



2022 CAN-AM SPEEDWAY THUNDERCAR RULES

Official Rules and Regulations DISCLAIMER: “The rules and/or regulations set forth herein are designed to provide for the orderly conduct of racing events and to establish minimum acceptable requirements for the orderly conduct of racing events within the ThunderCar Division at Can-Am Speedway.

These rules shall govern the condition of all events, and by participating in these events, all participants are deemed to have complied with these rules. **NO EXPRESSED OR IMPLIED WARRANTY OF SAFETY SHALL RESULT FROM PUBLICATION OF OR THE COMPLIANCE WITH THESE RULES AND/OR REGULATIONS.**

They 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 official. The Technical Inspector (s) or Director of Racing Operations shall be empowered to permit reasonable and appropriate deviation from any of these specifications herein or impose any further restrictions that in his / her opinion do not alter the minimum acceptable requirements. **NO EXPRESSED OR IMPLIED WARRANTY OF SAFETY SHALL RESULT FROM SUCH ALTERATION OF SPECIFICATIONS.** Any interpretation or deviation of these rules is left to the discretion of the Director of Racing Operations or his / her appointee. Their decision is final.”

It is the responsibility of each competitor to read, understand and comply with these rules as written. They are neither foolproof nor exhaustive. They are intended to provide fair and competitive racing for all who participate in this division. The spirit and intent of these rules is the standard that will be used for competition at Can-Am Speedway.

Can-Am Speedway officials are authorized to decide if an equipment change or addition is an attempt to circumvent these rules or provide an unfair advantage. Officials can and will disqualify any entry in violation of the spirit and intent of these rules. Decisions will be based on common sense, consistency, impartiality and fairness. If there is disagreement or dispute

regarding the meaning, interpretation, or application of these rules, officials' decisions shall prevail. If these rules do not specifically say that you can add, change, or modify something, then you should consider that addition, change or modification illegal. Any questions about the legality of an addition or modification not covered by these rules must be answered by officials in writing, and their decision is final. Can-Am Speedway reserves the right to alter or amend these rules at any time in the interests of safety, cost control or fair competition. The safety of each race car and all equipment is the complete responsibility of the driver/owner, and the driver/owner acknowledges this responsibility by participating in any racing activity at Can-Am Speedway.

General Track Rules and Procedures

MANDATORY REGISTRATION

All Drivers MUST register in order to race.

COMPETITORS PITS

You or your crew may not enter a competitor's pit to complain or confront him or her. This offense will result in a fine, race day points and possible suspension as the officials see fit.

ALCOHOL AND DRUG POLICY

Drinking alcohol or taking any illicit drugs including marijuana in the pits is not permitted during any race event or practice. The driver is personally responsible for anyone associated with their car. If you or anyone associated with your car is found to have been drinking alcohol or taking any illicit drugs including marijuana you and your team will be escorted off of the premises including suspension as Officials see fit. The suspension will include car, driver and crew.

MANDATORY DRIVERS MEETING

A mandatory driver meeting takes place at each race event. Check the weekly schedule for time.

EXITING CAR ON TRACK

The driver shall not exit his or her car on the racing surface or unless there is a fire or injury or an official permit. Failure to follow this rule can result in a fine and or suspension.

HOW QUALIFICATION WORKS

Heat races determine if you qualify for the feature.

SCALES

You will be told on the 1-way radio how many cars scale after each race.

POINTS

Points for Features are awarded as per the 60-point system in the DIRTcar rulebook.

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0.00 CAR ELIGIBILITY:

- 0.1 A foreign or domestic naturally aspirated 4 cylinder engine type car is required. No trucks, convertibles, or 4 wheel drive vehicles will be permitted. No turbo charged, supercharged, or rotary powered cars will be permitted.
- 0.2 Driver must bring a Chilton AutoRepair Manual for the year and make of the car being used.
- 0.3 Car VIN # must remain in the stock location and must be easily readable.
- 0.4 All cars will need to pass tech inspections and receive 2022 stickers before track entry is permitted.
- 0.5 All drivers must be licensed members of DirtCar (Sport Compact) in order to compete at Can-Am Speedway.

1.00 BODY AND INTERIOR:

- 1.1 The overall appearance of the car must be OEM stock to the eye.
 - 1.1.1 No fiberglass roofs or added spoilers will be permitted.
- 1.2 All glass, plastic, and air bags must be completely removed.
 - 1.2.1 If applicable, the sunroof opening must be covered with a minimum of 20 gauge sheet metal.
- 1.3 No enclosing of the driver's compartment will be permitted.
- 1.4 Hoods are required to have a minimum of (4) hood pins to safely secure the hood in place and allow for easy removal.
 - 1.4.1 A 2" maximum height hood scoop will be permitted.
 - 1.4.2 A hood scoop must be completely enclosed and be neat in appearance.
 - 1.4.3 No ram air permitted.
- 1.5 Floor pans must remain stock front to back and side to side.
- 1.6 All holes must be completely sealed.
- 1.7 Rear firewall must completely seal off the drivers compartment from the fuel cell/tank and trunk area.

