

2024 NMS ABC Stock Car Rules

The ABC Stock Car Division is designed to allow the competition of many different variations of stock cars which are currently racing at most local short tracks in Michigan and surrounding areas or have raced in the past.

The most common classes of cars are typically known as Sportsman, Street Stock/Factory Stock, and Pure Stock. Other names for allowable classes to compete in this series might be Pro Stock, Super Stock, Factory Stock and Lead Sled. This division is designed for current up to date race cars as well as what many consider to be old and outdated race cars.

The basic ABC Stock Car is V8 powered and rear wheel drive. Tech in this division is very easy since all areas of enforcement are clearly visible. Teardowns are not needed in this division. In addition to the requirement of V8 and RWD, there are some ultimate limits to what is allowed in the ABC Division, the basic concept allows everyone to be competitive because of the feature race format. The generic ABC name is derived from the features that will be run, A-main, B-main, C-main. The format allows for an unlimited number of cars to race since additional features can be added. The ABC concept allows everyone to be able to compete in a feature along with other drivers and cars of similar speed. There are no consi races or semi features. Everyone qualifies for a feature, the A-main, B-main, C-main, or depending on the qualifying times and quantity of cars D-main, E-main etc.

Eligible Chassis

1. Factory production unibody cars.
2. Factory stock full frame cars.
3. Stock front sub frames from front of forward steering box mount rearward to 2" past rear lower control arm mount must remain stock with tubed center and rear sections. Stock crossmember required. Crossmember may be altered for fuel pump location.
4. Minimum wheelbase is 102".

Bodies

1. All cars should remain as stock appearing as possible. Any cars that do not look like a stock car/truck may not be legal per the track official's discretion.
2. Rear panels are to be fully enclosed from top of rear deck to bumper and from left quarter panel to right quarter panel.
3. Maximum overall width of any part of the car is 82".
4. Bodies may be factory stock production, fabricated stock appearing, or template style.
5. Bodies may be constructed of sheet metal, aluminum, or fiberglass, plastic nose/tail bumper covers are allowed.
6. No Camaro 2/10ths nose.

Brakes

1. Working Brakes at all four wheels are required.
2. In-cockpit brake adjusters are permitted.

Engine/Transmissions

1. Production style cast iron block with cast iron heads is required. No aluminum heads.
2. GM Crate engine option for 350/350 hp. P.N. 88958602 including spec. carburetor allowed.
3. Wet sump with internal oil pumps only. No dry sump engines.
4. Any intake with any single 2 barrel or 4 barrel carburetor.
5. Engine setback to be measured at ball joint centerline closest to forward most spark on engine. Set back is not to exceed 4" rearward from the forward most spark plug. Engines in the 2.01" range to 4" range are to carry an additional 25lbs of ballast anchored with ½" bolts. Chassis with more than 4" offset back are ineligible for competition.
6. No magneto ignitions.
7. Any stock manual or automatic transmissions are allowed.
8. Bert, Brinn and all other racing transmissions are allowed.

Exhaust

1. Headers are allowed.
2. Single or dual exhaust are allowed.
3. Mufflers are optional.
4. Exhaust must exit behind driver and may not pass through driver compartment unless blocked off to prevent direct exposure to the driver.
5. Must be able to pass 100 decibel test at 100 feet.

Safety

1. Four post roll cage of quality construction/welding is required. Cage must be constructed of round tubing and may be black pipe material. Must be welded, not bolted together.
2. Center section of cage must have at least four door bars on left side and at least three on right side.
3. Left side of cage must have ⅛" minimum steel plate welded on. Plate must extend front upright to rear upright and from top door bar to frame rail.
4. All bars within reach of any part of the drivers body must be padded with approved roll bar padding.
5. Steering shafts must have a minimum of 2 U-joints or collapsible steering column.
6. Aluminum racing seat properly mounted to roll cage is required.
7. A racing fuel cell is required. Stock gas tanks are not allowed. If the bottom of the fuel cell is located below the bottom of the frame rails, it is to be protected with a steel hoop properly welded to the frame behind the cell. Lanyards are required for gas caps. Violators of the gas cap lanyards may be disqualified from the race.
8. Front and rear firewalls must be completely sealed from driver's compartment.
9. Battery is to be contained in a sealed covered compartment.

Spoiler

1. Maximum spoiler dimensions are 6"x 60".
2. Spoiler must be centered on rear deck.
3. Supports made of small tube or bar material are allowed but must be no higher than the top of the spoiler.
4. No verticals allowed on spoilers, strut or strap style supports only.

Suspension (front)

1. Tubular upper control arms allowed.
2. Stock steel lower non-adjustable control arms only.
3. Screw jacks allowed.
4. No coil over shocks allowed, No tie-downs, No adjustable shocks.
5. Rack and pinion allowed with tubular front clips and stock lower A-arms in the a-class. Must weigh 3200lbs.
6. No bump stop suspension. Stroke of shocks must collapse to the body.

Suspension (rear)

1. Upper and lower control arms may be adjustable.
2. 5" coil over shocks allowed. Shocks are to be fully contained with no external components, lines, canisters, etc. No adjustable shocks. No snifter valves.
3. Screw jacks are allowed.
4. B and C class require stock steering box to be mounted in stock location factory front clip.
5. No bump stop suspension. Stroke of shocks must collapse to the body.

Tires

Hoosier D800

Weight

1. Minimum weight, with driver in race trim, is 3100lbs for all cars, except tube front clip chassis 3200lbs.
2. Any added weight must be secured with 2" bolts and may not extend below the bottom of the frame rails at any point. All weights must be painted white and have car #'s clearly marked on it.
3. MAX 60% left-hand weight.

Wheels/Hubs

1. Steel wheels made for racing with a maximum width of 8".
2. 1" minimum lug nuts and studs must be flush with outer edge of lug nut.
3. Car will be deemed unsafe for racing if more than one stud on any wheel is broken.

