



## **Sunflowers of Sanborn Mini Stocks Rules**

### **Mini Stock Front Wheel Drive Rules**

VEHICLES ALLOWED FOR COMPETITION: Any front wheel drive 4 cylinder midsize, compact or subcompact unibody cars ONLY. Not Allowed: convertibles, station wagons, two seat sports cars, 4 wheel drive or all-wheel drive vehicles or rotary engines.

The term "Stock" means that the item/part must have been a standard item/part on the MAKE and MODEL of the vehicle being driven as a racecar. This also includes aftermarket replacement direct fit, direct replacement part that meets size/weight/material/design/function requirements as if factory produced.

Just because the O.E.M. company that manufactured the vehicle manufactures a part does NOT mean the part is legal. The part must have been available on the specific vehicle being used for competition.

- No modifications, No racing parts, No limited production factory race cars or components.
- No interchanging (hybrid) of any item including but not limited to engine, transmission, electronics, suspension, steering, brakes, etc and their individual components.

- All identification and serial Numbers must be present and legible. Vehicle/Components may be deemed illegal for competition if they are missing or appear to have been tampered with.

### **SAFETY REQUIREMENTS:**

- Aluminum Racing Seat mounted to roll cage with a minimum of 6 grade 8- 3/8 bolts.
- 5 Point Seat Belt mounted to roll cage w/recommended fasteners or wrap around style.
- Seat belt cannot be more than 5 years old.
- Driver's side window net w/quick release is mandatory.
- Master Battery shut off mandatory and must be mounted on left side of dash within reach of safety crew and driver. Electric Fuel pump must turn off with switch also
- Window Net Release and Shut Offs must be clearly marked.
- Helmet and Fire Protection to follow standard track rules.
- **RACEIVERS will be mandatory. Frequency 454.000.**

**ROLLBARS:** Must have complete 4 point roll cage (6 point highly recommended), installed in a professional manner with a min. 1 ½" .095 wall steel tubing. Must have 3 door bars on driver's side (4 highly recommended) and two door bars on passenger's side. Front hoop will be allowed.

**REINFORCEMENTS:** Front and rear hoops permitted with min. 1 ½ x .095 round tubing. Front hoop is intended to replace upper radiator support and upper frame rails and should follow same. Tubing must be 1 continuous tube and welded to the front of the front strut towers (rear of rear strut towers). 2 down tubes each allowed from upper tube to lower frame rails. Rollcage or 2x2 tubing allowed to connect front and rear lower frame rails together in driver compartment along floor.

**Strut Braces:** OEM or aftermarket are permitted for front and rear. Bolt on, nonadjustable ONLY and must bolt to upper strut mounts/no welding. No other reinforcing or modifications allowed to suspension or mounting areas.

**BODY:** All body panels must remain stock. Some sheet metal will be allowed for repairs. Cars should remain as close to stock appearing as possible. **(Aftermarket nose/tail pieces allowed. Any nose piece used must be conformed to fit at reasonable and near-factory dimensions)**. Must have stock floor pan and complete stock trunk floor. No removing of inner structure. Trunk floor may be trimmed for fuel cell installation only.

- Outer door panel skins of same gauge sheet metal are permitted to allow for door bars but MUST have 4 bars on driver's side. Doors must be welded, chained or bolted shut.
- Sunroof and firewall holes must be covered with at least same gauge sheet metal with rivets, bolts or welding. Engine/fuel area must be sealed off from driver.
- Hoods and trunks must be secured w/2 safety pins each when using hinges or 4 without hinges. No hood scoops.
- Glass must be removed and screen placed in windshield area with 2 support rods.
- Exterior door bars permitted with 1" x 1" square tubing. All exterior tubing must be tight to the body and securely fastened. Ends must be welded closed without any sharp edges. Front and rear tow chain loops are mandatory.

**FUEL TANK/CELL:** Stock fuel tank permitted as long as it is ahead of rear axle and must be securely fastened with at least 2 straps (additional is recommended). Racing fuel cell is allowed. Max. 12 gallon cell must be mounted in a safe manner. Must have protection loop behind fuel cell and must be protected front, rear and bottom with minimum 18 gauge steel and be a minimum of 12" from the ground.

**SUSPENSION and STEERING:** Must have stock suspension and steering components. All control arms, trailing arms, pivot points and axles must be in stock position. All cross members must be stock position, no slotting of holes or repositioning of cross members to alter the wheel base or change angle of control arms and trailing arms.

Wheel base must be stock for that make/model car. Wheel base **MUST** be square within a 1/2" tolerance on both sides. Tracking of cars will be strictly enforced!

