



## **LSX ALL MOTOR RULES & PURSES**

### **GENERAL OVERVIEW**

This is a NATURALLY ASPIRATED heads-up shoot-out style drag racing class. Developed for naturally aspirated LS small block GM powered and bodied cars and 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 must be driven to staging and to scales, can be towed after scales

Vehicles are required to run GM Performance Parts Sponsor decal and GM Performance

Parts LSX Shootout license plate

### **WEIGHTS**

Base CID Base weight

370 2600

420 2800

440 2850

470 2950

5.0 lbs/cu in penalty applies for cubic inches over base weight break limit. (Maximum cubic inch still applies.) All weights are with driver & rounded down to the five pound increment. Ex: A calculated weight of 3228 would be required to weigh 3225 with driver at scales.

### **WEIGHT ADDER/DEDUCTS**

# OEM style intake manifolds deduct 100 lbs.

\*\*Canted Valve cylinder heads add 100 lbs.

\*Manual transmission – weight penalty of 125 lbs. added to base weights

Ladder bar suspended combinations add 50 lbs.

Non OEM 4-link suspended combinations add 100 pounds

Entries with two throttle bodies or two carburetors (including 2 split dominators) add 50 lbs

### **ENGINE**

Only LS based small block engines are allowed.

Cast aluminum or iron block required

Displacement will be verified by using the P&G method

Maximum of (2) mufflers are mandatory

4-inch maximum exhaust exit size

Gasoline is the only fuel allowed

Cylinder heads limited to LS OEM or LS OEM "Style" aftermarket head.

Billet cylinder heads are prohibited

\*\*Canted valve variations permitted with 100 lbs. weight adder

Cylinder head must be identifiable to verify legality  
Any modifications allowed to legal heads  
Sheet metal intakes permitted  
# OEM style intake manifolds deduct 100 lbs.  
Dry sump oiling systems permitted

#### CARBURETOR/INDUCTION

Any style carburetor permitted including split dominators-maximum 2-carbs add 50 lbs.  
Any EFI system permitted. Maximum of 2 throttle bodies. 2 throttle bodies add 50 lbs.  
Any Intake manifold allowed, including sheet metal/fabricated manifolds (\*see weights)  
OEM style intake manifolds deduct 100 lbs.  
Any modifications permitted, manifold must be identifiable

#### TRANSMISSION

Any OEM style automatic transmission permitted  
Any non-planetary style manual transmission permitted \*Manual transmission – weight penalty of 125 lbs. added to base weights.  
Any torque converter allowed. Lock-up type permitted.  
Torque converters not permitted with manual transmissions  
Clutch-activated automatic transmissions (re: Clutch-flite) are prohibited

#### SUSPENSION

Aftermarket K-members allowed  
Mini tubs and notched frame rails allowed  
Factory rear frame rail required in OEM location  
Wheelie bars are permitted  
Stock type suspensions permitted with stock mounting locations  
Non-OEM 4-links permitted with 100 lbs weight adder  
Ladder bar suspended combinations add 50 lbs.  
Coilovers permitted  
Front-wheel drive conversions prohibited

#### INTERIOR

Must be original appearing.  
Floors must be upholstered, headliners required  
Two seats are required in stock location, rear seat may be removed  
OEM appearing dash required

#### BODY

Forward facing hood scoops prohibited except for OEM type  
Cowl induction hoods permitted, 6" max  
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 material  
Rear spoilers permitted, max. length 26", may not be molded into the body

Tinted windows are not permitted forward of the "B" pillar, per NHRA requirements

#### ELECTRICAL

Electronic driving aids prohibited  
Throttle stops, delay boxes and auto shifters prohibited  
Two-step, trans-brakes and line-locks are permitted  
Functional headlights, taillights and horn required  
Any aftermarket ignition permitted

#### TIRES-WHEELS

TIRES - FRONT: Front tires must have a minimum tread width of 4.5 inches.

TIRES - REAR: Street type or racing slicks permitted

Maximum actual measured tire size is as follows:

Actual measured tread of tire is limited to 10.75 inches by 30.5 inches tall

Maximum roll out to be 90 inches as measured at the tire edge

Actual tire width will be measured by a "go - no go" gauge after conclusion of run at scale area

Tire tread may not extend outside fender lip.

"W" tires prohibited, tire shaving prohibited

#### SPECIAL NOTES:

Absolutely no nitrous or other power-adder equipment will be allowed on the vehicle. Nitrous plates, solenoids, soft or hard lines, nozzles, bottles or disconnected superchargers must be removed.

#### REQUIRED DECALS:

Holley LS Fest Windshield Banner: must be installed on top of windshield. This banner decal must be the only decal on top of windshield.

GM PERFORMANCE PARTS DECAL - GM Performance Parts decal must be installed on lower right side of front windshield.

#### CLASS SPONSOR DECAL:

Class sponsor decals must be installed on both front fenders of vehicle.

#### CONTINGENCY DECALS:

Decals are required to appear only on the rear quarter windows or rear window in a clear and orderly fashion. Contingency decals may not be overlapped or modified.

#### ALL MOTOR PURSES:

- \$1,500 Win + Contingency + Plaque
- \$750 R/U + Plaque
- \$375 Semis
- \$100 Quarters