

## 2010 SSP Street Stock Specification Rules

\*Please note these rules are subject to change.

***Changes or Additions for 2010 are in red, italics and bold.***

Any car may be checked for engine, chassis, oil, fuel, tires, wheels, rear ends or sound legality at any time by an SSP Technical Inspector or Official. ***Upon entering a car for SSP competition, the driver (and possibly the owner) is responsible for the legality of their car and will suffer all penalties resulting with the car violating these rules.*** Refusal to submit a car, engine or parts for inspection or measurement upon the request of an SSP Technical Inspector will result in an immediate disqualification and possible suspension by SSP management.

No equipment or racecar will be considered as having been approved by reason of having passed through inspection "***unobserved.***" Regardless of a car passing prior inspections, compliance with all rules must be made at each post-race inspection. ***No expressed or implied warranty of safety shall result from the technical inspection or approval.*** Any rules or guidelines not covered will be governed at the discretion of the SSP management and the Technical Inspector.

**Enforcement of Specification Rules:** All SSP-approved weighing, measuring and testing devices used by the SSP Technical Inspector are the standards that will determine compliance with the rules and regulations. A competitor's equipment, gauge or instrument will have no bearing on the enforcement of these rules.

**Impounding** - SSP officials reserve the right to impound any racecar or remove any component on a racecar (including the engine) at any time.

**Confiscation of Illegal or Unauthorized Components** - The use of illegal or unauthorized components on racecar will result in the confiscation of the said components. These components will then become the property of SSP and will not be returned. ***Failure to surrender the illegal parts will lead to a minimum two (2) week suspension (mandatory) for the car owner, car and driver.*** This will turn into an indefinite suspension until the said illegal component is turned over to SSP management.

**New Enforcement Procedures, Equipment or Methods:** Due to the rapidly changing technology of motorsports, SSP officials will continue to develop new procedures, equipment and methods to enforce the rules and guidelines contained within this rulebook or succeeding rules bulletins. These procedures, equipment and methods will be based on common sense, consistency, impartiality and fair play. ***These procedures, equipment and methods may be introduced at anytime without prior notice to the participants.***

**Driver Requirements:** All drivers must be at least fifteen-(15) years of age to compete in this division. Drivers under eighteen (18) years of age must have a signed and notarized Parental Consent form by both parents or legal guardians and said documents must be in the hands of the SSP management before participation of said individual will be permitted.

The Susquehanna Speedway Park is private property. Any person on this property without the permission of the management of the Susquehanna Speedway Park is guilty of trespass and subject to the penalties prescribed by law. Through the purchase of a pit pass or admission ticket, a person is given the authority and the right to be on this property in conjunction with the related racing activities. However, management reserves the right to revoke or cancel this authority at any time that it feels that person's presence or conduct is not in the best interest of the sport of auto racing, fellow competitors, the fans, management and the employees of the speedway.

### **FRAMES, BODY, SUSPENSION, etc. for STREET STOCKS:**

**1. GENERAL APPEARANCE OF THE CAR:** All competitors must present a neat and clean appearing car for any SSP event. Crash damaged cars must be repaired to the minimum technical standards before returning to competition. A Technical Inspector or SSP official may deny a car from competing if it does not meet the minimum acceptable standards as mentioned above. SSP management reserves the right to deny access in competition because of a sponsorship, advertisement, paint scheme and/or lettering on a car not in "good taste," or in the spirit of keeping this a "family entertainment" sport.

**2. COMPETING MODELS & WHEELBASE:** Any North American made production model with a minimum wheelbase of 108.0" as originally produced. Cars with a wheelbase of more than 108.0" may be shortened to 108.0".

Ford chassis cars (T-Birds and Cougars) from 1983 thru 1988 with a 104.0" wheelbase may be stretched to meet the 108.0" wheelbase rule by adding a section to the floor pan. The body must be made to fit the chassis in a similar manner.

Convertibles, pickups, sports cars, jeeps, station wagons, four-wheel drives are not permitted. Turbo or rotary powered cars are not permitted. Both rear wheel and front wheel drive cars are eligible.