No modifications to any steering or suspension components. No limiting of suspension travel. Only Steel Body Non Adjustable Shocks Permitted. Maximum new cost of \$100 per shock or strut. No re-valving or rebuildable shocks

- 3/4" positive or negative camber maximum allowed at any wheel.
- Spring rubbers permitted.
- Polyurethane bushings allowed that meet size/weight/design and function.

**WHEELS and TIRES:** 13" – 16" stock steel, aluminum and Aftermarket Racing Wheels Permitted. Maximum wheel width seven inches (Measured inside of bead to inside of bead). Rim diameter must match rt to lt. Any D.O.T . 8" maximum width . No LT, tractor, snow, mud or studded tires allowed. NO WHEEL SPACERS. \*\*\* The Only Legal Racing Tire on a 15" rim will be the Hoosier 36106 & 36104 and American Racer 7 inch 44 compound #jp5kjsd44. No other Racing Tire will be allowed on a 15" Rim. \*\*\* Maximum wheel offset 2". No 13" racing tires

**ENGINE:** Engine and components must remain stock as manufactured. No turbochargers, superchargers, nitrous, etc.

- No racing parts allowed
- No decking of block
- Stock flat top or dished pistons only
- Must have stock compression or less
- Max. 60 over bore allowed
- Pistons may not come above block deck (except Toyota laser block)
- Stock crank
- No light weight pistons or rods and no forged pistons must be stock
- Sand blasting, bead blasting, acid dipping, porting, polishing and welding are prohibited.
- Heads will be pulled to check bore, stroke and machining. Minimum amounts for cleanup will be allowed. Tech decision will be final.
- Only composite OEM head gaskets allowed. No thin metal or copper shim type allowed.
- No roller rockers, unless stock OEM. Only stock cam followers/lifters, or push rods.
- Stock fuel injection system, fuel pump and fuel pressure regulator. No modifications.
- K&N filters allowed must be in stock location. No air induction or other devices to direct air. Cold air kits allowed

- Intake and throttle bodies must be stock OEM with no modifications.
- Headers allowed but will have a \$200 (new) maximum that can be spent on them. Stock manifolds are allowed.

**Electronics:** Stock only! This includes computers, ECU, PCM, ignition, sensors, wiring, etc. No ignition boxes or addition of any other component allowed. No backup components or modifications of any kind. ALDL connection and all electronics must be fully functional, accessible to tech and out of reach of driver.

**DRIVETRAIN:** transmissions, differentials, flywheels and torque converters must remain stock. No lightening. Clutch and pressure plate must be Stock. A 1" hole in bell housing in line with clutch mandatory. Transmission must have ALL working gears. No light weight driveshafts. Cars may have locked differentials.

**WEIGHT:** Minimum weight is 2500 lbs. 3 or 4 valves per cylinder engines must add 100 lbs.

- Track officials reserve the right to make adjustments to weight and at any time including placement. Weight must be located in trunk floor area and bolted with a minimum of (2) ½ inch bolts. All added weight must be painted white and include car #. Any racecar will be disqualified if weight falls off. Removal of mud will be at the discretion of the tech inspector.

**Dominant Car Equalization:** After two feature wins, a minimum of 50 pounds may be added to current weight and with every subsequent win, 25 pounds must be added. Speedway may add weight to any car at anytime. This rule is at track discretion and may be implemented at any time.

**EXHAUST:** Exhaust recommended to exit behind driver and mufflers are mandatory! Maximum exhaust size is 2.5" OD. Stock manifolds or stock headers allowed. Exhaust must not run through the interior of the car.

**BRAKES:** Stock as manufactured brake system. All 4 brakes must work at all times. No modifications or addition of line locks, adjusters or check valves.

## **Mini Stock Rear Wheel Drive Rules**

### **#1 – Body**

1.1 STOCK APPEARING BODIES ONLY! Can buy aftermarket body packages from 5 star Bodies or Performance Bodies or make your own bodies from steel or aluminum will be legal.

1.2 Rear body must be closed in.

1.3 Any 4 cylinder Rear Wheel Drive front engine Car.

1.4 Minimum weight 2500 lbs. with driver.

1.5 Recommend to tie front frame to rear of car with 2×2 and attach roll cage to 2×2 but not mandatory.

1.6 Must have complete 4 point cage installed in professional matter 1 1/2" .095 tubing min 3 door bars on drivers side. 6 point cage with 4 driver and 3 passenger side door bars strongly recommended.

1.8 Aluminum racing seat and 5 point harness mandatory! Seat must be attached to roll cage with at least 6 Grade 8 3/8 bolts. Belts must not be older than 5 years and properly attached to roll cage.

1.9 12 gal max racing fuel cell STRONGLY recommended. If running stock fuel tank must have steel skid plate and be securely mounted.



