

# Auto City Speedway 2023

## STREET STOCKS

(STREET STOCK - FACTORY STOCK)

**This class will run on the ½ mile track**

The word "Stock" means unaltered and as originally produced. O.E.M. equipment only unless otherwise noted, subject to track approval. **Unless the rules specifically allow it, it is not allowed.** Speedway officials reserve the right to adjust rules i.e., weight, spoiler, carburetor etc. as needed for competition and safety.

### COMPETING MODELS

- A. Standard size American made sedans, coupes & Trucks (2 or 4 door type)
- B. All cars or trucks must be stock, production car or truck body based.
- C. You MUST declare the year, make and model of your chassis when registering so officials may inspect your car properly for wheelbase and other factors.

### BODIES

- A. All cars or trucks must be stock, production car or truck body based.
- B. All nose and tail pieces will be mounted in a stock fashion. The same thing goes for the material joining the fenders to the nose piece.
- C. A 1981 aftermarket Camaro nose piece can be run on a full stock Camaro. A stock appearing truck nose on a truck.
- D. Exception: Camaro Gen 2 All cars with stock appearing bodies will be allowed 6"X60" flat spoiler centered. Spoiler must be made of clear material.
- E. All truck bodies require a back window, a flat tonneau cover up to the top of the bed and have a minimum rake on the bed.
- F. 6X60 SPOILER ALLOWED ON STOCK APPEARING BODIES. BODIES WITH MASSAGED AERO TRICKS SUBJECT TO PENALTY - LINE K.
- G. All Street stocks will retain windshield posts which will be steel or fiberglass.
- H. NO wrap around windshields of any kind.
- I. NO stretching the pillars to achieve more roof or windshield angles. Roof and windshields are to remain close to OEM measurements.
- J. Install the bodies level and to original look. Template/Aftermarket bodies must be original design, not extended hood, modified right side deck ledge variations
- K. Weight penalties or the no spoiler policy may be assessed for bodies built outside of the stock appearing rules, as deemed by officials. It is permissible to be semi-creative with a street stock body, however, the front, the rear, the roof and windshield angles must be relatively close to matching that car body.
- L. NO mixing or matching of car bodies from front to rear. GM to GM ok.
- M. Rear quarter panels must remain relatively close to that of stock body measurements.

## **2023 Factory/Street Stocks (continued)**

- N.** NO cars will have any extra rake built into their bodies from front to rear.
- O.** No body panels or nose piece will be lower than 4" off the ground, measured with the driver in the car.
- P.** Rub rails are allowed with NO sharp edges, and smooth fasteners must be used.
- Q.** A lexan windshield is mandatory.
- R.** NO rear window (except required on truck bodies) or front side window panels.
- S.** Opera windows are permissible.
- T.** We recommend three bars in your windshield as an additional safety measure.
- U.** ABC Template AND New Design Camaro bodies will be permitted with approval of track officials. Add 100 Pound

### **BUMPERS**

- A.** Bumpers may be reinforced but may not extend beyond grill.
- B.** Bumpers MUST have two tether chains bolted to frame.
- C.** Wrecker loops required (chain) front and rear.
- D.** No sharp corners. Rounded corners only: if it can cut a tire, it can't compete!
- E.** Bumper must be at least 3" tall with bottom 15" from ground, minimum.

### **BRAKES**

Four-wheel hydraulic brakes mandatory, in good working order. Stock-type single piston disc brakes allowed. Aftermarket brake calipers are allowed. Aftermarket brake pedals and master cylinders are allowed.

### **CARBURETOR and INTAKE**

- A.** The carburetor will be a box stock 4412 2-barrel carburetor with a maximum 1" store bought adapter/spacer. If you run a gauge legal 4412, you may run at 100 lb. reduced weight of 3000lbs. You must have your base weight written on the upper right-hand portion of your windshield. A Holley or quadrajet type 4 barrel is allowed. Car must weigh minimum of 3100lbs with 4bbl option
- B.** Cast iron or aluminum intake manifolds allowed. No cutting, welding, porting or polishing of any kind. 1" maximum adapter allowed.
- B.** Air box allowed. Any filter allowed.

