



11.14.2023

## 2024 STREET STOCK DIVISION RULES

(Modifications and additions are indicated in **Red** – if rules are printed in color)

**NOTE: Thunder Road reserves the right to alter rules in the best interest of competition. Weights and rules may be adjusted up or down to ensure the best racing experience for competitors and fans.**

### Car & Body Specifications

1. Any American made hard top sedan or liftback up to and **including** model year 2000 with wheelbase of 87" to 104" inclusive and **must be within 1" Left to Right**. **NOTE: Citation, Skylark, Olds Omega, Pontiac Phoenix, Chevrolet Cavalier allowed.** No sports cars. If in question, contact ACT Tech Inspector. Ford Mustang/Mercury Capri cars will be allowed to use cam with hydraulic lifters maximum intake and exhaust valve lift to be .442".

**NO LEAF SPRING CARS. 1994 or newer 3<sup>rd</sup> generation Mustangs will not be allowed.**

<u>Make</u>	<u>Motor</u>	<u>Minimum Total Weight with Driver</u>	<u>Maximum Left Side Weight % with Driver</u>
Ford Mustang Mercury Capri Rear Wheel Drive	2.3 litre stock, except cam must use hydraulic lifters maximum intake and exhaust valve lift to be .442"	2300 lbs.	54%
Ford Escort Mercury Lynx Front Wheel Drive	1.6 litre or 1.9 litre engine must be stock only <i>for year, make &amp; model</i>	<b>2300 lbs.</b>	<b>52%</b>
Ford Tempo Mercury Topaz Front Wheel Drive	2.3 litre HSC engine must be stock only <i>for year, make &amp; model</i>	2350 lbs.	51%
Dodge Front Wheel Drive	2.2 litre engine must be stock only <i>for year, make &amp; model</i>	2400 lbs.	52%
Chevy Cavalier <u>Pontiac Sunfire</u> Front Wheel Drive	2.0 litre or 2.2 litre engine must be stock only <i>for year, make &amp; model</i>	2350 lbs.	<b>52%</b>
Pontiac Grand Am Pontiac Sunfire	2.4 litre engine must be stock only <i>for year, make &amp; model</i>	<b>2350 lbs.</b>	<b>51%</b>
Dodge Neon	2.0 litre D.O.H.C. engine must be stock only <i>for year, make &amp; model</i>	2350 lbs.	<b>52%</b>

.030 MAXIMUM OVERBORE TO COMPENSATE FOR WEAR ALLOWED. MUST USE STOCK REPLACEMENT PISTONS.

Any 16 valve, D.O.H.C. cars will be allowed, minimum wheelbase of 87” to a maximum of 104”.

**Maximum engine size 1.6 liter allowed.**

**NO variable valve timing type motors allowed.**

Starting weight: 2350 lbs. Maximum left side weight with driver: 50%

**ALL OTHER CURRENT ACT STREET STOCK RULES APPLY.**

***ANY MOTOR WITH OVER 150 HP WILL CARRY MINIMUM WEIGHT 2,500LBS., 50% LEFT SIDE WEIGHT. WEIGHTS MAY BE ADJUSTED AT ANY TIME DURING ANY EVENT.***

Weights Subject to Change Without Notice

2. a. Stock bodies. **No altering of any sort.** Lowest point of the chassis of the car allowed is 6 inches, ***including cross members and side skirts measured with driver in car. 5” rear spoiler allowed.***
  - b. **Absolutely no gutting of any panels except Hood, Trunk and Doors.**
3. Reinforcement bars may be positioned on either inside or outside of struts BUT NOT BOTH, and MAY NOT BE USED AS RUB RAILS.
4. No tubing of frames allowed. ***The “WRC Automotive” front clip is approved for Mustang, made of .083 tubing. All sway bars must remain in stock location.***

**Contact: WRC Automotive LLC – 802-685-4544 – email: wrcautomotive@yahoo.com.**
5. All glass except windshield must be removed with doors securely bolted or welded shut.
6. All struts and shocks must be in working order with equal rebound or may be considered illegal and result in disqualification and/or other penalties at the judgment of official in charge. ***NO SPRING RUBBERS ALLOWED. Any spring allowed. No altering of chassis or suspension to fit springs to chassis. Coil binding will not be allowed.***
7. a. Stock body parts or manufactured body parts of make and year run, ***Minimum 20-gauge tin - NO ALUMINUM.***

