

Circle Track Racing

Not long after the invention of the horseless carriage, racing automobiles became a solid North American tradition entrenched deep in the blood of all car enthusiasts alike.

It was the grass root short tracks that spawned the racing icons we have today in NASCAR, ARCA, CASCAR, CART and many other racing associations.

In recent years Drumheller has lost some of its racing history with the closure of the creek race. We believe it's time to evaluate the necessity of a short track to hold events that have the same type of grass roots involvement. We invite the local race fan to feel the adrenaline rush and become an active participant.

As part of our strategic business plan, circle track racing will be an integral part with a varied style of motor sport activities over the spring, summer, and fall.

This type of innovative thinking will pave a new and stronger motor sport tradition for the racing fans to embrace in the valley of Drumheller.



Dinosaur Downs Speedway Enduro Race Rules

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Safety for spectators, officials, drivers and crew is our first concern.
Fire, Flying debris, and impact injuries.
Keep these thoughts in mind when you are stripping and building your car.

1. A word of **WARNING** to Enduro stock car builders:
 - **These Enduro rules are SPECIFICALLY designed to keep the cost of purchasing and preparing a competitive car as low as possible. Money SPENT on an Enduro stock car should be used to make the car safer, NOT faster.**
 - **Attempts to BEND these rules or find and take advantage of a loophole will NOT be TOLERATED.**
 - **If your car DOES NOT conform to these rules, your car WILL NOT race.**
 - **FINAL decision on anything and everything are at the discretion of the Track Tech Officials or by the Race Director.**
 - **If it DOESN'T say you can do it, THEN DON'T do it.**
 - **The Dinosaur Downs Speedway and the Drumheller Stampede & Ag Society reserves the right to alter, amend, add, delete, or modify these rules without prior notice.**

2. General Car Specifications:
 - Open to any make, model, year **NEWER** than 1965 with a **MINIMUM** wheel base of 103" with a naturally aspirated engine. **MAXIMUM** 360 CID
 - **MUST** be 2 wheel drive.
 - **NO** Station Wagons, Convertibles, T-tops, Turbo chargers, Super Chargers, or Nitrous Oxide.
 - 6 cylinder, front wheel drive cars – **SPECIAL** rules apply. Call Larry Duxbury (403) 823 – 5276.

3. Mandatory Stripping of Cars:
 - Remove **ALL** glass **EXCEPT** front windshield (see windshield option).
 - Remove **ALL** lights, lenses, mirrors, and hardware.
 - Remove fuel tank.
 - Remove trailer hitch and **ALL** mounting hardware.
 - Remove **ALL** interior upholstery carpet, and trim (Dash may remain).
 - Prior to tech inspection, car **MUST** be clean of **ALL** loose objects, glass, and debris.

4. Building A Safe Competitive Car:
 - There will be **NO** welding on the car **EXCEPT** where specified.
 - There will be **NO** reinforcement **EXCEPT** where specified.
 - **ALL** cars will be checked for **FOUR WHEEL WORKING** brakes.
 - **PAY** careful attention to the rules and keep safety for you and the others in mind as you build.

5. Driver Roll Cage Protection: (**Note: This Will Be Teched**)
 - All cars **MUST** have a **MINIMUM** of a **SIX** point roll cage.
 - All bars a **MINIMUM** of 1 ¾ " x 0.095 wall thickness.
 - All main cage members **MUST** be **CONTINUOUS** and (**UNWELDED** on minimum pipe size)
 - If roll bars do not attach to the frame, they **MUST** connect to a 6"x6"x1/8" plate **SECURELY WELDED** to the floor.
 - **MINIMUM** acceptable roll cage construction and lay out, refer to Diagram C.
 - All bars that **MAY** come into **CONTACT** with the driver **MUST** be padded.

6. Doors, Hoods, And Trunks:
 - Doors **MAY** be welded or bolted.
 - Driver's inner door panel may be removed.
 - Window nets are **MANDATORY**, refer to Diagram A for installation.
 - Hoods and Trunks lids **MUST** be kept in place at all times.
 - Hoods and Trunks lids **MUST** be hinged in stock location and kept closed by **APPROVED** pins (**NO** bolts allowed).
 - Trunk floor **MUST** have a 6" diameter hole cut in the lowest part of the floor.

