

RIVERSIDE SPEEDWAY/MUNCE'S SUPERIOR INC.

TWIN STATE CLASH OF THE TITANS 150 RULES

The rules for the Twin State Clash Of The Titans for 150 are listed below. Also, Riverside Speedway Late Model rules, ACT Late Model rules, WMMP Late Model rules are all eligible to be used for this event. Other Late Model series and tracks are also eligible by following the open rules. Any significant differences may be adjusted with weight penalties. For tech questions please contact Doug Shannon at 603-636-2376.

TIRE RULE

GOODYEAR EAGLE 8" – 2672 LEFT / 2882 RIGHT

YOU MAY PURCHASE UP TO SIX TIRES FOR THE EVENT, YOU WILL TURN IN A TIRE SHEET PRIOR TO START OF RACING LISTING UP TO SIX TIRES YOU WILL HAVE IN YOUR INVENTORY. ONLY THOSE SIX LISTED WILL BE ALLOWED TO USE FOR THE DAY. YOU MAY PURCHASE AS MANY PRACTICE TIRES AS YOU WISH. ANY CHANGES NEEDED, WILL BE REVIEWED BY TRACK OFFICIALS.

RIVERSIDE TEAMS WILL BE ALLOWED TO ENTER ALL TIRES PURCHASED INTO THEIR REGULAR SEASON INVENTORY FOLLOWING EVENT.

GOODYEAR TIRES WILL BE SOLD AT  
TRACK

THEY WILL BE DUROMETER TESTED

ABSOLUTELY NO SOAKING / JUICING /  
ENHANCING TIRES

**Open Late Model event rules**

**Standard Perimeter chassis only**

**Lead Ballast Weight Only and must have car number on all attached weight.**

**Body: May be stock or approved aftermarket steel or aluminum or "ABC" or template equivalent type permitted . MUST fit templates. Aftermarket manufactured plastic fenders are permitted.**

**Full minimum 1/8" clear Lexan type windshields and rear window must be used. Windshield and rear window must have at least 2 internal braces for support. Side Quarter windows are permitted.**

**Rear spoiler shall not exceed 5 inch in overall or surface to top edge height. The spoiler shall not exceed 60" width and must be mounted at the rear bumper cover. No side bracing or boxing permitted. The maximum height of the top of the spoiler to the ground shall be 40". Spoilers must be centered on rear bumper cover within 1".**

**Chevrolet : Monte Carlo – Impala Dodge : Charger – Intrepid Ford : Fusion – Taurus  
Pontiac : Grand Prix Toyota : Camry**

**Industry Standard Safety equipment rules apply  
Aluminum Racing seat, Safety belts, window net, fire suppression Helmet, suit, gloves and roll bar padding required. Head and neck restraints highly recommended.**

**Radios are permitted.**

**Suspension Components:**

**Front and rear suspensions may be coil spring or coil-over spring type.**

**All coil springs must be minimum 5 inches diameter. Coil-over springs are limited to a maximum 3 inch outside diameter spring. All springs are to be of magnetic steel. Magnet must stick to spring. Spring rubbers are permitted.**

**Shocks:**

**One Shock per wheel. Maximum retail price of \$150 per shock permitted. Shocks must remain as manufactured.**

**Shocks approved for competition with coilover suspension:  
KONI: KON30-7436 - KON30-9325 - KON30-7325 - KON30-9436 - KON30-1309 or any shock that fits the above shock limitation.**

**One piece only sway bar is allowed in front. No rear sway bars permitted.**

**Tread Width Maximum 65 inches. Stock front clip cars permitted tread width 66 ½ inches.**

**Minimum allowable wheel base shall be 104 inches.**

**Rear Suspension: Truck arm or three-point rear mounting suspension allowed. Solid pan-hard bar only. No aluminum truck arms. No fifth coils. No Watts linkage permitted. Trailing arms must be**

solid and may be of unequal length. Rubber mounts may be used. No torque arms permitted. No devices to mechanically transfer weight while car is in motion permitted. Rubber "snubber" allowed on rear trailing links. One upper link pivot with rubber bushing allowed.

**Brakes:** Four wheel brakes in good working order are mandatory. Front brake rotor must be a minimum of 1 (one) inch thick and made of steel. Car must be equipped with one working caliper per wheel.

**Fuel cell** is mandatory and must be approved by technical inspector. Minimum cell height from bottom to race surface shall be 8 inches. Must have flapper/ball valve assembly in cell to prevent spillage if overturned. Must be enclosed in a 20 gauge metal canister and installed in a safe manner. Must have a safety loop designed to protect the rear of the cell.

#### Engine Option Requirements

1. Gm ZZ4 and GM circle track engine #88958603-GMR-350/355 in factory unaltered condition.
2. Built engine option detailed as follows:

#### Approved Eligible Engines

GM 350  
Ford 351 W or 351 SVO  
Chrysler 318 or 360

GM Bowtie, Ford SVO, and Mopar Performance parts are not considered O.E.M. and are not approved for competition unless otherwise stated within rules. Engine Overbore

Maximum overbore size permitted is .040 inches. Stock stroke must be maintained.

