



## 2020 Southwest Late Model Rules

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 CONDITION OF SPEEDWAY EVENTS AND, BY PARTICIPATING IN THESE EVENTS, ALL RACEWAY COMPETITORS 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 REGULATIONS. THEY ARE INTENDED AS A GUIDE FOR THE CONDUCT OF THE SPORT AND IN NO WAY ARE A GUARANTEE AGAINST INJURY OR DEATH TO PARTICIPANTS, SPECTATORS OR OTHERS.

### General Rules

- A. Track officials may supersede any rules. Track officials reserve the right to approve or translate any rule to proper safety or legality. Tech and race directors have final say on any rulings. Driver is responsible for his/her crew and family members. Driver may be disciplined for inappropriate actions.
- B. Heat races are lined up by pill draw on first night of the season. After that, heat races and main events will be lined up by inverting qualified cars based on point averages with all others lined up heads up. This may be changed for special events.
- C. All cars must pack track upon request. Not packing may lead to starting scratch for the heat and main event (all night, if running more than a heat and main).
- D. All cars must have transponders mounted on the motor plate.
- E. Any car, team and/or driver that does not meet these specifications and/or equipment requirements will be subject to penalties as determined by officials or track management.

### 1.0 Engine

#### Open Motors

1. Engines 364 c.i. and smaller with stock port location and stock valve angle +/- 2 degrees of any make will be required to run a 1" Governor Plate with four 1.200" inserts unless using SB2 heads see 3. Cars must weigh 2,300 lbs. with 1 lb. per lap burn off after all heats and features.
2. Engines 365 c.i. to 410 c.i. with stock port location and stock valve angle +/- 2 degrees of any make will be required to run a 1" Governor Plate with four 1.100" inserts unless using SB2 heads see 3. Cars with STEEL blocks must weigh 2,300 lbs. with 1 lb. per lap burn off after all heats and features. Cars with ALL ALUMINUM motors must weigh 2,350 lbs. with 1 lb. per lap burn off after all heats and features.
3. Engines 411 c.i. and above and any other cubic inch motor using SB2 heads or unrestricted valve angle head of any make will be required to run a 1" Governor Plate with four 1.000" inserts. Motors 411 ci and more must weigh 2,350 lbs. with 1 lb. per lap burn off after all heats and features.

#### Crate Motors

1. GM 602 crate engines PN 88958602/19258602 engines will be allowed. Cars must weigh 2,200 lbs. with 1 lb. per lap burn off after all heats and features.
2. GM 604 crate engines PN 88958604/19258604 engines will be allowed. Cars must weigh 2,300 lbs. with 1 lb. per lap burn off after all heats and features.

## **Wissota Spec Motor**

1. Wissota Spec engines will be allowed and will be required to run a 1" Governor Plate with four 1.250" inserts. Cars must weigh 2,300 lbs. with 1 lb. per lap burn off after all heats and features.

## **Keyser Manufacturing**

1" Governor Plate SKU: 100 125000

1.200" Inserts SKU: 100 125120 1.100"

Inserts SKU: 100 125110

1.000" Inserts SKU: 100 125100

### **1.1 Transmission/Driveline and Driveline Components**

- a. Direct drives systems of any type are not allowed.
- b. Transmission must be bolted to the engine, have working forward and reverse gear(s), and be able to shift to forward or reverse with engine running.
- c. All cars must be equipped with a working self-starter.

### **1.2 Driveshaft**

- a. Driveshaft must be a minimum of 2 inches diameter and must be painted white.
- b. Only one (1) drive shaft connected from the transmission to the center of the rear end is permitted.
- c. A minimum of one (1) driveshaft hoop/sling must be fastened securely to the frame. It is recommended that two (2) driveshaft hoops/slings be utilized.

### **1.3 Rear End**

- a. Any type of rear end differential/center section are permitted.
- b. Live-axle-type rear ends are not allowed.
- c. Independent rear suspensions are not allowed.
- d. Floater-type wide-five hub assemblies are the only hub assemblies permitted.

