



## *SUPER LATE MODEL OPEN*

### 2017 Pro All Stars Series SLMO Rules

This will be open to all

\*Granite State pro stocks

\*ACT Type legal car with pass 10" tire as the only modification will weigh 2675

\*Open late model

\*Pro Stocks

\*Pass super late model

### All cars will be on the PASS SLM 10" Hoosier tires

- Only approved tires permitted. Approved tires are those tires purchased from PASS or an approved PASS dealer.
- No hand grooving, buffing, grinding, and/or cutting on any area of the racing tire allowed.
- 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 a fine of not less than \$500.00 and disqualification, and/or disallowance or qualifying efforts, and/or withdrawal of the opportunity to qualify for the Event, and/or suspension from future PASS Events, and /or additional penalties.
- Any team found with any tire softener, conditioner, or any substance used to treat tires, in their possession (including trailers and haulers) during any PASS event will be disqualified from the event. Additional fines and/or penalties may be imposed including, but not limited to, suspension from future PASS events.
- No tire warming or heating permitted. To include heating blankets, heaters, or ANY form of temperature altering methods. No exceptions.
- No Blowers or air directional devices to include duct hoses are permitted to be directed at tires in any manner. All Blowers or ducting must be directed only to brake rotor.

Big motor gear rule OXFORD: 5.29 – 5.88

**10.2.1** The following bodies are approved for competition. See the template instructions guideline included for heights and measurements.

ABC: Monte Carlo, Impala, Grand Prix, Taurus, Fusion, Charger, Intrepid and Camry

AP Bodies Muscle Car: Camaro, Mustang, Charger Muscle car bodies will be allowed a 7" high spoiler.

### **10.4 Wheelbase, Tread Width, Frame Height**

- Minimum wheelbase is 102" on either side. The left side wheelbase must be +/- 1" of right side. Maximum wheelbase is 108".
- Maximum tread width front and rear is 66".
- Absolute minimum height of frame and cross members is 3" from ground before, during, & after each race event with driver. No lifting allowed. The driver is to remain in the car until ride height is done or authorized by tech. Rear spoiler height maximum must be maintained before, during, & after each race event.

### **10.9 Car Weights**

All cars weights listed are race ready with driver, full of fuel, oil and water before race.

Maximum left side weight percentage for ALL cars will be **58%** before, during and after event with

NO allowances in any form.

All weights are based off ABC body and perimeter chassis.

**No cars under any motor, body, ect. weight combination will weigh less than 2675lb**

## 10.10 Engine Requirements

Engine option #1 **2700 lb Gm ZZ4 engine option.**

**ADD 40 lb for cam, lifter, and 1.6 rockers Change**

604 Engine Option #2 **2720 Crate Engine with NO Changes Factory stock**

**P/N 12551483 Stock Valve Spring. or P/N 12625033 blue beehive springs**

**P/N 88960604 8" stock harmonic balancer or 5.7min dia harmonic balancer**

P/N 25534354 Oil pan may be replaced with either of the following part #s: CV1106LTRB or CTR-102. or 8 quart oil pan or Moroso parts #21319, #21315, and CP106KORB pan is permitted with matching p/u assembly and champ CP106KORB permitted and utilized in factory form without modifications.

**Carburetor:** a Holley HP Series 4 brl. 650 Carburetor (p/n 80541-1 or -2) or an approved 600 cfm Holley .

**ADD 50 lb for Cam, Lifter, 1.6 rocker change**

Engine Option #3 **2720 lb Ford S347 JR**

2725 Ford S347 JR Complete in factory untouched sealed form. No exceptions permitted. This is a factory RACE engine package, Must Remain Stock .

