

2012 Hickory Motor Speedway Street Stock Rules

JUST BECAUSE IT DOES NOT SAY **NO** DOES NOT MEAN YOU CAN DO IT!

\$1000 fine for soaking tires.

\$100 fine for antifreeze.

COMPETING MODELS

1960-1990 models only of American rear wheel drive cars with a wheelbase of 101-108 inches. Wheelbase must be for make and model of car and remain unaltered. NO mustangs.

CAR BODIES

1. Body must remain stock appearing.
2. NO reinforcements permitted with the exception of the hood, front fender wells and trunk lid. All must remain stock appearing.
3. Anything that bolts in may be removed.
4. Firewalls must remain stock and in stock location with the discretion of track officials.
5. Hood may be fiberglass and must have 5 hood pins total; 3 across the front.
6. All hood and cowl air vents must be removed or covered.
7. Doors must be welded or bolted shut.
8. All glass and flammable materials must be removed.
9. Windshield required. Back glass optional. 1/16 inch Lexan required.
10. Quarter panels and front fenders may be cut for tire clearance only.
11. Front inner fenders may be removed.
12. Any fabricated sheet metal must be minimum 22 gauge steel.
13. Roof height minimum 49 inches.

WEIGHT

1. All weights are with driver before and after the race. Only gas and water may be added after the race.
2. 105 inch and longer coil spring cars 3200/1440. (total/right)
3. 101 inch coil spring cars 3250/1465.
4. 110 inch and longer leaf spring cars 3200/1440
5. All other leaf spring cars 3250/1465
6. Cars with rear disc brakes add 50 lbs.
7. *Aftermarket bodies add 50lbs. to RS above and beyond total weight (Ex. 105" and longer coil spring 3250-1490)

Cars with front screw jacks must add 50lbs. overall - 55%/45% split

*For competitor equality cars with front screw jacks will not be allowed to make jack bolt wedge adjustments during the actual race. * (1 lap penalty will be enforced)

8. All lead must be painted with car number on it.
9. Claimed weight must be displayed on right rear corner of hood.

ENGINE COMBINATION #1, BUILT MOTOR

1. Only standard production engines allowed. Chevrolet 350 cubic inch maximum, Ford 351 cubic inch, Chrysler 360 cubic inch.
2. Engines may be interchanged in manufacturer lines only.
3. Engine may be balanced.
4. Steel racing oil pan permitted.
5. No windage trays in oil pan.
6. No polishing or painting inside of block.
7. Overbore of .060 permitted.
8. No electric fuel pumps permitted.
9. Stock connecting rods only. No polishing or machine work will be permitted.
10. Flat top or dish pistons permitted. Stock replacement only. Pistons must have "four eyebrows" all the same size.

11. Stock hydraulic cam and lifters with a maximum lift of .450 and stock rocker arm ratio. Lift will be measured at the retainer after replacing the hydraulic lifter with a solid lifter.
12. Stock crank with stock stroke must be retained. Crank casting number must not be removed. Crank minimum weight 50 pounds.
13. Crank journals may be ground for undersize bearings. No other machine work will be permitted.
14. Piston must not extend above top of block. Except Chrysler.
15. Piston, pin and rod minimum weight 1200 grams.
16. Four bolt-main blocks permitted with stock caps only.
17. Aluminum and aftermarket pulleys allowed.
18. Crankshaft height 12" minimum.

CYLINDER HEADS

1. Cylinder heads must be stock for make of engine.
2. Stock production steel heads only.
3. No vortec heads, no angle plug heads
4. Maximum valve size intake 1.94, exhaust 1.50
5. No necked down valve stems.
6. Maximum valve spring wire size .188 inch.
7. No cutting of head for larger valve spring.
8. Poly locks permitted on rocker arm studs.
9. Screwed in rocker arm studs permitted.
10. No angle cut heads permitted.
11. All casting numbers must remain unaltered.
12. NO modifications, no porting or polishing. No grinding of any kind. 3 angle valve job ok as per Late Model Stock rule.
13. 72cc minimum.

INTAKE and SPACER ENGINE #1

1. Only the following Edelbrock aluminum intakes are permitted. Chevrolet #2101, Ford with 4bbl heads #2665, Ford with 2bbl heads #2750, Ford Windsor #2181, Chrysler #2176.
2. No porting, polishing or gasket matching will be permitted.
3. Only a one-piece solid aluminum spacer, 3/4 inch thickness may be installed between intake manifold and carburetor.
4. Spacer must be centered on intake manifold.
5. Spacer must have 2 holes with 1 1/2 inch openings that match the base of the carburetor. Holes must be centered and cut perpendicular with the base of the carburetor. No tapers or bevels.
6. Only 2 paper gaskets, 1 per side, maximum thickness .065 will be permitted.
7. No adjustable spacer will be permitted.
8. No other modifications will be permitted.