Exception: Speedway Racing Bodies or Five Star make a plastic nosepiece and tail for Mustangs which has been approved for use by ACT Street Stock sanctioned events. **AR Bodies also makes a plastic nosepiece (part # - PN 25005Rx & part # - PN 25005Lx) for Mustangs which has also been approved for use by ACT.**

b. Five Star manufactured body package # 915-101S is approved for use in ACT Street Stock sanctioned events and **must be used in its entirety.** ***NO fiberglass hoods allowed.***
  - c. **Aftermarket Nose and Tail bumper covers may be used. If used, must be for make and model of car (Mustang to Mustang, Cavalier to Cavalier, etc.)**
8. All 4 stock brakes must work.

9. Battery must be under hood and securely fastened. It can be mounted to right front firewall.
10. All cars will be weighed with drivers (no substitutes).
11. Minimum two quick release hood pins for hood and trunk and must remain hinged.

### **Transmission/Suspension**

1. If drive shaft runs from motor in front to rear end in rear, it must have two 360<sup>o</sup> drive shaft loops made of 1/4" x 2" steel. Drive shaft must be painted white.
2. No alterations of flywheels, clutch, or rear ends. All components from stock issue, including stock springs and shocks. Gear ratio must remain stock. Automatic transmissions allowed.
3. Neoprene bushings will be allowed. ***All engine mounts must remain stock for make and model.***
4. Sway bar must be stock, 1" maximum allowed, sway bar links must be equal length left to right.
5. All suspension parts must remain stock OEM for make and model, unless otherwise specified in rules. All steering components must remain stock for make and model.
6. ***The right rear hub on the front wheel drive G.M. type cars MUST use 1989-91 Dodge Caravan hub and bearing assembly or if using stock wheel bearings a one piece wheel spacer will be mandatory and may be purchased at track (see tech inspector).***

### **Tires & Wheels**

1. A track tire will be required in **2024**.
2. Stock steel wheel or "aftermarket" 7" wide with **no less than** 3 1/2" back space to **no more than** 4" back space. Stock steel wheels or "aftermarket" 7" wide with 3 1/2" back space allowed on all 4 wheels.
3. Stock steel wheel must be reinforced on right front. (NOTE: if you are not sure how to properly reinforce the center section of a wheel, check with an ACT tech inspector.)
4. One-inch (1") lug nuts mandatory on all wheels.
5. After market safety wheel bearing will be allowed on right front.
6. One (1) piece 1/8<sup>th</sup> right rear (RR) wheel spacer will be allowed on Front Wheel Drive cars only.
7. **NO ALTERING OF TIRES.**
8. Maximum camber on right front for rear wheel drive will measure 1 inch maximum from tech gauge. Maximum camber on right front for front wheel drive option will measure 3/4 inch maximum from tech gauge. Maximum left front camber allowed 1" inch on rear wheel drive car. Any front wheel drive car is 1/2" inch maximum.

All cars must maintain 0° rear caster. **Front wheel drive cars will be allowed ¼ inch camber on right rear.** Camber may be adjusted by inspectors in the interest of safety and *competition*.

9. No relief valves (bleeders) allowed.
10. Recommended right side tire pressure: Maximum 35 psi – 40 psi absolute  
Recommended left side tire pressure: Minimum 15 psi – 14 psi absolute