**3. WEIGHT:** No car shall weigh less than 2,800.0 pounds with the driver after any event. Weight of the car is defined as driver in the seat, hands on steering wheel, helmet on their head and feet on the pedals after the event. Competitors are not permitted to fill the fuel cell with fuel after the event in order to meet the minimum weight requirements. Cars missing body components will be taken into account in terms of weight after an event. If the weight loss is excessive, the driver will be asked to supply the missing parts, otherwise no tolerance on the weight will apply.

**Weight Shifting Devices:** No devices (either mechanical, hydraulic, electric) for shifting weight is permitted.

**4. BALLAST:** All added ballast must be in minimum 5.0 lb. units and painted white with the car number marked on each piece. The weight must be visible to the technical inspector upon inspection (i.e. nothing permitted in the frame rails).

**Mounting Ballast:** The blocks must be securely mounted to the frame using a minimum of two-(2) 0.5" or larger bolts. Ballast may not be placed anywhere within the driver's compartment, on the firewall, in the fuel cell, etc. The mounting of the ballast is subject to the final approval of the technical inspector. No ballast is permitted above the deck level.

**5. FRAME: The following measurements are minimums.** Only those areas indicated will be subject to technical inspections. The top of the roll cage must be constructed high enough to cover the driver's helmeted head. No aluminum and/or soft metals are permitted.

a) Frame must be the same make, model and year as body used except as noted in rule 6. No aftermarket frame kits permitted. No down tube frames permitted.

b) All frames may be reinforced with round steel tubing to the front fire wall and to the rear fire wall but all frame components must remain in stock position.

c) No part of chassis may be moved or relocated from its original position. The rear sub-frame must remain OEM stock, in stock position with stock dimensions. Rusted areas may be reinforced with a steel channel iron or tubing.

d) **Roll Cage Construction:** Must be a minimum of a four-post roll cage (6-point is recommended). Front and rear hoop are recommended and must be welded to the OEM stock frame, not the floor or body. The bars must be welded to the top of the frame and extend at least four inches above the driver's head. Two bars must run from the top of the cage to the rear frame section. The roll cage and door bars must be constructed of round steel of minimum 1.5" diameter tubing (minimum 0.095" wall thickness). No aluminum and/or soft metals are permitted. Driver's side door bars must have a minimum of four protective side bars, three bars on the opposite side of the cage. Must have roll bar from the floor to roof and left to right, welded to frame, or from the top have two braces to the rear, mounted ahead of the rear wheels.

e) All butt welds, joints and connections may have gusset plates for reinforcement.

f) A fuel cell protection bar is **mandatory**.

g) Any bracing that does not conform to these construction rules is subject to final approval by the Technical Inspector.

h) **Firewall:** The OEM stock metal front firewall is mandatory between the driver's compartment and the engine. A metal rear firewall is mandatory between the driver's compartment and rear end/fuel cell compartment. Holes in the front and rear firewalls must be completely covered with sheet metal. The trunk must be sealed completely from the driver's compartment.

i) **Floor:** Must have a full factory floor to back of driver's seat. In case of rust, the floor may be patched, but it may not be removed. A full factory floor must remain intact on all uni-body cars from front to back to prove originality of frame rail location.

j) **Unibody Cars:** Must use a frame of 8.0" in circumference (2.0" x 2.0" box tubing) to tie front and rear frame rails together. Roll cage must be attached to the box tubing frame. Minimum tubing size is 1.5" o.d.

k) **Radiator Support Bar:** A bar may be used to protect the radiator using a 3-piece design using a maximum 1.25" tubing constructed no wider than the frame rails and no higher than 10.0" off the top of the frame rails. A maximum of two bars may be attached to the top of the bumper from the protective hoop. Vertical bars may be installed between the two horizontal bars for the sole purpose of protecting the radiator. Rear bracing of hoop is optional. A wrecker hook up point must be included.

l) **Engine Location & Mounts:** The engine must remain within the stock location and configurations as currently delivered by OEM. All mounts must remain as OEM stock types with the exception of an aftermarket racing type motor mount. Chains are permitted from the engine to the frame in case of engine mount failure.

m) **Metal Fatigue:** It is highly recommended to have the frame checked periodically by an expert for metal fatigue. Cracked or broken frames are strictly prohibited from any SSP events.

n) **Repairing Frames:** *The Technical Inspector reserves the right to disallow a repaired car from a competition that does not appear to be properly repaired.* Once a frame is repaired from its original form, SSP management and the Technical Inspector assume no liability for any injuries that may occur as a result of this repair regardless of the approval given to compete with that repaired frame.

