PENN CAN SPEEDWAY

4 CYLINDERS RULES

2021 SEASON

GENERAL RULES

1 Approved Snell Helmet M2015

a. Fire proof gloves, Neck Brace (Hans device Recommended }, Shoes, Fireproof Hood Mandatory ( NO MORE THAN 5 YEARS OLD)

b. Approved Fire Suit 1 or 2 Piece NO HOLES, RIPS OR TEARS

ELIGIBILITY REQUIREMENTS AND FRAME RULES

1. This class is open to all front wheel drive (FWD) 4-cylinder cars. a. No pick-ups, SUV's or convertibles

b. No four-wheel drive cars.

c. No 2 seat sports cars

2. All the frames, sub frames, firewalls, floorboards must remain absolutely stock.

3. All suspension and suspension mounting points must remain oem/stock for make, model and year of car.

4. Must have a complete oem/stock factory body.

5. must have a non-turbo, non-supercharged 4-cylinder engine that came from the manufacture with that engine in it. (No engine swaps- ford in a ford- dodge in a dodge ect.)

**SUSPENSION AND STEERING RULES**

1. All suspension components and mounting points must be oem/stock. 2. All steering components and mounting points must be oem/stock. 3. Quick release steering wheel with a safety pad is MANDATORY SHOCKS AND SPRINGS

1. All shocks and struts must be mounted in stock/factory position and be oem/stock factory type.

2. All springs must retain oem/stock diameter and length and mount in stock/factory position.

DRIVE TRAIN

1. The oem/stock trans/axle for that make and model must be used. a. the trans/axle may be locked.

2. The rear axle must be oem/stock factory for that make and model. 3. No Aluminum Flywheels.

BODY

Must have a complete oem/stock factory body.

a. no sharp edges.

b. Hood and trunk lid must be secured with hood pins

c. doors must be welded, bolted, chain shut. (Any door coming open on the track will be disqulified )

BUMPERS AND NERF BARS

1. All bumpers must be oem/stock factory type bumpers.

a. All bumper ends must be capped or turned in with no sharp edges. 2. All cars must have tow hooks on front and rear.

3. No cow catchers or severely over built bumpers allowed. 4. Nerf bars will be allowed between the front and rear tires only. They must be flush with the body and have a maximum dia. of 2 inches with all ends turned in and capped. NO SHARP EDGES

ROLL CAGE

1. A complete six-point roll cage MANDATORY

a. all six mounting points must be welded to a 6" x 6" x 3/16" plate and bolted or welded to a safe and secure part of the floorboards.

b. 1.5-inch diameter and .095 wall thickness tubing will be the minimum allowed.

c. The track reserves the right to drill a test hole at any time. d. Cage must have 3 door bar on each side.

e. Driver’s side door bars must have a minimum of 2 vertical bars tying them together and to the frame rail.

f. The cage must have 2 cross bars one below and one above the windshield opening. (side to side)

g. The cage must have 1 one-inch vertical bar down center of windshield area.

h. The cage must have 2 rear cross bars (side to side). The top one must be 2 inches above the drivers' head and the one in the middle should be at top door bar height.

i. The cage must have three roof bars (front to rear) one on each side and one

in the middle area. These bars must clear drivers head and leave room to extract driver thru roof.

j. The cage must have 2 rear down posts from the top rear cross bar down to the rear frame rails.

k. Any roll cage the track determines as unsafe will not be allowed on the track.

SEAT AND INTERIOR

1. An Aluminum seat is mandatory, minimum .095 thick.

a. Seat must be a high back.

b. Seat must be bolted in with a minimum of 6 3/8-inch diameter bolts. (4 in bottom and 2 in back)

c. Seat must be bolted roll cage. NOT BODY OF CAR

2. Car must have a 5-point racing seat belt harness and mounted properly. ( NO OLDER THAN 5 YEARS )

a. Harness must be bolted to frame of roll cage with at least 3/8-inch diameter bolts.

b. Crotch belt must be bolted to seat framing NOT BOLTED TO SEAT

3. All bars in drivers contact area must be covered with roll bar padding. (no pipe insulation)

4. Window net is mandatory and the driver must be able to open it from the seat.

5. All pedals must be in stock location in drivers’ compartment. (no hand clutch etc.)

6. Driver must be protected by a sealed front and rear firewalls and both side walls made with a minimum of 20-gauge steel or .080 aluminum.