### **Safety**

1. **Minimum 8-gallon fuel cell**, securely fastened in trunk, centered with PVC valve on vent line. A firewall must separate fuel cell from driver's compartment. *Fuel cell may not be lower than 12" from bottom of cell to ground.*  
**- NOTE: Trunk may be cut open to allow Fuel Cell to be lowered to minimum 12" ground clearance but must have protection hoop behind and trunk must remain paned-in around the cell**
2. Full racing type cage mounted or braced to frame rail or plates connecting all four uprights to unibody required. Four curved bars in driver's door, three bars in passenger door. The driver's side rocker panel under the door bars must be mounted in safety. It may be mounted inside, above frame, tying the two driver's side roll cage posts together. All stress points must have gussets. A horizontal bar is required between the two front uprights at dashboard level. (See diagram). Minimum size of roll cage tubing shall be of 1-1/2" .095 wall thickness.  
**Full roll cage mandatory. Four uprights joined together at top, plus an "X" between rear of the back uprights. A horizontal bar between the two front uprights at dashboard level is required. A support for headrest or seatback extending to support back of head is mandatory. Splash guard is required behind head and shoulders. Also, on unibody cars, a plate or other approved method must be used to anchor cage to body.**
3. **Floor board must remain stock – Patching is allowed.**
4. Aluminum racing seat only, connected to roll cage in original position.
5. All cars **must** have aircraft type seat belts and shoulder harness.
6. An approved driver's window screen required. It must be attached at top and bottom front by seat belt locking device on 3/8" steel rod, top and bottom, or spring lock type allowed.
7. It is mandatory that a fire extinguisher with working sight gauge be attached within reach of driver and accessible to driver when strapped in. Extinguisher must be located in center of car so that it can be reached by safety crew from both left and right side. (No taping).
8. All cars must have safety cut-off switch on driver's right-side crossbar. Must be within reach of the driver and accessible to safety crews from both sides of car.
9. Center of steering wheel must be padded. Rear seat cushions must be removed, rear seat shelf must remain as fire stop, *minimum 20-gauge tin*. (All flammable materials should be removed from car). **No aluminum interior will be allowed.**
10. Driver's fire-retardant suits are highly recommended and **FIRE-RESISTANT GLOVES ARE MANDATORY**. The following are suggestions to aid in your safety: goggles, fire retardant socks, undergarments, racing type helmets - DOT or SNELL approved.

11. **All lead weight must be painted white with car number clearly identified *and mounted in approved location*. No lead allowed beyond the center line of front or rear axles.**
12. Only one (1) aftermarket rear view mirror allowed, centered to windshield. **A 3” spot mirror is optional; it cannot extend beyond the “A” pillar.**

### **Engine**

1. Stock (4 cylinder only) engine for make year and model. No racing or sports car parts. No turbo-charged engines. **NO DODGE SHELBY'S OR GLH MOTORS - NO HIGH OUTPUT MOTORS.**
2. Stock cast iron exhaust manifold with 2" maximum *inside* diameter outlet from end to end at right side of car behind driver area. **NO HEADERS ALLOWED.**
3. Stock ignition. **E.C.M. can be confiscated at any time by track tech inspector.**
4. Must have radiator overflow tank.
5. Electric fans may be used.
6. **Must have air cleaner with element. *No cold air intake systems allowed*. Aftermarket air filter may be used with 3” flexible air hose to filter.**
7. **NO ANTIFREEZE - if found in violation you will be fined.**
8. **2.3 Mustang option ONLY. A Schoenfield header part #F238V will be allowed stock out of box and MUST remain a 2-inch exhaust directly after header, NO EXCEPTIONS.**

**STOCK or OEM replacement pistons allowed for make and model**

**Keith Black pistons part # KB217/KB217-010/KB217-020/KB217-030/KB217-040**

***Wiseco piston #K120A3/K120A4 allowed.***

**Boring of cylinders allowed to .040 max.**

**STOCK connecting rods only allowed.**

**STOCK crankshafts only (no lightened or performance balanced cranks allowed)**

**Camshafts allowed other than STOCK will have max intake and exhaust lift of .442 max.**

**Any resurfacing of cylinder heads must have shim to bring back to tolerance. I.E. clean .010 from head .010 shim must be used.**

**Minimum cylinder head deck height 3.760” measured from valve cover rail to bottom of deck. .006” piston to engine block deck height.**

**Any measurement below .006” must be compensated with proper shim or gasket. .055”**

minimum head gasket thickness. Cometic head gaskets allowed.

NO high out put performance parts will be allowed unless stated in rules.  
Only STOCK carburetors or fuel injection systems allowed.

