

## PRO TRUCK RULES



Speedway reserves the right to update, modify, and/or delete rules at any time deemed necessary to ensure safety, fair competition or any other reason that may be appropriate.

If the rules do not say you can do it, then don't do it! Be sure to check the General Rules. All interpretations of rules by a Speedway Management or Speedway Technical Official are final. UNAWARENESS OR IGNORANCE IS NO EXCUSE!

\*Speedway Officials shall be empowered to permit minor deviations from any of the specifications herein or impose any further restrictions that in his/her opinion does not alter the minimum acceptable requirements. No expressed or implied warranty of safety shall result from such alteration of specifications.

\*The word STOCK used within this set of rules means as originally produced by the manufacturer for that make/model/year of car with no altering or modifications. Stock replacement parts are ok but must be the same dimensions, weight, and/or volume as OEM parts. Determination of whether an aftermarket part is legal will be the tech inspector's decision.

NO CARBON FIBER, TUNGSTEN OR TITANIUM PERMITTED ANYWHERE ON CAR. NO BUMP STOPS, COIL BINDING, BUMP SPRINGS OR CHASSIS LIMITERS (up or down)  
NO TRACTION CONTROL DEVICE(S) OF ANY KIND.

### 1.WEIGHT

- 602 with Factory or Series Seals 2850 lb. with 57% left side.
- 603, M6007S347JR and any unsealed Crate motors 2950 lb. with 57% left side.
- Fake/ aftermarket seals 3000lb. \*\*\*These weights can be adjusted at the tracks discretion to equalize the competition, with verbal and written notice\*\*\*

### 2. ENGINES

- **Vacuum Rules** (Each truck must have a vacuum port and fitting to check)
  - 603 Crate – 18 Minimum @ 950 rpm
  - 602 Crate – 18 Minimum @ 950 rpm
  - 347 Jr Ford – 19 Minimum @ 950 rpm
- **Crate Engines:**
  - GM 602 Holley 650 HP 4150-80541 allowed but totally by the GM manual with a Maximum 9.6:1 compression.
  - GM 603 with Holley 500 CFM old style 4412 only but must follow Gm Manual unless listed below.
  - 602 may run PAC PN# 1210X valve springs. May shim to get to spring rule.
- **603 OPTIONS ONLY:**
  - Optional valve springs stock diameter, no double springs max 130 lbs. Comp # 941 is allowed.
  - Self-aligning Stamp Rollers or 1.5 Roller rockers only.
  - Maximum 10.3:1 COMPRESSION RATIO.
  - MAX overbore .030 + .010.
- **FORD 347JR:**
  - This engine must follow the Ford Racing Technical Manual only. Maximum of 10.2:1 compression ratio. FORD 351W
  - May use m6513-bh bearings.
  - Intake to be used must be intake that came with a motor only.
  - 52cc minimum on heads
  - Must maintain 10.2:1 compression ratio
  - Due to several cam combos these are the numbers that are legal. M6250-e303, m6250-x303 and m6250-z3003.

- Minimum deck height .014
- Refer to Ford Performance Manual for any other details. 8. Max overbore .030 + .010 for wear.

Note: All engines must have an inspection plug w/plug (minimum 1") on the left front of the oil pan.

### **3. CARBURETOR I AIR CLEANER**

- Carburetor- Unaltered Holley old style 4412, 500 CFM gauge legal with a maximum 1.065 spacer/adaptor between intake and carburetor and choke horn may be removed.
- 602 Crate can run a Holley 650 HP 4150-80541 gauge legal four barrel. No alterations or modifications, with a maximum 1.065 spacer/seal between intake and carburetor.
- A round un-altered air cleaner element with a maximum diameter of fourteen (14) inches with a maximum height of four (4) inches is required. All air must be filtered thru this filter or through the use of a Cold air box on the top of the carburetor that encases the air filter. No ram air will be allowed.
- Hoods remain stock with the following opening of 2.5" x 20" cut in the rear of the hood and centered behind the air filter and a 1.5" x 1.5" X 20" heat deflector may be installed on the fire wall at this opening.