**6. BODY:** The body and frame must remain factory OEM stock with stock firewalls, floorboards and body panels (unless otherwise noted). The body, firewall mounts and body mounts must be OEM stock in stock location on frame.

- a) All cars must have complete bodies in the proper configuration for the make, model and year, including fenders, bumpers, roof, nosepiece, hoods and trunks. Front inner wells may be removed. The rubber grommets may be removed from the body mounts.
- b) All OEM factory trunk and hood latches must be removed and replaced with straps, pins, or clips. The floor of trunk must be removed. Track personnel must have easy access to open the hood and trunk quickly.
- c) Chopping, channeling or modifying is not permitted including the roof post.
- d) **Exterior:** All headlights, taillights, glass and emblems must be removed. Side skirts permitted on doors only and must not be any lower than frame rail. Doors must be welded or bolted shut. Rocker panels can be fabricated but must be steel and remain stock appearing. All sheet metal used must be 22 gauge or thicker.
- e) **Interior:** All flammable (plastic or fabric) material must be removed. Dash assembly is optional. The rear firewall area must be covered with sheet metal when removing the rear seat. Sheet metal work is not permitted in the driver's area from the dash to the rear of the seat. The interior sheet metal may not be boxed around the driver's seat.
- f) **Inner Supports:** All body parts may have the inner supports removed however, it must be braced to be rigid if the inner support panel is removed. The rear window side panels, dash board and the inner roof panels may be removed completely for roll cage installation only.
- g) **Grills:** The original grill may be removed but expanded metal or screen may be installed.
- h) **Bumpers:** Both front and rear must remain stock OEM. Stock bumper brackets may be welded. No sharp edges are permitted on the body or bumpers. Chains or cable to secure the bumpers are also highly recommended. Non-visible reinforcing pipe can be used behind bumper, but it must be securely fastened to the frame.
- i) **Nosepiece:** Aftermarket plastic nose and tail covers may be used but must match car (GM on GM, Ford on Ford etc). It is highly recommended that OEM stock bumpers should be mounted behind the covers. If the nose or tail cover is removed during the race and there is no OEM Stock bumper behind the cover, the car will not be permitted to continue in the race.
- j) **Rub Rails:** Permitted between the wheelbase only. A maximum 1.75" max round tube or 3.00" x 0.25" max flat steel welded to body. It may be no lower than the center of the hubs and no higher than the top of the tire. Must be tight against the body with no sharp ends. Must be a single rail design and be attached flush with the body contours. At a distance of 18.0" from the rear wheel well, the rub rail may extend out from body to the outer edge of rear tire. Subject to the Technical Inspector inspection and approval.
- k) **Mounting of Components:** All body components must be firmly attached to every car competing in any race. Any car may be black flagged or denied entry to start qualification or a race if any of the aforementioned items are not attached unless the Technical Inspector gives prior approval.
- l) **Repairing of Components:** Body components may be repaired and must be approved by the Technical Inspector prior to returning to the speedway for competition. ***The Technical Inspector reserves the right to disallow a repaired car from competition that does not appear to be properly repaired.*** Once a body is repaired from its original form, SSP management and the Technical Inspector assume no liability for any injuries that may occur as a result of this repair regardless of the approval given to compete with that repair.
- 7. BODY STYLES:** The following body styles may be adapted to currently approved chassis, must remain in manufacturer's line.
- a) **Ford** - 1988–1997 2-door T-bird or Cougar.
- b) **General Motors** – All 2 door models: Cutlass Supreme 1988-1994; Buick Regal 1991-1994; Grand Prix 1988-2004; Lumina 1990-1994; Monte Carlo 1995-2004; The listed GM sheet metal may be used on existing 1978-1988 GM G-body chassis. Additionally, 1982-1992 Camaro and Firebird cars may be used and adapted to current rules or the sheet metal may be used on an existing chassis.
- c) **Approved aftermarket body panels** permitted as follows: An aftermarket body may only be used on the same chassis as the stock body and must be steel. Currently, the only acceptable bodies are the Five Star Monte Carlo Street Stock body, which may be used on all General Motors G-body chassis from 1978 thru 1988. The Five Star and Performance Camaro front fenders, hood and door panels may be used on 1970 to 1981 Camaro, however, rear quarter panel and trunk lid must remain OEM stock. Cars must have rear body panel. The replacement body must be stock appearing. Only OEM spoilers as originally equipped on that make and model car is permitted. Aftermarket spoilers are not permitted.

