

East Texas RC Crawlers

2018 Official Scale Rock Crawling Competition Rules

Some Changes to the Rules for 2018, we are still following mostly SORRCA rules but have a few changes that will be in **RED** below. Some deletions were also made so you are encouraged to read all the rules.

General Vehicle Details

You are encouraged to go above and beyond to make your truck as scale as possible. Vehicles must resemble a real 1:1 rig.

Changes for ETXRCC in Class 1 for 2018

1. Teching a Rig for Scale Points will only be done for Class 1, there will be no scale points counted in the scoring for Class 2 and Class 3.
2. Class 1 Changes
 - Bumpers must be bolted to the chassis
 - Only C Channel chassis qualify for Class 1
 - Tires up to 4.2 inches will be allowed (same as last year)
 - Scale Items SORRCA qualified with maximum of 40 Points counted at Tech
 - Mandatory Scale Items
 - * Windshield Wipers
 - * Side View Mirror or Mirrors (at least one on the drivers side).
 - * Interior 3d or 2d
 - * Driver (do not require full body can be waist up (molded drivers are OK)
 - * Tow strap
 - * Fire Extinguisher
 - * First Aid Kit
 - * Wheel Hubs or Door Handles
3. Class 2 and 3 Changes: Even though there is no Scale Points used in scoring for Class 2 and 3 we are however doing Scale Comping so there is a minimum of 6 scale points required for Classes 2 and 3. Three of them must be Non Functional Scale Accessories the other 3 can be what ever is on the Tech Sheet.
4. If an Items falls off the Rig it must be replaced and will receive a +3 point penalty. If you cannot re-secure it you will receive an on course or off course repair penalty. (you Start with it you Finish with it) **THIS IS FOR ALL THREE CLASSES**

Tire modification:

Class-1 Street: No external tire modification is allowed.

Class-2 Trail: Tire lugs may be removed, siped, grooved and/or trimmed.

Class-3 Modified: Tire modifications are permitted, as long as the tire is no larger than 5.91" in diameter measured off the vehicle laying on its side, and all tire parts are from a legal scale tire.

- Multi axle vehicles allowed in all classes and may use more than one front steering axle (front axles are considered any axles forward of the centerline of the skid), rear steer only allowed in modified class, C3.
- Rear steering(RS) or dig is allowed in modified class only, C3 (you must choose 1 per course).
- No "Motor On Axle" (MOA) of any kind. All motors, transmissions, and other electronics (other than steering servos) must be chassis or frame mounted. Your axles must be driven by one transmission or transfer case and a minimum of two drive shafts (except CC-01, TA-02, etc) No separate throttle control of drive shafts or axles.
- There are no wheel size distinctions. For example, you can run a 1.55, 1.9, 2.0 or 2.2 rim in any class. Wheels larger than 2.2 are not allowed in any class and no short course style wheels with split diameters.
- Spare tires must be within 1/4" diameter of your drive tires to receive points.
- No knuckle weights of any kind
- Any functional recovery tools you wish to use during your run, you must carry it on your rig at all times. IE tow strap, pull pal, and sand ladders.
- Winching can only be performed off of natural objects (*i.e. trees, rocks, etc...*), other vehicles, or stakes supplied by the course builder. Winching off of a person such as their shoe or hand is not allowed.
- All vehicles should have the motor, transmission, and electronics covered and hidden when viewed from the top and sides. Batteries must be chassis mounted and should be hidden from view.
- Courses will be tough and made to push the scale vehicle's limits. This is to encourage competitors to improve their rigs from one event to another.
- Winches are **HIGHLY** recommended!!!! Expect to use a winch.

Tires should be scale appearing, if it is questionable have it reviewed before the event, or plan to run a different tire. As new competition specific tires are released this list may be updated.

Class Descriptions:

Class-1 "Street"

Description - A street legal off-road vehicle that you would drive to work or the trail head and outfit like an expedition vehicle such as the Camel Trophy truck D90 rigs.

Class-2 "Trail"

Description - A stock vehicle that has been modified to become a capable trail rated rig and is not necessarily street legal.