2.00 WINDSHIELD AND REAR WINDOW AREA:

- 2.1 Windshield area must be completely covered with a heavy gauge mesh screen and must be supported by a minimum of (2) 1"x1/8" pieces of steel located behind the mesh and welded from the roof to the dash and evenly spaced.
- 2.2 No mirrors of any kind will be permitted.
- 2.3 All deck lids, trunks, and rear hatches must remain stock and intact.

3.00 BUMPERS AND RUB RAILS:

- 3.1 Stock front and rear bumpers are required.
 - 3.1.1 When OEM replacement bumpers aren't available, fabricated bumpers will be permitted at the track's discretion. This DOES NOT open the door for aftermarket performance enhancing noses. If you have a question regarding your car's bumpers contact the Can-Am Speedway Office.
 - 3.1.2 No push bars are to extend outside of the bumpers or beyond the nose.
- 3.2 A single rub rail will be permitted on each side.

- 3.2.1 The rub rail must be placed between the wheel wells only.
- 3.2.2 The rub rail can be a maximum of 1" in size and with no sharp edges.
- 3.2.3 The rub rail cannot stick out further than 2" from the body.
- 3.3 **Safety chains** must be installed in the front and rear of the car for towing purposes.

4.00 ROLL CAGE AND CHASSIS:

- 4.1 A roll cage is mandatory with a 6-point design and 1.5"x.095" thickness minimum.
 - 4.1.1 All roll cages must have 1/4"x5" square plates under the (4) corners of the main cage.
 - 4.1.2 The Driver's head must not protrude above the top of the roll cage with helmet on and belted in the seat.
- 4.2 A minimum of (3) horizontal bars welded in the driver's side door from the front hoop to back hoop with a minimum 1.5"x.095" thickness.
 - 4.2.1 Horizontal bars must be connected with a minimum of (4) rows of vertical bars evenly spaced of the same size.
- 4.3 Passenger side door area must have a minimum of (2) horizontal bars between the front and rear hoops.
 - 4.3.1 The top of the bar must be in line with the bottom edge of the door window.
- 4.4 No kinked or heat bent pipes are permitted.
- 4.5 All main connections must have suitable gussets in place.
- 4.6 A steel plate, 1/8" thick, must be welded to the drivers side door bars.
 - 4.6.1 Plates must be securely welded and bolted to the floor.
 - 4.6.2 Front and rear hoops must be welded to the plates.
- 4.7 Stock frames are required and must be straight and free of rust.
 - 4.7.1 No welding, cutting, chopping or lowering of frames allowed.
 - 4.7.2 Frames may be reinforced for safety purposes only.
- 4.8 MINIMUM ground clearance of 4" measured to the lowest part of the chassis is required.

5.00 ENGINE:

- 5.1 All engines must remain stock appearing and as manufactured.
- 5.2 Motor must match the brand of the car with stock intakes, no Skunk 2, etc.
- 5.3 Engine block and cylinder heads must be stock appearing.
- 5.4 Exhaust must exit behind the driver
 - 5.4.1 Mufflers are mandatory with a 2.5" maximum diameter in and out and no performance mufflers are permitted.
- 5.5 A basic low cost header will be permitted, as determined by officials.

6.00 COMPUTER:

- 6.1 All computers must be original for the year, make and model car being used.
- 6.2 Computers must be fully operational at all times.
- 6.3 Computers are allowed to be reflashed, chipped and/or tuned.
- 6.4 A standalone ECU and an aftermarket harness will be permitted.
- 6.5 Ignition coils must remain OEM however the coil-on-plug kits will be permitted.

7.00 CARBURETOR:

- 7.1 Stock OEM fuel and components ONLY and must be for the size engine being used.

8.00 COOLING SYSTEM:

- 8.1 Radiator must remain in the area of stock location.
- 8.2 Aftermarket radiators will be permitted.
- 8.3 Radiators should be braced for support

9.00 BATTERY:

- 9.1 A 1-12 volt battery must be mounted in the trunk area or under the hood and be mounted in a marine type box with cover, and securely mounted to the chassis.
- 9.2 A master switch is mandatory and must be clearly labeled ON/OFF.
 - 9.2.1 The master switch must be mounted within the driver's reach and must be wired to kill all power when turned off, including the electric fuel pump.

10.00 POWER TRAIN:

- 10.1 The power train must be complete transmission.
- 10.2 Gearing may be changed.
- 10.3 Driveshafts and C.V. joints must be painted white.
- 10.4 No lightening of OEM stock flywheels is permitted and must be OEM weight as per Chilton manual.
- 10.5 No Aluminum or aftermarket racing flywheels are permitted.

11.00 SUSPENSION:

- 11.1 No cutting, welding or heating of springs will be permitted.
- 11.2 No progressive rate springs permitted.
- 11.3 Suspension and components must remain stock or OEM replacement.
- 11.4 All suspension pivot points must remain in the stock location and stock track width.
- 11.5 All shocks must be OEM for the year, make, and model being used with no performance struts or coil-overs permitted.