### **4. FUEL SYSTEM**

Sunoco IIO or equivalent, no fuel additives, ethanol or E85 will be permitted. Track Officials reserve the right to test the fuel at any time. Fuel pump- stock mounted mechanical pump only.

- The fuel cell must be a magnetic steel container made from no less than 22-gauge magnetic steel.
- The use of ice, wet or dry, for the purpose of cooling the engine, air cleaner, or fuel system is not allowed.
- Maximum fuel cell capacity is 22 gallons and must maintain a minimum ground clearance of 8-inches. 5.OBERG Fuel Valve # SV-0828 or SRI # FFF-FSV Mandatory near cell and after filter.

### **5. COOLING SYSTEM**

Stock type water pump, no electric with Recommended to have overflow hose mounted to the right corner of windshield.

- Water wetter ok, no antifreeze may be used.

### **6. EXHAUST**

- Steel headers optional with a maximum diameter of 3" collectors and 3" exhaust pipes the rest of the way out.
- All exhaust systems must exit past the driver's compartment. The minimum exhaust system ground clearance is 3 inches.

### **7. ENGINE LOCATION**

- Must be centered between frame rails, 1" tolerance.
- Crankshaft height is 12" from the center of the crank to the ground. Engine placement is measured from the spark plug (closest to the radiator) centerline to an imaginary line projected between the left and right upper a-arm ball joint as follows;
  - All Chevrolets: 4 inches on the driver's side forward of the ball joints.
  - Fords 1.75 inches on the passenger side forward of the ball joint.

### **8. IGNITION**

- Mandatory Crane Cams, FAST Ignition part # 6000-6701 or JMS – Daytona Sensors' part # 6000-6701K or MSD part#6427 only as produced. Mounted on right side of truck dials pointed out the passenger side on the original plate. The nag positive & negative shall be a maximum length of 62 inches. Must remain uncut or spliced and on top of the dash in clear view.
- Only one box will be permitted and must be mounted on the right side.
- All wires must be exposed and in plain view and easily traced by tech officials.
- Maximum RPM's will be Crates 6300 and Built 7000.
- Single Battery 12-volt system only and battery disconnect switch is mandatory and accessible to the safety crew and driver.

### **9. TRANSMISSION**

- No Automatic Transmissions Allowed
- Standard steel or aluminum 3-speed or 4-speed OEM or OEM style synchronized manual transmissions must have helical gears only. No straight- cut gears, magnesium or gun-drilled main shafts permitted. Two lever shifter

or H-pattern shifter only. No Rankin type or cluster-disconnect transmissions or 2-speed transmission will be permitted.

- No internal clutch-r/pe transmissions allowed and must have external clutch, pressure plate, and flywheel assembly.
- Transmission must have all forward gears and one (1) working reverse gear.
- No overdrive or under driven transmissions permitted. High gear must be 1 to 1 and no other gear may have a ratio higher than 1.20 to 1.

#### **10. CLUTCH | FLYWHEEL | DRIVE SHAFT**

- Standard OEM or OEM-type and size clutch, steel pressure plate, steel flywheel, and throw-out bearing permitted.
- No Light Weight Parts: 10,000 RPM etc. Stock Clutch minimum 10" Solid hub clutch only and must have pad or full Circle.
- Clutches must be positive engagement design. Slider or slipper clutch designs are not permitted. No carbon fiber clutches.
- Flywheel must weigh a minimum of 14 pounds.
- Standard transmission must use shatter proof bell housing with 2" hole in bell housing for inspection.
- Only Steel driveshaft and must be painted white with truck number on it with 2 drive-shaft safety loops mandatory.

