

2010

**CANAAN FAIR ASPHALT SPEEDWAY
FOUR CYLINDER YOUTH RACER RULES**

**CFS DAREDEVIL YOUTH RACER
EXPECTATIONS
SPECIAL RULES & GUIDELINES!**

CFS Daredevil Youth Racing is designed to teach youngsters between the ages of 10-14, good sportsmanship, respect, and learn the proper way to become tomorrows racing stars. There are no points awarded, no cash to receive, only trophies. The reason for this is to eliminate competitiveness, and to teach the youngsters the proper way to race without any pressure on them. The following bullet points are what is expected of both driver and parent / guardian.

1. **FUN!!!!** This program is designed to be fun for both youngster and parent(s) / guardian. If you can't do it for fun, don't do it.
2. Absolutely **NO** pressure is to be put on the youngster to perform. Each one will progress at their own rate. It doesn't matter how fast they go, what matters is that they are under control at a speed they feel comfortable with.
3. The Director of Competition will operate several driving schools for the Daredevil Youth Racers. These schools will be announced in advance and all Daredevil Youth Racers and crew members are expected to attend. Schools will be held on race days, and will be held late mornings into the afternoon, prior to pits opening for the regular card of racing.
4. Kids are going to wreck cars! If you are unable to handle this happening, whether your son or daughter, or someone else's caused the wreck, than this sport is not for you. The very first time a parent or driver goes into another teams pit for any reason, except to have a pleasant conversation, That person, plus the driver will be suspended for a minimum of four (4) events, plus be handed a fine of \$250. You also will have to apply for reinstatement. Fine must be paid before reapplying for reinstatement.

5. **Youngsters can get hurt. If your child is involved in an accident, you must remain in the pits. When emergency officials deems it is necessary for a parent to come out, or the scene is secure, you will then be escorted to the scene by a track official, or by a police officer. Penalties and fines will be handed down for non-compliance with this rule. We as parents know how hard it is to follow this rule, but it has to be done this way so that the safety officials get to do their jobs without any interference.**
6. **Please enjoy playing with your kids. Teach them good sportsmanship and respect for their equipment, and other racers. Everyone will develop at their own pace, so please don't pressure them. Swearing and yelling at your child is totally unacceptable behavior. Please practice good parenting skills.**
7. **Swearing and unsportsmanlike actions from any Youth racer will not be tolerated. Anyone found doing this can face suspension and fines.**
8. **This is suppose to be fun. If it is not fun, don't do it.**
9. **The main reason for no points is that so families can miss an event if necessary without feeling any pressure. Special events come up for all of us, and with this system, it allows flexibility for your family.**
10. **MOST IMPORTANTLY!!!! HAVE FUN!!!!**

SPECIAL MANDATORY SAFETY NEEDS!

The following things are mandatory to compete in the Daredevil Youth Racer division at CFS:

1. **D.O.T. or S.N.E.L.L. approved, full face helmet with shield that fits. Make sure helmet is the right size for your child. Too big or too small is unsafe.**
2. **A minimum of a foam neck collar is required. Hans Devices and Hutchens Devices are highly recommended.**
3. **Racing gloves are mandatory.**
4. **A full racing suit without holes or heavy grease stains is required.**
5. **Racing shoes are recommended. If no racing shoes, than work boots are the minimum requirement. No Sneakers!!**

6. An aluminum racing seat that fits their body.
7. Five point harnesses. Nothing older than three years is allowed in a youth racers car.
8. Scanner is mandatory.

COMPETING MODELS:

1. Any American or Foreign made hardtop sedan, lift back or pickup truck up to and including current year.
2. No sports cars or two passenger cars allowed.
3. No Camaros, Firebirds or any other leaf spring cars allowed.
4. Maximum wheelbase is 108"

BODIES:

1. All body panels must remain stock appearing.
2. All doors must be securely fastened (welded, bolted or chained) closed.
3. Hoods may be gutted, must have a minimum of three (3) hood pins.
4. Trunk lid may be gutted. Must have a minimum of two (2) hood pins.
5. Door handles must be removed, and covered with sheet metal or aluminum.
6. Vehicles with t-tops or convertibles are not allowed. Sun roofs must be removed and covered with a minimum of 22 gauge steel.
7. Stock type front and rear bumpers mandatory. Must remain in stock position and must be closed on the ends.
8. All glass must be removed with the exception of the windshield. Windshield may be replaced with a lexan type material or a screen. Windows may be replaced with lexan except for front driver's side window.
9. Stock dash may be removed and replaced with sheet metal.
10. Passenger rear seat and all flammable material must be removed.
11. Stock floorboards and firewalls must remain stock. All holes must be covered with minimum 22 gauge steel.
12. No boxing in of driver's compartment allowed.
13. Quick release steering wheel recommended.

