

2024 Shawano Speedway Late Model Rules

All engine combinations competing at Shawano Speedway must be a naturally aspirated V8 with one 4-barrel 4150 style baseplate carburetor with **NO** additional power adders (mechanical or chemical), including, but not limited to turbos, blowers, nitrous oxide or nitromethane etc.

1" inspection plug is required in the oil pan. Hole must be in line with a crankshaft journal and not be obstructed by the windage tray. Plug must be accessible. (except 604 crate)

Mufflers are required at all times on all engine combinations.

Engines -

Engine rules are locked in and will be discussed for the 2025 Season.

1. 604 Crate, Wisconsin and WDLMA Spec Engines (Crate or Spec)

2300 lbs

10" maximum motor setback (29 1/2" Ball joint to motor plate)

604 Crate must pass all GM spec rules

WDLMA spec engine, must meet all WDLMA spec rules

Wisconsin spec engine, must meet all Wisconsin spec rules

2. Aluminum or Steel Headed engine up to 370 c.i.d. (SLM) 2340 lbs

10" maximum motor setback (29 1/2" Ball joint to motor plate)

If motor is between 25 1/2" and 29 1/2" you must add 25 lbs in front of midplate

A maximum 8500 rpm chip must be used at all times

The following will be acceptable valve angles for heads:

Chevy – 23 deg, Ford – 18/20 deg, Mopar – 15/18 deg

No raised runner heads. No spread port exhaust ports. Standard exhaust ports and bolt pattern only.

Heads may have porting done.

Magnetic steel crankshafts and rods.

3. All Engine Combinations over 370 c.i. or Aluminum block (open)

2400 lbs

2400 lbs total minimum weight with 50 lbs to be placed in front of the motor plate. Restrictor Plate must be used.

6" maximum motor set back (25 1/2" Ball joint to motor plate)

You must inform the officials you are using the open motor/restrictor plate option before you race any event.

Teams have the option to use track supplied restrictor plates or Wehrs WM302-1.125" plate or equivalent. If you use anything other than the track supplied plate it is the Owner/Driver/Crew's responsibility to be sure all four diameters do not exceed 1.125". The excuse of "that is the way I bought it" will not be accepted.

TRACK RESTRICTOR PLATES shall be removed and returned in the tech area upon finishing the feature. If not returned, the cost of the plate will be deducted from your race check.

Restrictor plates will have four round 1 1/8" holes. Any car running a restrictor plate, regardless of finishing order, will scale and report to the tech area after each heat, consi, and feature. At that time an official will verify the plate is on and weight is in front of the motor plate. After the feature all cars running the restrictor plate, regardless of finishing order, will remove the plate in tech area for verification. Be prepared to remove weight upon request to be weighed and verified also. All DNF's will be checked by a track official at their pit stall. Failure to follow these procedures will result in disqualification of points and money for the event.

If you have any questions about this option, please contact the inspector BEFORE you race.

4. IMCA Modified Engines 2300 lbs

Engines must meet all IMCA specs

10" maximum motor setback (29 1/2" Ball joint to motor plate)

Stud Girdles will be allowed

5. Scaling Procedure

Heats – Top 5 Cars

B-Main – Transfer Cars

Feature – Top 5 Cars

Only 1 crew member will be allowed in the tech area with the driver until all cars are teched. Any more than 1 will result in a disqualification.

6. Engine Tech Procedure

Engine teching will be done at the discretion of the track officials at any time deemed necessary.

7. Body & Chassis

Body

Any Wisconsin, WOO, Lucas, UMP body style allowed

Clearly display weight and motor on driver side roof post – OPEN, SLM, MOD, CRATE, SPEC

NO wedge-shaped body styles, Wings or air tunneling devices allowed

11" minimum clearance on 2 doors, front and rear openings for easy exit

8" spoiler and sideboards for all engine combinations. Sideboards per WOO/LUCAS/UMP/Wisconsin drawing.

38" Rear deck height from ground to top of deck. 1" tolerance

Spoilers will be measured while cars are in the line-up staging before the race.

Any car not in the line-up staging in time to be measured will start in the rear of the field and be measured at the scales. You must be within tolerance if you are measured at the scales.

Anyone adjusting the spoiler heights after they have been measured in the line-up staging will be fined \$100.00 and if spoiler is over tolerance, you will be disqualified.