## **2.0 Fuel, Fuel Cell and Fuel System**

- A. All cars must have fuel cells that meet and/or exceed FT3 specifications. Fuel cell must have a maximum capacity of 32 gallons.
- B. Fuel cell must be completely enclosed in a container that is a minimum thickness of 20-gauge magnetic steel and/or 0.060-inch aluminum.
- C. Entire container must be visible for ease of inspection.
- D. Fuel cell must be mounted behind the rear axle between the rear tires, a minimum of 4 inches ahead of the rear bumper. Bottom of the fuel cell may not be any lower than the bottom of the rear end/quick change housing.
- E. Fuel cell must be mounted with a minimum of two (2) 0.125-inch thick steel straps. Straps must cover the entire fuel cell. Fuel cells that are mounted in a square tubing frame are permitted. 3/8 or 7/16 minimum ASTM Grade 8 bolts must be used to mount fuel cell to the frame.
- F. Fuel pick up must be positioned on the top or right side of the fuel cell and be constructed of steel. Fuel pick up must have a check valve.
- G. Only racing gasoline or alcohol are permitted. Nitrous oxide, nitro-methane and/or propylene oxide are not allowed.
- H. For the purpose of inspection, driver and/or crew must be prepared to drain fuel upon request for inspection and/or measurement.
- I. Fuel cells must have a flapper valve installed or an aircraft-style locking fuel cap.
- J. Only mechanical and/or belt-driven fuel pumps are permitted. Fuel injection system(s) and/or electrical fuel pumps and/or any type of pressurized fuel system is not allowed.

## **3.0 Exhaust, Muffler and Sound Reduction Devices**

- A. All exhaust systems/headers must end with a collector. Mufflers are required and must have one (1) muffler per side (see muffler rule below at the end).

## **4.0 Traction Control Devices**

- A. All electronic and/or computerized wheel spin and/or ignition retardation and/or acceleration limiting and/or traction control devices of any type are not allowed.

- B. Adjustable ping control devices, dial-a-chip controls, timing controls and/or automated throttle controls are not allowed.
- C. Adjustable restrictor plates are not allowed.
- D. Remote control components of any type are not allowed.
- E. Radios and/or devices for transmitting voice and/or data are not allowed.
- F. Data acquisition systems are not allowed.
- G. Any driver or crew member caught with any of the above will be subject to disciplinary actions including fines, loss of points and monies.

## **5.0 Chassis/Frame**

- A. Wheelbase must be a minimum 103 inches and a maximum 105 inches (see stock front clip rule).
- B. All frames must be fabricated from magnetic steel with a minimum of 2-inch by 2-inch or approved rectangular magnetic steel with a minimum material thickness of 0.083 inch.
- C. Minimum of 1.75-inch outside diameter magnetic steel tubing, 4130 chrome moly or DOM with a minimum material thickness of 0.083 inch is permitted for frames that are fabricated from round tubing.
- D. Rear bumpers that are stubbed may only extend a maximum of 8 inches beyond the frame. Any stubbed rear bumper that extends further than the maximum must be formed and directed 8 inches toward the front of the car.
- E. External rub rails are not allowed.
- F. All cars must be equipped with a tow hook and/or strap for the purpose of towing.
- G. All battery supports and/or mounts must be secure and braced in two (2) horizontal positions and one (1) vertical position or approved by tech director.

## **6.0 Weight/Ballast**

- A. The minimum weight of the car with the driver is determined by type of engine used (See Rule 1.0).
- B. Maximum weight of any car with driver may not exceed 2,650 pounds.
- C. Weights up to 50 pounds must be positively fastened by a minimum 2-inch Grade 5 bolts with a minimum of two (2) weight clamps. Total weight must be evenly distributed on left and right sides. Threaded rods are not allowed. All weights must be painted white and clearly labeled with the car number.
- D. Any weight(s) must be securely attached to the frame below the body decking.
- E. Any car that loses any weight/ballast during an event may be subject to a penalty.
- F. Pellet-type and/or liquid-type weight/ballast are not allowed.
- G. Driver-operated weight adjustment, weight-jacking devices are not allowed.

## **7.0 Body**

- A. Refer to diagrams 1-5.

### **7.1 Overall Appearance**

- A. Car must be neat in appearance and must display the number on the front nose and the rear fuel cell. The minimum height for the number must be 6 inches.
- B. Car must have legible numbers on each side and on the roof a minimum of 18 inches in height.
- C. The driver's last name must be placed in legible letters on rocker panels or both doors.

