



SLRCP
2019 Rulebook
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R/C Truck 'n' Tractor Pull Series

Event Format

- The purpose of the SLRCP is to promote radio controlled truck and tractor pulling and to provide the rules and assistance to members and affiliated clubs.
- Sanctioned events will run under the SLRCP name and feature truck and tractor pulling on a prepped track. The goal of the SLRCP is to replicate truck and tractor pulling currently found today. All attempts will be made to keep the rules fair and equal for all participants.
- Events can be held indoors or outdoors, and will feature a scaled down track layouts from what is being used today.

Pulling Track Layout Guide

- All vehicles will be electric powered, except for outdoor Unlimited Class events.

General Rules

These Rules shall cover all classes of pullers, unless specifically noted.

- All vehicles covered in this rulebook shall be radio controlled 1/12 or 1/10 scale cars, trucks or tractors and will have a body to resemble a car, truck, tractor or other full size vehicles. Vehicles must run in classes according to their factory production vehicles classification; i.e. 2wd factory production vehicle runs in 2wd classes, 4wd factory production vehicles run in 4wd classes. The following classes are limited to run factory production vehicles only: Stock, Super Stock, and Modified. 2wd and 4wd classes complete separately. Specifications for both 2wd and 4wd in each class appear on their respective pages of this rulebook. Differentials may be locked and ball bearings are acceptable in all classes.
- All classes are subject to any combination of pre and post competition inspection with weigh in. Each vehicle must pass through tech and if found illegal, that vehicle is disqualified for the round.
- (Track Official Inspection) Vehicle may be inspected at any time by the head track official if suspected of a violation. Anyone refusing to submit the vehicle in question for inspection will be disqualified from the event and forfeit entry fees. If inspection is regarding specific motor or component and disassembly is required, the head track official must first notify the Event Competition Committee for further review. After the review the owner of the motor or component in question must first provide proof of the legality to the Competition Committee. If the owner is unable to provide proof, the SLRCP will ask the owner at that time to disassemble the component in question. If the owner refuses request of disassembly, the vehicle in question will be disqualified. After inspection if the component is found to be legal per current rules, the SLRCP will refund the cost of the component in question if warranted. Refund not to exceed current market value, not manufactures suggested retail price. The ruling of the head track official is FINAL.
- Ties will be broken by adding weight to the sled and re-pulling. This will be left up to the host club or Event Director. This will be announced at the driver meeting.

- There cannot be a protest against the Head Track official or their staff. Any complaints must be filed with the Competition Committee. The decisions of the Head Track Official and or Competition Committee Director are FINAL and cannot be overruled.
- Any participant may request an inspection of a vehicle in his/her class, but ONLY if suspected of a rule violation. Participant must register a written complaint with the Competition Committee along with a \$30.00 protest fee in cash. The owner of the vehicle in question will be notified of the complaint by a Competition Committee member. At that time the vehicle will be placed in impound. If disassembly is required the owner will do any disassembly of their vehicle under the supervision of the Competition committee. If the vehicle in question is found to be legal, the owner of the vehicle will receive the protest fee. If the vehicle in question is found to be illegal the protest will be returned to the person filing the protest and the vehicle would be disqualified from the event and the owner would forfeit entry fees. The decision of the Competition Director is FINAL.
- No metal or fiber spikes, tire chains or foreign material is to be attached in any manner to or injected into tires. Liquid or chemical tire compounds are not permitted in any class.
- All weights must be firmly attached. External weights must be of scale appearance and proportionate to that vehicle size. Weights may not extend more than ½" past either edge of the body. Vehicles using a scale tractor body may exceed the width limit but no weights are to exceed the vehicles width. Weights may not exceed 3" in height. Weight bar and/or weights must have a minimum of ¼" ground clearance when set on a table. All four wheels must contact the table surface. All motors and non-scale appearing weights must be located under the body of the vehicle. Battery must be concealed and shall be placed in a fashion, so it cannot be seen from either side, front, rear or top of vehicle. The body may be cut to allow for wheel openings, exhaust, starter drive access and for clearance of oversized motor housings. Custom work is allowed, unless it is listed differently in the class rules all dimensions include all the vehicle components as it is to be competed with.
- Any production R/C vehicle shall be reviewed by the SLRCP and approved for a particular class based on their review.
- Experimental vehicles not specifically addressed by this rulebook are permitted to compete as exhibition only. The decision to allow these vehicles to compete in their own class is left up to the host club.
- No automatic transmissions or transmissions that shift while in motion are allowed.
- There will be no verbal or physical abuse directed towards any track officials, tech staff, or Competition Committee members by competitors or other officials. There will be no verbal or physical abuse towards any competitor by any officials or other competitors. No alcohol, tobacco or drugs are allowed in the event area during competition hours. Anyone found to be soliciting drugs or alcohol to minors will be asked to leave. You will be disqualified from the event without refund, NO EXCEPTIONS. This will be decided by the event officials, Competition Committee, and/or the Executive Board.
- External propellers and or fan blades may not be used to cool motors in any class. Small blower assemblies will be permitted if mounted securely to the vehicle and properly encased.
- No walking with the vehicle, the driver must stand in one spot anywhere along the track. Pivoting to the right and left is permitted. You may not stand on the track surface. Violation of this rule will result in disqualification for the round. The enforcement of this will be up to the event director. Exceptions may be granted for physical disability (i.e. vision) or building interference.
- No truck maximum per person per class. This will be left up to the host club or the Event Director and announce prior to the event.