FRAMES:

1. No tube frames.
2. Frames must remain stock.
3. Uni-bodies may connect front and rear as long as both sides are done the same way.

4. Minimum frame height is 6'. Measured between the wheels.

WEIGHT RULES:

1. All vehicles have a minimum weight of 2,150lbs with driver.
2. Front-wheel drive maximum left side weight 52%, rear-wheel drive maximum left side weight 54%
3. Vehicles will be weighed prior to feature
4. All added weight, lead or steel, must be bolted or boxed securely in front of rear axle, on the inside of the car on the right hand side.
5. On any team's third victory, 25lb. will be added to the center of the right side of the car. An additional 25lbs. will be added for each victory thereafter. This rule will be enforced at the discretion of the Director of Competition.
6. All lead must be painted white with car number labeled on it.
7. In fairness of competition, the Director of Competition reserves the right to add weight or adjust weight percentages as deemed necessary.

ENGINES:

1. Four cylinder engines only. No turbo, superchargers, or rotary engines allowed.
2. Engines and transmissions must remain in stock manufacturing line: GM for GM, Ford for Ford, Volkswagen for Volkswagen, etc.
3. Any type of engine or transmission mount allowed. Must be mounted in stock position only.
4. Pickup Trucks may have a maximum of one (1) sparkplug per cylinder.
5. All cars with electric fuel pumps MUST have an electrical shut off switch that has to be clearly labeled ON and OFF, and must be located in the middle of the dash or mounted on the center bar of roll cage next to battery kill switch.
6. Stock rods and crankshafts.
7. No polished or ported heads, intakes or exhaust manifolds.
8. Starter and alternator must be working. No alternator shut-off switches allowed.
9. No after market oil pans allowed.
10. Exhaust manifolds must be stock. Exhaust manifolds only, no headers or header type manifolds. VW's may only use single outlet exhaust manifold, except 16 valve VW's may use dual outlet exhaust or stock exhaust manifold for make, model and year.
11. Maximum 2.25" O.D. for all exhausts. Exhaust must exit behind driver compartment, and exit under the car, NOT OUT THE SIDE! Any vehicle having the exhaust exit out the side will have one meet which includes only their initial

night to comply. After that initial night they will NOT BE ALLOWED TO COMPETE!

12. Mufflers are mandatory, and must pass a 96 decibel test.
13. New cars that enter after the first four scheduled race meets of the season will be allowed thirteen (13) CONSECUTIVE CALENDAR DAYS from the date of registration to comply with muffler and exhaust location rules.
14. Electric fans may be used.
15. Must have radiator overflow tank.
16. Any part with serial or part number removed or altered will be deemed illegal.
17. The track reserves the right to bring in a specialist to determine whether a racecars components are within stock requirements.
18. Positively No Anti-Freeze/Engine Coolant or other glycol based liquids allowed. Water and only red approved water-wetters allowed. No green. Any driver found using such fluids will be subject to a \$250 fine.

MAXIMUM ENGINE SIZES:

- A. Volkswagen – 2.0 liter maximum
 - B. Ford – 2.3 liter maximum, no 2.5 liter blocks
 - C. Volvo – 2.3 liter maximum
 - D. Toyota - 2.4 liter maximum
 - E. Honda - 2.5 liter maximum
 - F. GM - 2.5 liter maximum
 - G. Chrysler/Dodge - 2.5 liter maximum
 - H. All other models must be approved by tech committee to compete!
19. All vehicles must have engine size visible on hood or windshield area.
 20. Carburetion/Injection must be stock for make of automobile.

TRANSMISSIONS & REAR-ENDS:

1. No locked rear-ends.
2. No welding of gears.
3. Stock transmission.
4. No diesel transmissions allowed.
5. Clutch - any single disc clutch.
6. Stock fly wheels only. No lightening allowed.
7. 2” inspection hole is mandatory so flywheel and clutch assembly may be inspected visually.

8. If rear wheel drive car and drive shaft runs from motor in front to rear end in rear, it must have two (2) drive shaft safety loops made of ¼" X 2" steel. Drive shaft must be painted white with car number on it.
9. All gears, forward and reverse must work!
10. Torque converter must be used.