### **7.2 General Body**

- A. Cars must have a minimum 1/2-inch and a maximum 1-inch radius at the top of fenders, doors and quarter panels. Sharp edges are not allowed.
- B. Floorboards and firewall must completely cover the driver's area with no openings.
- C. Fins and/or lips of any type are not allowed anywhere along the entire length of the car.
- D. Body line must be a smooth even line from front to rear.
- E. Wedge-shaped cars and/or body styles are not allowed.
- F. Belly pans or any type of enclosure on the bottom of the car is not allowed. A maximum 1/8-inch skid plate to protect the oil pan is permitted.
- G. Wings and/or tunnels and/or any type of air deflection device is not allowed underneath the body and/or chassis.
- H. Maximum of one (1) stone deflector for rear-mounted oil pumps, oil filters and the main oil tank is permitted. Deflector may be made of steel, aluminum or heavy gauge wire. The cover may only be

mounted near the unit it is designed to protect, with a maximum size of 18 inches by 18 inches and only mounted from the upper right frame rail to the lower right frame rail.

- I. Panels of any type under the rear deck running from the front to the rear of the car are not allowed.
- J. Any style air cleaner scoop used must be positioned in front of or around the air cleaner and must not exceed 1 inch in height above any part of the air cleaner. Any type of flange and/or air deflection device and/or fin that is designed to direct airflow is not allowed.
- K. Except for brake bias adjusters, cockpit-adjustable components are not allowed. Adjusters of any type, including, but not limited to, adjustable shocks, hydraulic or pneumatic weight jacks, trackers, ignition boxes or similar adjustable components are not allowed inside the cockpit or within reach of the seated driver.

### **7.3 Nose Piece**

- A. Only the following approved nose pieces may be utilized: MD3 Performance Bodies, Dominator, APR and Five-Star MD3 type.
- B. Nose pieces must be made of molded type material.
- C. Two-piece noses must be positively fastened together in the center. Spacers added to gain width are not allowed.
- D. Nose piece must be mounted in a manner that does not alter its original shape.
- E. Nose must remain flat above the nose lip/wicker bill. Alterations and/or additions made to this area (other than cooling holes) are not allowed.
- F. Nose piece may extend a maximum of 52 inches from the center of the front hub to the farthest point extending forward.
- G. Nose piece must display a headlight decal package. A one-race grace period, running contrasting color tape in the shape of a headlight, is permitted.

### **7.4 Roof**

- A. Length from front to back must be a minimum of 44 inches with a maximum of 54 inches.
- B. Width from side to side must be a minimum of 48 inches to a maximum of 52 inches.
- C. Must be stock appearing and mounted level to the height of 48 inches.
- D. Minimum height must be 45 inches with a maximum height of 48 inches.
- E. Must be mounted parallel to the body and near the center of the car as viewed from the front of the car.
- F. Maximum 1½-inch roll turned downward is permitted along the front edge of the roof. A maximum 1-inch roll turned downward is permitted along the rear edge of the roof. These modifications are permitted to improve the strength of the roof. Any other modifications to the roof are not allowed.
- G. Flat and/or odd-shaped roofs are not allowed. Bellied and hollowed roofs are not allowed. Anti-glare sun shields may not exceed a 4-inch drop from the top roof line and must hinge for easy exiting.
- H. Maximum of two (2) roof edge bead rolls with a maximum height of \_\_\_\_\_ the length of the roof will be permitted.
- I. Roof posts and spoiler support(s) may not overlap.
- J. Only single-plated roofs are permitted.
- K. Maximum thickness of roof at any point is \_\_\_\_\_.
- L. Roll cage and associated frame members above the interior panels (decking) must remain open. Enclosures are not allowed.

### **7.5 Roof Supports and Window Side Panels**

- A. Roof side panels must extend to the edge of the body.
  - B. Roof side panel window must be a minimum of 10 inches by 15 inches and must match drawing No. 2 side view. A maximum crown of 2 inches is permitted, measured from the center of a common tangent point on either side of the crown.
  - C. Side window area may be covered with clear Lexan and/or equivalent type material, be cut out and/or represented by a decal. Both roof support openings must be covered and/or both must be left open. The left and right side openings must be the same size with a tolerance of 1 inch. D.
- The left and right side window panels must match.
- E. Maximum bow of 2 inches outward on the window side panels as viewed from behind is permitted.
  - F. Front roof supports up to 2 inches in width must extend forward to rear of hood.