#### **11. TRUCK**

- Only GM Metric frame 1978-1987 may be used with a 6" minimum ride height on chassis. Frame can be X" d.
- OEM GM metric frame only may be used 1978-1987 Chevrolet Malibu, Monte Carlo or unaltered replacement Johnson Chassis #JCI-09-IB ("XYZ" or Johnson clip and/or chassis must be raced as manufactured by Johnson Chassis, any modifications will be deemed illegal per their Watchdog Inspection Tools). If running a Johnson Chassis, you must carry 50 lbs extra (25 lbs in front of flywheel and 25 lbs mounted anywhere else) . You must run a piece of metal under the crossmember. Frames must retain the original 108-inch wheelbase. Maximum allowable difference from side to side is 1 inch.
- Maximum Tread Width 63" front and rear (62" using Referee).
- Chassis must remain stock unless otherwise specifically noted in rules.
- Frame may be fabricated from 6" forward of the centerline of the rear axle and from the front sway bar forward.
- Cross members must remain stock and in stock location, it may be notched for oil pan clearance only and must be boxed with 1/8-inch steel. If yours had been cut you must add square tube metal to make it the same height, width and depth as a stock one.
- All pick up points must remain stock in stock locations. Front Lower arms and rear trailing arms. No modifications to arms, holes, no drilling and lightening allowed.

#### **12. FRONT SUSPENSION / STEERING**

- Front suspension components must remain stock in stock location, unless otherwise noted in another rule.
- All pick up points must remain stock in stock locations. Front lower control arms may not have any modifications (holes, lightening).
- Heavy-duty/ steel or aluminum aftermarket hubs & rotors are required on the right front wheel.
- Springs must mount in stock locations. Top of the frame may be changed to add wedge bolts or to allow for spring removal.
- Shocks must be mounted directly to the lower A-arm.
- Pitman arm and steering arm may be changed but remain stock length for make and model. Aftermarket center link is permitted.
- Stock inner tie rod with steel heim-type tie rod ends on the outers will be permitted.
- Upper and Lower ball joints may be any bolt on or screw in type ball joints. No relocating of lower ball joints allowed.
- A maximum of one 360-degree spring rubber allowed on front or rear springs. Coil-spring rubber inserts are permitted, no leaf springs or torsion bars permitted.
- Steel, poly or mono-ball bushings ok, no offset or eccentric bushings. 11.Sway bar must be 1-piece stock 1 3/8" maximum diameter.
- Stock OEM steering box, may change ratio (updated 5-21-19) in stock location.

- Spindles or Part #91034501 3-Piece IMCA 1979-Up GM Metric Midsize Spindle, bearings and hubs. Stock HD aftermarket hubs and rotors are allowed. Spindle savers are recommended. Steering arms must be the same length on right and left.

### **13. REAR SUSPENSION / REAR END**

- Rear differential housing must be stock steel 7.5" — 10 bolt GM or 9" Ford housing. All rear-end parts must be steel and a 1" inspection hole in the cover is recommended.
- OEM stock rear trailing arms only and must mount in original holes in the frame. No cambered rear ends permitted. Distance between the centers of the bolts on the upper arms should be no less than 10 V4 ". The upper trailing arms may be redrilled on the rear-end side only to adjust pinion angle and the washer welded back. Must use stock OEM factory control arms, bushings at both the front and rear of the trailing arms must be original rubber or polyurethane.
- Rear spring perch must remain on the top of the axle tube. Rear springs must mount on top of the axle tube and must be standard 5" diameter rear springs. Shocks mount in stock location and must be the same distance in from rotors on each side.
- Ring gear and pinion must be stock and mounted directly in housing.
- Only stock ring and pinion, off the shelf available gears allowed. No custom ground or lightened gears allowed. GM 273- 456 gears, Ford 9inch may use 300 and above gears, non-lightened, non-back cut, non-polished gears. Welded spider gears, mini spool or any spool must weigh 6.1 pounds or more with stock steel/cast carriers will only be allowed.
- Only solid steel axles will be allowed.
- No rear Pan-hard or sway bars.