**8. WINDSHIELDS/WINDOW OPENINGS:** All cars must have a screen or approved protection in front of the driver in the windshield opening (**minimum of three-(3) vertical bars**). All glass must be removed.

**Window Nets:** Mandatory at all times in the left side window unless approved arm restraints are used by the driver. The seat belt buckle method of mounting is recommended. Window nets must release from the top and be attached to the roll bars only. The side window areas must remain open at all times other than window nets.

**9. SEATS:** Only SSP-approved factory-manufactured metal seats may be used. No homemade seats will be permitted. Lightening the seat by anyone else other than the factory is not permitted. Lumbar supports and **head & shoulder supports** on the seat are highly recommended.

**Mounting of the Seat:** Driver's seat may be no farther back than 56 inches measured from the vertical section of the firewall to the back of the seat cushion area. The seat may be moved within the driver's compartment (remaining within the same general area as the general design) without moving or changing existing bars in the frame. The seat must be mounted directly to the frame. When mounting the seat forward, use a flat piece of steel or aluminum behind the seat (don't just use bolts in encased tubing). The use of wood as supports or mounting brackets is not permitted. The presiding tech inspector shall have final approval of the mounting of the seat. SSP management and the Technical Inspector assume no liability for any injuries that may occur as a result of the mounting of a seat, regardless of the approval given to compete with that seat and its location.

**10. BOLTS AND FASTENERS:** Only equivalent stock or upgraded steel fasteners and bolts may be used on the car. Fasteners may be drilled for safety wire but intentional weight saving modifications is not permitted. Aluminum, titanium or other exotic metal bolts are illegal.

**11. HEIM JOINTS:** Only steel or aluminum heim joints are permitted.

**12. SPINDLES:** Stock OEM spindles only. Aftermarket spindles are not permitted.

**13. STEERING COMPONENTS:** The entire steering system must remain stock OEM "type", within the stock dimensions, steel thickness, location and configurations as currently delivered OEM for that make and model of car with the exception of the front upper control arm that may be a tubular aftermarket non adjustable arm mounted on stock mounts. Removable steering wheels and collapsible steering shafts are permitted to take the place of stock "OEM" type. Steering quickeners are permitted.

**14. SUSPENSION:** All suspension must be OEM stock components for that make and model of vehicle except for rules noted below. Stabilizer links may be threaded rod. No straight front axles. All bushings should be rubber or polyurethane or solid.

a) **Springs:** Front or rear springs may be altered or exchanged as long as they are OEM or OEM type for that make of vehicle. Aftermarket racing type springs are permitted.

**15. SHOCKS:** Steel or aluminum body shocks (non-adjustable or adjustable) are permitted. Shock bumpers are permitted. More than one shock per wheel is not permitted. Driver adjustable shocks are not permitted. Weight jacks are permitted (driver adjustable weight jacks are not permitted). If stock spring pockets are rusted or damaged, they may be remanufactured but must closely resemble stock and remain in original stock position. The shock mounts may be relocated with a front and rear location. External canister gas shocks are not permitted.