ENGINE COMBINATION #2, GM 88958602 CRATE MOTOR

1. This engine must be completely stock including but not limited to distributor, oil pan, intake manifold, valve covers, timing chain cover, vibration dampener, etc
2. Any non-approved modifications may result in confiscation of entire motor including but not limited to intake, starter, valve covers, rocker arms, springs, etc.
3. Crankshaft height 12" minimum.
4. Crate motor technical specifications will be based on the GM Performance Parts Circle Track Crate Engine Technical Manual part# 88958668 revised May 2010.

INTAKE AND SPACER ENGINE #2

1. Intake manifold must be stock for 8602 crate motor.
2. Only a one-piece solid aluminum spacer, 3/4 inch thickness may be installed between intake manifold and carburetor.
3. Spacer must be centered on intake manifold.
4. Spacer must have 2 holes with 1 1/2 inch openings that match the base of the carburetor. Holes must be centered and cut perpendicular with the base of the carburetor. No tapers or bevels.
5. Only 2 paper gaskets, 1 per side, maximum thickness .065 will be permitted.
6. No adjustable spacers will be permitted.

CARBURETOR (all motors)

Holley 2300 2bbl carburetor model #7448 with a venturi size of 1 3/16 inch and maintaining throttle bore maximum size of 1 1/2 inch. See below for rework guidelines:

1. No polishing, grinding or drilling holes will be permitted in the body of the carburetor.
2. Choke may be removed and all holes must be permanently sealed.
3. Choke horn may not be removed and/or altered.

4. Boosters may not be altered in any manner including size, shape or height.
5. Venturi area must not be altered in any manner. Casting ring must not be removed.
6. Base plate must not be altered in shape or size.
7. Stock butterflies must not be thinned or tapered. Idle holes may be drilled in butterflies. Screw ends may be cut even with shafts, but screw heads must remain standard.
8. Throttle shafts must remain standard and must not be cut or thinned in any manner.
9. Any attempt to pull outside air other than through the venturi is not permitted.

AIR CLEANER

1. Round air cleaner element minimum of 12 inches; maximum of 17 inches in diameter permitted.
2. Top and bottom of air cleaner must be the same size.
3. Element must be minimum of 1 ½ inch and a maximum of 4 inches in height.
4. Air filter element same as LMSC 2011.
5. No tubes, funnels or anything which may control the flow of air are permitted inside the air cleaner or between the carburetor and air cleaner.
6. No shield around air cleaner will be permitted.
7. Base of air cleaner cannot extend higher than carburetor choke horn.

COOLING SYSTEM

1. Aluminum radiators permitted.
2. Antifreeze is not permitted.
3. Electric fans are permitted.
4. Radiators must be stock appearing and installed in front of the engine.
5. All air to the engine compartment must pass through the radiator. No ducting or directing of air to the carburetor.

EXHAUST

1. Single flange tube headers permitted. Maximum ID 1 5/8 inch.
2. No wrap around or 180 degree headers will be permitted.
3. OEM stock cast iron manifolds permitted.
4. Aftermarket exhaust manifolds permitted.
5. Exhaust collectors and exit pipes must not exceed 3 inch OD.
6. All exhaust must exit under the car and behind the driver.
7. No thermal wrap will be permitted on headers, collectors or exit pipes.

TRANSMISSION and FLYWHEEL ASSEMBLY

1. 3 or 4 speed transmissions permitted. All forward and reverse gears must be in working order from driver's seat in car.
2. No aftermarket transmissions will be permitted.
3. All clutches and pressure plates must remain stock type. Clutch discs without springs are recommended. All flywheels must weigh a minimum of 15 pounds.
4. Clutch minimum size 10 ½ inch
5. No aluminum clutch or flywheel components allowed.
6. Steel bellhousing or scattershield must be installed on top, left, and right side of firewall constructed of 1/8 inch thick steel or ¼ inch belting.
7. Hydraulic clutch slave system may be used to operate clutch.
8. Drive shaft must be at least 2 ¾ inch in diameter and be of magnetic steel only. Drive shaft must be painted white with two safety loops attached to the bottom of car.

REAR END

1. Stock rear end for make and model of car. 10 and 12 bolt rear ends allowed. Ford 9 inch allowed.
2. Differentials may be locked, Detroit locker or limited slip. NO Torsions (gleasons, Gold-Trac, etc).
3. Floating type rear ends Allowed and recommended.
4. Metric Cars may have adjustable coil spring spacers IN REAR ONLY.
5. Leaf Spring cars may have adjustable lowering blocks and adjustable spring shackles in rear.
6. Rear end hook up must be stock from factory. Trailing arms must be stock for make and model. Cars with factory panhard bar must be un-altered and non-adjustable.
7. Bolt pattern: 5 inch X 4 ½ inch, 5 inch X 4 ¾, 5 inch X 5 inch, and 5 inch X 5½ inch.
8. No cambered or toed rear ends.

SPRINGS and SHOCKS

1. Heavy duty springs optional as long as they fit in original position. No coating permitted.
2. Front shocks will be moved outboard for easy control and inspection.
3. Approved shock are the Pro WB Series in 7" or 9" stroke with valve numbers of 4s, 5s, 6s or 7s.

