



## Late Model Sportsman Rules

### BASE WEIGHT

Window sticker for Owosso Tech weight will be applied on the first event. If anything changes from that day forward for the season, it is the drivers responsibility to notify tech of the changes before competition.

- a) The base weight will be 2800 pounds for a manufactured clip car..
- b) 2850 pounds with 23-degree aluminum heads.
- c) 2700 lbs for Box Stock 604 Factory Sealed & Unaltered (2750 lbs w/ CRA legal updates. Must run 6400 rpm chip, CRA legal Jegs carb and meet all Jegs Crate rule requirements with the exception of no restrictor required).(straight rail late model type cars)
- d.) All weights pre-race, raceready.
  - (i) If claiming straight rail late model chassis 2800 lbs, minimum right side weight will be 1120 lbs pre-race, raceready.
  - (ii) If claiming 2850 lbs, minimum right side weight will be 1140 lbs pre-race, raceready.
  - (iii) If claiming straight rail late model chassis with Crate Legal 604\* 2750 lbs, minimum right side weight will be 1100 lbs pre-race, raceready.
  - (iv) If claiming 2700 lbs, Stock front sub open motor minimum right side weight will be 1080 lbs pre-race, raceready.
  - (v) if claiming Stock clip, Legal 604 crate 2650 lbs minimum right side weight will be 1060 lbs pre-race, raceready.
  - (vi) Stock Clip utilizing strut type suspension 2725 lb minimum right side weight will be 1090 lbs pre-race, race ready.
  - (vii) Stock Clip, Legal 602 crate 2625 lbs minimum right side weight will be 1575 lbs pre-race, race ready
- f.) Use of 5" Standard Springs -deduct 25 lbs
- g.) Use of Steel Shocks -deduct 25 lbs
- h.) Full Stock Frame and Stock Suspension with 4 link- deduct an additional 25 lbs.

### Suspension:

- 1. Maximum tread-width measured at spindle height is 78" measured outside of tire to outside of tire.
- 2. Deduct 25 lbs for full metric chassis w/ stock lower suspension as long as stock steering box and 4 link suspension is utilized.
- 3. Aftermarket upper A-Frames allowed.
- 4. One shock, one coil spring and one bump spring per wheel. No Canisters of any kind. Bump spring pre loaders are not allowed.
- 5. Teams utilizing 4 shocks from the APPROVED Economy Shock List on the CRA website may deduct 50 lbs. (under TECH tab at cra-racing.com.)
- 6. Maximum 8" wide steel wheels only. OEM, Floater or Quick-Change rear ends allowed. If a Quick-Change rear end is used, you must have a plate between the rear end and fuel cell.
- 7. Must have working brakes on all four wheels.
- 8. No birdcage set-ups of any kind (3 or 4 link). Trailing arms must mount to the rear end in a solid fashion (heim allowed) and no part of the trailing arm mounting may freely rotate around the rear end. All parts of rear suspension must be solid, one-piece construction with no moving parts, with one heim at each end. All mounts for trailing arms, third links and track bars must also be solid and may not have the ability to move.
- 9. Economy Suspension Package: Teams may deduct 100 lbs for using only one non- adjustable AFco 21 Series Shock per wheel ( or shocks from CRA Economy Shock List) AND no bump springs, bump stocks, coil binding or chassis stops of any kind. Will be checked at a minimum, by putting front tires on ½" blocks and nose or cross member must touch the ground. Only one 360 degree spring rubber is permitted per wheel.
- 10. Leaf Spring Sliders are allowed.

### Transmission/Rear End:

- 1. OEM Style Transmissions (defined as standard style transmission with external, separate, clutch). ALL transmissions must have a working reverse gear.
- 2. Bert, Brinn or Falcon Type Transmissions are permitted as well.
- 3. Cars must utilize a working locked rear end (i.e. a spool or similar).
- 4. Teams using an aluminum case, internal clutch transmission (i.e. Bert/Brinn/Falcon) the SPEC Magnus sealed "Muncie Style" 2 Speed Transmission part #13100, **or unaltered standard 3 or 4 speed Saginaw or Muncie transmissions may deduct 50 lbs.**

Questions about technical matters should be emailed in writing to [tech@owosso Speedway.com](mailto:tech@owosso Speedway.com). Please include your name, the type of car and any relevant photo's that might explain what you are asking more clearly. You will get a reply in writing.



