

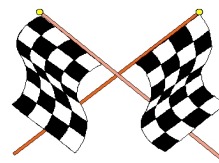
O.V.R.A.

Ozark Vintage Racing Association

Official

Super Modified

Rules and Specification



A. BODIES

1. **Type:** Any American made car, coupe or sedan, 1927 thru 1948, no convertibles or trucks allowed. Rear wheel drive only.
2. **Body:** Body and frame not required to be of same make or year. Open top optional. Head ache or rollover bars through opening recommended 2 minimum 24 inches inside to inside minimum, must connect from front to rear or side to side of cage hoops, and extend above body line of top, enclosed top recommended. Fiberglass bodies allowed. Must be Stock dimensions and specifications.
3. **Doors:** Doors must be bolted or welded shut. No chain or straps allowed. Stock doors only.
4. **Fenders:** Fenders optional. All cars without fenders must have nerf bars. Nerf bars must have rounded edges.
5. **Hood:** Hood mandatory, hood sides optional. Without sides fan shroud mandatory.
6. **Interior:** All glass and interior must be removed. Stock fire walls and floor pan not required. Fire walls required. Steel or aluminum only. Must seal compartment at body points and connect and seal to floor pan front. All floor pans must extend from side to side of both sides of body panels, and run from front fire wall to even with the backside of back roll cage hoop minimum, and totally cover all drive train components in front of and under driver. Floor pan not to be any higher than top of frame rails. No deck style interiors.
7. **Paint:** All cars must have neat appearing paint and lettering. No primer paint jobs.
8. **Windshield:** Windshield area must be covered in a safe manner. 1/4 inch rod optional. Must cover 1/2 of windshield opening. Wire mesh recommended. No mirrors.
9. **Not Allowed:** No chopped tops, No wings, No narrowed, shortened or widened bodies. Stock dimensions only.
6. **Carburetor:** 4 barrels 750 cfm maximum. Box stock. Choke may be removed, No polishing.
7. **Cooling System:** One stock type front mounted radiator. No rear mounted radiators. Aluminum allowed.
8. **Exhaust:** Any type header. Keep in mind some tracks have muffler rules.
9. **Fuel:** Gas only. No alcohol.
10. **Heads:** Any stock O.E.M. head. All heads must be of 1980 production style or prior. Screw in studs and Roller rocker arms allowed. No angle plug heads. No fly cutting or angle milling allowed. No after market bow tie, world parts, dart, etc. heads allowed. No aluminum heads.
11. **Ignition:** Stock O.E.M. type single or dual point type or electronic. Performance coils allowed. No M. S. D. type ignitions or magnetos allowed.
12. **Intake manifolds:** Must be dual plane. Steel or aluminum. 1975 style or earlier. No after market Bow tie, Brezinzki, Marine, Dart, etc. No Air gap or tunnel rams. Spacers and adaptors allowed 1 inch maximum. No grinding in plenum. Open plenum allowed for 6 cyl's and flatheads only. No fabricated intakes. 4 bbl allowed for 6 cyl's and flatheads. No polishing.
13. **Oiling:** Stock O.E.M. type pumps only. No internal or external dry sump pumps. Any type oil pan allowed. Remote oil filter allowed for clearance. Oil coolers allowed must be mounted outside of drivers compartment.
14. **Pistons:** Any piston. Cast or forged.
15. **Pumps:** Stock type water pump. Stock type manual fuel pump. Electric fuel pump allowed must have some type of safety shut off in place and operational. Combination of manual and electric fuel pumps not allowed. No belt drive fuel pumps. No drive train driven pumps of any kind. Power steering pumps stock only. No after market.
16. **Pulleys:** Stock type only. Aluminum Ok. Steel balancers only. Must have balancer bolt. No fluid dampeners.
17. **Flathead Engines:** May have multiple carburetion or fuel injection. Aluminum heads and intakes allowed. Stroking or destroking allowed. Cubic inch same as overhead valve. 320 cubic inch plus .060 overbore. Magnetos allowed. If using a Arden conversion it will be considered as overheads and will abide by rules and specifications in Section B.1 thru 16 with the exception of magnetos.

B. ENGINES

1. **Type:** Any American production O.E.M. overhead valve, eight cylinder, six cylinder, or flathead. No straight 8s, V6s, or overhead cam engines. All engines must be of 1980 production style or prior, but are not required to be of same make of body or frame.
2. **Block:** Must be stock O.E.M. type. No after market blocks of any type allowed. No marine, bow tie, S.V.O. or aluminum blocks allowed. Stock means Stock.
3. **Cubic Inch:** No engine is to exceed 320 cubic inch. Maximum .060 overbore allowed. **No strokers allowed!** Crank and rods must be stock stroke, and length for make and model. No Aluminum rods.
4. **Camshaft:** No roller cams or lifters. No mushroom cams or lifters. Timing components O.E.M. type only. No gear drives.
5. **Crankshaft:** Stock stroke only.
18. 6 cyl's must abide all other engine rules other than exceptions stated.