Suspension

No through rod shock designs

Rear Suspension

No independent rear suspension

Only one mechanical traction device is permitted – Pull bar or Lift arm

One birdcage attached with a maximum of two solid radius rods to chassis per side. Birdcage brackets and attachments must be welded or bolted solid to birdcage, except pivoting shock bolt. No split birdcages. Chassis mounts must be solidly welded or bolted to frame.

One shock allowed per wheel on left front, right front, and right rear. 2 shocks allowed on left rear, one in front of rear axle and one behind rear axle. One shock allowed on lift bar or pull bar.

8. Wheel Base

103" minimum wheel base

9. Tires and Wheels

Tire rule will be for the 2024 season. The tire rule will be monitored and evaluated throughout the season for any adjustments that may be needed for 2025 and beyond.

Hoosier W30's, LM30 or NLMT 3 only on all four corners

Grooving, siping and grinding allowed on all tires

All tires must be approved by the series officials only

Beadlocks **must** be run on the right side of car, front and rear

Tire samples will be randomly taken and sent into a lab for testing.

Any wheel spacer must be constructed in aluminum

Hard wheel covers must be fastened to the wheel with a minimum of (3) 1/4" or larger bolts. No Duesz fasteners or expander rings allowed.

10. Fuel

Fuel must be gasoline, ethanol-enriched gasoline or alcohol only

11. Transponders

All cars must run a transponder. Transponder location shall be 24" behind rear axle tube.

12. Miscellaneous

If a driver gets out of his car while under a caution or red flag, that driver will be DQ'd for that event. If your pit crew at any time goes out on the track during a yellow or red flag, the driver will be DQ'd for that event.

All cars are required to have a check valve and roll over flap on fuel cell. Clearly display weight and class on driver's side roof post (Crate, Spec, SLM, Open)

No traction control devices of any kind.

A top feed, SFI approved fuel cell is highly recommended.

Head and neck restraints (not foam collars) are required.

Full containment seats are highly recommended.

A window net or arm restraints are required.

An automatic discharge fire system is highly recommended.

A master electrical shut-off is mandatory behind drivers' seat, mounted on Deck and must be easily accessible from outside of car and be clearly labeled ON and OFF.

Ballast weight must be painted white and have your car number on it. Ballast must be attached to the welded main chassis only. Ballast may not be mounted to any bolt-on component of the car (other than weight clamps), including but not limited to any suspension, side-bars or bumpers. Ballast may not be mounted above the deck. A minimum of (2) ½" bolts (no threaded rod) must be used to secure ballast.

Any situation not covered in these rules will be decided by track officials.

13. Line-up Procedures

POINT AVERAGE SYSTEM For regular weekly event. A Point-average system, involving a draw for the heat races and the use of a three-week point average (based upon the last three events that a competitor had competed in at that race track) for the feature race. Opening regular night: draw for heats, redraw for feature. After opening night, when a driver that is in attendance for the first time for a regular night race and he/she makes the invert "qualifies", he or she will be allowed to use a redraw for the feature race for a position of five on back in the invert. If there is only one heat, new drivers will draw for existing invert positions remaining. The first four positions will not be allowed in the redraw. This is a first-time option used only by a first-time visitor after opening night.

POINTS WILL BE AWARDED FOR:

Heat Races, Consi's, Feature and Show Points

Show Points:

1 to 9 cars participating, ten (10) show points, 10 to 15 cars participating, eleven (11) show points, 16 or more cars participating, twelve (12) show points. Participating means that a car must take a green flag at some time during the racing program, including hot laps.

A last call warning will be given for packing track. Failure to pack track upon request on your night results in a \$50.00 fine and starting in back of your h heat and feature for the night.

All safety and track operation rules must be followed and can be found on the Shawano Speedway website.

The race director and class inspector will be permitted to make any reasonable changes from these rules if they feel necessary to promote fair competition amongst everyone. Any interpretation or deviation from these rules is at the discretion of the officials. Any head or engine the track feels to be unfair to competition shall be moved to the open class. Their decision is final.

NO EXPRESSED OR IMPLIED WARRANTY OF SAFETY SHALL RESULT FROM THESE RULES OR ANY CHANGES TO THEM.

Any questions regarding the rules, E-mail: shawanofair@gmail.com. E-mail Response: Dirt Kings Rules – Dirt Kings have not updated their 2024 rules. The Shawano Speedway has moved forward with their 2024 Rules at this time. Only a few minor changes made from last year & clarifications.