**16. DRIVELINE/TRANSMISSION:** The entire driveline and transmission system must remain stock OEM, within the stock dimensions, steel thickness, location and configurations as currently delivered OEM for that make and model of car. Automatic or manual transmission is permitted if it was delivered with that make and model of car. Reverse gear must be working. Automatics must use a working stock appearing torque converter.

a) **Driveshaft:** The driveshaft must be one piece in design. The U-joints and driveshaft must be steel or aluminum only. The driveshaft must be painted white or silver. Carbon fiber or any other type of exotic lightweight metal driveshafts, flanges and u-joints are not permitted.

b) **Driveshaft Retainers:** Must have at least one-(1) 360 degree driveshaft hoop (minimum 1/4" thick and 2" wide). The design of the driveshaft retainer will be the sole discretion and responsibility of the driver and the tech inspector may prohibit a car from competing in which he/she feels the driveshaft is not properly retained.

**17. REAR ENDS:** Stock OEM rear ends, axles and gear for that make of car. Rear ends may be locked by welding the spider gears or with a mini spool. Posi-traction as an OEM factory option is permitted. Any gear ratio is permitted. Aftermarket solid steel axles are permitted (gun drilled axles are not permitted).

a) **Ford 9" Rears Permitted** - Any stock style Ford 9" rear end permitted with stock mounts and mounting locations on any make of car. Steel axle tubes only. Steel mini or full spool only (rear-ends must be locked). Grand National or floater style rear ends are not permitted. On Ford 9" rears, stock OEM calipers only. No aluminum calipers. Aluminum or steel brake hats ok. Ford 9" rears must run standard swing arm type suspension. No independent rear suspension.

b) **Upper Rear Control Arms** – When using an 8.5" ring gear or Ford 9" rear end in any of the metric chassis cars (i.e. Malibu, Grand Prix, Monte Carlo, etc.) the upper control arm on the rear may be shorten a maximum of 2.0" and the hole may be redrilled.

**18. BRAKES:** The entire brake system must remain stock OEM "type", within the stock dimensions, steel thickness, location and configurations as currently delivered OEM for that make, model and year of car unless otherwise noted below.

a) **Brake Rotors:** Aftermarket steel rotors are permitted on the rear. Front rotors must be stock OEM style.

b) **Brake Calipers:** OEM only brake caliper is permitted. Aftermarket brake pads are permitted.

c) **Brake Lines:** Steel, aluminum, rubber or steel-braided brake lines are permitted. Plastic is not permitted.

d) **Brake Master Cylinder:** Aftermarket brake master cylinders are permitted.

e) **Brake Bias or Proportioning Valves:** Brake bias or proportioning valves are permitted. Complete elimination of the brake by a valve at any wheel is permitted.

f) **Disc Brakes:** Will be permitted as follows: Stock steel calipers must remain in manufacturer' line (no aftermarket racing calipers). The caliper mount must be permanently fixed to the axle housing. Steel rotor only and may be aftermarket. An aftermarket aluminum hat is permitted.

**19. WHEELS:** Any automotive steel wheel that has a maximum 12.0" width is permitted, excluding the beadlock are permitted. Heavy-duty wheel studs and lug nuts are highly recommended. If stock wheels are used, wheels must be reinforced with a 0.25" steel center plate. Reverse racing rim permitted. Beadlocks permitted on any wheel. Bleeder or relief valves are not permitted in the wheels. Wheel spacers are permitted.

a) **Wheel Covers** - Metal or plastic wheel covers are permitted. Must be securely fastened to wheel. Foam mud plugs also permitted.

**20. TIRES:** Only an 11-inch Hoosier spec track tire stamped HTMA on the sidewall is permitted for competition. D-15, D-35, D-45 or D-55 are the only compounds permitted on the car.

**Hardness:** The composition and character of the tire may not be altered from original. This includes soaking, softening or recapping. Tire warmers and any other means of artificially warming tires are prohibited.

NOTE: Anyone caught using or possessing tire softener in their hauler or pit area will be subject to penalties from SSP management.