- With the rear seat removed **ALL** holes from the driver's compartment and rear deck **MUST** be **FILLED** with a minimum of 22 AWG sheet metal **ONLY** welded, bolted, or pop-rivets (**ABSOLUTELY NO SCREWS**)
- Any sheet metal with exposed edges **MUST** have the edges rolled.

7. Battery:

- **MUST** be relocated to the passenger side floor securely fastened with nuts, bolts, and washers.
- Battery **MUST** be in a spill proof marine type battery box.
- **ONLY ONE** automotive type battery, dry cell, or gel batteries preferred.
- A master disconnect **MUST** be installed in the **LEFT REAR** window compartment of the car. It **MUST** be clearly marked on and off.
- Refer to Diagram F for proper installation and **MUST** kill the cars electrical system.
- If electrical switches are used they **MUST** be uniformed. Up/Forward for on, Down/Back for off.
- It is **STRONGLY** recommended that any electrical system used **BE** fused.

8. Fuel System:

- Fuel leaks or potential leaks will **NOT** be tolerated.
- Fuel tank **MUST** be relocated as far forward between the rear wheel wells as possible. It **MUST** be securely mounted with nuts, bolts, and washers, Metal Straps, and/or ratchet straps. **NO** screws, bungee cords, or perforated straps.
- Brackets can be made to secure fuel tank, but **MUST** be securely mounted with nuts, bolts, washers, or welding
- **MAXIMUM** fuel tank capacity is **16 GALLONS OR** stock fuel tank **REPOSITIONED**.
- Fuel cells are preferred.
- If a plastic tank is used, it **MUST** be in a totally enclosed in a tight fitting steel enclosure securely mounted.
- **ONLY** one fuel tank within a single pick up.
- Tank **MUST** have a screw in fuel cap
- **NO** filler pipes or fuel lines in the driver's compartment.
- Rear ward facing filler necks **MUST** have a flexible neoprene joint in the assembly.
- Only one fuel pump, type **OPTIONAL**.
- Canadian pump gas **ONLY**. **NO** additives.
- A rupture of a fuel tank or fuel leak **WILL** result in an immediate **BLACK FLAG**.

9. Cooling System:

- Any size rad **MAY** be use. **MUST** fit between frame rails in its stock location.
- Fan type **OPTIONAL**.

10. Air Intake, Carburetion, and Exhaust:

- **MUST** have an air cleaner assembly with an air filter element to act as a flame arrestor.
- **STOCK** carburetors or fuel injection **ONLY**. **MUST** bolt to **STOCK** intake manifold with **NO** adapter plates or spacers.
- **NO** performance chips for computers.
- **ONLY FACTORY** exhaust manifolds.
- Exhaust **MUST** exit the car body to the left or the right.
- Holley's or holley type carburetors are allowed **ONLY** if stock to that model and year of car.

11. Bumpers:

- May be interchanged from year to year, model to model, but **MUST** remain **STOCK** to manufacture (GM to GM, Ford to Ford) ect.
- Bumpers may be inverted and trimmed.
- Bumpers **MAY** be welded to the bumper brackets and bumper brackets to the frame.
- **MAXIMUM** of one per bumper bracket piece of 3/16 x 2" flat iron may be placed between the bumper and the bumper bracket for support **ONLY**.
- **NO** truck bumpers.
- Both bumpers **MUST** have tow hooks or chains capable of lifting the car

