



## 2024 Mountain Late Model Rules

(Steel Block/Steel Head/Limited)

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2024 Mountain Late Model Rules will follow the 2024 Topless Outlaw Late Models rules,

with the exception of:

- **Mountain Late Models WILL BE REQUIRED to run with the tops ON.**
- **There will be NO weight burn off, unless otherwise noted in drivers meeting**
- **Any Additions or Changes made to their rules, made to fit the Smoky Mountain rules, will be marked in red.**
- Topless Outlaw rules reads as follows:

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 such events. These rules shall govern the conditions of all events and by participants in these events. All participants are deemed to have complied with these rules. NO EXPRESS OR IMPLIED WARRANTY OF SAFETY SHALL RESULT FROM PUBLICATION OF OR COMPLIANCE WITH THESE RULES AND/OR REGULATIONS. They are intended as a guide for the sport and are in no way a guarantee against injury or death to a participant, spectator, or official.

The race Director shall be empowered to permit reasonable and appropriate deviation from any of the specifications herein or impose any further restrictions that in his/her opinion do not alter the minimum acceptable requirements. NO EXPRESS OR IMPLIED WARRANTY OF SAFETY SHALL RESULT FROM SUCH ALTERATIONS OF SPECIFICATION. Any interpretation or deviation of these rules is left to the discretion of the officials. Their decision is Final.

NO TRACTION CONTROL DEVICES OF ANY KIND!  
NO BLUETOOTH IGNITION SYSTEM'S

Anyone caught will be suspended for the remainder of the year. A second offense will equal a lifetime ban.

BODY

All 2024 ucas body rules apply; **excluding the droop rule**

- Standard Dirt Style body required with a stock looking nose
- Rear Deck Height maximum 39 inches, (NO Tolerance)
- Spoilers: Maximum 8 inches of height and 72 inches of width

- No more than 3 spoiler supports may be used
- Wheelbase 103 inches Minimum

## WEIGHT

- 2300 lbs – No Burnoff 604/602
- 2350 604 modified
- 2350 lbs -Flat Tappet Sportsman Engine
- 2400 lbs -Standard runner Aluminum Heads\*\*
- 2450 lbs -Raised runner Steelheads
- 2400 lbs with 50 lbs in front Midplate-CT 525 Crate
  - 2400lbs-Standard runner Aluminum head
- Series reserves the right to adjust weights in the interest of competition should it deem necessary
- ALL Weights are after the race
  - ~~1 pound per lap burn off in feature only~~

## ENGINE – STEEL/ALUMINUM HEAD

\*All Chevy heads 23 degrees based design and Ford Based 20 degrees

- ALL ENGINES MUST HAVE STEEL BLOCK
- 365 Maximum cubic inches
- No aluminum raised runner head's
- No Mullin's aluminum outlaw heads
- Steel/ Aluminum head Standard Runner  
from deck to floor of intake runner can't be more than 300 Thousandth's
- Steel Raised Runner head
- Any Cam
- Any Lifters
- Any Piston
- NO Titanium or Aluminum Rods
- Any bore and stroke combination 365 cubic inches
- All Heads can be ported
- All engines must be naturally aspirated
- Any Oil system

- Any Rocker Arms
- All Chevy heads must be 23 degree based ( Angle Milled Allowed)
- Ford heads must be 20 degree based steel head ( Angle Milled Allowed)
- Ford Motor Sports N head Allowed
- Ford Crate 2350lbs, must be as come from Ford
- All Crate engines can be bored no more than 030
- Intake- Any single four barrel intake permitted ( May port and polish)
- Maximum engine set back no more than six (6) inches from center of top ball joint to number 1 spark plug

#### ENGINE- GM CRATE

- 602/604 GM specs

. Topless 604 block/heads/intake must be GM CT604

CAN PORT Heads & Intake

any cam any steel Rods

any bore and stroke combination

365 max cubic inch

- Sealed or Unsealed MUST meet GM specifications

#### ENGINE- SPORTSMAN TYPE MOTOR

- MUST have flat tappet Cam
- MUST be wet sump oil system
- NO shaft mount rocker arms

#### ENGINE- CT 525

CT525 Fuel Sealed Engine ALLOWED

#### CARBURETOR

- Any 4150 series based carburetor
- No injection
- Carburetor spacer maximum of 2 inches (any material)

#### FUEL

- Racing gasoline and E-85 ONLY
- NO Alcohol, NO Nitrous Oxide, or other fuel additives
- Fuel Cell: All fuel cells must be mounted inside a 20 gauge metal box, supported by two (2) 1/8 x 2" steel straps, mounted inside the

protective structure of the vehicle

- All fuel cell must have a flap on top with a ball valve to keep fuel from running out if the car is upside down
- Fuel cell must have the pick-up line coming from the top half of the cell.