**Mustangs Allowed Webber 38/38 DGES Replacement Carburetor**

**Any violation of these rules will result in penalties according to the ACT penalties and procedures manual.**

### **Miscellaneous**

1. **Driver must purchase ACT Street Stock driver license** and must present proof of issuance of license. Only licensed members will be allowed in pits at reduced fee.
2. **NO SCANNERS OR RADIOS ALLOWED.**
3. **Any competitor wishing to participate in purse or point fund payouts must display ACT issued decals as required throughout the season.**
4. A Race Receiver is mandatory to race.

### **Numbers**

1. Numbers will be assigned on the driver's license.
2. Numbers will be at least 18 inches high and three inches wide NEATLY lettered. It is recommended that all numbers be as large as possible to facilitate scoring. Numbers must be in contrast to car body color. There will be numbers on each side of the car. There will be a number on the roof lettered to be readable from the scoring booth (on the right-hand side of the car). **A block style number is REQUIRED on right (passenger side) front windshield to read head-on for scoring and to aid in the line-up.** Metallic numbers are not allowed.

**IT IS THE RESPONSIBILITY OF THE COMPETITOR TO OBTAIN AND BECOME FAMILIAR WITH THE CURRENT RULES PERTAINING TO THE DIVISION IN WHICH HE/SHE CHOOSES TO PARTICIPATE.**

**ANY ITEM NOT COVERED IN THE ACT RULES SECTION MUST BE STOCK OR APPROVED IN WRITING BY ACT OFFICE. IF ANY ITEM BEING CONSIDERED BY COMPETITOR IN THIS DIVISION IS NOT ADDRESSED IN THESE RULES, COMPETITOR IS REQUIRED TO CONTACT ACT FOR A JUDGEMENT AS TO ACCEPTABILITY.**

The rules and/or regulations set forth herein are designed to provide for the orderly conduct of racing events and to establish minimum acceptable requirements for such events. These rules shall govern the condition of all events, and by participating in these events all participants are deemed to have obtained, read, and understood a copy of the current rules, and complied with these rules. **NO EXPRESS OR IMPLIED WARRANTY OF SAFETY SHALL RESULT FROM PUBLICATION OF OR COMPLIANCE WITH THESE RULES AND/OR REGULATIONS.** They are intended as a guide for the conduct of the sport and are in no way a guarantee against injury or death to a participant, spectator, or official.