#### Engine:

1. Engine must use cast iron block and heads.
2. Fords may use an external single stage pump, but the oil and sump must still be in the pan directly below the engine.
3. Headers and aluminum intakes allowed.
4. Engine setback maximum 4" from a centerline between the upper ball joints (Strut- type, fab clip chassis must be max 2" setback for engines with rear mounted distributors/ 4" max for front mounted distributors).
5. Center of crankshaft must have a minimum 10" ground clearance.
6. Any two or four-barrel carb allowed (no Predators).
7. **CRA Super or Pro Ignition system required for any package with rpm limits.**
8. Crate Engines must follow JEGS Series rules including carb and ignition box.
9. **Engine/Weight Combinations (to base weights above):**
  - a.) Standard Approved Crate Package (w/JEGS Series Restrictors) *Deduct 50 lbs*
  - b.) Box Stock 604 Factory Sealed & Unaltered (w/o CRA updates) *Deduct 75 lbs*
  - c.) **Box Stock 602 Factory or CRA Sealed & Unaltered Deduct 125 lbs**
  - d.) Aluminum Heads (excluding Crate) Add 50 lbs
  - e.) Engine over 410 C.I. Add 50 lbs

#### Body:

1. Late Model Template or Stock appearing bodies only. No Outlaw Body.
2. Stock appearing bodies may be Aftermarket or OEM. Body should be ABC or similar stock appearing body. No outlaw, "Downforce", "Dirt Style" or square-sided bodies or body panels. Steel, Aluminum, Fiberglass or Plastic panels O.K. Standard 5-star or AR pavement short track noses, roof, and rear bumper covers must be used and may not be cut or altered. (Fenders, doors and ¼ panels MAY BE FABRICATED but must be similar in appearance to those produced by ARP/5Star for these rules). The Five Star Next Gen body has been approved for competition.
3. All parts of the car must be high enough to roll over scale ramps and scales freely.
4. Side windows may go no further back than 12" from the A-Post/Door corner and must go straight up at a 90-degree angle from the door.
5. The maximum front overhang measured from the centerline of the front wheels to the leading edge of the nose is 46".
6. 20 inches is the min. length allowed for the nose, measured from the bottom, leading edge at center, up to the hood seam.
7. Noses must be centered on car and no wider than 79.5".
8. The maximum rear overhang from the centerline of rear wheels to the base of the spoiler is 47".
9. The minimum roof height is 47", measured 10" from front windshield.
10. The maximum rear ¼ panel height is 34.5".
11. The maximum body width at any point is 79.5".
12. The rear deck should remain relatively flat side to side and front to rear.
13. Spoiler must be centered on car and may not exceed 390 sq. inches (ex 6.5" x 60" or 6" x 65").
14. Rub rails may only be used if they are polycarbonate.
15. Tape may not be used anywhere on the car to control the flow of air or seal/secure seams between body panels (unless approved for repairs). Only exception is that tape MAY be used on the radiator grill opening.

#### Additional Rules:

1. A fuel cell is mandatory and cannot exceed 22-gallon capacity. Fuel line must be standard in its size and length. Fuel cell must have a minimum of eight inches (8") ground clearance. Fuel cell must be equipped with at least two (2) protective straps completely around the cell. Fuel cell must be mounted securely behind the rear axle of the car. Cars must have a minimum 1/8" steel plate, or similar strength aluminum plate, between fuel cell and rear end. A similar plate at the rear of the fuel cell is recommended. All cars must have safety bar at the rear of the fuel cell. At a minimum, all fuel cell configurations must include a rubber type cell in a steel container.
2. The rules concerning material usage, such as carbon fiber, in the Super Late Model Section, apply to late model sportsman as well.
3. A collapsible steering column is highly recommended.
4. 2 way Radios are not allowed.
5. Raceiver is mandatory. Must be functional. Must be tuned to frequency 454.000

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