



## **2010 CAMARO/PONTIAC G8 Heads Up**

The Holley LS Fest 2010 Camaro Challenge class is a heads up class that is designed for 2010 and newer Chevrolet Camaros and 2008 and newer Pontiac G8's. Entries are limited to only one type of power adder. Class will qualify on a sportsman ladder and will run heads-up using a .400 pro tree. All vehicles must pass a NHRA/IHRA safety inspection for ET and speed.

### **WEIGHT BREAKS**

All minimum weights are with driver.

POWER ADDER BASE CUBIC INCHES WEIGHT

Nitrous 380 3800

Nitrous 455 3800

Supercharger 380 3800

Supercharger 455 3800

Turbocharger 380 3800

Turbocharger 455 3800

Maximum cubic inches for all combinations 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 base weights, up to the maximum cubic inch permitted in the class.

### **WEIGHT ADDER/DEDUCTS**

IRS to solid axle entries +75 lbs.

**ENGINE:** Must be a GM LS style block. Aftermarket billet, cast iron or cast aluminum blocks permitted.

**HEADS:** Must be GM LS Based inline valve OEM, billet or aftermarket cast aluminum head.

**INTAKE MANIFOLD:** OEM or aftermarket composite or OEM style cast aluminum aftermarket intakes permitted. Cast aluminum carburetor style intakes permitted. Intake must be generally available and mass produced. Sheet metal intakes permitted add 50 lbs.

**NITROUS OXIDE:** Nitrous Oxide entries are restricted to 1 stage fogger system, 1 stage plate system, or a two stage single nozzle system. Progressive controllers permitted. Push systems permitted.

**SUPERCHARGERS:** Single Cog, serpentine or gear driven superchargers are permitted.

**PERMITTED SUPERCHARGERS:** The following part numbers are the only permitted supercharger systems & exact units permitted:

- ZR1, LSA, 1900 AND TVS 2300 type Eaton 1900 and 2300 based supercharger -  
Magnuson 112 and 2300

- Harrop 112-1900 and 2300
  - Edelbrock 2300
  - Whipple 2300
  - Procharger-F1\*\*, F1A\*\*, F1C\*\*, F1R\*\*, D1, D1X, D1R, P600, D1SC, P1SC, P1SC-2, P1SC-H
  - Vortech-XI\*\*, YSI\*\*, V1, A, B, S-trim, Si-trim, V-3-Si-trim, T-Trim - Paxton Novi 2000, SN, VR4, 1000
- \*\*+150 lbs. to base weight

**TURBOCHARGER:** Maximum size 88.0mm 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. Turbocharger combinations may NOT source air from hole in bumper or from valance of vehicle. Exotic material wheels Prohibited. Reducers prohibited.

**TWIN TURBO:** 66.0MM maximum 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. Up to 66mm permitted.

**INTERCOOLER:** Intercooler may be air to air or air to water. Intercooler may not obstruct driver from exiting vehicle.

**CARBURETOR:** A single 4150 or 4500 style carburetor permitted on all combinations.

**FUEL INJECTION:** Fuel injection must be electronic. A maximum of one throttle body permitted. Any size fuel injector permitted. Maximum of 8 injectors permitted. Commercially available plug in chips and stock type add on systems accepted. Aftermarket EFI systems such as Holley, DFI, FAST, etc., are permitted. Laptops of any type are not permitted in vehicle during competition.

**OILING SYSTEM:** Dry sumps permitted.

**EXHAUST:** Mufflers are required on all combinations. Exhaust may exit underneath car away from driver.

**FUEL:** Gasoline is the only accepted fuel. Methanol is prohibited.

**TRANSMISSION:** OEM-installed manual and automatic transmissions are permitted. Non-factory installed transmissions such as GM 4L60E, 4L80E, TH400, TH350 and Powerglide are permitted but entrants must add 50 lbs. Converter driven planetary transmissions are prohibited. Electric shifters or air shifters are prohibited. Trans Brakes are permitted.

**SUSPENSION:** Stock style suspension cars only. Aftermarket bolt-on replacement front K-members are allowed (if front shocks bolt to K-member then they must be in factory location). Mini tubs are allowed. Stock unaltered 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. Four links and back half cars are prohibited. Aftermarket direct replacement components such as: front control arms, rear control arms, front coil over shocks, and rear coil over shocks are permitted. Aftermarket rack and pinion steering permitted. Bolt-on or welded sub-frame connectors, rear sway bars, are permitted on all cars. Cars originally equipped with rear wheel drive Independent rear suspension will be permitted to convert to solid axle and OEM design torque arm with a 75 pound weight adder.

**WHEELIE BARS:** Prohibited

**BODY:** The car must retain its original appearance, profiles, and dimensions. Factory roof and quarter panels must be used. Aftermarket fiberglass/carbon replacement panels are limited to hood. Aftermarket wings and spoilers are permitted. Complete stock appearing front and rear bumpers are required. A hood must cover the entire induction system. Only OEM style Forward facing hood scoops are permitted.

**INTERIOR:** Must maintain stock appearance; including factory OEM style dashboard, headliner & steering column cover. Floor and tunnel where visible must be upholstered or carpeted. Seats must be upholstered OEM or aftermarket seats in stock location. Rear seat may be removed when roll bar/roll cage are installed; area must be carpeted or upholstered.

**WINDSHIELD/WINDOWS:** OEM safety glass or Lexan permitted.

**STREET EQUIPMENT:** Headlights, taillights and brake lights required. All headlights, brake lights, marker lights, etc must be on car and not removed for any reason. All vehicles must be driven to the staging lanes, but may be towed back after crossing the scales.

**TIRES:** DOT Drag radials or racing slicks are permitted. Maximum of 28" side wall tires permitted. "W" tires are prohibited. Actual measured tread of tire is limited to 10.75 inches. Tire width will be measured by a "go-no go" gauge. Tire width will be measured after conclusion of run at scale area. Tire shaving is prohibited.

**BALLAST:** Must be NHRA/IHRA approved mounting - Maximum 100 lbs. 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. Vehicles must be driven to the lanes. Vehicle cannot be towed until it passes the scales.

**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

\$500 + Plaque

Runner-up

\$125

Semi-finalist

\$75