**Carburetors:** a Holley HP series 4 brl. 650 carburetor (p/n 80541-1 or -2) or an approved 600 cfm. Holley carburetor.

Engine Option #4 **2750 lb 2 barrel steel head**

a. Engines with cast iron heads must have a maximum static compression ratio of 10.99 to 1, as measured by the PASS Whistler. Compressions ratios exceeding 10.99 may be run with PASS approval and up to a 50 lb. weight penalty.

b. Holley 500 cfm carb, must comply with carb requirements in rule 10.13.

c. Must be a V-8 engine with a maximum displacement of 360 cubic inches. Cars with engine displacement

**Additional weight will be added for higher compression 13.99 max (engine option #2)**

**50 lb penalty for 4 barrel Holley 600 cfm option**

. Engine Option #5 **2765 lb McGunegill Ford 425 LM Spec**

Mc Gunegill FORD 425 LM Spec (crate) engine in COMPLETE sealed untouched form as produced will be permitted for competition. Utilization of this option is restricted to McGunegill specs and is restricted to manufacturer rebuild. No Exceptions.

**Carburetors:** a Holley HP series 4 brl. 650 carburetor (p/n 80541-1 or -2) or an approved 600 cfm. Holley carburetor.

Engine Option #6 **2765 lb Ford D347 SR 2775 for -7 head version**

Ford D347 SR Complete in factory untouched sealed form. No exceptions permitted. This is a factory RACE engine package, Must Remain Stock .

**Carburetors:** a Holley HP series 4 brl. 650 carburetor (p/n 80541-1 or -2) or an approved 600 cfm. Holley carburetor.

Engine Option #7 **2775 lbs.: GM 23 Degree 9 to 1**

**Gm 23 degree 9-1 compression engine with use of either altered or unaltered**

booster Holley #6895 or #80507 390 cfm. carburetor. . Cars utilizing Open booster carburetor option may NOT be used at tracks in excess of ½ mile or larger in length.

Engine Option #8 **2775 lb 9.50 to 1 Engine Rule**

a. Can Not exceed 9.5:1compression

b. Valve angle:

1. GM - 18 degrees minimum

2. Ford - 9 Degrees minimum with 4 degree valve center

3. Mopar - 12 Degrees minimum

g. Holley 390 cfm 4bbl carburetor only.

h. Maximum carburetor spacer/adaptor/gasket thickness allowed is 2 1/8".

i. Only single hole or 4 hole adapters are allowed with NO tapered, beveled, or slant holes.

### **Engine Option #9 2775 lb Spec Engine**

Sealed Spec Engine Complete in specified form by builder with NO modification from approved sealed engine manufacturer. Approved engine manufactures as listed: McGunegill Racing engines, Hamner Racing Engines and Progressive racing engines.

**Carburetors:** Holley HP series 4 barrel 390 cfm carburetor permitted. Maximum 1 inch spacer permitted. Open booster 390 carburetor permitted with the use of the governor restrictor spacer with maximum 1.200 inserts.

### **10.13 Carburetors**

- A Holley 600 cfm model carburetor may be used on cast iron head engines using Engine Option #1.
- Holley 500 cfm model carburetor must be used on cast iron head engines using Engine Option #2.
- Holley 390 cfm model carburetor must be used on aluminum head 9.50 to 1 engines using Engine Option #3.
- stock 4-brl Holley carburetor (p/n 80541-1/2) for Crate Engines or any other PASS legal 650 or 600 carb. Only single hole or 4 hole adapters are allowed with NO tapered, beveled, or slant holes.

### **10.18 Fuel Cell**

- Maximum size is 22 gallons (U.S.).
- Cell must have a minimum ground clearance height of 8 inches from the track. Measured at ride height

### **10.19 Drive Train**

- No carbon fiber or titanium products allowed without PASS approval.

#### **10.19.4 Transmission**

- No "in-out" type transmissions permitted.
- Not to exceed 4 forward gears. Must have at least 2 forward gears and 1 reverse gear in working order.
- All other forward gears (except 4th or high gear) in any position shall be 1.23 or higher

### **10.22.2 Shocks**

- A maximum of 1 shock absorber per wheel is permitted.
- No experimental shocks.
- Type and location of shock absorbers is optional.



- Maximum shock gas pressure is 300 psi.
- No external or secondary bump or measurement devices are to be used outside of the coil parameters. Bumps and Bump springs are allowed on the coil over assembly only.

### **10.25 Illegal Parts**

- Any part found illegal will be confiscated and become the property of the PASS.
- Any competitor found to have an illegal part will not be allowed to compete in any PASS event until that part is surrendered to PASS series officials.

For a more indepth rule version please refer to the PASS SLM rules on our web sight.