**EIRI 111423**



**Administrative Office**

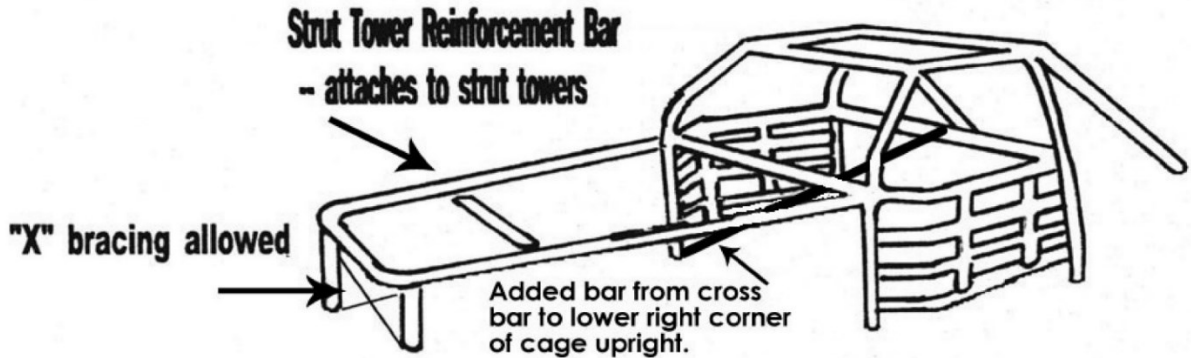
Telephone: 802-244-6963

E-Mail: media@acttour.com

**For Technical questions:**

Telephone: 802-673-8408

Email: knights7177@gmail.com

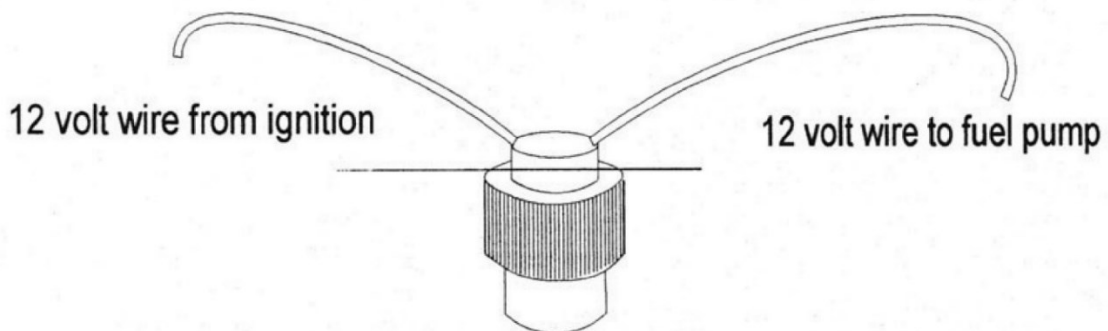


**NOTE: No additional reinforced bars allowed.**

# Cage Configuration

Additional support of one piece of angle iron may be added to reinforce front snout. One piece on the left, one piece on the right from front of strut forward.

## ELECTRIC FUEL PUMP PRESSURE SWITCH DETAIL



7 psi (approximately) oil pressure switch

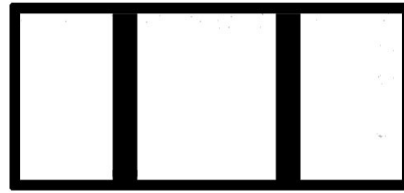
When engine hits 7 psi oil pressure, switch makes contact and supplies power to fuel pump



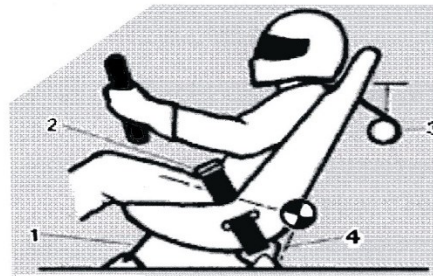
# Fuel Cell Protector



side view



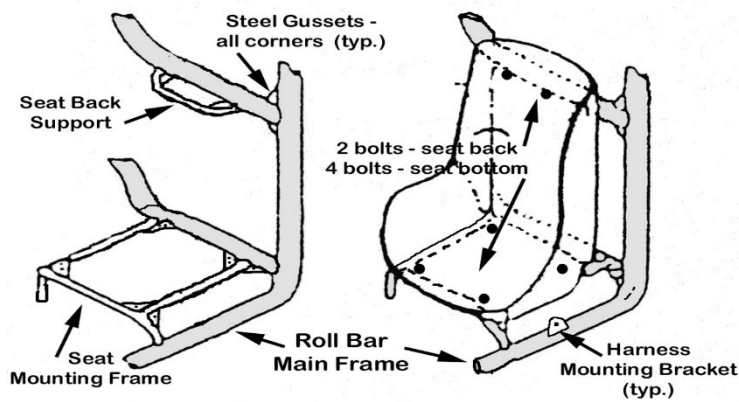
back view



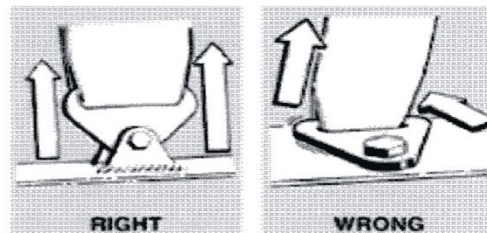
**FIGURE 2**

Recommended installation for seat / belts -

- 1) Anti-submarine belt should be anchored behind the chest line.
  - 2) Seat belts anchored apart, the width of driver, at an angle of 45 degrees to the floor of the car.
  - 3) Anchor shoulder straps at a point four inches below top of shoulder.
  - 4) Seat belt anchor should be positioned 2-1/2" forward of the driver's extended back line.
- All mounting brackets should be attached directly to the frame or chassis of car, and installed to limit the driver's body travel both upward and forward. **DO NOT MOUNT TO THE SHEET METAL FLOORBOARD.**



**Basic Seat Installation**



**FIGURE 3 & 4**

Mounting brackets should be installed at an angle that is compatible with the direction of pull on the webbing under full load.

