

## 2024 Lancaster Motorplex

# Tour Mod rules

**All Tour Type Modifieds Must follow Tri Track, NASCAR Whelen Modified Tour, ROC, or MRS rules (You must specify what series you follow and follow your series rules.) with the following exceptions and or additions.**

### Engine Rules

NASCAR spec engines must meet all NASCAR specifications including carburetor and NASCAR seals.

No Aluminum Block except for the Nascar Spec engine.

MRS cars must run a Holley 4150 390 carb with the bridge in the boosters. No Open boosters allowed. Must run standard length booster.

All carburetors must meet go - no go gauges.

The maximum cubic inch is 372ci for all motors.

Tri Y headers are allowed.

Must have dry sump system, sportsman cars will not be added to field.

Must declare weight and cubic inch on hood.

Must have A type of muffler on the car.

Must use a paper air filter, you may use outerwear on air filter, but filter must remain paper. No K & N filters.

Maximum compression on all engines is 12:1. Will be

checked with whistler.

Cubic inch will be checked by tubing the motor.

## **Fuel**

All cars must run their respective series fuel, may not be combined and or mixed with other fuel. Fuel will be checked visually and using specific gravity. 110 or 112 octane fuel only and may not be intermixed. Fuel can be checked anytime during the event. If any fuel is in question, it will be sent to an independent laboratory for analysis.

## **Basic Car rules**

Maximum tread width is 84" measured at the tire bead.

Wheelbase must be a minimum of 106" and a maximum of 108" with a maximum allowable difference of plus or minus 1" from the opposite side.

Minimum roof height is 40", will measured 6" back from leading edge of the roof at roof centerline. Rear of roof must be no more than 3 ¼" higher than front.

The maximum height of spoiler is 44" from ground to top of spoiler, with driver in car. Maximum spoiler size is 8" tall and 48" wide. The spoiler must be mounted in the center of the rear tail piece.

## **NO TRACTION CONTROL ALLOWED**

NO ride height limit.

May use an 8" or 10" ring and pinion with a maximum gear ratio of 4.87. Gears will be pulled to check ratio.

Spool type rears only.

Nascar Spec motors can use 5.04 gear ratio.

No coil binding, bump stops or travel limiting devices allowed, springs and shocks may not be covered.

Drive shaft must be painted white, made of magnetic steel, and be a minimum of 2" round with minimum wall thickness of .090" or be 2 1/2" round with a minimum wall thickness of .065".

Transmissions must have high gear which equals 1.00:1 ratio, NO overdrive ratios allowed, must weigh a minimum of 48lbs and will not have any shift linkages which enter from top, rear and or backside. Must enter on the side of the transmission. No pushrod type linkage allowed.

## Weights

355ci – 364ci 2600 lbs. with 56% left side weight

365ci – 368ci 2650 lbs. with 56% left side weight

369ci – 372ci 2700 lbs. with 56% left side weight

NASCAR Spec engine 2650 lbs. with 56% left side weight

Any C.I. below 358 will use cubic inch x 6.8 +175lbs.

## **Weight and Cubic Inch must be marked on the car.**

All cars will be weighed before the races. Must make weight or you will start scratch after adding fuel to make weight.

## Safety

Drivers must wear a helmet meeting current SA 2015 or SA 2020 specifications and wear the helmet in accordance with the directions provided by the helmet supplier and or manufacturer.

Drivers must wear a head and neck restraint meeting current SFI 38.1 specifications and be worn, maintained, and used in accordance with the supplier and or manufacture.

All cars must have SFI 16.5 approved seat belts with a 5 point or higher seat belt restraint system and be no older than three (3) and be installed per the directions of the supplier and or manufacturer.

All cars must have a window net meeting current SFI 27.1 specifications and be installed per the supplier and or manufacturer.

All cars must have a seat and headrest meeting current SFI 39.1 or 39.2 specifications and be installed per the seat supplier and or manufacturer.

All cars must have tethers attached to the front spindles.

All drivers and crew may use two (2) way radios but must monitor the 1-way radio (frequency 454.000)

All cars must have SFI 45.1 rated roll bar padding within reach of the driver.

## Tires

The Hoosier M30 and M45 (subject to change) will be the official tire used and they ***must be purchased from the track the day of event***. The serial numbers of the tires must be recorded when bought.

Must start the feature from your heat race tires. For the change races, you must start the feature on your heat race tires.

In the event of a flat during any event only a USED tire will be permitted to be changed if you no longer have a new tire in your allowance (for the US Open).

**No Tire Softener** Tires will be durometered and/or sent to a lab for chemical analysis.

No Bead locks allowed on wheels. Only 15" diameter wheels are allowed.

**NO CELL PHONES, BLUETOOTH DEVICES  
SMARTWATCHES AND OR ANY ELECTRONIC DEVICES  
ALLOWED IN CAR.** If found it will be immediate disqualification

5/3/2022

Must have a Mylaps transponder and be mounted 150" from front bumper on the RR frame rail, mounted vertically with the bottom of the bracket mounted even with the bottom of the frame rail.