



8655 Piper Rd, Punta Gorda, FL 33982

## 2022 THUNDER TRUCK RULES

**Full size pickups only. No El Camino's, Rancheros, S-10, or small rangers.**

**\*\*Fire suit, helmet, racing gloves, shoes, aluminum or carbon fiber racing seat, 5 point racing seat belts, window net, and head & neck restraint are all mandatory. Must be 2019 or newer – dates must be present and legible\*\***

Weight: 3300 lbs min weight. 56% cross max. Add 50lbs for headers - **3350 lbs min weight**

### Body:

1. Truck must be stock. No modifications or alterations of any kind allowed. Skirts permitted – skirts must be 6" (same as frame height). Doors and tailgates must be secured and in place.
2. Interior parts can be removed. All openings in firewall must be sealed. Driver must be protected at all times.
3. Driver's door bars must be extended to outer panel to allow for safety space between driver and bars. Passenger door may be gutted for bar clearance only.
4. All exterior moldings, lights, and trim must be removed.
5. Hood may be gutted with no holes. No air boxes allowed.
6. Front inner panels may be removed. Outer fenders may be trimmed for tire, must remain stock appearing – may not "look" altered
7. Must have minimum of 1/2 windshield, **Lexan only** - no glass, wire, or plexi glass - must not be broken or cracked. No rear windows of any kind are allowed.
8. All doors must be bolted or welded shut. Driver's door must be in place at all times.
9. Bumpers must be stock, and can be reinforced from behind. Tow loops required at both front and rear.
10. Side rub rails accepted one per side. Maximum 1-inch square tubing mounted flush to body. No sharp ends. May be welded or bolted with 3/8 inch carriage bolts.
11. All trucks with enclosed front ends and bumpers are required to have a hook or chain loop device, to allow hooking by a tractor or wrecker, capable of supporting the weight of the vehicle when lifted. This procedure must be capable of being carried out without raising the hood. If a wrecker comes to tow you and you do not have a cable you will be disqualified for the night. No points, No money
12. Factory firewall and floorboards to remain in stock location and must be 100% sealed

### Brakes:

1. Stock factory brakes, calipers, and rotors only
2. Clutch pedal in stock location only. Hydraulic clutch allowed in factory pedal location.
3. All 4 brakes must work – No bias control of any type permitted

### Roll Cage

1. Seat must be mounted to roll cage in stock position. No offsets
2. Full 4 post roll cage with at least three driver's side door bars required. Two door bars are required on passenger side. Bracing can be placed form roll cage through back window to truck frame.
3. Front radiator loops are allowed. 1 3/4" O.D loop roll cage okay.

### Chassis and Suspension

1. "Ford" can bend right or left front axle for camber.
2. "Chevy" can replace upper A-frame mounting bolts with longer bolts for max camber. Must be factory length. A-Frame must remain in stock location and remain stock OEM for make/ model of truck
3. OEM and factory springs only. Springs may not be cut, must be equal height. Must be equal from left to right, while vehicle sitting flush on ground with no driver or crew inside vehicle
4. Truck must have 6" ride height

5. Rear leaf springs may not be arched and/or de-arched but must have same number of leaf's on both sides. Adjustable shackles acceptable. May cut out bed and leaf springs may go through bed to lower trucks to allow for 6" ride height.
6. No racing shocks. Factory shocks only. Shocks must be mounted in stock location. "Top" end of shock may not be relocated.
7. No racing springs allowed - *None: front or rear*
8. Right front upper control arm may be modified for maximum castor camber, for Chevrolet only. Extended bolts allowed. Ford only, can bend left or right to achieve maximum caster camber

## Drive Train

1. Rear end may be locked or opened.
2. Stock manufactured manual or automatic transmission must be in working condition. Automatics must use stock converter.
3. Must have all working gears from factory
4. Engine must be in stock location for make and model. Mounts may be solid or made of light weight material.
5. Stock manufactured clutch, pressure plate, and flywheel assembly required - must be stock diameter: 14lbs flywheel, 10" clutch & pressure plate. No aluminum components allowed.

## Tires and Wheels

1. Spoke or racing wheels allowed.
2. Wheels may be no wider than 8 inches. Any offset across 4 wheels is allowed
3. 4-17 SSE takeoffs are required (9" slicks) - new American Racer slicks can be purchased - but only at 4-17 SSE  
Min air PSI requirements at start of race: Left side 15lbs, Right side 26lbs
4. If new tires are purchased, you must show receipt and must notify 4-17 SSE official. A minimum of 50 laps recorded on transponder in practice prior to race day feature. 50 laps of practice MUST be documented by 4-17 SSE transponders
5. Overall width of truck from outside of tires: Tire to tire no to exceed 80" total – both front and rear max width 80"

## Fuel

1. Only track approved fuel allowed. No additives of any kind will be allowed. No E85 or alcohol allowed. ***E87 (or higher), Sunoco 101 or 110 racing fuel only***
2. Fuel cell mandatory, and must be located in bed of truck with maximum 22 gallons. No electric fuel pumps allowed.
3. Fuel cells may be mounted through floor bed. The depth of half of the overall height and must be minimum of 10 inches off the ground with protection bars.
4. No boat tanks or non-approved fuel cells (4-17 SSE tech has final approval on cells)

## Engine

1. Stock GM, Ford, and Mopar V-8's that were available from factory only
2. Camshaft .450" lift hydraulic max.
3. Intake manifold unmodified stock cast iron or aluminum (p#7101) only. Block can be bored .040 over +.010. 500 cfm 4412 Holly, 1 inch adapter plate. Carburetor claimer applies. \$25.00 and new 4412 unopened box. Must have double return springs.
4. Distributor- stock single point or electronic only with OEM coil.
5. Stock oil pans only - Must have inspection hole in oil pan for crank/ rod inspection
6. Radiators- any type that will fit under hood with 1 gallon overflow pan.
7. Static compression ratio- what is stated in Chilton book for the motor you have.
8. After market aluminum and/or steel pulley allowed.
9. Poly locks allowed
10. 1.5 roller rockers
11. Any steel head for GM. No bowtie or aluminum heads

## Exhaust

1. Cast iron exhaust manifolds or headers only. Add 50lbs for headers
2. Mufflers are mandatory. Pipes must exit past driver's compartment.
3. Exhaust pipes up to 3" outside diameter are permitted

## Miscellaneous

1. Ballast may be added. Must be securely tied down and covered.
2. Window net and fire extinguisher are mandatory on all Southern Stock V8 Trucks
3. Safety fuel and battery shut off valve within driver's reach is mandatory.
4. No Mirrors are allowed
5. **Raceceivers are required**

**6. Radios are NOT allowed**

This is a protest division. Refer to General Rules for Protest fees. PROTEST MUST BE SUBMITTED IN WRITING AND FEES PAID TO TECH WITHIN 10 MINUTES OF RACE COMPLETION (NO EXCEPTION). Must finish on the lead lap. Tech discretion

**The track reserves the right to add weight at its discretion for the fairness of competition.**

**\*\*If these rules do not say you can do it then don't do it! All interpretations by the Tech man are final. You are responsible to know the tech man's position on all rules. Refer to the General & safety rules for more information and requirements\*\***