



## LATE MODEL SPORTSMAN 2024 RULES

### LATE MODEL SPORTSMAN

**CHASSIS** – MINIMUM 103" wheelbase and maximum 105"

2" Square Frames must be minimum thickness (.083") steel only

Round Frames must be a minimum 1.75" OD and minimum (.083") thickness steel only

Stubbed rear bumpers may only extend 8" outside rear frame rails and must be capped

All battery mounts must be securely mounted to car by welds or minimum 2 weight clamps

No aluminum bumpers or door bars

No titanium fasteners, components, or suspension parts

**ROLL CAGE** – All cages must be a minimum 1.5" round seamless tubing, (.065) minimum thickness

No less than 3 driver door bars 1.5" (.095) minimum thickness

Minimum of 3 window bars

All cages must measure a minimum 38" from floorpan to halo

**WEIGHT** – All lead weight must be painted white with car number attached

Be mounted by 2 aluminum weight clamps

No adjustable weight jacking devices permitted

**BRAKES** – 4 wheel braking system mandatory

RF Cutoff is allowed

All rotors must be steel and all calipers must be aluminum

Hubs must be magnesium or aluminum only.

Combined weight of hub, rotor, bearings, drive flange, nuts, washers, seal, attaching hardware, axle cap, and wheel spacers must not exceed 27lbs

**REAR SUSPENSION** – All cars must use 4-link suspension or 2-link swingarm with coilovers

No floating or moving 4-link plates or mounts permitted

No bump sticks or spring rods allowed

Aluminum or steel birdcages only

**FRONT SUSPENSION** – All cars must use independent front suspension with 1 upper and 1 lower control arm, with one coil over stock, and a rack and pinion

All spindles must be made of mild steel construction with welded steering arm

**TORQUE ARMS** – 1 lift arm or pull bar allowed with 1 coil over fifth shock and chain limiter

Pull Bars must be mechanical with springs or bump stops only

No hydraulic bars and no driver adjustable devices on lift arm or pull bar

**SHOCKS** – 1 shock per front wheel, 2 shocks per LR (transition shock with no spring attached permitted in front of axle), 1 shock per RR, and 1 shock per fifth arm.

1 shock can be run as a dampener on top of rearend housing.

No shocks allowed using electronics for data acquisition or driver adjustments

Shocks permitted must be made of aluminum or steel, non adjustable, non-canister, and must have no more than 250lbs extended pressure at room temp.

No air socks or internal bumps

Schrader valves permitted

One pump stock maximum on each shock

Shims for setting loads OK

Shock Claim Rule \$250, Non compliance equals disqualification

No rear covers allowed except in pit area at trailer



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### **SPRINGS** – No stacked springs

- One spring per shock
- Barrel springs OK
- No progressive springs allowed
- Take up springs permitted, not exceeding 5lbs

### **WHEELS** – Aluminum Only

### **TIRES** - Hoosier SPEC HTS 1350/ Crate 21 on LR and RF, Hoosier SPEC HTS 1600/Crate 55 on RR.

- LF Optional
- No chemical alterations, tire softeners, or altering of sidewalls or lettering allowed
- Grooving and Siping permitted
- All tires must pass tech and meet benchmark at lab
- Techman has authority to confiscate any tire he deems to be altered
- Tires will be checked and sent off throughout the season by the track.
- Penalty for illegal race tires will result in a 2 race suspension and \$2000.00 fine to be paid before return to track is allowed.

### **SEATS** – Aluminum or carbon fiber only, with head and shoulder supports

- Seat must be securely fastened to rollcage with bolts and locking nuts

### **FIRE** – All cars must have fire suppression systems with optional fire extinguisher securely mounted in cockpit

### **ELECTRONICS** – No 2-way radios allowed

- No lights or gauges controlled wirelessly
- Receiver 1-way communication is mandatory
- No GPS devices, traction control, watches or cell phones allowed inside car

### **ENGINES** – Maximum 25.5" from center of left ball joint to front of engine

- Engine plate permitted on setback
- One 4-barrel carburetor and one distributor only
- All cars must have a working starter
- Crate Engines must be sealed and conform to GM Specs

### **TRANSMISSIONS** – All transmissions must have working forward and reverse gears

- Must have internal clutch, no external clutch systems
- Minimum 2" driveshaft constructed from carbon fiber or aluminum, painted white

### **REARENDS** – All rearends must be closed tube design, with one piece axle tubes made from steel or aluminum.

- No weighted tubes or lead ballast may be added to rear housing

### **FUEL CELLS** – All fuel cells must be constructed in a steel container with top mounted pickups & rollover valve. Fuel cell must be properly mounted

### **FUEL** – Hydrometer Test - .760 Maximum Specific gravity

- Ethanol will be "Water Tested" .85 content + or - 5.
- Competitor may be asked to "declare fuel being run"
- Must match baselines at lab for proof of legality
- Fuel Protest \$150. \$500.00 Fine for illegal fuel and 2 race suspension.
- Racing Fuel, Pump Gas, and E85 are only legal fuels

### **BODY** – All bodies must conform to Unified Dirt Late Model Car Construction Rules



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### ENGINE SPECIFICATIONS – 602 Crate Engine

Engine Seals – ALL Crate Series Seals Legal

No engines with standard head bolts are legal.

All parts of GM Crate Engines must remain stock as from factory.

Refer to GM Spec Manual for parts list.

No aftermarket parts PERIOD

Carburetor – One 4-barrel standard carb only

Willy's Equalizer Permitted

Carb spacer can be no more than 1"

Only 2 gaskets allowed, one on each side of spacer maximum (.070) thick.

Super bowl carb not allowed

Headers – Any standard 4-into-1 header

No Tri Y headers allowed and no merge collectors. EVAC systems are not legal

Oil System – No External Oil Systems, oil coolers, and remote mounts permitted

Ignition – Boxes with ability to adjust ignition advance not allowed.

No Crank Triggers

MSD 6520, 65202, Digital Programmable 6AL-2, FAST 307222 are not allowed

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Tires – All 602 Crate Engine cars will run Hoosier SPEC HTS 1350/Crate 21 tires on LR, RF,

Hoosier SPEC HTS 1600/CRATE 55 mandatory on RR

LF optional

Weight – 2400 lbs minimum with 1lb per lap burn off