

## **2019 FTMS Young Gun Late Model Rules**

**\*All drivers are subject to FTMS approval process before competition**

**Open to the ages of 10 – 16 years old**

**(17 years to 19 years old will be allowed 1 season ONLY if no previous late model experience)**

**MUST Have both parents or guardians consent and must follow ALL under 18 years old FTMS safety equipment rules.**

1. Any late model type chassis allowed / Body type is open. There is a 50" maximum front overhang measured from the axle measured to the forward most part of the car, ABC nose piece recommended. There is a 50" maximum rear overhang measured from the rear axle to the rearward most part of the race car body/bumper/spoiler. The bumper must extend to the rear of the car even with the spoiler or extend beyond the spoiler of the car. Maximum rear quarter panel height is 36 ". Maximum rear width of the body at bumper height is 72". The window opening on the driver's side must be a minimum of 13" at the center of the door to the roof. Minimum wheel base is 101". Ride height rule; all cars must be able to get on and off the inspection scales without the use of any extra ramps or boards and the car must not drag on the scales.

2. Only FTMS 5.7 "Spec" Engine Package for Young Gun Class (5,800 RPM Chip) is allowed with a Stock Component Automatic Transmission ONLY. Headers allowed (98 Decibel Mufflers)

3. The maximum engine set-back rule is 4" back (the center of the forward most spark plug hole to the center of the upper ball joint on the same side)

4. Weight- 2950 lbs total weight with maximum 56% left side weight (after race/ driver in seat).

5. Restrictors- you must run a 4412 500 cfm two barrel carburetor. All cars must run a Keyser ½" governor plate part number 100 12600 with the 1.000 inserts/restrictors in them. The part # for the inserts is 100 126100.

They can be purchased from Keyser Manufacturing (Port City) at 800-472-2464 or from Summit Racing at 800-230-3030.

Note, you are allowed a basic two barrel to four barrel adapter above the ½" Keyser plate.

6. Tires are the Towel City 10.0-15 . Tires MUST be purchased from the track, and tires MAY NOT be cut, soaked or altered in any way.

7. Wheels must be steel and not exceed 10" in width.

8. Any steel shock, all external parts must be steel (Aluminum rod end on the shaft end ok, and an aluminum thread in body cap on the shaft end is ok)

9. No traction control devices.

10. All competing cars will not exceed 80" Inch track width; it will be measured from the bulge outside to outside of the front tires at the spindle height. No independent rear suspension.

11. Rear Spoiler size is to be 60" x 6 1/2" tall and no less than 70 degrees. There may be NO forward support of any kind, no boxed ends or runners. No Gurney lip or any type of wicker bill on the upper edge of the spoiler. It is highly, highly recommended that the Upper 2/3's of the spoiler and the rear window of the care made of CLEAR lexan to enable other drivers to see through them.
12. All cars must run pump gas with 94 Octane Max or less.
13. NO carbon fiber drive shafts allowed.

ALL other 2019 FTMS Safety and Procedures Apply to the Young Gun Late Model Class

### **2019 FTMS "SPEC" GM 5.7 engine (Young Gun Late Model Package)**

(1996-2002 V8 production GM Vortec 5700 L31 engine which came in pick-ups and vans) \*\*Absolutely **NO** machining, balancing or alterations from production specification or changes other than parts below\*\*.

The **ONLY** changes to the "SPEC" engine allowed **by part # listed and approved**

- 1- hydraulic roller camshaft- Stock Camshaft **ONLY** for Young Gun class
- 2- aluminum intake manifold (Edelbrock P/N - 2116) **OR** (GM 602 crate manifold)
- 3- racing oil pan/pick-up/pump (Champ P/N - CP100RB) **OR** (GM 602 crate pan/pump)
- 4- racing harmonic balancer (Powerbond P/N - PB2221-SS) (or equivalent)
- 5- double roller timing chain (JP Performance P/N - JP 5981T) (or equivalent)
- 6- replacement racing valve springs (P/N - 19154761 only)
- 7- Screw -in studs, stock length aftermarket rockers, pushrods, retainers and keeper upgrade optional.  
**No lightweight or Titanium parts**
- 8- engine rebuild kit (Federal Mogal P/N - MK6504-000)
- 9- rocker cover upgrade allowed
- 10- electric fuel pump with oil pressure shut off **MANDATORY**

ALL engines will have to be **PRE-APPROVED** (cost of \$150 for travel/time) by a FTMS Tech Official "**before**" any re-assembly, **NO MATTER WHAT STAGE OR PARTS REMOVED**. All parts, components and measurements will be documented before you can re-assemble or use for competition any FTMS Young Gun Late Model.

**\*\*Any tampering or changing of ANY parts or components after FTMS Tech Official's inspection and approval will result in PERMANANT SUSPENSION from Full Throttle Motor Speedway.**

Call the Speedway for an official inspector and inspection date

1-519-369-6969