**21. FUEL CELL:** Any approved metal fuel tanks must be used and remain securely mounted in the rear compartment of the car or in the trunk. The fuel cell may not be any lower than the rear end housing.

a) **Fuel Tank Straps:** The fuel cell must be strapped down with at least four-(4) 1.0" wide steel straps or two-(2) 2.0" wide steel straps on the top of the fuel cell and four-(4) 1.5" wide steel straps or two-(2) 2.0" wide steel straps underneath the fuel cell. The straps must a minimum 1/8" in thickness.

b) **Check Valve:** A check valve is mandatory on the filler pipe to prevent fuel spillage in the tank is turned over.

c) **Fuel Cap:** Make absolutely sure that you check the cap on your fuel cell for tightness before going onto the racetrack. The cap should fit snugly onto the cell.

d) **Fuel Pump:** Electric fuel pumps are not permitted unless OEM stock for that make or model of car. Electric fuel pumps must shut off with the ignition.

**22. MIRRORS:** Mirrors are not permitted.

**23. RADIOS:** One-way or two-way communication radios are not permitted with the exception of the mandatory track Receiver radio on the track designated frequency only (**Frequency 1417**).

**24. TRACTION CONTROL DEVICES:** No electronic or computerized wheel spin/traction control devices are permitted. Any driver caught using these devices will be suspended for a minimum of one-(1) year.

**25. CAR NUMBERS:** The car should have numbers of contrasting car color from the body that are a minimum height of 18.0" and width of 4.0" on both doors and a minimum height of 24.0" and width of 6.0" on the roof. Metallic or foil numbers are not recommended and highly discouraged. Scorers will not accept the responsibility for incorrect scoring of cars in which numbers are not clear or easily read from the Control Tower.

**26. MANDATORY SERIES SPONSOR DECALS and PATCHES:** Mandatory series sponsor decals (to be announced) must be prominently displayed in the approved locations at all SSP events. Driver's not displaying the proper decals will not be eligible for certain awards, prizes, etc including those offered at year-end.

**27. CONTINGENCY SPONSOR DECALS:** Contingency sponsor decals are optional, however contingency decals are mandatory and/or use of the product to be eligible for posted awards sponsored by the contingency sponsor.

### **ENGINE SPECIFICATIONS for STREET STOCKS:**

**1. ENGINES PERMITTED:** Engines limited to 365.0 cubic inches and must be in the chassis originally catalogues by manufacturer. All factory identification numbers and/or part numbers must remain on crank and heads. The combination of the rods, block and crankshaft used must be in the same combination that factory originally manufactured (i.e. Chevrolet components only with Chevrolet components and Ford components only with Ford components).

The use of titanium for rods, rod caps, crankshafts or headers is strictly prohibited. It is highly recommended to use a #12AN fitting or one inch plug in the oil pan for inspection purposes. If there is not one, the oil pan must be removed for inspection.

Needle bearing camshafts, crankshafts and rod bearings are not permitted.

**2. ENGINE BLOCK:** The engine block must be an OEM standard production block or approved stock dimension aftermarket block that was 365.0 cubic inches or less originally. No aluminum blocks. The Chevy bow-tie block and Ford SVO block is permitted. Billet machined blocks or heads are not permitted. Only two-(2) valves per spark plug are permitted. Turbine-driven, big blocks, turbos, blowers, superchargers or offset engines are not permitted. Computer operated or controlled parts such as fuel injections or fuel systems are not permitted. Main bearing cap must be iron or steel. The lifter bore must remain stock.

**3. INTAKE MANIFOLD:** Any intake manifold other than a smoke ram or tunnel ram is permitted. Intake/carburetor height to be a maximum of 8.0" measured from the top of the carburetor bowl using a straight edge from the bowl to the #3 or #4 runner of the intake manifold.

**4. CYLINDER HEADS:** Any factory steel cast iron cylinder head, or DART/World Products Sportsman II steel head with casting number must be #1037 or the following Vortec heads are permitted: Vortec L-31 (Part #10125377 or #10159552) and small port bow-tie Vortec (Part #25534421 or #25534351, casting #25534351C). The cylinder head must remain in unaltered "as cast" condition. No aluminum heads. Relocating rocker arm studs is not permitted.

a) All heads must have a minimum 60cc. The "cc" measurement of the intake runner of head must remain stock with the exception of matching port.

b) Matching ports in the intake port of head is permitted. The depth maximum for matching ports is 0.75". The valve seat area may be cleaned up using a maximum 80-degree grinding stone. Screw-in studs, stud girdles and guide plates are permitted.

c) Unless otherwise stated, any cylinder head with evidence of sanding, polishing, relieving, grinding, porting, angle milling, chemical treating, abrasive blasting to the original cast form, will be declared illegal and penalized. O-ringing the head gasket seal area is not permitted.

d) **Combustion Chamber:** The combustion chamber may not be altered in anyway.

e) Ported cylinder heads are illegal as only port matching will be permitted.