### **14. SHOCKS**

- Only 1 steel body non-adjustable shock per wheel permitted. Adjustable shafts, base valves and canisters are not permitted.
- Shocks may have Schrader Valves and internal parts must remain as purchased with a Maximum cost of \$250.00 per shock.
- Internal rebuild parts must remain as purchased in that shock not to exceed the retail value. Shocks can be claimed for \$200.00 each by track or competitor. Refusal will be a DQ, loss of money, points and a \$200.00 fine.
- No bump stops, coil binding, bump springs or chassis limiters (up or down).

### **15. BODY**

- (See Diagram) Approved Truck body Manufacturers are: AR Bodies, Lightning Light and Five-Star. May make own aluminum body pieces, NO carbon fiber and must be approved by Track, and fit templates.
- Only approved bodies are: 1997 —2009 Chevy C-10/C1500 Silverado, 1997 —2009 Ford F150, 1997 —2009 Dodge Ram, 2004-2009 Toyota.
- Body must be centered on the frame with wheels in the center of wheel wells with 2" tolerance. All body parts must be attached firmly to the cage or frame and are subject to approval. Body ground clearance is a minimum of 4 inches measured anywhere.
- All body support brackets must be solid and located inside the body structure.
- Nose Width is 81" maximum. Front air dams must maintain their original configuration with a maximum of (4) four splitter supports.
- Maximum rake for the roof is 1". Front windshield braces are mandatory. Windshield angle must be 35 degrees + or – 1 degree.
- Minimum side window opening must be at least 16" and may have 1/8" Lexan vents only, 9" high, 12" length max
- Front and Rear windows must be full 1/8" Lexan.
- Hoods remain stock with the following opening of 2.5" x 20" cut in the rear of the hood and centered behind the air filter and a 1.5" x 1.5" X 20" heat deflector may be installed on the fire wall at this opening.
- Fiberglass, sheet metal or aluminum rear deck lids flush with quarter panels are mandatory and must be able to open for technical inspections.
- No Lexan or metal air deflectors on rear deck or attached to rear down bars.

- 6" x 60" clear solid rear spoiler is mandatory with a 55 Degree Minimum angle with approved braces on the back side.
- Unmodified Stock rear bumper cover is mandatory and must be complete.
- Rear deck height maximum is 40 inches.
- No tape allowed on the truck unless approved for damage.

## **16 INTERIOR**

- Vehicle interior must be complete and shield the driver from the ground, engine compartment and fuel cell area.
- Driver's floor must be steel; the rest of the compartment can be from steel or aluminum but must be fully enclosed and extend from left to right side of the truck.
- Truck must have a rear firewall to separate the driver from the fuel tank. Firewall may be welded, riveted or bolted.
- May have installed digital dash panels.

## **17. BRAKES**

- Four-wheel disc brakes must be in full working condition with any OEM appearing single piston caliper only.
- Only cast iron or steel rotors are allowed.

## **18. TIRES AND WHEELS**

- American Racer 955 (Only)
- No soaking or altering of tire in any manner allowed. Drivers soaking or altering tires will forfeit all purse and points for the event and all track points for the year. Drivers must also pay a \$1,000 fine prior to being allowed to compete at Speedway.
- Any illegal tire, in the judgment of Speedway Officials, will be confiscated.
- 8" steel racing wheels with any offset and no wheel weights or bleeders allowed.
- Any safety hub with 5/8" wheel studs only.

## **19. DRIVER SAFETY RULES**

- You must have a properly rated 2010 or newer Snell approved helmet.
- A r/pe of head and neck restraint is mandatory.
- Complete SFI or FIA RATED fire-suit, gloves, and shoes are mandatory in good condition.
- Driver's window net SFI or FIA RATED must have quick release, with latch at top left and be no older than 5 years old.
- Commercially made aluminum racing seats with rubber pads are mandatory.
- Safety SFI or FIA RATED Harness 5-point minimum must be no older than 5 years old.
- Proper resilient padding for roll bar use must be installed on the roll cage around the driver. Steering Wheel must be padded.
- Fully Charged fire extinguisher mandatory and On-Board fire system is highly recommended.