12. Rims and Tires:

- Rims **MUST** be **STOCK**. Passenger car steel wheels or white or chrome 5 spoke wheels **WITHOUT** alterations.
- Rim offset **MUST** be the same on **ALL** four wheels +/- 1/8"
- Rim size **MUST** be the same on **ALL** four wheels.
- 14" or 15" allowed.
- **MAXIMUM** rim width is 8".
- Valve stem protectors are allowed.
- **ANY** D.O.T. street tire up to HR speed rating. **NO** ZR or VR allowed.
- Will **ALLOW** G60 Dirt Rated Tires.
- **MAXIMUM** tire width 225mm.
- **MAXIMUM** tire width with 118" wheel base or more 235mm.
- 55 to 75 series tires allowed.
- **NO** mud, snow, or sand tires.
- **NO** tire cutting, or burning.
- **NO** wheel spacers.
- **NO** tire fillers, liquids, or solids.
- **NO** studded tires.
- All wheel nuts **MUST** be in place.
- Longer/larger wheel nuts and studs may be used.
- All tire information **MUST** be legible on the side of the tire.
- Tire tubes are allowed.

13. Engine, Transmission, and Differentials:

- Engines, transmissions, and differentials may be interchanged from year to year, model to model, but **MUST** remain **STOCK** to manufacture (GM to GM, Ford to Ford) ect.
- **MAXIMUM** engine displacement 360 CID at a **MAXIMUM** of 9 to 1 compression ratio.
- Iron heads **ONLY**. **NO** aluminium, **NO** 202 valve heads. (**NOTE**: 6 cylinders are not included in the aluminium head rule)
- **NO** porting or polishing.
- Cam **MUST** be **STOCK** OEM number or equivalent.
- **MAXIMUM** 350 horsepower.
- **NO** roller parts, lifters, rocker arms (See Tech Officials)
- **NO** gear to gear cam drive systems.
- Engine **MUST** be mounted on the **STOCK** rubber mounts in **STOCK** location.
- **NO** engine offsetting.
- Engine chain or cable allowed.
- Will **ALLOW** larger capacity oil pans.
- Transmission type **OPTIONAL**. Must be **STOCK** in stock location and mount.
- **NO** adapter plates.
- Standard transmissions **MUST** have a scatter shield of at least 1/4" plate steel at least covering the top 270 ° of the bell housing
- Scatter proof bell housing preferred.
- **STOCK** clutch **ONLY**.
- Transmission chain/cable allowed.
- Transmission cooler **OPTIONAL**. **MUST** be located behind the radiator.
- Shifter type **OPTIONAL**.
- Drive shafts hoops **MUST** be used.
- A steel 360 degree retainer hoop 1/4" thickness x 2" wide **MUST** be placed at the front and rear of the drive shaft with in 12" of u-joint, securely fastened. (See Diagram G)
- Drive shaft may be shortened.
- U-joint caps may be tack welded.
- Rear differential may be **ANY** factory available ratio.
- Locked, limited slip, posi-traction or welded differentials allowed.

14. Steering and Suspension:

- Steering and suspension components **MUST** be **STOCK** and in **STOCK** location.
- **NO** alterations or modifications allowed.
- Shocks **MUST** be OEM type and **FIT** factory mounting brackets.
- Coil springs **MUST** be **STOCK WITHOUT** alterations. **NO** heating, cutting, shimming, or spacers allowed.
- Spring diameter, number of coils, and length **MUST** be the same between left and right.
- Leaf springs **MUST** have the same number on both sides. **NO** heating, or rearching. Both spring stacks **MUST** be the same.
- Sway bars **MUST** be stock, fit in **STOCK** mounts.
- **NO** solid or blocked suspension systems.
- Adjustments to **STOCK** suspension components are **LIMITED** to and **MUST REMAIN** within the limits of factory adjustments. **NO** alterations of any kind.

15. Body and Paint:

- Body **MUST** be **STOCK**. No cutting or gutting **EXCEPT** where specified.
- Paint scheme or color **OPTIONAL**.
- **NO** profanity or as decoration of advertising.
- Cars **MUST** appear pleasing on race day.
- Drivers, passenger doors and roof **MUST** display car number in a contrasting color **MINIMUM** size of numbers 24" x 4".
- Roof numbers **MUST** face fans.
- Registration required to receive a car number.
- If a conflict of numbers occurs, the **FIRST** registered car will retain the disputed car number. (Tech decision to be final)

