
Washers can be used on the backside of the rivets **BUT CANNOT BE USED ON BRACES**
(1 washer per rivet)
Expanding type rivets can be used in place of rivet/washer **BUT CANNOT BE USED ON BRACES**
No washers can be used with expanding style rivets or self-tapping sheet metal screws
No nuts and bolts of any kind can be used on the body or braces
12. Bumpers should be made from the same aluminum coil stock and can be held on by a maximum of 10 rivets or self-tapping sheet metal screws (5 on top row & 5 on bottom row)
Homemade front and rear bumpers outside the body and mounted to the body are acceptable but can be no more than one layer thick of the .024 aluminum material and bent to a "C" channel.
13. **NO DOUBLE LAYERING OF BODIES ANYWHERE**
Only 1 inch overlaps are allowed at seams including repairs
Reclips can only have 1 inch overlap
Repairs must use existing holes and minimal extra rivets
Repairs must only have 1 inch overlaps and be **UNDER** the repaired area
You must be able to see all seams, repairs and rivets
No duct tape unless OK'd by an official first
No full body wraps (you can cut them to fit the flat areas)
14. On all bodies, other than those purchased from JMW Motorsports **NO BODY LINING ALLOWED.** On JMW Motorsports bodies, No extreme body-lining. Body lines duplicating ones like a real car are acceptable. However, **NO** stiffening lines running the length of the hood, roof or trunk are allowed.
15. No crawler cages
16. No kickers of any kind
17. No weight added to the frame or body
18. 1 aluminum brace is allowed across the front of the body
Front brace can only be mounted from the front (core support) of the body by a total of 5 rivets
(Not from the hood)
1 aluminum brace is allowed on each side of the body
Side braces can use a maximum of 10 rivets or #8 x 1/2" self-tapping screw per side to attach to the side of the body
Braces must be attached to the body not ran down the center
Braces cannot be angled as kickers
Braces cannot be fastened to each other
Braces must have standard bulb style rivets used to secure them to the body with no backing of any kind
NO BRACES ACROSS THE BACK OF THE BODY
Braces must be mounted on the inside of the body
Braces must be 1/2" x 3/4" x 1/2" aluminum C channel or smaller and cannot be thicker than 1/16 of an inch or on JMW bodies no more than three layers thick of the .024 aluminum material for cages and should not exceed more than 3/4" in width



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19. An aluminum 3/4"x3/4" L brace with a maximum thickness of 1/16 of an inch is allowed across the bottom of the windshield & back window
20. Maximum thickness of bodies & aluminum coil stock used cannot exceed .024 thickness
21. Cock pit area should be open on bodies. On JMW Station Wagons a single-layer deck with no fold-overs may run from the back bumper and arc up to the rear body mount or cage bar. It can be attached in only two spots, the back bumper/tailgate and the cross bar. It is expected there will be three to five fasteners at each point. The deck cannot connect to the quarter panels, and may not be included in any patching process. Sedans have a trunk lid and cannot do this. On Trucks: No decking of the bed is allowed. When you look through the windows you should see the plastic chassis.
22. WAGONS
You are allowed a 1 inch 90-degree bend across the top of the tailgate
A 3/4 x 3/4 X 1/16 aluminum L angle can be ran across the back of the wagon for the body mounts to fasten into. It can only be fastened to the side braces by 1 rivet on each side and this is allowed only if you have not done the interior decking as mentioned in #21.
23. Body mounts must in stock location and be stock plastic or RPM replacement and the body clips can only be used to secure the body to the chassis.
24. No aluminum or homemade body mounts
25. No homemade front or rear bumpers on chassis
Front and rear chassis bumpers must be stock plastic or RPM
No foam style bumpers
WE PREFER YOU RUN FRONT AND REAR CHASSIS BUMPERS
26. Windows need to be cut out not painted on
27. Bodies cannot exceed 26 inches in length
12 inches in width or 8 inches in height
Ride height can be a minimum of 6 1/2" from table to roof
Roll bar/headache rack must be made of single layer coil stock and cannot extend more than 1 inch above the top of the car.
28. Maximum weight is 7.5 lbs with battery
29. Keep paint & numbers clean
(No profanity)
Maximum roof number plate size 3 1/2" x 3 1/2" x 1" wide
Numbers need to be on a roof plate
(On doors is optional)
30. Please be ready to make any changes if your car does not meet these requirements before you run
ASSUME ANY GREY AREAS ARE ILLEGAL UNLESS YOU GET IT OK'D BY AN OFFICAL!!

Any questions feel free to contact me:

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You can visit us at www.Chi-TownRC.com or find us on Facebook @Chi-Town RC Hitmen Demo Derby Crew

PLEASE NOTE THAT FOLLWING THESE RULES WILL ALLOW YOU TO PARTICIPATE IN THE FOLLOWING GROUPS OF R/C DEMO DERBY:

Chi-Town Hitmen R/C Demo Derby Crew:

<https://www.facebook.com/groups/ChiTownHitmen/>

Illiana RC Demo Derby Club:

<https://www.facebook.com/search/top/?q=illiana%20hcr%20rc%20demolition%20derby%20club>

Russells RC Derby Barn*:

<https://www.facebook.com/search/top/?q=russells%20rc%20derby%20barn>

**To run in Russell's, you must have side bracing and minor trackside modifications to the body. For more info on this please contact Ed Russell through his FB page. above*

Derby Bodies with side bracing to meet these rules are available in kit or pre-built form currently through Russell's Derby Barn or you can build your own following these rules.

<https://www.facebook.com/russellrcderbybodies/>