## **20. TRUCK SAFETY RULES**

- Roll cages must be built of 1/4".095 thickness tubing minimum.
- Cages must be attached properly in at least 8 spots on the chassis.
- Minimum of 4 door bars on the left side, plated with 1/8-inch steel.
- All roll bars around the driver must be padded.
- Additional weight may be added in block form of no less than 5-pound blocks (no pellets). Dislodged weight cannot be returned to the car for weighing after the race. All added weight must be painted white with truck number painted in red or black and securely mounted. Any lost weight will result in a \$10 per pound fine to the driver. No lead weights will be allowed inside the driver compartment.

## **21. PROTESTS**

- You must be in top 10 and on lead lap to protest and be filed within 10 minutes of the checker flag and must be specific.
- Must be made in writing specifying the rule(s) considered to have been violated.

- All protest fees must be paid in cash. P&G, Carburetor inspection \$75, Whistler check \$150 Track retains \$50; Top end tear down \$800, Track retains \$150. Scope check of the crank area \$150 Track retains \$50. Complete Motor Tear down \$1,000, Track retains \$300.
- Only the protested truck's owner or driver plus two crew members, the protesting driver or owner who competed in the race, 1 crew member and Track officials in the tech area for the protest tech. Procedure or the specific rule they are protesting.
- Visual protests are to be honored any time before the race and does not have to be in written form but need to be brought to tech or Track officials. The infraction must be either corrected or tech may use a weight penalty for that race if not able to fix that day. Amount of weight is at the Tech Official's discretion.
- Excessive or spite protesting will not be tolerated and can result in disqualification, loss of points and possible disqualification.
- Do not remove or alter any casting or Truck part numbers.
- Tech reserves the right to check any truck in the field at any time, in any finishing order if he chooses to. They must conform to rules, or face disqualification. Protest or tech tear down refusal: (includes engine, drive train etc.)
- Any truck owner/driver refusing any protest or tear down for any reason will lose all money, points, awards, trophies earned for that race date.
- The next race that truck will be inspected after the race regardless of where it finishes.

## **22. PENALTIES**

- In the event of disqualification, the driver will not receive any money or points for that race and must start last at the next race. Please be sure you have read and understand all these rules, if you do not please be sure to ask a Track Official for clarification. Not understanding the rules is not an excuse to break them. The word stock, used within the rules, means as originally produced by the manufacturer for that make/model/ and/or year of the truck. It is stock with no altering or modifications. Aftermarket parts must be the same dimensions, weight, and/or volume as the OEM part.  
Determination of whether anything is legal will be the tech and Track Officials decision. No Carbon Fiber or Titanium permitted anywhere in the truck. No Traction control devices of any kind allowed.  
If it does not say you can do it, you probably can't.  
Talk to the Tech Inspector if you have any questions. Do not assume anything. These weights can be adjusted at the Tech Inspector and Series Management's discretion to equalize the competition, with notice.

### **RULE BOOK DISCLAIMER:**

The rules and/or regulations set forth herein are designed to provide for the orderly conduct of racing events and to establish minimum acceptable requirements for such events. These rules shall govern the condition of all events, and by participating in these events, all participants are deemed to have complied with these rules. No express or implied warranty of safety shall result from the publication of or compliance with these rules and/or regulations. They are intended entirely as a guide for the conduct of the sport and in no way guarantee against injury or death to any participant, spectator or official. The Tech Inspector shall be empowered to permit reasonable and appropriate deviation from any of the specifications herein or impose any further restrictions that in their opinion do not alter the minimum acceptable requirements. No expressed or implied warranty of safety shall result from such alterations or deviations. Any Interpretation or deviation of these rules is left to the discretion of the officials and is final and binding. On occasion when situations arise that are not covered by written rules herein, special rulings may be put into effect by the track officials. Once such rulings are acted upon, they may become an act of policy and will be added to the existing rules of procedures.