16. Miscellaneous:

- Windshield **MUST** be in good condition and cover the **FULL** opening.
- Windshield may be replaced with lexan **ONLY**. **NO** plexi-glass.
- Four safety taps are **REQUIRED** for **ANY** windshield alteration from factory.
- Front windshield may be replaced with a steel mesh that **DOESN'T** impair driver's view and **STOPS** debris from entering car. Also **MUST** have a support bar vertical in the **CENTER** of the windshield.
- If steel mesh is used, a full face helmet with a **WORKING** face-shield is **REQUIRED**.
- Dashes may be removed and replaced with sheet metal. **ALL** sharp edges **MUST** be rolled.
- Gauges are **OPTIONAL**.
- 5 lb ABC type fire extinguisher maybe placed within very **EASY** reach of the driver and mounted solid - **OPTIONAL**.
- One approved **RACING** seat fastened to the frame or roll bar **MINIMUM** or fasten to 6" x 6" x 1/8" plate welded to the floor. **ALUMINUM** racing seat **PREFERRED**.
- A **MINIMUM** of a 5 point seat belt **REQUIRED** to be worn **ALL** the time **DURING** the race.
- Refer to Diagram E for seat/seat belt installation requirements.
- Plastic inner fenders **MAY** be removed or replaced with sheet metal.
- Uni-body cars **MAY** have frame rail connectors installed.

17. Enduro Diagrams:

See the NEXT page for the diagrams.

ENDURO DIAGRAMS



DIAGRAM A
RECOMMENDED WINDOW NET
INSTALLATION
• No threaded rod permitted



DIAGRAM C

Rollcage Clarification Diagram D

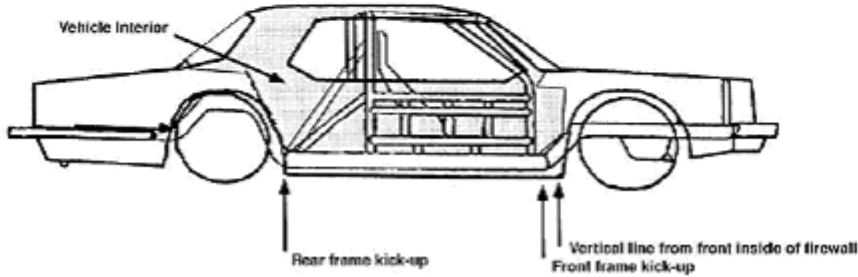


DIAGRAM E

Harness height & proper installation diagram

A five-point system is recommended for use in vehicles where the driver is seated in an upright position and consists of a 3" seat belt, two 3" straps over the shoulder type of shoulder harness and a 2" anti-submarine strap. The material of all straps shall be nylon or Dacron Polyester and in new or perfect condition. The shoulder harness should be mounted behind the driver and above a line drawn downward from the shoulder point at an angle of 40 degrees with the horizontal.

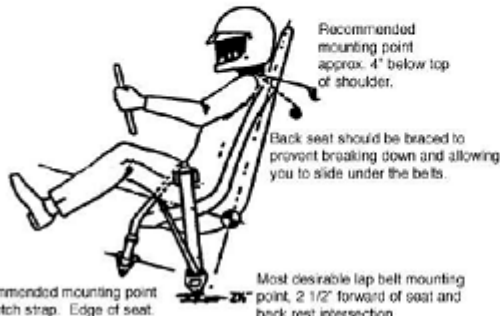


DIAGRAM F

Master Disconnect Diagram

ANY QUESTIONS PLEASE CALL
GUYON RACING AT (405) 277-6000

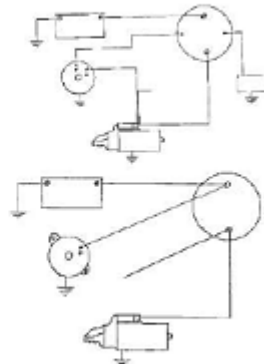
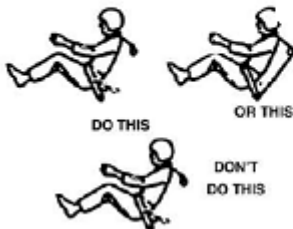
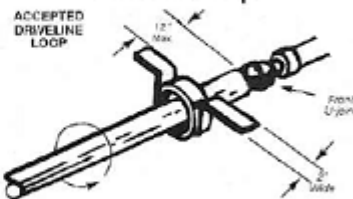


