



## HOBBY STOCK RULES - 2019

### UPDATED / NEW

#### \*GENERAL

The Hobby Stock Class is designed for STOCK Street Cars ONLY! **NO** High Performance or Racing Parts allowed! Engine, Suspension, and Drive-Train MUST be STOCK! **Track officials may teardown any car at any time. NO** Drivers currently licensed in WISSOTA, IMCA (Higher Class) will be allowed to race in the Hobby Stock Class. **IMCA Hobby Stock Cars are allowed but MUST follow IMCA Hobby Stock Rules- NO Mixing Rules - NO Exceptions!**

#### \*SAFETY

1. All drivers **MUST** have Fire Suit, Fire Resistant Gloves and Shoes. **Neck Brace recommended (under 18 Required).**
2. Aluminum Race Seat ONLY and **MUST** be mounted in STOCK location. Tail light mounted and ON in rear window.
3. **MUST** have 5-point racing harness with minimum 3" lap belt & 3" shoulder belts mounted to main roll cage.
4. **Safety Belts** MUST be less than 5 years old and **Helmets** MUST be Snell-Rated SA2005, SA2010 or SA2015.
5. Driver-side window Net required & **MUST** be mounted to the roll cage with latch at the top for easy accessibility.
6. Kill Switch clearly marked 'OFF' & 'ON' and within easy reach of the driver.
7. One **12 volt Battery** only must be covered and securely mounted inside the car.

#### \*ROLL CAGE

1. A (6) Point Roll Cage is **REQUIRED**: one post by each windshield post and two behind the driver with **ALL** four connected at the top with a roof hoop. You **MUST** have an angle brace from the driver's front of the roof hoop to the right rear of the roof hoop. You **MUST** have an angle brace running from the upper right corner to the lower left corner behind the driver. The two back bars **MUST** run from the top left and top right of the roof hoop to the rear of the car. We recommend a protective bar running from the front left cage post forward and down to the frame to protect the drivers foot area. There should be a minimum of 3" from the top of the cage to the top of the driver's head.
2. Main cage **MUST** consist of **1.75 inch** O.D. tubing, with a wall thickness of at least **.095 inch**.
3. Minimum of Four (4) 3/8" windshield bars.
4. Minimum of Three (3) Door Bars on the left side.

#### \*FRAME

1. Any American made full body rear wheel drive car with factory specifications of **108 inch wheel base** or more.
2. **NO** Camaros, Firebirds, Mustangs, Vans, Trucks, Station Wagons, Front Wheel Drive or 4 Wheel Drives
3. Minimum Weight w/Driver and clearly visible for tech inspector on car
  - **321** cu. in or less = **3400 pounds**
  - **322** to **367** cu. in. = **3600 pounds**
  - Over **367** cu. in. = **3800 pounds.**
  - Weight **MUST** be painted on top of left front fender, visible by scale operator or tech inspector.
4. **NO** reinforcing, cutting apart, welding or modifications of anything on the vehicle is allowed except as specified.

5. All glass and burnable materials must be removed, Hood may be gutted, and Front wheel wells may be removed. 6. Doors may be gutted for door bars only, **NO** gutting of rear wheel wells, steel interior panels or trunk floor.
7. Body must match frame and wheel base, All doors **MUST** be welded shut.
8. Rear bumper **MUST** be stock mounted and tied to rear fenders with straps, **NO** gutting of bumpers!
9. Any stock front bumper is allowed. Straps from front bumper to fender are recommended. You may replace your factory shock absorber mount with pipe no larger than 1 3/4" .095 tubing and brace any bumper using the same material no wider than 48" behind the bumper.
10. Rub bars may be used on the sides of the car, but **MUST** be mounted to the body. They can not be tied to the roll cage. Rub bar maximum 2" tubing with tapered ends.
11. A short piece of 3/8" chain must be bolted through a hole in the bumper and a hole in the frame to prevent the bumper from falling off. This applies to both front and rear bumpers.
12. Sheet or roll plastic or an aftermarket nosepiece may be used but **MUST** be mounted ABOVE the stock bumper. Bumper may be covered but bottom must be able to be seen without getting under the car. **NO** plastic allowed below the bumper.
13. Engine **MUST** remain in original position and Body **MUST** match frame and wheel base.
14. A driveshaft hoop is required and must be located 6" to 12" behind front u-joint. The hoop must be made of 1/4" 2" steel and, if bolt-in type used, must be mounted with graded hardware. Hoop must be 360 degrees around shaft. **NO** chain allowed. Driveshaft must be painted white.

