



## **OUTLAW DRAG RADIAL**

The Outlaw Drag Radial is a single power adder shootout class developed for LS powered cars or trucks. All races are on a .400 Pro Tree and in a heads up format. This will be an ALL RUN qualifying format. Vehicles are required to be stock appearing and stock bodied. All vehicles MUST pass NHRA/IHRA safety inspection for ET and speed. A Sportsman ladder will determine running order. Vehicles may be towed to the staging lanes and from the scales.

### **BASE WEIGHTS, POWER ADDER CID WEIGHT**

Nitrous 500 2600

Supercharged 500 3200

Single Turbo (106) 500 3300

Single Turbo (115) 500 3400

Twin Turbo (76) 500 3300

Twin Turbo (88) 500 3400

Maximum cubic inches is 510. If actual cubic inch is more than base cubic inch listing there will be a weight penalty of 8.5 lbs. per cubic inch assessed to weights, up to the maximum cubic inch permitted in the class

### **WEIGHT ADDER/DEDUCTS**

- Sheet metal intakes +50 lbs.
- Ladder bar or 4 link suspension +100 lbs.

### **ENGINE:**

Only LS based small block engines are allowed. Cast aluminum or iron block permitted. Billet cylinder heads and blocks are prohibited. Any LS OEM or LS aftermarket head. Any modifications allowed to heads. Displacement will be verified by using the P&G method. Dry sump oiling systems permitted. Exhaust must be directed away from vehicle, through the fender exhaust permitted. Nitrous and supercharged combinations must run mufflers. Zoomie headers are prohibited.

**SINGLE CENTRIFUGAL SUPERCHARGER:** Inlet diameter-internal OD 5.250-inch maximum, impeller inducer diameter 5.150-inch maximum, impeller exducer diameter 8.000-inch, discharge diameter-external 4.00-inch, housing diameter (greatest external diameter of housing not to include discharge) 12.0 maximum. Injection of any liquid, gas, or any other substance into the inlet or exhaust housing is strictly prohibited. Supercharger compressor wheel must be constructed of cast or billet aluminum. Exotic material wheels prohibited.

**SINGLE TURBOCHARGER 115 MM:** Accepted single turbochargers are permitted with the following requirements: 1) Turbocharger must be of conventional impeller and housing design and type. 2) Turbocharger is limited to a maximum size of 4.528" (115.0mm) - inducer wheel diameter at the point where the leading edge of

the compressor wheel meets the inlet housing. 3) Inlet housing is permitted a maximum inlet diameter of 4.608" where the leading edge of the compressor wheel meets the housing. 4) All air entering the turbocharger must pass through the turbocharger inlet. Injection of any liquid, gas, or any other substance into the inlet or exhaust housing is strictly prohibited. Turbocharger compressor wheel must be constructed of cast or billet aluminum. Exotic material wheels prohibited. The tips of the impeller wheel may not be stepped, cut down, or notched to meet impeller tip-to-tip dimension. Reducers prohibited.

**SINGLE TURBOCHARGER 106 MM:** Accepted single turbochargers are permitted with the following requirements: 1) Turbocharger must be of conventional impeller and housing design and type. 2) Turbocharger is limited to a maximum size of 4.173" (106.0mm) - inducer wheel diameter at the point where the leading edge of the compressor wheel meets the inlet housing. 3) Inlet housing is permitted a maximum inlet diameter of 4.253" where the leading edge of the compressor wheel meets the housing. 4) All air entering the turbocharger must pass through the turbocharger inlet. Injection of any liquid, gas, or any other substance into the inlet or exhaust housing is strictly prohibited. Turbocharger compressor wheel must be constructed of cast or billet aluminum. Exotic material wheels prohibited. The tips of the impeller wheel may not be stepped, cut down, or notched to meet impeller tip - to-tip dimension. Reducers prohibited

**TWIN TURBOCHARGERS 76 MM:** Maximum size 76.0mm/2.992-Inducer wheel diameter at the point where the leading edge of the compressor wheel meets the inlet housing. All air entering the turbocharger must pass through the turbocharger inlet. Inlet housing is permitted a maximum inlet diameter of 3.072" where the leading edge of the compressor wheel meets the housing. Injection of any liquid, gas, or any other substance into the inlet or exhaust housing is prohibited. Turbocharger compressor wheel must be constructed of cast or billet aluminum. The tips of the impeller wheel may not be stepped, cut down, or notched to meet impeller tip-to-tip dimension (.500-inch will define the tip of the impeller wheel). Compressor wheel and housing may not be stepped, notched, or clipped; e.g. The contours must be continuous features from the inducer to the wheel exducer. Exotic material wheels prohibited. Reducers prohibited.