DIAGRAM G Driveline Loop



Dinosaur Downs Speedway

Race Rules

1. **ALL** official's decisions regarding safety, legality, or driver eligibility are **FINAL**.
2. Driver's **MUST** have a **VALID** class 5 driver's license and be over the age of 18. From the age of 16 – 18, may compete with written parental consent.
3. Drivers **MUST** sign a waiver that in **NO** way is the track or officials guaranteeing safety and the use of the facility and track is at your **OWN RISK**.
4. Driver **MUST** wear seat belt at **ALL** times on the track.
5. Driver's **MUST** wear a **MINIMUM** single layer fire retardant coveralls or driving suit and gloves, leather shoes or boots in good repair.
6. Driver **MUST** wear a full faced Snell approved DOT helmet in good repair. SA rated racing helmets at **ALL TIMES** on the track.
7. **ALL** car pit crews **MUST** have a 10lb ABC dry powder fire extinguisher visible and ready to use in the pit area.
 - Fire extinguishers **MUST** have a service date within the last 12 months.
 - Failure to comply may result in penalties or **DISQUALIFICATION**.
8. **NO** children under the age of 14 in the pit area **DURING** races.. **NO EXCEPTIONS**.
9. **NO** alcohol or drugs in the pit area. Any person found under the influence of alcohol or drugs will be **DISQUALIFIED** and asked to leave at once. Future penalties are at the discretion of the track officials.
10. **NO** use of profanity to **ALL** officials, this will result in immediate **DISQUALIFICATION**.
11. Pit speeds **WILL** be monitored. Lap or time penalties may apply if pit speed is excessive.

Flag descriptions below – Know these flags and there meaning

12. **GREEN** flag: Race is on and good conditions.
13. **YELLOW** flag: **CAUTION** impending danger on the track, debris, ect.(**HOLD YOUR POSITION**)
14. **RED** flag: **STOP** rollover, multi-car collision, fire, suspected serious injuries.
15. **BLACK** flag will be used for:
 - Parts falling of your car.
 - Impending danger to the driver
 - Over aggressive driving that may cause injury to someone else.
 - To assess a penalty
 - Anyone who receives a **BLACK** flag **MUST** immediately report to the pit tech judge for instructions.
 - **IGNORING** a **BLACK** flag will result in **DISQUALIFICATION**.
16. **GREEN/WHITE** crossed flags: Signifies half way point.

17. **WHITE** flag: Last lap.
18. **BLUE** flag: Move over and allow the faster car the right of way. If you **DO NOT** comply a **BLACK** flag will be issued and a penalty assessed

.Keep It Honest

- The track President and appointed race directors **WILL** be enforcing **ALL** rules and their decisions **WILL be FINAL**.
- Track tech officials reserve the right to **CHECK** engines or cars for the purpose of legal requirements.
- Engine cube check and
- Engine compression ration check
- Cam profile checks **\$ 150.00**
- Clutch and flywheel checks **\$ 80.00**
- **HP** checks **\$ 150.00** - \$ 100.00 to Dyno. If found **ILLEGAL**, the driver pays the \$ 100.00
- Protest **MUST** be made **WITHIN 15** minutes of the end of the race.
- If legal payment goes to the driver
- Driver **MUST** supply the mechanic for the **TEAR DOWN**.
- If **ILLEGAL**, money is returned to the complainant.
- Tech officials will inspect **AFTER** tear down is **COMPLETE**.
- **ILLELGAL** cars may be assessed lap **PENALTIES** or **DISQUALIFIED** solely at the discretion of the track officials.
- Any complaints **MUST** be made in writing to the pit officials **WITHIN 15** minutes **AFTER** the announcement of the winners.
- Form letter for **COMPLAINTS** will be available from tech officials.