7. The ignition switch must be clearly marked on/off.

8. A master kill switch is mandatory and should be placed where the driver and safety personnel can reach it. Must be clearly marked on/off.

9. A fuel shut off is mandatory and should be placed where the driver and safety personnel can reach it. Must be clearly marked on/off

13. If battery is mounted in drivers compartment it must have a metal framing for the battery box to sit in out of angle iron then bolted to floor with so the battery can not come lose and slide. MUST use metal strap to hold down no GAS TANK STRAPPING

a. Must be in a marine type battery box.

OR

b. Allstar Performance Battery Boxes ALL76100

BRAKES

1. Mandatory working 4 wheel brakes NO SHUT OFFS

2. No aftermarket master cylinders.

3. No balance bars or remote adjusters of any kind.

WEIGHT

1. All cars must weigh a minimum of 2200 pounds after racing with driver and no allowance for fuel or water. (ZERO TOLERANCE I DONT CARE WHAT YOUR SCALES READ AT HOME)

2. All bolt on lead or added weights must be securely mounted, brightly painted and have car number on it.

3. Any car losing a weight during a race will be disqualified. WHEELS AND TIRES

1. Any steel wheel will be allowed.

a. 7-inch maximum width

b. Any off set allowed.

c. Centers may be reinforced.

d. No Beadlocks.

e. 1'' Steel lug nuts Mandatory

2. DOT Passenger Car TIRES ONLY. (NO RECAPS or RACING TIRES) a. No winter or mud tires of any kind.

b. All-season passenger tires are permitted.

c. All tires must be approved by track officials.

d. All same size tires ( 14" 15" 16" ETC)

e. No wheel weights

f. No Grooving or Siping

g. Grinding tires Allowed

ENGINE & HEADER/EXHAUST MANIFOLD

1. The engine must be a 4 cylinder and came from the manufacturer in the make and model of the year of car you are running. (Block, Head, Intake)

a. No superchargers or turbos allowed.

2. Any oem/stock factory exhaust manifold will be allowed. 3. Any Aftermarket header will be allowed.

4. Exhaust pipe maximum diameter is 3-inches.

5. Exhaust can not run thru drivers compartment.

6. Exhaust must exit behind the driver and pointed downward. Can not come out on side of car

INTAKE MANIFOLD

1. Intake Manifold must have come on engine for make and year of car no switching intakes from other engines.

2. Cold air intake allowed

CARBURETOR/INJECTION

1. The stock carburetor, fuel injection, throttle body for that make and model must be used.

IGNITION

1. All Ignition components must remain oem/stock type as per car. a. The ignition switch may be replaced with aftermarket switch.

FUEL SYSTEM

1. Gasoline only, NO alcohol.

2. All fuel lines and fittings must be of an approved type.

3. The gas tank can remain stock if it is ahead of the rear axle and metal double strapped. NO RATCHET STRAPS.

4. If stock tank is behind the rear axle it must be removed.

5 Approved fuel cell with a maximum of 12 gallons will be allowed ( NO BOAT TANKS NO STOCK GAS TANKS MOUNTED INSIDE OF CAR)

a. Fuel cell must have metal frame work for cell to sit in do not mount cell to floor.

b. Fuel cell must be mounted with 2 1'' metal straps (NO GAS TANK STRAPPING)

7. A fuel shut-off switch/valve is mandatory and must be in reach of driver and safety personnel and clearly marked fuel on/off.

IGNITION

1. All Ignition components must remain oem/stock type as per car. a. The ignition switch may be replaced with aftermarket switch. b. Master Kill Switch Mandatory

COOLING SYSTEM

1. Any radiator will be allowed.

a. Must be mounted in factory/stock location.

2. Any cooling fan will be allowed but must be approved by track officials.

JUST BECAUSE IT IS NOT WRITTEN IN THE RULES DOES NOT MEAN IT IS LEGAL ASK FIRST ANY NON COVERED PART CAN BE DEEMED ILLEGAL AT ANYTIME. ANYTHING NOT COVERED IN THESE RULES IS NOT ASSUMED LEGAL.

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