#### **\*ENGINE**

1. **ALL** Engines **MUST** be **STOCK** and Heads **MUST** match Engine. **9:5:1 Max Compression Ratio-Will be Checked**
2. **MUST** be **STOCK** Cast Iron Two Barrel Intakes, **MUST** be **STOCK** 2-Barrel Carburetor and **STOCK** Components.
3. **FUEL MUST** be Pump Gasoline, **RESTRICTOR PLATE** is **Required** and Gaskets **MUST** be OEM.
4. **Allowed** = Racing Oil Pan, Aluminum Pulleys, Valley Pans, Valve Covers, Poly Locks, Cast Pistons w/Valve Relief.
5. **NO** Aluminum Intakes, **NO** Porting, **NO** Polishing, **NO** Carb Adapters, **NO** Gasket Matching, **NO** Spacer Plates, **NO** Porting of Heads, Intakes or Exhaust Manifolds, **NO** Roller CAMS or Roller Lifters Allowed, **NO** Mushroom or Step Lifters Allowed, **NO** Machining permitted to install CAM or Lifters, **NO** Truing of Lifter Bore, **NO** Center Dump Exhaust Manifolds, **NO** Vortec Manifolds, **NO** Double Hump Heads, **NO** Vortec Heads (Casting number **NOT** allowed: 186, 462, 461, 461x, 492, 432, 041, 040, 370, 10239906), **NO** Ford GT-40 or Mopar "W" Race Heads, **NO** Headers, **NO** Roller Tip or Roller Rockers, **NO** Domed Pistons, **NO** Head Angle Milling, **NO** Flat Top Pistons in 400 cu. in **NO** Forged Pistons, **NO** Keith Black Pistons, **NO** Floated or Bushed Rods, **NO** Lightning, **NO** Grinding, **NO** Knife Edging of ANY Type, **NO** Aluminum other than Stock for that Engine, **NO** Aluminum Water Pumps, **NO** Guide Plates, **NO** Stud Stud Girdles, **NO** Helper Springs or Beehive Springs, **NO** Front Bowl Holleys, **NO** Marine Carbs or Intakes, **NO** Electric Fuel Pumps, **NO** Plastic, Wood, Aluminum or Any Other Foreign Material or Homemade Gaskets, **NO** Milling, **NO** Multiple Spark Boxes (MSD), **NO** fuel additives of ANY kind, **NO** Nitrous, **NO** Rev Limiters, **NO** Traction Control Devices and if it's anything that isn't **STOCK** it probably is **NOT ALLOWED. When in doubt - ASK.**
6. Flat tappet hydraulic camshafts **ONLY**, Stock log type manifolds **ONLY**, Piston must sit below deck of block, Stock stroke, Crank **MUST** match block, Rods **MUST** match block, Balancing is allowed, Stock two-piece balancer only, Valve seats may be ground no further than 1/4 inch below top of seat. Valve must match head being used, Stamped steel rockers only, Valve springs **MUST** be stock diameter for heads being used, Ignition **MUST** be either point system or stock electronics (HEI), One Radiator (Stock or Aluminum) **MUST** be mounted to Stock OEM radiator support and remain in original position and be operable. Some fabrication or reinforcing of mounting brackets will be allowed as needed for a safe installation. The portion of the radiator support that extends outside the frame rail may be replaced with pipe to tie the fender to it. Inside the frame rails **MUST** remain stock.