Shocks must be marked Pro-Spec as sold by JM Motorsports - \$75.00 each + tax

John Michalowski at 704-201-8157

4. Shock claim rule - \$300, including struts - \$400.
5. Up to 3 inch non-adjustable lowering blocks permitted on rear.
6. Only rubber type spacers are permitted in coil springs.
7. Springs front and rear must match body.

FRAME

1. Frames must be stock. No shortening or altering in any way. Any modifications must be approved by NASCAR Head Tech Official.
2. Frame rails and sub-frames must be stock for make and year model.
3. No interchanging of frames.
4. Lower A-arms must remain unaltered. NO slotting of mounting holes.
5. Tubular upper A-arms allowed. Must resemble stock upper A-arm. No helm joints allowed. Must be magnetic steel. Must maintain stock mounting location. Must maintain stock mounting location, reinforcing of stock mounts approved.
6. Engine must remain in stock location.
7. Solid engine and transmission mounts are permitted.
8. Stock spindles, steering box and steering arms only. NO DROPPED SPINDLES as measured on spindle pin. No altering of centerlink or adjustments/slugs for bump steer.
9. "X" may be added between the inside of the frame rails for driver protection.
10. Maximum sway bar 1 1/2 inches. Sway bar mounting must be in stock location with maximum of 1/2 inch drop for bushing/spacer. Sway bar must solid mount to lower A-frame in stock location, helm joints approved. No Slappers. No spline bars or 3 piece bars. \$100.00 claim rule includes bar and bushings.
Mounting and location will be approved by officials.
11. 5" height rule for all cars, metric cars will be measured at stub-frame and leaf spring at rocker panel. All cars must maintain a roof height of 49".

WHEELS

1. Maximum width 8 inch
2. Steel wheels only.
3. Air bleeders will not be permitted.
4. Racing wheels with the same offset on all 4 wheels permitted.
5. All 4 wheels must be the same size.
6. At least 3 threads must be visible outside the lug nut on all wheel studs.
7. No welding allowed on any wheels.
8. No lightweight wheels allowed.

FUEL and FUEL SYSTEM

1. Track fuel only
2. No mixtures or additives of any kind.
3. No nitrous oxide permitted.
4. Cooling of fuel not permitted.
5. Fuel cells are mandatory.
6. The maximum capacity allowed is 22 gallons
7. Fuel cells must have working check valve and foam.
8. Fuel cells must be mounted equal distance between frame rails and have 9 inch minimum ground clearance.
9. Fuel cell must be mounted in approved steel can.
10. Right side fuel fill not permitted.
11. Electric fuel pump not permitted.
12. A fuel cell protector bar must be installed at the rear of the frame.

ELECTRICAL SYSTEM

1. Starter must be in working order.
2. Battery may be relocated but must be bolted down securely and covered or placed in a battery box.
3. Only one 12-volt battery permitted.
4. HEI ignition permitted.
5. No dual point distributor permitted.
6. NO MSD boxes.
7. No ignition boosters permitted.

BRAKES

1. Stock brakes. No dual master cylinders.
2. Disc brakes permitted on front only. Rear disc brakes add 50 lbs.
3. One master cylinder with no adjustable proportioning valves permitted.
4. All four (4) brakes must work.

ROLL CAGE

1. 4 point cage with curved door bars required.
2. Roll bars must be welded and made of at least .090 roll bar tubing.
3. Approved loop around radiator and behind grille is permitted.
4. Roll bars may be extended through engine compartment and rear deck.
5. Right side door must be "X" or 4 bars.
6. See Nascar Whelen All American Series rulebook for details.

SPOILER

1. Homemade spoilers must not be over 5 inches high and must be no wider than 60 inches.
2. Spoiler must be mounted on the rear of deck lid.
3. Factory spoilers permitted on rear.
4. No front spoilers of any type
5. Homemade spoilers must maintain a 40-50 degree angle.
6. Spoiler side panels not permitted.

BUMPER

1. Bumpers must be stock appearing for make and model.
2. ABS tail and nose cover allowed. Support bars behind nose maximum size is 1 ¾ round or 2 inch square. 2 bars maximum

WHEELBASE

1. Wheelbase must be stock from factory plus or minus ½ inch tolerance.

TREADWIDTH

1. Spacers will be permitted to utilize the maximum allowable tread width. - One spacer per wheel, no welding, magnetized steel. Billet aluminum or magnetic Steel is approved. Spacers, if used, must be the same thickness left and right; however, the front and rear do not have to agree. Cars must not exceed the maximum allowable tread width of 65 inches, front and rear measured from the inside of one wheel to the outside of the other wheel, zero toe-in, at spindle height. A tolerance of ½ inch will be permitted between the front tread width and rear tread width, but the widest tread width **must not exceed** 65 inches. No welding allowed on any wheels.