**TWIN TURBOCHARGERS 88MM:** Accepted twin turbochargers are permitted with the following requirements: 1) Both turbochargers must be of conventional impeller and housing design and type. 2) Turbochargers are limited to a maximum size of 88 mm/3.465" - inducer wheel diameter at the point where the leading edge of the compressor wheel meets the inlet housing. 3) Inlet housing is permitted a maximum inlet diameter of 3.545" where the leading edge of the compressor wheel meets the housing. 4) All air entering the turbocharger must pass through the turbocharger inlet. Injection of any liquid, gas, or any other substance into the inlet or exhaust housing is strictly prohibited. Turbocharger compressor wheel must be constructed of cast or billet aluminum. Exotic material wheels prohibited. The tips of the impeller wheel may not be stepped, cut down, or notched to meet impeller tip-to-tip dimension. Reducers prohibited.

**CARBURETOR/INDUCTION:** Any style carburetor permitted including split Dominators-maximum 2-carbs. Any EFI system permitted. Any intake manifold allowed, including sheet metal/fabricated manifolds (\*see weights).

**POWER ADDERS:** Only one style of power adder permitted.

**NITROUS OXIDE:** Any nitrous system permitted including push systems. No

maximum number of stages. The use of agents other than nitrous oxide as part of, or mixed in, the system are prohibited. Nitrous oxide may not be used in conjunction with any other power adder. Nitrous oxide systems must use gasoline only for the fuel enrichment circuit. Progressive controllers permitted. Push systems permitted.

**FUEL:** Gasoline is the only fuel permitted.

**TRANSMISSION:** Limited to only OEM style automatic transmissions (aftermarket SFI cases permitted). Any torque converter allowed. Lock-up type permitted.

**SUSPENSION:** Stock frame rails required in front sub frame. Stock rear sub frames are required, but outer frame rail portion only may be notched for tire clearance only. When notching, stock inboard section of rear frame rails must remain stock, unaltered, and in stock location. Rear frame rails must remain in OEM stock condition in all areas. Aftermarket K-members permitted. Fully tubbed or mini tubbed wheel wells permitted. Ladder bars and non-OEM 4-links permitted. Coilovers permitted. Front-wheel drive conversions prohibited. Wheelie bars are permitted.

**BODY:** Forward facing hood scoops prohibited except for OEM type for non-nitrous applications. Forward facing hood scoops permitted for nitrous applications. Cowl induction hoods permitted. OEM composite body panels permitted. Light-weight or fiberglass body pieces limited to hood, rear deck and bumpers. Overhangs must be OEM. Wheelbase must be OEM +/- 1". Doors must be OEM. Rear spoilers permitted, max length 26", may not be molded into the body.

**INTERIOR:** Must be stock appearing. Floors must be upholstered, headliners required. Passenger seat and rear seat may be removed. OEM appearing dash required.

**WINDSHIELD/WINDOWS:** OEM safety glass or Lexan Permitted. Window tint is prohibited forward of the "B" pillar.

**STREET EQUIPMENT:** Headlights, taillights and brake lights required. Headlights, marker lights, brake lights, etc. must be on car and not removed for any reason.

**ELECTRICAL:** Electronic driving aids prohibited. Throttle stops, delay boxes and auto shifters prohibited. Two-step, trans-brakes and line-locks are permitted. Any aftermarket ignition permitted.

**TIRES-WHEELS:** FRONT: Front tires must have a minimum tread width of 4.5 inches. REAR: DOT Drag Radial Tires ONLY. The maximum allowed tire size is 315 as marked on the sidewall. ANY size wheel permitted. Bead-locks permitted.

**BALLAST:** Must be NHRA/IHRA approved mounting - Maximum 100# per individual weight bar. No loose or unsecured ballast allowed and will be grounds for disqualification. Vehicles are required to cross scales after each qualifying run and eliminations rounds.

**EVENT DECALS:** Holley LS Fest event decals will be run on all racing entries.

\* Event organizers retain the right to modify these rules at any time to promote safety and fairness.

## Payouts

Winner

\$3,000 + Jacket + Plaque

Runner-up

\$1,000 + Plaque

Semi-finalist

\$400

Quarter-finalist

\$100 Certificate Good For Any  
Holley Family of Brands  
Product