Class-3 "Modified"

Description - An off-road vehicle that you would build from the ground up and might see in a TTC/KOH type competition.

Class-1 “Street” Details:

- Vehicle must have a windshield that fills the entire windshield frame.
- Full width bumpers are required on the front and rear of the vehicle.
- Wheels must be aligned within the body wheel wells (center of wheels to center of wheel wells +/- 1/2 inch total combined)
- The vehicles body must be mostly intact. Only mild trimming such as flairs & removing a hardtop are allowed. If the hardtop is removed, a full interior is required (no extreme trimming of bodies allowed *See below.)
- The tread of the tires cannot extend outside of the wheel wells more than 1/2 of the tread width, flairs can be added to reach min. spec.
- Vehicle must run a full length rail chassis (The rail chassis must be as long as the vehicles wheelbase) (Tamiya CC-01 chassis are allowed).
- Truggies are not allowed, flatbeds with full length rail chassis are allowed. The bed must be as wide as the cab the entire length of the bed. Cab only not allowed.
- Tires can never extend beyond the body’s bumpers or the rear of any truck bed. (Any stingers, fairleads, shackles, bolts, etc. are not considered part of a bumper when determining this.)
- Dovetailing is not allowed.
- Sectioning or narrowing of the body is not allowed.
- Bobbing a truck bed is allowed, but must follow all body specs.
- Boat sides are not allowed.
- 107mm / 4.20" Max tire size including spares.
- Gates will be a minimum of 11" wide (so mind your width).

Class-2 “Trail” Details:

- 121mm / 4.76" max tire size with a 2.2 max rim size including spare.
- Body/cage work must be at least 4.5" tall (including boat sides) and the inside of the front tires cannot extend outside of the width of the cab at the doors.
- A front bumper is required and must be mounted to the vehicle's rail chassis and must be wider than the outside of the chassis rails (chassis cross rails do not count as bumpers).
- You must run a full rail chassis, and the chassis (including bumpers) must be 3" longer than the wheelbase (this includes a chassis with a truggy rear frame).
- Truggies are allowed, but you must replace the ladder frame behind the cab with tube, and the truggy rails must extend past the rear axle pumpkin to be legal. The bed must have a roll bar hoop and integrated shock mounts. It also must be a structural part of the rear of the vehicle. *(If your bed does not meet ALL of the preceding criteria, it does not count as a truggy bed).*

- Flatbeds that run the full length of the rail chassis are allowed. The bed must be as wide as the cab to at least behind the rear tires, and may only taper in a maximum of 1" per side from the overall width of the bed.
- 2 of the 3 following modifications are allowed:
 - Dovetailing the rear **a truggy/tube bed that is narrower than the cab counts as a dovetail** (1/2 the width of the widest part of the cab).
 - Boat sides (*no more than 1.25" measured vertically from the bottom of the skid*).
 - Pinching the front (2/3 the width of the widest part of the cab).
- Gates will be a minimum of 12" wide (so mind your width).

Class-3 “Modified” Details:

- 151mm / 5.95" max tire size with a 2.2 max rim size (including spare).
- A bumper is not required, but to be counted for points it must be mounted to the vehicle's chassis and wider than the chassis rails (*chassis cross rails do not count as bumpers*).
- Gates will be a minimum of 14" wide.
- Class 3 body minimum specs:
Rock sliders, mirrors, etc. do not count in these measurements:
 - The distance between the inside of the tires (of any axle) can be no greater than 1.25" more than the width of the body at the doors.
**Example* (7" inside-of-tire to inside-of-tire = body must be 5.75" wide) [?] The body must be at least 5" wide from the front to the rear of the doors.*
 - Tire height can be no more than 0.5" taller than cab height. Height is measured from the bottom of the skid to the top of the bodywork/tube not including a light bar.
**Example*(5.5" tire = 5" tall from bottom of skid to top of cab/tube work) [?] Body must be at least as long as the wheelbase of the vehicle.*
 - Body modifications including, but not limited to, pinched front, dovetailing and boat-siding are permitted as long as the final dimensions comply with the minimum size rules.