C. FRAMES AND SUSPENSION

1. **Type:** Any American production type frame 1928 thru 1964. Straight rail channel type car and truck frames only allowed. Not required to match make and year of body. No tube frames allowed.
2. **Frames:** Frames may be boxed for strength. Frame rails must remain stock to directly behind the driver at first point of kick up to clear rear-end. No under swung frames, front, or rear. Rear clip square tubing only. 2x2 minimum 0.95 minimum wall thickness.
3. **Roll cage:** Must be welded to frame at six points all back, top, and front hoops and down legs must be built of 1 1/2 inches in diameter 0.95 wall thickness tubing minimum. Door bars two horizontal per side minimum 1 1/2 in diameter 0.95 wall thickness minimum. Three vertical 1 1/2 inches minimum between door bars each side. Door bars must connect front and rear cage hoops. Back of cage must be "X"ed. Left side steer must 3 door bars.
4. **Set Back:** Engine set back not to exceed 20 inches from the center of front axle to number one spark plug hole, maximum.
5. **Bumpers:** Bumpers not to extend past outer edge of any tire. No sharp edges or corners. Recommended that front bumper extend 4 inches from front of tire to back side of bumper and extend from inside to inside of front tires. Rear bumper may extend 1/2 the width of rear tires.
6. **Wheel base:** 104 inches minimum.
7. **Suspension:** No coil or coil over springs. No fiberglass springs. No independent front or rear suspension allowed including twin I beam. Any front stock O.E.M. king pin type straight axle only. No fabricated axles. Front or rear cross leaf springs or parallel leaf springs allowed. Or a combination of cross and parallel allowed. Torsion bar on rear only allowed. Front end and Rear end on any cross leaf may be connected by radius rods by using tie rods, heim ends, or cleavis. Top radius rods must be of equal length, and lower radius rods must be of equal length. Wish bone may be split. Weight jacks front and rear allowed. No hydraulic jacks of any type. No 5th arms, pull bars, lift bars, reese bars, spring bars, of any style or type allowed. Panhard or sway bar allowed front and rear. No birdcages, Jacobs ladders, J bars or brake floaters. No sliders.
8. **Rear end:** Any stock or racing type allowed.
9. **Shocks:** One per wheel only. Heim end Allowed. No aluminum or coil over type allowed. Cost not to exceed \$70.00 No adjustable shock mounts. No air shocks.
10. **Hubs:** Any type hub steel or aluminum. All hubs must have 5 lugs minimum. Stock axles must long studs and 1 inch lug nuts front and rear.
11. **Brakes:** Four wheel brakes mandatory. This means operational at all times. Drum or disc allowed. Brakes cannot be adjusted by driver when in motion. No brake valves of any type.
12. **Steering:** Any type, power optional, center steering optional. No rack and pinion allowed.
13. **Weight:** All cars 2000 lbs minimum. after race with driver. 200 lbs of moveable weight is allowed. Must be bolted in place, **No hose clamps or wire.** Must be painted white with car number on it.

D. SAFETY

1. **Driver:** Must wear safety approved fire suit and full face helmet. Fire proof gloves **Mandatory!** Shoes, hood, and neck brace are optional but highly recommended
2. **Belts:** Must be 4 or 3 point 3 inch wide quick release racing belt sand shoulder harness only. Sub strap recommended. belts must be mounted directly to cage, or seat bracket by grade 8, 1/2 inch bolts. No chain mounted belts allowed.
3. **Fire Extinguisher:** All cars must be equipped with fully charged fire extinguisher, accessible, and reachable by driver when belted in car. Multi-nozzle, quick release systems allowed and recommended.
4. **Fuel cell:** Mandatory. 16 gallons maximum. Tip over valve and can mandatory. Mount must consist of no less than 1 inch square tubing from frame rail to frame rail. With no less than 2 inch flat strap 1/8 inch thick surrounding fuel cell at least twice and connected safely to the mount. Must be located in rear trunk area of car. Any floor pan or obstruction which would trap fuel below cell must be removed. All fuel lines must be braided or racing type fuel line. All fittings must be screw on type with barb type end for fuel line. This means all fuel line connections from fuel cell to carburetor and back to the cell. Also meaning there will be **NO** hose clamps, neoprene or metal fuel lines allowed. Fuel shut off valve within reach of driver while belted in car mandatory
5. **Seats:** Aluminum racing type seats only. No fiber glass, boat, or bucket seats allowed. If using a sprint car style 1/2 seat must be equipped with a head rest.
6. **Switches:** On and off switch must be within the reach of driver while belted in car and within reach from outside of car.

E. TRANSMISSION AND DRIVE TRAIN

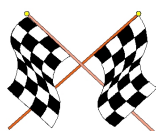
1. **Bell housing:** Stock type only. Blow proof recommended. Stock type must have a 1/4 inch scatter shield or SEMA approved blanket
2. **Clutches:** Stock O.E.M. type clutch and pressure plate only. Paddle type clutch disc allowed. No mini clutches, ram coupler, direct drives, or crower glides allowed. Hydraulic throw out bearings allowed. Hydraulic slave cylinder for stock arm allowed.
3. **Drive shafts:** Stock Type only. No Aluminum. All cars must have drive shaft loop around front and rear of drive shaft. Drive shaft must be painted white.
4. **Fly wheels:** Aluminum and steel allowed.
5. **Transmission:** Any stock O.E.M. production type allowed. All forward and reverse gears must be in working order and pull car under a load. No after market type transmissions. No Bert, Brinn, etc. allowed. Automatic transmissions allowed but must be stock production type with converter. 10 inch dummy converter optional. No After market transmissions allowed. T.C.I., B&M, etc.

F. TIRES AND WHEELS

1. **Tires:** Any D.O.T. or racing tire allowed.
2. **Wheels:** Any type racing wheel allowed steel or aluminum 14 inch wide maximum rear 10 inch wide maximum front. If using stock steel wheels they must have a 1/4 inch plate welded behind wheel center for strength. No chrome reverse wheels. No after market or stock mag type steel or aluminum wheels. No bead locks or locking devices of any type. No screws of any type to be used in wheel or tire bead.

NOTE:

If it is not in these rules, it does not mean it is legal, or that it will be allowed.



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