## **7.6 Front Fenders, Fender Flares and Hood**

- A. Hood and front fenders must be level and flat from left to right side of car.
- B. Outside edges of hood and/or fender must remain inside overall body line.
- C. Front fender may be a maximum of 37 inches in height, measured vertically from the ground to the top of the fender behind the front tires.
- D. Front fender flares must be made of plastic and may not alter the original shape of the nose piece.
- E. Front fender flares must be flat across entire width of car.
- F. Front fender flares must have collapsible supports.

## **7.7 Doors**

- A. Door-to-door width may not exceed 76 inches measured at top of doors.
- B. Door-to-door width may not exceed 82 inches measured at bottom of doors in center of car.
- C. Doors height may not exceed 37 inches when measured from ground to top of door.
- D. Door sides may not break inward from the top 76-inch and bottom 82-inch measurements. Hollow and/or belled doors are not allowed.
- E. Minimum ground clearance must be 3 inches.

## **7.8 Quarter Panels**

- A. Maximum distance from the center of the rear hub to the top quarter of the panel is 53 inches.
- B. Quarter panel width may not exceed 76 inches at any point as measured at the top of the panels.
- C. Rear deck must taper in a symmetrical manner from the center of the rear hub to the rear spoiler with a maximum width of 72 inches.
- D. Maximum width of quarter panels measured from outside to outside measured 19 inches from ground and/or at bottom of quarter panel will be 86 inches.
- E. Breaks and/or bends formed in the sides of quarter panel that move panel toward center of car are not allowed. Hollow and/or bellied panels are not allowed.
- F. Maximum distance from the center of the rear hub to the rear trailing edge of the quarter panel is 48 inches.
- G. Maximum height from the ground to the top of the rear deck at the top of the rear quarter panel is 38 inches.
- H. Minimum of 2 inches of tire clearance between tire and body is required.
- I. Skirting that extends behind rear quarter panel is not allowed.

## **7.9 Spoilers and Spoiler Braces/Supports**

- A. Only aluminum and/or Lexan and/or Lexan-type rear spoilers are permitted.
- B. Maximum overall height of rear spoiler is 8 inches. Maximum width of rear spoiler, including braces and/or supports is 72 inches.
- C. Rear spoiler must begin at deck and extend 8 inches from that point. Suspending spoiler to create a wing-type device is not allowed.
- D. Rear spoiler must begin at rear most point of quarter panels.
- E. Only four (4) rear spoiler braces/supports are permitted. Front edge of rear spoiler braces/supports must be in line with rear spoiler.
- F. Outside rear spoiler supports may not be mounted any wider than the top of the quarter panels and must be centered on rear deck.
- G. If aluminum angle is used to brace the upper edge of rear spoiler, the angle must not add to the height and/or length of the spoiler in any way.

## **7.10 Interior**

- A. Interior of cockpit must be a minimum of 11 inches below top of roof and/or roll cage, measured perpendicular to the ground from the bottom of roof to cockpit deck. Roof rolls are not part of the measurement.
- B. Side window opening(s) must be 15 inches" from top of door to bottom of roof.
- C. Support bars that block the right window from driver exiting the cockpit are not allowed.
- D. A single rock guard (Lexan screen) tapered back from the steering wheel to the height of 1 inch in the line with the driver's chest providing the 11-inch minimum clearance is met at any point from the roll cage to the body and/or rock guard.

- E. If interior deck drops, drop must begin at the rear of the engine plate with a maximum of 4 inches and must not drop below 4 inches rear of the hood. Start of the dropped interior must remain closed as part of firewall. Entire width must be closed off with sheet metal.
- F. Interior must gradually taper up to quarter panel height and must be level for a minimum of 20 inches from rear of quarter panel and deck.

### **7.11 Driver's Compartment**

- A. Full metal firewall fabricated from magnetic steel and/or aluminum must encompass the driver's compartment from front to rear on both sides and floorboards.
- B. Driver's seat must be high-back aluminum seat designed specifically for racing, located on the left side of the car and mounted securely to the frame per the manufacturer's instructions.
- C. Seat design should be one from a current manufacturer and/or recommended to include the full containment design. Installation of full containment seat should follow manufacturer's instructions. D. Must be equipped with a quick-release-type steering wheel.
- E. Driver's compartment must have a starting switch and/or button within reach of driver.
- F. Clearly labeled electrical on/off "kill" switch must be within reach of driver.
- G. Mirrors of any type are not allowed.
- H. Radios and/or electronic and/or data communications devices are not allowed.
- I. Any edge and/or sheet metal end in and around the driver's compartment must be protected with trim and/or beading and rounded. Sharp and/or protruding edges are not allowed.
- J. Substantial rock guard with a minimum of three (3) additional roll bars must be mounted in front of the driver. Rock guard must be made from wire screen. Windshield screens must be a minimum of 0.090 inch and must securely fastened.
- K. Fully-charged fire extinguisher meeting SFI 167.1 specifications with an activation push and/or pull knob within reach of driver is recommended.
- L. Must utilize a window net of driver's side and/or approved arm restraints.

