

# 2022 EAGLE TRACK RACEWAY CLASS RULES

## Modified

### GENERAL RULES MUST BE FOLLOWED AS WELL

Modified Race Cars may choose to follow IMCA or Eagle Track Raceway rules listed below.

#### 1. FIRE WALLS

- a. Must be secure firewall between engine compartment and driver, and between fuel cell and driver. Must be metal or other fireproof materials.

#### 2. BODIES AND FRAME

- a. Minimum weight for ALL Modifieds 2,450lbs., including all liquids and driver.
- b. Bodies may be coupe or sedan, aftermarket modified styles and optional, stock appearing. Must have a top over roll cage. Bodies should have no more than 8" of lift from front to rear.
- c. No pickup. Model T or Model A allowed.
- d. No mirrors allowed.
- e. No front fenders allowed.
- f. Frame may be any type. Any tube frame must be 2"x3" – 120walls min.
- g. 5" spoiler allowed.
- h. Wing spoilers are not allowed.

#### 2. SUSPENSION

- a. Front type suspension may be (not exceed a ¾ ton up) straight axle or A-frame type. Commercial or power steering can be used on all cars. All cars must be two-wheel drive, driven by rear wheels only.
- b. Any front suspension. After market upper and lower A-arms are allowed.
- c. Torsion bars are allowed.
- d. Rear suspension must be solid one piece axle housing with leaf or coil springs. Functioning in stock manner. May be lightened or strengthened but must support weight of car.
- e. Any weight jack may be added.
- f. Differential must not exceed a ¾ ton pick-up size.
- g. All stock rear ends must have axle-bearing retainers spot-welded.
- h. Quick-change rear ends allowed. No gear change after time-ins, unless approved by tech committee.
- i. Rear end width measures center of tire to center of tire, 60" min.
- j. No torque tube drive shafts allowed.
- k. Any torque arm or third link is allowed.

I. Coil over shocks allowed.

### **3. NERF BARS**

a. Nerf bars MUST BE on front of rear of car. No sharp or protruding edges beyond frame. All must be 1 ¼" .095 wall min.

b. Front nerf bar (bumper) must not exceed past frame width. Nerf bars must be rounded, smooth bent. A 10" tall min. and 14" from the ground and ¾" the tire width in the back.

c. Nerf bars on the side of the car required and must be 1 ¼" OD min. extend 10 3/4 of the outside of tires, not to exceed 1" past tire width. Subject to tech committee approval.

### **4. TRANSMISSION AND CLUTCH**

a. Any stock or aftermarket type transmission may be used.

b. Must have working reverse and neutral gears.

c. No in and out box.

d. Oil coolers may be added but must be below window line, shielded from driver and opponents, not in the back window. Must pass tech committee inspection.

e. Clutches and torque converters are open.

f. Must run a flywheel, aluminum or steel.

### **5. ENGINE**

a. Super traps on exhaust are allowed.

b. Engines must remain upright and in center of frame.

c. Engines set back no further than 17" behind centerline of kingpin, as measured from the number 1 spark plug hole center to lower ball joint center.

d. All engines must be radiator type cooling. Oil or additional coolers may be added but not be in drivers compartment.

e. All engines must have a working starter.

f. Electrical fuel pumps are allowed but must have an oil pressure shut off switch.

g. Engines V-8 max. 361 CID per engine serial number, American only.

h. Any single 2 or 4 BBL 750 cfm max. Carburetor must be used, Holly, Carter, Rochester, or Motor craft. Choke horn allowed.

i. Any single 2 or 4 barrel cast iron or aluminum intake may used. An adapter may be used, 2" max.

j. Engine must be naturally aspired. No injections, blowers, turbos, or Nitrous Oxide systems.

k. Headers are legal, but must pass tech committee.

l. After market ignitions allowed. No magnetos or crank trigger ignitions.

m. Flat tappet cams only. Roller rockers optional. No roller cams. Any size cam.

- n. No 400 blocks. Any steel rods. Any aftermarket cranks.
- o. Engines block heads and internal parts to be factory replacement type. NO ALLUMINUM HEADS. BLOCK OR RODS. Any pistons may used or cast iron heads.
- p. Stock OEM heads or aftermarket heads can be ported and polished.
- q. Gear drives optional.
- r. Any 4 or 6 cylinder American made may be used.
- s. No Stroker engines allowed.
- t. Any intake and exhaust systems may be used. Must be naturally aspirated. No injectors, blowers, turbo or nitrous oxide systems.
- u. Any single minimum 750CFM, 2 or 4 barrel may be use.
- v. After market ignitions allowed. No magnetos or crank trigger ignitions.
- w. Any piston and valves may be used.
- x. V-6 must have cast iron heads and blocks, any intake and solid lifter cam.
- y. Stock OEM heads or aftermarket heads can be ported and polished.

## **FUEL**

- a. Fuel cell mandatory with metal outer casing, and foam inside the bladder. Tank must be secured by 2 or more 1/8" steel straps or bolted.
- b. Racing fuel, trick fuel allowed. NO NITROUS.

## **WHEELS AND TIRES**

- a. Wheels must be steel only, not to exceed 12" in width.
- b. Stock wheels must have centers reinforced with 1/2" steel plate, or extra heavy duty type.
- c. NO DUELS ALLOWED.
- d. Minimum of 100" wheel base on both sides.
- e. Racing tires, or DOT approved highway tires. Sipping and grooving is allowed. Tread width will be 8" min and 11"max.
- f. NO MUD, SNOW OR TRACTION TIRES.
- g. 5/8" studs Mandatory. NO wheel spacers.