## **2023 Factory/Street Stocks (continued)**

### **CAR NUMBERS**

- A. Must appear on both doors 18" high with a 2" stroke minimum.
- B. Drivers name must appear over both doors.
- C. Car number must appear on upper right hand corner of wind shield, 6" tall.
- D. For scoring purposes, no duplicate numbers allowed. Registered drivers will have use of that number, first come-first served. Subsequent drivers with same number will have to change number as needed.

### **DRIVE SHAFT**

- A. Steel drive shaft only.
- B. Must be painted white.
- C. A metal strap is to be located in the forward 1/3 of the drive shaft to prevent it from dropping to the track.

### **ELECTRICAL**

- A. Battery may not be in driver's compartment and must be securely cross strapped, with a min. of two 1" metal straps. Batteries must be located as far away from fuel cell as car design will allow.
- B. Stock, 12-volt system only.
- C. HEI style ignition only, NO MSD adjustable/ programmable style. **EXCEPTION: MSD8362-167 is allowed & MSD6al allowed.**
- D. Battery disconnect switch behind driver seat or near front A-pillar is mandatory, within easy reach of safety crews.

### **ENGINE**

- A. Engines must be stock appearing, all cast iron block and 23-degree heads in stock location. Any cam allowed due to parts scarcity.
- B. No hydraulic roller or solid roller assemblies allowed.
- C. Roller rockers and stud girdles are allowed.
- D. No shaft type rockers allowed on GM or Ford products.
- E. Solid lifters OK. Must use stock lifter bore size for make of engine.
- F. 1" engine setback maximum, measured at upper ball joint centerline. No tolerance.

### **EXHAUST**

- A. Dual exhaust is permitted.
- B. Mufflers are MANDATORY 97db maximum.
- C. Conventional down-turn headers or stock exhaust manifolds only. Step headers are allowed.
- D. Exhaust must exit behind the driver and remain within and underneath the body and be directed downward and rearward toward track. No part of the exhaust system may pass through the driver's compartment.
- E. 3" maximum exhaust tubing.
- F. No leaks in the exhaust system allowed.

## 2023 Factory/Street Stocks (continued)

### **FIRE SAFETY - See General Rules**

#### **FRAMES**

- A. Frame must be stock OEM originating type to rear axle centerline.
- B. No fabricated tube chassis of any kind.
- C. Stock frame may be shortened to match min. wheelbase rule (105").
- D. Notching frame for fuel pump, ok.
- E. Custom or after-market motor mounts, OK.
- F. Any frame alteration may incur a weight penalty, to be determined by track officials.
- G. Slider boxes allowed.

#### **FUEL CELL**

- A. Fuel cells are mandatory with an 8" minimum ground clearance.
- B. A fuel cell guard behind the cell with two braces is required.
- C. No electric fuel pump or pressurized tanks allowed.
- D. A plate guard in front of the fuel cell is suggested.
- E. Any plating of the frame around the fuel cell is permissible.
- F. An Oberg style fuel check valve in the fuel line is suggested.
- G. Fuel lines may not pass-through driver's compartment.

#### **GLASS**

- A. All glass must be removed.
- B. Windshield must be replaced with Lexan 1/8" or thicker.
- C. No boxing-in of side windows.
- D. If rear window is used, it must be in stock position and be stock appearing and must be made of 1/8" Lexan.

#### **MIRRORS**

No mirrors or communication devices allowed.

#### **RADIATOR**

- A. Only 1 radiator is permitted.
- B. Must be stock type, in stock position. Aluminum radiators, ok.
- C. Body may not be altered to accommodate radiator.
- D. Must have a 1-gallon catch can for overflow or overflow tube at right side of windshield in clear view of officials.
- E. Radiator protection, ok. Must be behind the grill.
- F. NO ANTIFREEZE. Minimum 2-week suspension if caught.
- G. 3" x 24" air dam is permitted.

## **2023 Factory/Street Stocks (continued)**

### **REAR ENDS**

- A.** Stock style OEM rear ends only, four link or leaf spring suspension only. A 9" Ford is permissible with a four link or leaf spring mount.
- B.** Posi-traction, locked, or welded rear ends, ok.
- C.** NO CAMBERED SNOUT, CLOCKABLE SNOUT REAR AXLES. NO CROWNED AXLES. NO CAMBERED REAR AXLES.
- D.** No quick-change rear ends or aluminum components allowed.