**5. VALVES:** Only steel or stainless OEM stock valve or aftermarket OEM production replacement valves are permitted. Any spring, any retainer permitted. Only stock valve guide angle is permitted. Relocating valve guides is not permitted.

**6. CRANKSHAFT:** The crankshaft must be an OEM factory production or OEM stock dimension aftermarket cast iron or steel crankshaft. No swapping of crankshafts between manufacturers. The Ford SVO crankshaft number M6303-H351 is permitted. The MOPAR high performance crankshaft with part number P1420312 is permitted.

a) Polishing of any kind is not permitted. One throw on the crank must have no balancing holes in it. The minimum weight of the crankshaft must be 46.0 lbs.

b) **Stroke:** The stroke must remain OEM stock as currently delivered by OEM with the exception that it may turned a maximum of 0.040" under for the replacement of bearings.

c) **Harmonic Balancer:** Aftermarket OEM stock "type" harmonic balancers are permitted.

**7. RODS:** An OEM production or aftermarket rod with OEM specifications from a V-8 engine less than 365,0 cubic inches is permitted. The modification of rod length is prohibited. Any stock OEM dimension (including length, wrist pin location and journal size) steel rods may be substituted. Titanium or other materials other than steel for rods are not permitted. Rods may not be

polished. No addition or removal of metal other than normal balancing is permitted. Ford permitted to use 6.0" length rod with SVO crank.

**8. PISTONS & RINGS:** Only flat top pistons are permitted with all three piston rings in place. Zero deck piston may not extend above the block. The ring lances and lowers part (skirt) of the piston may not be altered from the original in any way. Gas-porting the piston is not permitted. Floating wrist pins are permitted. Valve reliefs may be cut into the pistons.

**9. ROCKER ARMS:** Roller rocker arms are permitted. Rocker arm studs may not be relocated. Shaft rockers are not permitted.

**10. CAMSHAFTS:** Flat tappet camshafts only are permitted. Mushroom or roller camshafts or roller ball lifters are not permitted. Double overhead cams are not permitted. Gear drive units permitted. No externally adjustable cam timing device.

**Cam Bearings:** Must remain as "stock" Babbitt type. Roller bearings are not permitted.

**11. OIL SYSTEM:** Wet sump system only permitted. Dry sump systems are not permitted.

**12. CARBURETORS:** A maximum of two barrels of carburetion permitted and must have been originally manufactured as a two barrel carburetor (Dominators and Predators are not permitted). Only one carburetor per engine is permitted. No super chargers, fuel injection or turbo chargers.

a) The carburetors, float bowls, booster, venturi area (casting ring may be removed), butterflies, throttle shaft and base plate may be altered.

b) The choke may be removed but all screw holes must be permanently sealed. The choke horn may be removed.

c) The idle holes may be drilled and the butterfly screw ends may be cut even with the shaft.

d) Carburetor jets may be changed.

e) Modifications or components to increase or restrict airflow to the carburetors (such as velocity stacks, heat deflector shields, internal modifications not listed above, etc.) are not permitted.

f) **Carburetor Adapter:** Only a one or two-piece aluminum or phenolic carburetor adapter may be installed between the intake manifold and carburetor. A one-piece gasket may be installed between the carburetor and adapter and between the intake manifold and adapter.

**13. CLUTCH:** If manual transmission is used, it must have an operational an OEM stock style all-steel clutch and starter. Stock configuration clutch must have a full scatter shield of at least 1/4 inch thick steel or an approved bell housing. A 2.0" x 3.0" inch inspection hole located 3.0" from the transmission mounting surface is mandatory for clutch inspection. Multi-disc clutches are not permitted.

a) **Clutch Master Cylinder:** Aftermarket clutch master cylinders are permitted.

b) **Clutch Lines:** Rubber or steel-braided clutch lines are permitted.

