

HICKORY MOTOR SPEEDWAY 2012 SUPER TRUCKS RULES

\$1000 fine for tire soaking

\$100 fine for antifreeze

ELIGIBLE MODELS

Chevy C-10	GMC 1500
Dodge Ram	Ford F-150

WEIGHT

1. Minimum total weight 2,800 lbs. Right side weight must be 1,200 lbs. (43%). Weight will be with driver before and after race.

WHEELBASE

1. All models must compete with 112" on one side (+/- ½ inch on opposite side.) NO extra tolerances will be allowed.

TREAD WIDTH

1. All models will compete with a tread width of 65" (+½ inch). Tread width will be measured from the inside of one wheel to the outside of the opposite wheel as raced.

ENGINE

1. Displacement will be as follows:
2. GM 350 C.I.- .045 in. overbore (Max)
3. Ford 351 C.I.- .045 in. overbore (Max)
4. Dodge 340 or 360 C.I.- .030" overbore(Max)
5. Late Model Stock Rules apply to all engines and components with exception of the ZZ4 355HP "Crate" engine part # 88958603. This engine must remain completely stock. NO exceptions.
6. Crate motor technical specifications will be based on the GM Performance Parts Circle Track Crate Engine Technical Manual part# 88958668 revised May 2010.

CYLINDER HEADS

1. Late Model Stock engine rules apply except ZZ4 aluminum heads must remain stock # 12556463.
2. Intake manifolds Late Model Stock rules apply. Except ZZ4 stock intake # 10185063. NO modifications.

ENGINE LOCATION

1. Center of the crankshaft must be within 1" of center of frame.
2. Front of crankshaft must be a minimum of 12" measured from the ground to center of front crankshaft balancer retaining bolt.
3. All engines 2" maximum setback from #1 spark plug hole.

CARBURETOR

1. Only the 350 CFM Holley 2300, model #7448 on late model engines. LMSC rules apply.
2. 390 CFM Holley #80507-1 allowed on ZZ4 crate engine. Must be stock out-of-box except you may change jets, power valve, ACC pump, etc. NO machine work of any kind allowed.
3. Only 1 paper gasket .065 thick will be allowed between carburetor and spacer and 1 paper gasket .065 between spacer and manifold.

AIR CLEANER/AIR FILTER

1. LMSC engines: Late Model rules apply.
2. ZZ4 4BBL: Same as Late Model except offset allowed for dist. clearance.
3. Spacer between the air cleaner base and the carburetor must be attached to the air cleaner and the highest part of the bottom of the air filter housing must be equal or lower to the top of the carburetor vent tubes.

ELECTRICAL SYSTEM

1. Same as LMSC (2011).

RADIATOR/COOLING SYSTEM

1. Same as LMSC (2011).

EXHAUST

1. Headers may be used.

2. Exhaust must exit past the driver to the right side of the truck, but must not exit down towards the track.
3. Collectors two into one allowed.

REAR DRIVE AXLE

1. Any heavy duty racing axle allowed, quick change, etc.
2. Only magnetic steel axles and axle housings permitted.
3. Cambered rear ends not permitted.
4. Any gear ratio permitted.
5. Spool or Detroit locker only.

SUSPENSION

1. May be coil over, leaf, three link, coil, or truck arm on rear suspension. No rear swaybars allowed.
2. Screw jacks allowed.
3. No remote weight jacking devices allowed.

SHOCKS

1. Shocks may be gas charged or oil filled, one per wheel.
2. Shocks must be removed to adjust.
3. One shock and one spring per wheel.
4. Adjustable shocks allowed.

Shocks will be controlled by a \$150.00 per shock claimer rule. Any competitor finishing within three (3) positions of the claimee may claim the shocks from that event. The claim must be made in writing within 20 minutes after the event accompanied by the cash. Anyone not allowing their shocks to be claimed will forfeit the purse for that event and may be fined.

STEERING

1. Any type of steering allowed.
2. Rack and pinion may be used.
3. Any steel lower or upper "A" arms allowed.
4. Upper "A" arm cross shaft may be aluminum.
5. Front sway bars allowed.
6. Front screw jacks allowed.
7. Aluminum tie rods/struts allowed.
8. Steering wheel must be magnetic steel.

BODIES

1. All truck bodies must be installed in a safe manner. Guideline example: hood pin location, window braces, crush panels, etc., must be installed per NASCAR LMSC guidelines.
2. Body measurements must be within the minimum or maximum of the body guideline chart. (See page in rear of book).
3. No door vents or side windows – fresh air duct allowed.
4. No holes permitted in hood, rear deck, or rear bumper. Hood must seal at rear to windshield.
5. Bodies may be fiberglass, metal, or combination of both.
6. All bodies must be stock appearing and neatly installed.
7. Five-Star, ARP, Speedway Bodies may be used.

BUMPERS/COVERS

1. Bumpers may be constructed from tubing and mounted as per Late Model Stock rules. Bumper height specs can be found in the Body Guideline rules.
2. Front and rear nose and tail covers may be aftermarket type. Plastic or fiberglass construction.