**Piston / Rods:** Aftermarket racing type pistons permitted. Must be flat top with stock pin locations. Two valve relief's permitted. Aftermarket racing type wrist pins permitted. Floating wrist pins permitted. Connecting Rods must be of stock length and configuration. No billet, aluminum, titanium, or carbon fiber rods permitted.

**Crankshaft:** Crankshaft must be standard production steel or cast. No lightening or knife edging permitted. Balancing permitted. GM Minimum crankshaft weight to be 50 lb. Stock stroke for engine utilized with tolerance of up to .02 from standard O.E.M. crankshaft stroke.

Oil System Wet type system only permitted. Oil pump must be located in oil pan.

**Cylinder Heads** Stock production cast iron heads only with minimum 60 cc. chamber permitted. Maximum valve size 1.94/1.50. A maximum of 10.99 absolute compression ratio on all engines permitted. No aluminum heads permitted, and must be O.E.M. castings. All heads must have legible casting numbers. No porting, no polishing, no painting, no angle milling permitted. Cars utilizing 2.02.1.60 valves will be subject to 50 lbs weight penalty and must be delared by competitor prior to event.

**Camshaft:** Any steel hydraulic or mechanical (flat tappet)camshaft. No roller cams permitted. Cams must be chain driven. No gear or belt drives permitted.

**Valve Lifters:** Solid or hydraulic lifters permitted. No roller lifters permitted. No mushroom lifters permitted. Lifter bores may be bored or re-bored and sleeved.

**Rocker Arms: Roller rocker arms permitted.**

**Intake Manifold:**

**Chevy: Aluminum Edelbrock # 2101- #2116 - #7101 - #7116**

**Ford: Aluminum Edelbrock #2181.**

**Dodge: Aluminum Edelbrock # 2176**

**Carburetor: Holley 500 cfm. 2 barrel carburetor part #4412 permitted. Absolutely no material may be added or removed from carburetor, except bolt-on choke mechanism. Canton P.N. # 85060 or Moroso P.N. 64948 carburetor spacers are the only permitted spacers. Only 2 paper gaskets (1 per side) with a maximum thickness of 0.065 inch will be permitted. RESTRICTOR PLATE IS NOT MANDATED FOR THIS EVENT.**

**Engine Location: #1 Spark plug must be aligned with center of upper ball joints**

**Engine Height: Centerline of crankshaft harmonic balancer must be located a minimum of 10 inches above the ground plane**

**Within the guidelines of utilizing the 'ZZ4' engine option all competitors are subject to a zero tolerance policy of inspection and conformability to all guidelines as specified by the manufacturer.**

**Ignition System: Only stock production or O.E.M. replacement H.E.I. ignitions permitted or M.S.D. Components.**

**Engine Cooling System: Radiator must be located in standard position and an overflow protection system with a minimum 1 quart over flow tank as not to discharge fluids directly on the race track. No antifreeze permitted. Approved cooling additives may be added.**

**Engine Exhaust System: Exhaust headers permitted. Mufflers are required, Howe #3002, or equivalent. 180 degree headers or 2 into 1 systems are permitted.**

**Clutch-Flywheel: Stock clutch with one clutch disc and one pressure plate. No aluminum pressure plates permitted or Multi (2 or 3) disc racing Clutch with matching flywheel may be used. Minimum 7 ¼ inch diameter permitted**

**Transmission: Transmission must be stock 3 (three) speed or stock 4 (four) speed standard transmission. No automatic transmissions permitted.**

**Drive Shaft: Only Steel drive shaft permitted. 12.5**

**Rear End: Rear ends must have floating type bearing and hub such as quick change or floater. No cambered rear ends permitted. Solid flange drive plates only. Any O.E.M. rear ends must have approved aftermarket axles, ( Mark Williams, Summers Brothers, etc.) All rear axle carriers must be**

equipped with spool, Detroit locker or stock open carrier only. Traction control devices are not permitted.

**Wheels:** Only aftermarket 15-inch diameter 5 lug steel racing wheels with an 8-inch rim width and a reinforced center are permitted. "Wide 5" or "5 on 5" wheel-hub stud pattern permitted. Bleeder valves are permitted. Wheel spacers are permitted.

**Tires:** Only approved tires permitted. Approved tires are those tires purchased from Event promoter or an approved dealer. Any competitor who, during an event, uses or is in possession of 1 or more tires that have been altered externally or internally by unauthorized treatment is subject to disqualification. Any team found with any tire softener, conditioner, or any substance used to treat tires, in their possession (including trailers and haulers) during the event will be disqualified.

## Competition Weights

2850 Lb            #1            ZZ4 or "603" GM Crate Engine

2900 lb            #2            Steel head Engine

Total weights are based upon car race ready with driver, full of fuel, water and oil before race. Fuel burn off allowance for event may vary upon event distance and conditions.

Left side weight: 56 %(percent) left side maximum. Maximum left side weight percentage must not be exceeded before, during, or after each race event.

Add 50 lbs for 2.02/1.60 cylinder heads

Car Weights Post Race: When cars are weighed after competition, only water, oil and gas may be added to verify total weight requirement is maintained if necessary. Left side maximum weight % must be maintained before, during, & after each race event. NO refueling allowed.

## Heights

Minimum Heights: All measured with driver in car.

4 inch minimum height of frame and any body components to ground.

3 ½ inch Skid plate minimum height to ground.

47 inch roof height-10 inches back from windshield