12.00 BRAKES:

- 12.1 All four brakes must be operational at all times and no brake shut-offs will be permitted.

13.00 STEERING:

- 13.1 Steering must be stock OEM and remain in the stock location for the make and model of the car being used.
- 13.2 A quick release steering wheel is recommended.
- 13.2 The steering wheel and wheel center must be padded.

14.00 SEAT AND BELTS:

- 14.1 A full containment seat is highly recommended.

- 14.2 An aluminum high back racing seat is mandatory with a right side padded head support.
 - 14.2.1 No fiberglass seats will be permitted.
- 14.3 The seat must be securely fastened with a minimum of (4) 3/8" bolts in the bottom of the seat and a minimum of (2) 3/8" bolts in the seat back.
 - 14.3.1 All bolts must be grade 8 minimum and have fender washers on all bolts.
- 14.4 A minimum 5-point, 3" harness is mandatory and must be free from cuts, tears, frays or holes.
 - 14.4.1 Belts must be (5) years old or newer and be SFI approved.
- 14.5 All roll cage bars within reach of the driver while buckled in the seat must be padded.

15.00 WEIGHT:

- 15.1 The minimum weight is one pound per c.c., 4 Cylinders Honda V-tech (2500 lbs with driver).
 - 15.1.1 Competitive weight adjustment: Can-Am Speedway Officials reserve the right to institute a competitive weight penalty with weight added to a location to be determined by Can-Am Speedway Officials.
- 15.2 All cars must have a minimum weight and cubic centimeters lettered on the hood.
- 15.3 Ballast weights must be lead or steel plated and mounted to the frame by weight ballast clamp.
 - 15.3.1 All ballast weight must be painted white and have a car number on it.
 - 15.3.2 The maximum weight per piece is 25#.
 - 15.3.3 Welding the weight to the frame is not permitted.

16.00 FUEL SYSTEM:

- 16.1 An 8 gallon fuel cell maximum with flapper or check valve is permitted and must be securely fastened inside the trunk area.
 - 16.1.1 Fuel cells must be enclosed in 20 gauge steel or .060 aluminum containers with a minimum of (2) 1"x1/8" steel straps mounting it to the chassis.
- 16.2 Stock tanks are permitted and tanks must remain in the stock location under the car, extra straps are highly recommended.
- 16.3 All fuel lines running through the car must run through steel piping from firewall to firewall and be completely sealed off from the trunk and engine compartments.
 - 16.3.1 Fuel lines not running through the car must be steel braided or heavy duty fuel line and securely fastened.
- 16.4 Only 87-93 octane pump fuel only.
 - 16.4.1 No race fuel, no aviation fuel, or additives are permitted.

17.00 TIRES AND WHEELS:

- 17.1 DOT tires ONLY.
 - 17.1.1 No snow tires or racing tires.
- 17.2 No grooving, cutting or siping of tires permitted.
- 17.3 Tire grinding will be permitted.

- 17.4 Tires can be mixed and matched for stagger but the same size wheels must be used on each individual side.
 - 17.4.1 OEM 13",14",15" steel wheels, maximum width 8".
 - 17.4.2 No aluminum wheels allowed.
- 17.5 Standard weight racing wheels will be permitted and are highly recommended.
- 17.6 No spacers of any kind.
- 17.7 All lug nuts must be 1".

18.00 DRIVER SAFETY:

- 18.1 SFI-approved neck collar, shoes, gloves, and a full fire suit is mandatory.
 - 18.1.1 Neck collar, shoes, gloves, and fire suit must be in good condition and free of holes, tears, and excessive oil/grease.
- 18.2 Full face Snell approved helmet only.
 - 18.2.1 Snell SA 2015 or newer helmets only.
- 18.3 A SFI-approved window net is mandatory and must be securely fastened in the driver's window.
 - 18.3.1 All nets must have a quick release latch accessible from both the inside and outside of the car.

19.00 SCORING TRANSPONDERS AND RADIOS:

- 19.1 Scoring transponders are mandatory.
 - 19.1.1 AMBx2 or AMB TranX260 transponders only.
 - 19.1.2 Transponder rentals are available at the speedway for a nightly rental fee.
 - 19.1.3 If you do not have a working transponder you may/will be scored last.
- 19.2 The transponder mounting location must be in the rear of the car between the fuel cell and axle.
- 19.3 Raceceiver one way radios are mandatory and the frequency is 454.000.
 - No other radios or communication permitted.

20.00 PENALTIES, FINES, CLAIMERS AND PROTESTS:

- 20.1 It is expected that our competitors will conduct themselves in a professional manner at all times during any event and/or when representing the Can-Am Speedway.
- 20.2 Refer to the DIRTcar Rulebook at www.dirtcar.com for procedural and disciplinary rules which governs all on and off track activity.