#### TRANSMISSION

- Drive train must have transmission, mounted on the rear of the engine
- NO direct drive or in-boxes
- Any Transmission, with working forward and reverse gears permitted, and must lead to one driveshaft
- All drive shafts must be painted white or silver, and must be protected by a minimum of one safety hoop or a sling. (Carbon fiber shafts

are recommended)

#### DRIVE SHAFT

- Driveshaft must be a minimum of 2 inches diameter

#### REAR END

- Any type of quick-change rear end, No exotic materials allowed
- Any steel or aluminum tube permitted. NO lead may be bolted to the rear end
- No Spring Rods

#### SHOCKS

- No Bluetooth or computerized components
- Standard Late Model Shock, limit one per wheel except Left Rear may have one in front and one in back
- NO Shocks may be adjustable from the cockpit area
- NO Shock arms on the rear

#### WHEELS

- Any Aluminum wheel that is mounted by lug nuts, NO carbon fiber
- Maximum wheel width 14 inches

#### TIRES

1. Fronts (LF/RF) - Open
2. Left Rear - 1350, Crate 21, American Racer 48. Any tire Hoosier or American Racer harder than a 1350/21/48 is also acceptable on LR.
3. Right Rear - 1600, Crate 55, American Racer 56, American Racer PRO 4, Hoosier 4. NO PRO 3's allowed (the No Pro 3 rule is to align with other local tracks).
4. The allowance of 1350s and 1600s will be in effect until the end of 2024. This will provide an opportunity for racers to cycle through any older tires they may have.
5. No treating or soaking of tires in order to alter the compound of the tire is permitted.

All numbers and names must remain on the tire ( NO grinding off numbers and names)

- Tire samples may be taken at any time from any car. (If taken prize money will be held pending results)-  
If caught with chemicals in tires

loss of pay for race and eligibility for points money.

#### MUFFLERS

- Only if required by track

#### PERSONAL SAFETY EQUIPMENT

##### SEAT BELTS

- Car should be equipped with SFI 16.5 or SFI 16.1 approved seat belt restraint system until the date of belt expiration.
- Seat belts restraint system shall be installed in accordance with the directions of system supplier or manufacturer
- It is the responsibility of the driver, to ensure his/her seat belt restraint system and aLI components are SFI approved and correctly installed, maintained.

##### SEATS

- High-back full containment seat should be securely mounted to frame as recommended by the manufacturer
- Suitable FIA manufacturer-approved Full containment seats are permitted
- Cars must have a full-containment racing seat utilizing the left and right halo protecting drivers side-to-side head and shoulder movement (25-pound weight penalty for cars competing without full containment seats)

##### SAFETY APPAREL

- Driver must wear Fire resistant uniform meeting SFI 3.2A/5 specs and display valid SFI 3.2/5 label.
- Each Driver should wear Fire resistant accessories that effectively cover the remaining parts of the body
- Shoes should meet the FSI 3.3 specifications and display a valid SFI 3.2/5 label.
- Gloves and window net ONLY if tracks require.

##### HELMETS

- Driver must wear full-face helmet, with at least a valid SA 2010 or SA 20154 Standard Snell and/or valid SFI 31.1,31.2, or 31.1 2010 label at all times on the track when competing.
- Driver should wear a helmet in accordance with the directions provided by the helmet manufacturer and/or supplier.
- Head and Neck restraints are strongly recommended and should conform to manufacturer's mounting instructions.

##### STRONGLY RECOMMENDED ITEMS

- A Marked electrical Kill Switch and a marked fuel shut off valve in reach of the driver
- An easily accessible fire extinguisher of at least 2.5 gals FFF or Equivalent.

ANY DRIVER WHO GETS OUT OF THEIR CAR ON THE RACING SURFACE WILL BE DISQUALIFIED FROM THE EVENT, AND WILL NOT BE AWARDED PRIZE MONEY OR SERIES POINTS. NO EXCEPTIONS.

##### PROTEST RULES

- 500.00 dollars to pull ONE head, check the bore and stroke/ cubic inch (Tech Man receives 100.00

dollars, Winner of protest receives 400.00 dollars)

- 150.00 dollars to check Rods ( Tech Man receives 50.00 dollars Winner of protest receives 100.00 dollars)

- 100.00 dollars to check Cam (Tech Man rece