**14. FLYWHEELS:** Only steel flywheels and steel flexplates are permitted. Aluminum flywheels are not permitted.

**15. WATER PUMP:** Aftermarket aluminum OEM stock "type" water pumps and aluminum pulleys are permitted.

**16. RADIATOR:** Any aftermarket aluminum or copper radiator is permitted. An electric fan with a shroud is permitted. The radiator must remain in the engine compartment.

**17. IGNITION SYSTEM:** The complete ignition/starter control system must be either electronic, single-point or dual-point distributor type ignition and may be aftermarket. Crank triggers or magnetos are not permitted. Stock distributor with aftermarket components, including MSD HEI Distributor is permitted, no modification to housing. No MSD ignition boxes. Ford may use the Ford ignition box.

a) **Ignition Switch:** The ignition switch must be within easy reach of the driver.

b) **Spark Plugs and Wiring:** Any aftermarket type may be used.

**18. BATTERY:** The battery must be securely mounted in either the engine compartment or in the driver's or trunk compartment completely enclosed in a battery box. A battery shut-off switch is recommended and should be easily visible from outside the car and marked "on/off".

**19. EXHAUST SYSTEM:** Chassis type headers only permitted with collector designed to exit the car from behind is permitted. Exhaust must extend beyond the firewall. Exhaust may not exit through the side of the car. Frame notching is not permitted! Header wrapping (tape) and ceramic coatings are permitted. "Up and over" or 180 degree headers are not permitted.

**20. MUFFLERS:** Mufflers are mandatory on all cars and must be attached at the completion of the event or that driver will be scored at the last place position in that event if the muffler is not attached to the car, except in rare instances. The only approved muffler is a Schoenfeld muffler model number 83535K or Vortex cone insert (3.0" or 3.5"). No alteration to the mufflers are permitted.

**21. OIL ADDITIVES:** Any competitor caught using any of the following combustion enhancing additives in the engine oil will be banned from all SSP events for a minimum of 60 days from the date of the infraction: hydrazine, toluene, dinitrotoluene, dioxane, propylene oxide, or nitropropane.

**22. FUEL:** Gasoline only is permitted. All fuel must be of the same specifications, specific gravity, color, smell of gasoline only according to Federal Standards of Purity, Grade A or AA. No additives of any kind permitted. The track reserves the right to take specific samples of fuel at any time for testing purposes. Any additives/mixing detected in fuel may result in a disqualification, fine, suspension, loss of purse and loss of points or any combination thereof.

a) **Laboratory Testing:** SSP has the ability to conduct laboratory analysis of fuels. Samples for lab analysis may be taken from a competitor's fuel tank at any time at the discretion of the Technical Inspector. Laboratory results will be the final determining factor of whether illegal performance additives are present in the particular fuel sample.

b) **The specific elements which will be searched for include:** alcohols (all types), aldehydes, aminodiphenyl, benzene (in excess of EPA limit), benzidine, beryllium compounds, bromine compounds, butadienes, chlorinated compounds, chromates, dioxanes, ethyl acrylate, ethylene oxide, hydrazine compounds, methylene dianiline, naphthylamine, nitrogen compounds (nitromethane, et al.), styrenes, toluidine and xylydine. Also added to this list will be substances deemed to exceed the Threshold Limit Values (TLV) or Biological Exposure Indices (BEI) as listed by the American Conference of Governmental Industrial Hygienists (ACGIH).

c) **Penalty for Fuel Rule Violations:** Any competitor (driver and/or owner) caught using any of the illegal fuel additives as previously mentioned is subject to a minimum 60-day suspension from the date of the infraction. Suspensions will be determined based on the chemical composition of the additive in question.

**23. GAUGES:** Only onboard gauges that record the following information are permitted - water temperature, lap timer, RPM, oil pressure, oil temperature, brake bias pressure and fuel pressure. Direct reading oil temperature, fuel pressure and oil pressure gauges must use steel braided lines, not plastic or rubber. Onboard telemetry systems are not permitted.

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