### **8.0 Suspension**

- A. Suspension must be equipped with an operating four-wheel disc brake system.
- B. Electric or manual right front shut-offs are permitted.

### **8.1 Shock Absorbers**

- A. Shock absorbers must be constructed of magnetic steel and/or aluminum.

### **8.2 Suspension Components/Springs**

- A. Coil springs must be magnetic steel.
- B. Leaf springs may be composite material or magnetic steel.

### **9.0 Roll Cage**

- A. All cars must have a roll cage fabricated from a minimum of 1½-inch outside diameter with 0.065inch thick seamless magnetic steel tubing.
- B. Side roll bars and/or door bars must extend into door panels.
- C. Minimum of three (3) bars must be utilized on the left side in door area. Must have minimum 18gauge driver's side door plates.
- D. Any bars that are utilized for the top portion of roll cage, including, but not limited to front and rear hoops, top hoop and up-rights, must extend a minimum of 1 inch above driver's helmet.

### **10.0 Wheels**

- A. Only steel or aluminum wheels are permitted.
- B. Wheels must be mounted to hubs utilizing lug nuts. Knock-off and/or single-type wheel mounting systems are not allowed.
- C. Wheel width may be a maximum of 14 inches.
- D. Maximum front track width must be 90 inches and maximum rear track width must be 88 inches, measured from outside edge of the tire to outside edge of tire.

### **11.0 Tires**

- A. Chemical alterations, vulcanizing, softening, defacing and/or altering the face of the tire lettering/stamping is not allowed. Chemicals and/or tire softening is not allowed at any time, and tires

may be inspected at any time. Any violation with any tire presented for competition may result in immediate disqualification and/or other penalties, including, but not limited to, loss of monies, fine, loss of points and/or suspension.

- B. Tire clearances from body must be at least 2 inches.
- C. Tires are subject to durometer testing at any time.
- D. Hoosier D55 spec tires, Hoosier D55 E (Economy), Hoosier WRS spec tires and Hoosier WRS2 spec tires 11 x 86, 88, 90 and 92 are permitted.
- E. Defacing and/or altering of manufacturer's identification markings on any tire is not allowed.
- F. Any letters, words and/or numbers that identify the tire may not be removed.
- G. Alteration of tires may result in disciplinary actions, including suspension from all Late Model events.
- H. Tire softeners of any kind are not allowed.
- I. Wheels must fit template with 14-inch maximum width.
- J. Mud plugs should be foam or bolted securely to the wheel behind bead lock.
- K. Tire grooving and/or siping is permitted. De-glazing of tires is permitted.

### 12.0 Stock Front Clip

- A. 108-inch wheelbase.
- B. Motor set back: 78 inches minimum from motor plate to center of axle tube.
- C. 8-inch steel wheels with Hoosier DCM400 or Hoosier H-84 tire.
- D. 7600 RPM rev-limit box must be out of reach of driver.
- E. Same body rules as Late Models.
- F. Weight must be a minimum 2,350 pounds.
- G. If stock front clip cars choose to run the Hoosier D55 spec tire, the 7000 RPM rev-limiting chip must also be utilized.

## Sanction Approved Mufflers

Temporary non-high temperature paint

LENGTH	WEIGHT	INLET DIA.	OUTLET DIA.	BODY DIA.	SANCTION APPROVED	PART #	PRICE
11"	2.35#	3"	3"	3 1/2"	-----	112530	38.95
11"	2.84#	3 1/2"	3 1/2"	4 3/8"	-----	112535	38.95
11"	2.90#	3 1/2"	3 1/2"	4 3/8"	-----	113035	38.95
14"	4#	3 1/2"	3 1/2"	4 1/2"	ASCS - W.O.O	14272735-78	69.95



**These mufflers must be run on all divisions except Legends and Claimers. Valid part numbers: 112530, 112535, 113035 and 14272735-78.**