



# Late Model Rulebook

## 2021

The MCDA reserves the right to make weight adjustments to maintain competitive balance.

Drivers and crews are responsible for knowing and following MCDA General Regulations, Track Policy and Late Model Rules.

Rearview mirrors are highly recommended.

Two way radios allowed, one spotter per car. Frequency must be given to MCDA board at your first race of the season.

Communication with driver must be done in the designated spotter area anytime the car is in competition.

Failure to follow spotter rule results in driver disqualification.

### **A. Car rules:**

1. Competing models
  - a. American made 1990 and to current year.
  - b. Minimum wheelbase 104 inch
  - c. Rear wheel drive only.
  
2. Weight and engine combinations
  - a. Crate engines unaltered: 2600 pounds 60 percent left side weight
    - Eligible engines
    - GM 604
    - Ford 347sr
    - Mc Gunegill D347sr
  - b. All other engines 2700 pounds
    - Maximum 60 percent left side weight.
  - c. All cars must weigh in before making their qualifying laps.
  - d. Top 5 scored positions must weigh in directly after feature race completion.  
(Disqualification from race for failure to comply)
  - e. 25 pound fuel burn off allowance after feature event only.

### **B. Body Rules**

1. Very basic rules package (Must be identifiable as a car), No extreme or advantageous body lines. No station wagon, convertibles or pickup truck bodies allowed.
  - a. Total length 215 inches maximum
  - b. Total width 82 inches maximum
  - c. Maximum height 48 inches, minimum height 45 inches
  - d. 15 inch minimum tolerance from any body length or width maximum dimension
  - e. Tire sidewall may not protrude outside of body more than 2 inches.
  - f. 4 inch minimum ground clearance from lowest part of body
  - g. Rear Spoiler dimensions 60 inch width 6 1/2 height.  
Any radical body designs will be assessed by the Late Model Representative for approval.
  
2. Firewall: May be altered for body and chassis construction. Driver's compartment must be sealed from engine bay and trunk or fuel cell area. Floorboards must run from engine firewall to the rear of driver's seat.
  
3. Booger Bars or exterior body panel protectors must be designed so they cannot hook or catch competitors' equipment. Can be made of steel, aluminum or custom molded designed for racing plastic.
  
4. Safety Hooks: Cars must have provisions for towing.
  
5. Identification
  - a. All competitors must register their car number with the MCDA.
  - b. Numbers must be neat in appearance and located on side and roof of car.  
Minimum dimensions of 16 inch height and 3 inch width. (Must be able to read roof number from passenger side)
  - c. 5 inch identifying number in upper right corner of windshield.

d. In case of duplicate numbers MCDA registered car takes precedent. An additional letter will be added to non MCDA competing cars.

6. Windows: A full "Lexan" windshield and rear window are required. No full door windows allowed.

### **C. Chassis**

1. Frames: All cars must have a full steel frame. Production racing or custom built frames will be allowed .120 wall minimum.
2. Roll Cage: Constructed of 1 3/4 inch outside diameter and .090 wall thickness round tubing for the main roll cage.
  - a. Must be an eight point cage, four uprights in driver's compartment, complete halo and four supporting tubes (Two from main cage to engine bay and two from main cage to rear frame behind driver).
  - b. Four horizontal door bars on driver side minimum height of 29 inches. Right side must have three complete door bars. Support bracing can be the minimum of 1 1/4 inch outside diameter and .060 wall tubing.
  - c. Cage must be properly brace and supported with all joints completely welded.
  - d. Additional leg protector bar mandatory.
  - e. Driver side door bar openings must be plated in with 1/8 inch plate.
  - f. Driver rollbar padding is mandatory.
  - g. Bumpers are mandatory.
3. Ballast: Any added weight must be painted white and have car number on it. (Mercury is NOT allowed) Weight must be securely fastened with the minimum of 1/2 inch diameter bolts. Penalty weight will be painted yellow.
4. Suspension: Coil or leaf springs allowed, any shock allowed, one shock per wheel. Maximum tread width 66 inches front and rear measured at center of spindle height and center of rear axle. No electronic traction aided devices.
5. Fuel cells are required. Must be completely isolated from drivers compartment Securely mounted and in a 5sided, 11 gauge metal canister. Must be mounted behind rear axle. Minimum of 10 inches off the ground.
6. Brakes: Must have operational four wheel brakes. Rotors must be made of iron.
7. Wheels: Steel only 15 inch diameter 10 inch width (Measured from inside of bead flange).
8. Tires: 2019 Hoosier 3035 and 3045 only must be purchased from the MCDA and must be branded by Tech Inspector. Initial order can be as many tires as you want and then one new Hoosier per week, every week after that. The first week 4 tires will be branded. In case of a flat tire inspector needs to approve use of a used tire. Each competitor must race on the same tires they qualified with that race day. New competitors can run four new Hoosiers, but have to practice, qualify, and race on the same 4 tires all day. MCDA will allow you to Race .The use of tire softener is not permitted.

Cars wanting to compete from other tracks can run on used tires from their track one time. However you will not be eligible for championship points and will be scored as a phantom car. Will receive money earned.

9. Mufflers: Mandatory with a 100 decibel limit from 100 feet. Exhaust must exit under car with tip pointed toward track and behind driver.

## **D. Drivetrain**

1. Any cast iron block American engine

4 inch setback for

GM 604

Ford 347sr

Mc Gunegill D347sr

- 2 inch setback for all other engines

\*Setback measured from center of upper ball joint to center of number one sparkplug. Pushrod engines only.

2. Carburetors:

Four barrel Holley 4150hp 650 cfm p/n 80541 allowed on

Unaltered GM604, Ford 347sr and Mc Gunegill D347sr

2 barrel Holley 4412 on all other engines

## **E. Clutch, Transmission and Rear Differential**

1. Must have a minimum 5 1/2 inch clutch
2. Any transmission with two forward working gears and one reverse working gear. No internal style clutch transmissions.
3. Any floater style type rear end or Quick Change allowed. No Titanium allowed.

## **F. Electrical**

1. No onboard computers allowed.
2. Battery 12 volt only, securely mounted.
3. 12 volt ignition only
4. Self-starting

## **G. Seat:**

1. Approved racing seat required. Must be mounted so center of seat is the minimum of 15 1/2 inches from inside of driver's door bar.

## **H. Safety**

1. Seatbelts must be approved for racing with a 5 point harness with a manufactured date of within 9 years or less. Safety Tech will approve mounting.
2. Drivers apparel: Only Snell 2000 or newer helmets Fire suits and fireproof shoes and gloves required.
3. Fire Extinguisher of at least 2 pounds in operating condition with proper mounting required. Must be in reach of driver.
4. Fan shroud mandatory.
5. Explosion proof bell housing or scatter shield required.

6. Must have a minimum of 2 driveshaft hoops.
7. Approved driver side window net.
8. Master shut off switch, painted orange or red. Must be easy reach for safety personnel.
9. Gasoline ONLY. No Nitrous oxide.
10. Head and Neck restraint highly recommended.

Any driver questions or concerns are to be directed to the Late Model Representative