TIRES AND WHEELS:

1. Maximum 60 series or narrower DOT radials allowed.
2. Tires must be all either 13", 14" or 15" tires.
3. Size may differ one size for stagger. EXAMPLE 185-195, 195-205, etc.
4. 15" is the maximum wheel size.
5. Racing wheels are allowed.
6. All wheels to be a maximum of 7" wide.
7. No wheel spacers or adaptors plates allowed.
8. Minimum tire tread wear number is 200.
9. All tire sizes and tread wear numbers MUST be marked on the outside and inside of the tires with either a white or yellow paint marker or crayon.
10. No tire may be used that has a market RETAIL PRICE greater than \$100.
11. 1" steel lug nuts highly recommended on all wheels.
12. 1" steel lug nuts mandatory on right front wheels.
13. Right front wheel may be reinforced for safety reasons.
14. The Director of Competition reserves the right to implement a track tire rule or adjust the tire tread wear rule if deemed necessary as for the best interest of competition.

SUSPENSION:

1. Springs must be stock and match from side to side. Fronts both must match, and rears both must match.
2. Springs must have same number of coils, same coil diameter, same wire diameter, same free height.
3. Wire diameter will be allowed a maximum .050 tolerance.
4. No adjustable shocks or struts allowed, (internal or external adjustable)
5. Must be over the counter brands such as Monro Sensa-Track, etc. No aftermarket racing shocks or struts allowed.
6. All shocks and struts must be approved by Tech Official and their decision is final.
7. Serial numbers must be intact and legible for inspection.
8. Spring rubbers allowed.

9. No jacking bolts, lowering blocks, lowering kits, adjustable cups, or adjustable spring pockets allowed.
10. Camber has been changed on front wheel drive vehicles to the following: Right front 2", Left front "1, rear-end straight up and down, maximum 1/2" tolerance on rear only. All camber will be measured on the rim with a digital indicator and a framing square. The only correct place to measure your camber is in the tech building.
11. All rear wheel drive cars are allowed 2" of camber on the right front, 1" on left front, and rear-end straight up and down with a tolerance of 3/8" on right rear, and 0 camber on the left side.
12. Altering of suspension components and/or mounting points to get your 2" of camber is legal. Should be able to attain 2" by grinding out top of strut tower.
13. Camber will be measured with driver in the car.
14. Tech officials reserve the right to adjust due to damage.
15. Wheel base must remain within 1" side to side, rear ends will be straight up and down.

ROLL CAGE AND SAFETY REQUIREMENTS:

1. Minimum size of roll cage tubing is 1 1/2", .095 thick.
2. Minimum four point cage required.
3. Hatchback type chassis may not have tubing extending beyond the rear axle.
4. All cars must have trunk area sealed.
5. Cars may be braced from the front roll cage to the rear of the front strut towers, and from the rear of the roll cage to the front of the rear strut towers. Left and right side bracing is allowed.
6. Four curved bars in driver's door and three bars in passenger door are mandatory.
7. A horizontal bar is highly recommended from between the two uprights and the dashboard bar.
8. Seat must be an aluminum racing seat bolted to a steel frame connected to cage in original position. Must have six (6) – 3/8" bolts, grade 8 with washers. One must be in each corner of the seat (2-3" from the outer edge) and two in the headrest.
9. A support brace must be installed in the rear of the seat.
10. If battery not mounted in stock position under hood, it must be mounted in a safety box that is securely mounted behind the driver.
11. All cars must have a safety cut-off switch on dash or drivers right side crossbar. Must be within reach of the driver and accessible to safety crews from both sides of the car.
12. All cars must be equipped with a minimum five (5) point harness system.
13. Maximum allowable age for belts is three (3) years.
14. Belts are not legal without date tags.