WHEELS

1. Steel wheels only. Five-on-fives or wide five's allowed.
2. Size- 15"x10".
3. Must be same offset left and right.

CLUTCH

1. Any steel constructed minimum 5-1/2" single, double, or triple disc clutch allowed.
2. No cone clutches allowed.
3. A manual or hydraulic release bearing assembly allowed.
4. Any racing pedal sets allowed.
5. Brake bias system allowed. Can be in reach of the driver.

TRANSMISSION

1. Three or four-speed transmission allowed. All forward gears and reverse gear must be in working order, and they must be operational from inside the driver's compartment.
2. Automatic transmissions not permitted.
3. No quick change transmissions.
4. All trucks must run a steel fly wheel or flex plate.
5. All starters must be mounted forward of the flywheel.
6. No gun-drilled shafts allowed.
7. No aluminum gears allowed.

BATTERY

1. Battery must be mounted outside of driver's area, inside a metal container securely mounted.
2. A battery disconnect switch must be mounted in an area as per NASCAR Late Model Stock rules, where safety personnel can reach it easily and quickly.

DRIVESHAFT

1. Driveshaft may be either 3" or 2-3/4" in diameter and must be painted white.
2. Universal joints and yokes must be magnetic steel. Driveshaft must be one piece. Drive shaft may be aluminum.
3. It is mandatory that two 360-degree magnetic steel brackets (hoops), no less than two inches wide and ¼ inch thick be placed around the drive shaft and fastened to the cross member.

WINDSHIELD

1. A clear polycarbonate windshield must be used in lieu of standard glass. The windshield must be a minimum of 1/8" thick and have a minimum of three (3) metal straps or braces 1/8 inch by one inch installed inside the windshield.
2. The straps must be bolted to the roof panel or roll bar at the top and bottom of the dash panel with 5/16 bolts. A piece of rubber must be installed between the windshield and straps.
3. Windshield clips three inches wide by one inch by 1/8th inch must be installed, if not riveted or bolted in place. Clips must be spaced a minimum of 12 inches apart.
4. No side windows allowed.
5. Driver's vent allowed.

WEIGHT

1. Must be painted white with truck number on it.
2. Weight must be bolted securely in place and in no less than five (5) pound blocks.

SPOILERS

1. Spoilers may have a maximum height of 5" and be no longer than 60" in length.

TIRES

1. Competitors will be required to purchase five (5) used Goodyear 2902 tires from HMS every week.
2. Competitors caught using non-approved tires will have the tires and wheels confiscated and may be subject to disqualification, fines, and loss of points.

FUEL

1. Track fuel only. All trucks must purchase (5) five gallons of track fuel per event. No additives of any kind.

FUEL CELL

1. Fuel cell must be in a steel container and mounted as per LMSC rules.
2. Fuel cell may be mounted offset left.
3. With underslung rear clips, fuel cell ground clearance must be minimum 10"
4. With over-top rear clips, fuel cell ground clearance must be minimum 8".

FRAME REQUIREMENTS

A perimeter offset right and left tubular steel frame and roll cage must be used: minimum 2" wide x 3" high tubing .083-inch thickness. A stock front sub frame may be used. The centerline of front and rear sub frame must be within 1" of the centerline of the tread width. Rear sub frame may be over or under rear axle. Under-axle frame must be 2" x 3" .083 rectangular tubing and extend minimum 4" past rear axle. 2" x 2' .083 tubing may extend to rear bumper. No bolt on front of rear sub frames permitted.

Minimum chassis and body ground clearance 4".

NOTE: Roll cage is to be constructed same as NASCAR Late Model Stock 2007 Rule Book.

Roll cage to be constructed of roll bar tubing with a minimum outside diameter of one and three quarter inches and .083 walls. Full cage is required with four uprights and four top bars. Main roll cage must be welded to the top outside frame rail or left and right frame rails. Minimum of four (4) horizontal bars in driver's and passenger door required. Left and right door bars must be same configurations. All bars in driver's compartment must be .083 tubing and covered with roll bar padding. All bars are to conform close to body configuration. All trucks must have a center windshield bar .083 x 1 ¾ tubing. Driver's door bars must be covered with steel plate minimum 1/8" thickness. **Any race truck built after January 01, 2004, must have roll bar tubing with a minimum outside diameter 1 ¾" and .090 walls**

SAFETY REQUIREMENTS

1. At all times during an Event (practice, qualifying, and competition), drivers should connect their

helmet to a Track approved head-and-neck restraint device/system. The head-and-neck restraint device/system when connected, should be configured, maintained, and used in accordance with the manufacturer's instructions.

2. IT IS THE RESPONSIBILITY FOR THE DRIVER, NOT NASCAR, TRACK OFFICIALS, OR THE PROMOTER, TO INSURE THAT HIS/HER DEVICE/SYSTEM IS TRACK APPROVED, CORRECTLY INSTALLED, MAINTAINED AND PROPERLY USED.

3. The following are the currently TRACK approved Head and Neck Restraint Devices/Systems:

HANS Device
Hutchens Device

ANY ITEMS NOT COVERED IN THE ABOVE RULES WILL BE AT OFFICIALS' DISCRETION.