## **#2 – Front / Rear Suspension**

2.1 Chassis must retain stock type suspension. NO adjustable spring pockets allowed

2.2 Wheel base must be stock for that make/model car. Wheel base MUST be square within a 1/2" tolerance on both sides.

2.2.1 Tracking of cars will be strictly enforced!

2.3 Only Steel Body Non Adjustable Shocks Permitted. Maximum new cost of \$100 per shock or strut.

2.4 No rebuildable or re-valving of shocks at all!

## **#3 – Engine**

3.1 Engine must remain stock as manufactured. DOHC engines are allowed. No Rotary Motors Allowed

3.2 No turbo chargers, only naturally aspirated motors.

3.3 Must be same engine for make.

3.4 No strokers.

3.5 Block may be bored up to .060

3.6 Maximum of 2.5 liter. Crank and Rods must remain OEM.

3.7 Any valve, cams and rockers. Porting permitted to Head ONLY!

3.8 Stock intake no machine work to be done on intake.

3.9 No high performance ignitions or ignition boxes. OEM only.

3.10 Stock carburetors, stock fuel injected or stock Holley 2 barrel 4412 or 4412s carburetors must pass track tech inspection tools.

3.11 Site plug optional in oil pan on drivers side of oil pan, towards the front of pan, 3 to 6 inches back OR be prepared to pull oil pan.

3.12 Headers allowed but will have a \$200 (new) maximum that can be spent on them. Stock manifolds are allowed.

3.13 OEM 12volt ignition systems only.

#### **#4 – Transmission, bell housing, drives shaft**

**DRIVETRAIN: transmissions, differentials, flywheels and torque converters must remain stock. No lightening. Clutch and pressure plate must be Stock. A 1" hole in bell housing in line with clutch mandatory. Transmission must have ALL working gears. No light weight driveshafts. Cars may have locked differentials.**

4.1 Front and rear hoops strongly suggested.

## **#5 – Brakes**

5.1 4 wheel brakes must work at all times.

5.2 NO Emergency Brakes Allowed

## **#6 – Tires and Wheels**

6.1 Steel racing wheels 7" wide.

6.2 Hoosier, American racing or any dot passenger tire allowed. NO snows, No 13" racing tires

6.3 \*\*\* The only Racing Tires allowed on a 15" Rim will be the Hoosier 36106M & 36104M and American Racer 7 inch, 44 compound #jp5kjsd44. No other racing tire will be permitted on 15" Rims. \*\*\*  
NO WHEEL SPACERS. Maximum 2" wheel offset.  
NO WISSOTA TIRES/ No softs

## **#7 – Other**

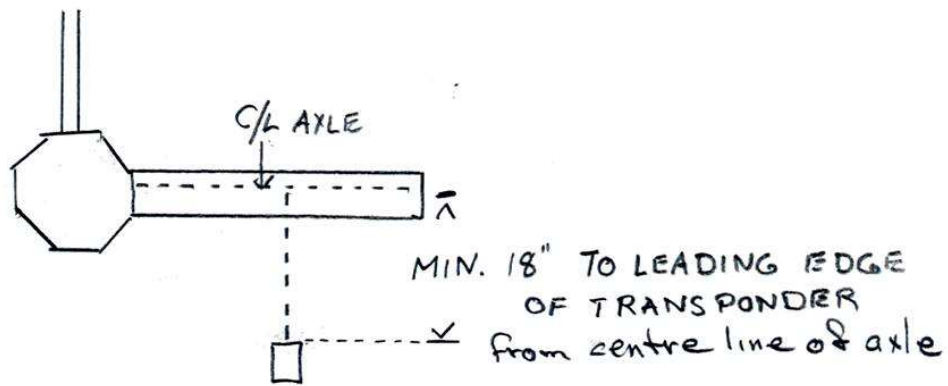
7.1 EXHAUST: Exhaust recommended to exit behind driver and mufflers are mandatory! Maximum exhaust size is 2.5" OD. Stock manifolds or stock headers allowed. Exhaust must not run through the interior of the car.

NOTE: While the above rules offer a good outline, not everything can be covered by a written rule. If a car has a part that no one else has, and its not mentioned in the rules, its not assumed legal. Ask first. If you want to run anything not covered contact the track office (raceransomville@gmail.com) if you don't ask and anything is found it will automatically be ruled illegal. Any item found illegal will be confiscated!

### **TRANSPONDER location FWD and RWD:**

- Right Rear 18” Behind Center of Rear Axle.
- If Hole needs to be cut in the body of the car it must be 8” in diameter and the tip of the transponder must extend just below the opening.
- All transponders should be mounted no higher than 2’ off the ground on the proper brackets.
- DO NOT wrap wire or any metal material around transponder to assist in secure placement on bracket.
- Plastic tie wraps or cable ties are OK.

# TOP VIEW



# SIDE VIEW

