

# THUNDER VALLEY SPEEDWAY

## WINGED SPRINT CLASS RULES

- Any sprint chassis is permitted.
- The roll cage **must** be of (4) four post design.
- Dirt champ cars are not permitted.
- All chassis are subject to tech and safety inspection at *any time* and will only be accepted when design, materials, and quality of construction have met with approved practices.
- Wall thickness of main cage tubing **must** be .095" chromoly tubing or thicker.
- Minimum wheelbase is 83", maximum wheel base is 92"
- Traction control devices of any kind are not permitted. Failure to adhere to this rule will be fined **\$2,500** and lose points for the entire season.
- **AFTER THE MAIN EVENT HAS CONCLUDED - THE TOP 3 FINISHERS MUST GO DIRECTLY TO THE SCALES AFTER EXITING THE TRACK.**
  - In the event of not going to weigh in directly after the main event has concluded, *any points you acquired that race will be relinquished.*
- Minimum weight 1,525 pounds
  - Cars will be weighted post race with the drivers inside. Any car that needs to add weight to make the requirement will have to do so on the lower frame rails of the engine compartment. All weight must be painted white and have your car number scribed or painted on it.

### Transponders & RACEceivers

- RACEceivers are mandatory.
- Transponders will be mandatory
  - Those running without one will not time in and will run in the rear.

### BODIES

- Bodies are **required**, style optional.
- Hoods are **mandatory** and **must** cover the radiator and engine compartment.
- Belly pans or floor boards **must** extend from frame rail to frame rail and from the front fire wall to the rear of the foot area.
- Sub flooring or foot retainers **must** be attached to the frame rails and **must** keep feet inside of the car.
- Floor boards or belly pans under the fuel cell are not permitted.
- Top wing style optional.
- 25 square foot maximum area, 55 square foot total wing area including side panels.
- All rear wing mounts **must** be located outside the roll cage.
- Driver adjustable or hydraulic slider wings are permitted.
- Center foil **must** be fully sheathed in aluminum and side panels must be aluminum.
- Center foil **must** be a one-piece construction.



- Split or bi-wings are not permitted.

## BUMPERS

- Front bumpers, rear bumpers, and side nerf bars are **mandatory**.
- Front bumpers **must not** extend more than 8" past the front face of the front torsion tube.

## ROLL CAGE

- **Must** be a minimum of a four (4) point roll cage.

## IGNITION

- Ignition switch **must** be a toggle or push/pull type and clearly marked with ON/OFF.
- Key type switches are not permitted.

## SUSPENSION

- **Must** have at least one working shock absorber per wheel.
- Remote or cockpit adjustable and/or remote reservoirs are not permitted.
- 8.9 Seat

## STEERING

- Steering type optional.
- Pitman arm **must** be outside of cage.
- Quick release steering wheel **required**.

## REAR ENDS

- Any type of rear end is permitted. However, independent rear ends are not permitted.

## BRAKES

- Brake rotors **must** be made of steel, aluminum, or titanium only.

## TRANSMISSION

- Any transmission or in and out box is permitted.
- All drive lines **must** be broken in the coupler or rear slider.
- The drive line **must** be fully enclosed and contain no more than one U-joint or CV joint.
- Torque arm drive lines are not permitted.
- A safety hoop that is securely attached to the chassis is **required**.

## MOTOR RULE

- Offset engines are not permitted.
- Engine **must** be directly in front of the driver.
- Driver **must** straddle the drive line.
  - Motor Rule
    - No cubic inch rule.
    - Cast iron and aluminum blocks are both permitted.
    - **MANDATORY**: 2 3/16" stacks or restrictors. Restrictors must be minimum 3" tall.

## CYLINDER HEADS



- Cylinder heads **must** match engine type, GM for GM etc.

## **SAFETY GEAR**

- SFI rated fire suits are **mandatory**
- SFI rated gloves are **mandatory**
- SFI rated racing shoes are **mandatory**
- Arm restraints are very *highly* recommended
- Neck restraint is **mandatory**, HANS device is highly recommended
- Fire suppression system is highly recommend
- Full face racing helmet with a snell rating **mandatory**

## **TECH**

- Any car that makes the podium in a feature race or top three in points for the day is subject to tech inspection.
- Tech can also be random at the discretion of the pit boss or tech inspection.
  - *In the event of not passing tech, any points or purse that day will be relinquished.*