### **ROLL CAGE**

- A.** 4-point roll cage is mandatory with 1 3/4" OD by .095" wall tubing.
- B.** Minimum of 3 door-bars required.
- C.** 1/8" steel door plate. 24" x 24" min. on driver's side and 12" x 18" kick plate to protect driver's legs, mandatory.
- D.** Front and rear hoops highly recommended.
- E.** Roll bars must be padded around the drivers head.
- F.** An approved window net with a quick release is mandatory.
- G.** 1/8" x 18" x 36" steel floor plate under driver is highly recommended.

### **SUSPENSION and SHOCKS**

- A.** Minimum frame height off the ground will be 4" with driver in car.
- B.** Rear trailing arms can be OEM or manufactured. Adjustable Heims are permissible, however, the frame mounts and the end mounts will remain stock and in the stock location. All trailing arm lengths must be within 1" of stock trailing arm for that car. All remaining suspension parts will remain stock and in the stock location and be mounted in the stock angle except for the front shocks which can be mounted outboard.
- C.** NO bump stops of any kind.
- D.** Screw jacks allowed.
- E.** Howe center links allowed.
- F.** Rear springs and shocks must be stock appearing and in stock location.
- G.** Heims end are allowed only on shock ends, rear trailing arms and in place of front tie rod ends.
- H.** Stock style sway bars. Threaded adjustments on the A-frame are permissible.
- I.** Aftermarket tubular upper A-frames are allowed. A-frames will have stock style ball joints.
- J.** Upper A-frame mounts may be modified within 1" of stock location.
- K.** All shocks will be steel and NON-ADJUSTABLE.
- L.** NO canister shocks of any kind. **M.** NO Schrader valves of any kind.
- N.** NO coil binding.

## **2023 Factory/Street Stocks (continued)**

- O. All shocks will be nationally advertised shock and will not exceed a list price of \$145 per shock.
- P. NO three link suspension. NO PANHARD, WATTS LINK, JBAR SUSPENSION.
- Q. NO TUBULAR FRONT SPINDLES
- H. **Maximum tread width - 78", measured at spindle centerline.**
- I. Stock OEM style gearbox. NO rack and pinion steering components.

### **TIRES AND WHEELS**

- A. **Hoosier F70 Series only.**
- B. 8" maximum steel wheels only / 1" lug nuts are required.
- C. Tires must be powdered inside with baby powder.
- D. NO SOAKING OF ANY KIND. If caught, min. of 4-week suspension and \$500 fine / with loss of points to date.
- E. NO ALTERING TREAD FACE OF TIRE IN ANYWAY.

### **TRANSMISSION**

- A. OEM automatic or standard transmission, inexpensive racing transmissions are allowed i.e. Burt, Brin, Falcon.
- B. If racing transmission other than power glide or th350/400 ADD 50lbs.
- C. TEX or other high dollar transmissions designed to shift on restart are not Allowed!
- D. NO DIRECT DRIVE TRANSMISSIONS, PERIOD.

### **WEIGHT**

1. Base weight: **3100 lbs.** minimum, with driver, **before qualifying or race.**
2. Cars not exceeding 2" OD exhaust tubing may deduct 100 lbs.
3. 58% left side weight with the driver in car. Leaf spring cars-56%.
4. 50% maximum rear weight with driver BEFORE RACE.
5. All weight measurements are performed with the driver in the car, race-ready, before the event. Cars will be "off limits" to crews during weighing process.
6. Lead only may be used for ballast. All weight must be painted white with car number in contrasting color. Any weight found not painted white, with car number, will be disqualified. Weights will be anchored with (2) ½" dia. bolts minimum and may not be mounted below frame rails.

### **WHEELBASE**

**105" minimum** - Wheelbase must match make, model and year of manufacture - No cars allowed with wheelbase less than 105"

### **GENERAL RULING**

**All participants are subject to inspection at ANYTIME during an event. Officials reserve the right to change, alter, modify or remove any rule to level the field of competition.**

Auto City Speedway  
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