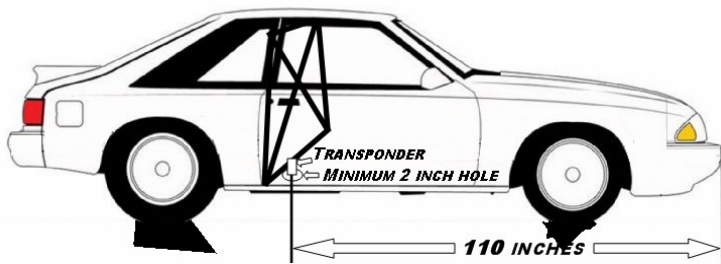
Minimum specification for bolts and washers to attach the seat belts, harnesses and anti-submarine belt hardware are Grade 8.



## STREET STOCK TRANSPONDER MOUNTING LOCATION

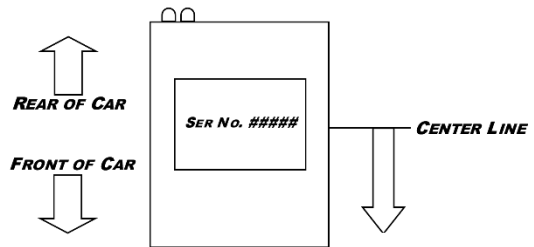
The transponder must be mounted in compliance with the diagrams provided below. It must be mounted 110" from the most forward part of the front bumper to the center of the transponder. The transponder must be attached to the roll bar "X" in roll cage or a mounting bracket off the "X" to accomplish the 110" measurement. It must be at the lowest point possible and centered through a minimum 2" hole in the floorboard. Transponder must be mounted in a direct horizontal plane (see diagram #2) to the ground with label side down and lights point towards the front or rear of the car.

Mounting brackets may vary depending on car make/model, but the distance from the forward most part of the front bumper to the center of the transponder must be 110" and bracket must be mounted off "X" in roll cage.

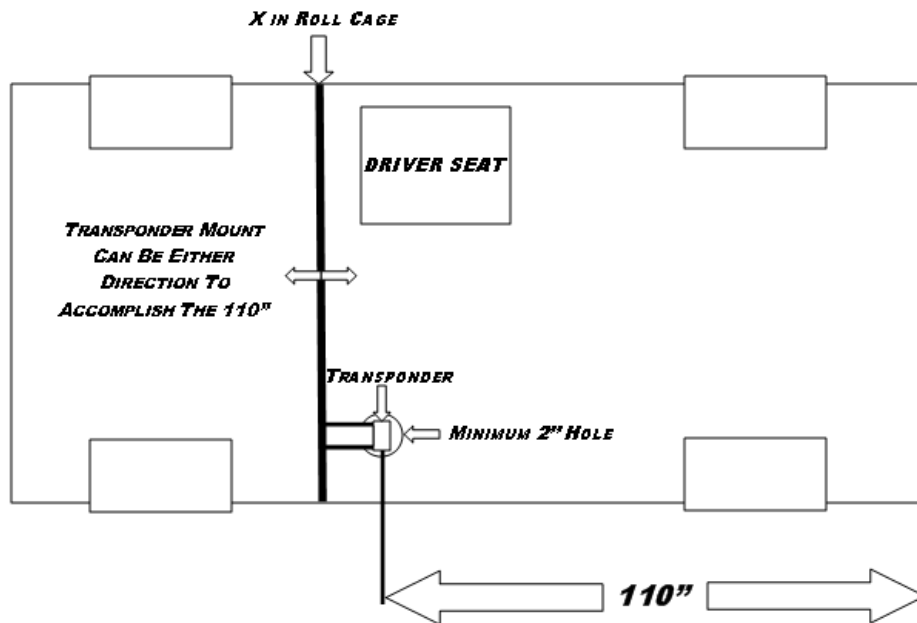


**DIAGRAM #1**

### **VIEW OF TRANSPONDER AS SEEN FROM TRACK SURFACE**



**DIAGRAM #2**



**DIAGRAM #3**