15. All vehicles must be equipped with an approved window screen, equipped with a quick release device. No string nets allowed.
16. A working fire extinguisher with a working sight gauge is mandatory. It must be attached within reach of the driver and accessible to the driver while strapped in. It must be located in the center of the car so that it may be reached by safety officials from both sides of the car. Must be securely mounted with a quick release mounting bracket. Zip ties and duct tape are not allowed.
17. All cars must be equipped with Lexan gas splashguard behind the driver's seat. 1/8" lexan mounted to cage behind drivers seat. Works to keep gasoline off from driver in case of fuel cell disruption.
18. Stock fuel tank allowed.
19. Stock fuel tank may be replaced with fuel cell. Fuel cell must be enclosed in steel canister. Fuel cell must be held in place by a minimum of four (4) 1" X 1/8" flat steel straps.
20. Minimum five (5) gallon fuel cell allowed. Maximum twelve (12) gallon fuel cell allowed. Fuel cell must be mounted in the center of the trunk floor.
21. All fuel lines passing through the interior of racecar must be enclosed in steel conduit.
22. All fuel cell vent lines must have a check valve.
23. Center of steering wheel must be padded.
24. All roll bars within drivers reach must be padded.
25. Full firesuits are required. Tech Officials may require you to replace your firesuit if it is full of holes or covered in oil and/or grease.
26. Racing helmets must be DOT or SNELL approved.
27. The following safety items are highly recommended: Full faced helmet or goggles. fire retardant shoes, socks and undergarments. Foam neck braces, Hans or Hutchens devices are highly recommended.
28. Scanners are mandatory. **NO TWO-WAY RADIOS ALLOWED.**
29. Gloves are **MANDATORY** in all divisions.

ADDITIONAL RULES FOR PICKUP TRUCKS:

1. Two wheel drive trucks only.
2. Rear-ends may be locked or welded.
3. Beds may not be enclosed.
4. Rear sway bar not allowed.
5. Chassis may be lowered (for safety) within limits of stock suspension components, (lowering blocks only). Must be same from side to side. & front to rear.

6. Number of leaf springs must be the same from side to side. No poly-carbonate leaves allowed.
7. Maximum lowering blocks 1" including any wedges.
8. Minimum ride height for pickup trucks is 5".
9. Fuel cell must be mounted in the pickup bed, centered between the wheel wells of the truck. Must be enclosed in a 22 gauge steel container.
10. Battery will be located to the right of the center line of the rear window, and to the front of the truck bed. It must be fully enclosed and securely anchored.
11. All other Bandit rules must be followed.

NUMBERS & PAINT SCHEMES:

1. All cars must be neat appearing, painted in contrasting colors.
2. Lettering will be neatly done. No Profanity allowed!
3. Numbers will be at least 18" high. There must be numbers on each side of the racecar. There must be a number on the roof, lettered to be readable by scorers on right hand side of the racecar. There must be a 4" number on the upper left passenger side of the windshield, a 4" number on the right front headlight cover, and a 4" number on the right rear tail light cover.
4. The head scorer reserves the right to ask race teams to make their numbers more legible. You will have one week to comply. Failure to comply will result in your car not being scored.

ANYTHING NOT MENTIONED IN THESE RULES SHALL REMAIN OEM STOCK FOR MAKE OF VEHICLE USED UNLESS APPROVED BY TECH. IF IT DOESN'T SAY IT IN BLACK AND WHITE, DO NOT DO IT!!!!

DRIVER ELIGIBILITY:

1. Any driver must be a minimum of 10 years of age by June 1, 2010 to start racing on opening day in the Daredevil Youth Division. Anyone 14 years of age may start in the Youth division and move up to the Bandit class upon turning 14 years of age after June 1, 2010 at the discretion of the Director of Competition.
2. All rules are subject to change by the Director of Competition. It is the responsibility of the competitor to obtain and become familiar with the rules pertaining to the division he/she competes in along with General Rules and written race procedures. If there are any major changes in the rules, a memo will be mailed to each competitor. You will be expected to comply by the next race date, or the date mandated in the memo. It will also be updated on our website.

3. **When you sign your license application, you have signed that you understand the rules and will abide by them.**

4. **The rules and/or regulations set forth herein, are designed to provide for the orderly conduct of racing events, and to establish a minimum acceptable requirements for such events. These rules are intended as a guide for the conduct of the sport and are in no way a guarantee against injury or death to a participant, spectator or an Official. All rules clarifications are void from the previous seasons, and cannot be used in the 2010 season at CFS.**

ANYTHING NOT MENTIONED IN THESE RULES SHALL REMAIN STOCK FOR MAKE OF VEHICLE USED UNLESS APPROVED BY TECH. IF IT DOESN'T SAY IT IN BLACK AND WHITE, DO NOT DO IT!!!!

PENALTIES:

The discretion of the tech department in all matters concerning these rules will be final, and in all cases, all penalties will be determined on a case by case basis by the Contest Board.