## **\*TRANSMISSION | REAR END**

1. **STOCK** 3-speed automatic transmission ONLY. **MUST** be fully functional forward gears & working reverse.
2. ONLY 350 and 400 transmissions allowed in GM. Transmissions in other brands subject to approval.
3. **NO** Powerglides, **NO** straight stick transmissions, **NO** lightening or removal of internal parts allowed, **NO** Modified Torque Converters, **NO** Full Spools and **NO** Inner Marriage of Rear Ends & Transmissions.
4. Torque Converter MUST be Stock Diameter to transmission being used, Posi-Traction, Welded Rear Ends are Allowed, 4:11 Gears or less and Aftermarket Mini Spool are Allowed.

## **\*BRAKES | SUSPENSION**

1. Brakes MUST be factory **STOCK** including Master Cylinder and Rear Brakes MUST be Drum Brakes.
2. All cars MUST have 4 working brakes at ALL times.
3. Brake pedal MUST be of **STOCK** length for the make/model of car and MUST be **STOCK** mounted to the firewall.
4. **NO** altering of Suspension or Steering, **NO** Racing Shocks, **NO** Filing of #'s off Shocks, "**STOCK Replacement Shocks**" are **NOT STOCK** Shocks and are NOT ALLOWED, **NO** Helper Springs on Shocks, **NO** Sliders on Leaf Cars and **NO** Multiple Holed Shackles.
5. Springs MUST be stock mounted, Rear Springs MUST have pigtails on both ends, Front springs MUST be at least 5" in diameter and at least 12" in length, All springs MUST be tight in the pocket *without* the use of any shims or adjusters, Steering Shaft with U-Joints or slip joint is Allowed and All suspension parts MUST match frame.

## **\*FUEL TANKS**

1. Fuel Tanks MUST be moved into the trunk area. Trunk floor may be gutted for fuel cell BUT no more than 2 inches around cell. If fuel cell protrudes below trunk floor, a fuel cell guard must be in place. This guard will consist of a piece of tubing, minimum of 1 1/2 inches in diameter, 1 inch below the cell and from frame rail to frame rail. The bottom of the fuel cell CAN NOT be lower than the bottom point of the stock frame rail. Cell MUST be mounted to the roll cage.
2. Maximum capacity of fuel tanks not to exceed 10 gallons. Fuel CELLS may be larger.
3. There MUST be a firewall between the Driver and the Fuel Tank.
4. Fuel Tank MUST be Securely Mounted using a minimum of two (2) 2" Steel Straps.
5. If a fuel cell is used, it MUST be in a metal container.

## **\*TIRES AND WHEELS:**

1. DOT (street design) or Used Racing Tires are Allowed.
2. DOT tires with no wider than 8" tread width allowed, with P255/60/R15 being the largest tire allowed. **NO** series less than 60 allowed. Tires MUST be Passenger Series - **NO** grips, snow tires, or truck tires. **NO** defacing of tires. **NO** grooving or siping of street tires.
3. Current or former racing tires allowed on WISSOTA Street Stocks or MW Mods, or IMCA Stock Cars or IMCA Modifieds are the racing tires allowed (Hoosier E-mod, Hoosier W35, G60, etc). Tires MUST have 6/32 of an inch or less tread depth prior to a race - **NO TOLERANCE**. Racing Tires MAY BE Grooved and Siped. **NO** Late model or Sprint car style tires allowed. Tech Officials have final say if tires are legal - if in doubt, ask ahead of time.
4. If a Racing Tire is used for one tire, matching tires MUST be used on ALL four corners.
5. 14" or 15" by 8" Steel wheels. Chrome or white spoke allowed.
6. 15x8 inch racing style rims are allowed. Rim offsets MUST match on all four rims. **NO** 1 inch offset rims. **NO** Beadlocks. **NO** wheel spacers.