- Pulling vehicles can enter multiple classes. A single chassis cannot register in one class more than once. Entry fees must be paid per entered class and vehicle must meet all specific class rules.
- All members will be expected to help in any way if asked at events if physically capable.
- No teching of bush hoods on any motor (lay down or standup) during tech inspections. The exception to this is during special inspections such as those in general rules 3 and 6. During these inspections the brush hoods may be disassembled and inspected to prove legality.
- A minimum of three (3) entries per class must be pre-registered and pre-paid, at least (4) weeks prior to the Finals in order to purchase awards for said class. All exhibition classes will be awarded plaques instead of trophies at the Finals, unless the class is sponsored.
- You may not tech your own vehicle or measure its distance in pulling.
- All competition coursed and/or tracks must be set up in a safe manner. This is for the safety of the participants, spectators, building & vehicles. If there is a track malfunction you can be awarded another run determined by the head track official you must run again immediately with no modifications.
- Motor and battery rules are set and in each class description.
- Pulling Track Layout Guide

Pulling Rules

- The first puller, in round one only, in every class can decline the pull. Every puller has the option to restart his/her pull if he/she stops before the front of the sled reaches the 10 foot default line on the track in every round except the pull-offs. If this option is taken you must re-hook immediately, with no vehicle adjustments, only driving adjustments. You will be allowed two minutes to start your pull once the Track Official calls you to the track. The exception to the two minute limit is if the participant is required at another track. If your vehicle does not make it off the line, you will have the opportunity to make vehicle adjustments on or off the track. When pre-tech is used, if you make any changes to the vehicle, the vehicle must have re-inspection by tech officials before second attempt is made. If vehicle leaves the track surface for repairs, you will be rotated down in the field and if you are the last puller you will have five minutes to return or you will be disqualified for that round. The repair procedure will be announced at the drivers meeting.
- The order of pullers in each class may be determined by the order of registration. Random drawings at the event is preferred. This is up to the host club or Event Director.
- Start and finish of each pull shall be determined by an official starter using an audible or visual signal such as whistle, flags, and lights. The type of signal will be announced at the drivers meeting.
- Sleds are not allowed to lockup before the finish line. The pull chain will be 8" long and attached to the center of the skid plate no higher than $\frac{3}{4}$ " above the track surface. The length of the pull chain is measured from the skid plate to the inside of the hook. No twisting of the chain is permitted. Distance pulled will be considered the distance the sled is pulled down the track. All sleds will have an indelible mark in which to measure to. The mark will be on the center of the front of the skid plate. This point will be known as the "zero" point. The front of the sled skid plate is "front" of the measurement point. The distance can be measured using the front of the skid or may be measured using the back of the sled as long as the zero point is known when the front of the skid plate is on the starting line.
- If the pulling sled malfunctions at any time during a pull, that pull will be null and void. The participants will be allowed to recharge the batteries and re-pull at a time determined by the track officials. Sled malfunctions will only be determined by the track officials.
- If any item falls off of the vehicle, the vehicle flips over backwards or sideways, the vehicle will be stopped at that point, if the sled passes the vehicle's part on the track the measurement

with a 12 inch penalty will apply from the spot where the part lies. This is up to the host club or Event Director and will be announced at the drivers meeting.

- The vehicle will be disqualified if any part of the vehicle touches the out of bounds marks (or wall) before the full pull mark (30ft). Out of bounds is only measured to the full pull mark (30ft).
- Intentional jerking of the pulling sled will disqualify the vehicle for that round. Intentional jerking will be determined by the Head Track Official.
- A 30 second time limit is to be imposed for the length of time to complete a pull from start of signal. If a vehicle has not completed the distance or has been stopped by the sled prior to the 30 seconds, it will be signaled to stop. A measurement will be taken from that point. If a vehicle restarts according to the Pulling rule number one, the clock will be reset and started again at the signal.
- The only persons allowed in the track area once the vehicle has started its pull shall be the driver and Track Official. No assistance is permitted, either verbally or through hand signals in the direction of the vehicle. Pit crew will be allowed to assist with the vehicle in the hooking, unhooking, turning on, turning off, and adjustments only. This shall include helping the driver prepare the vehicle to make its run especially in the larger classes, which are more dangerous, The Pit Crew must leave the track prior to the pull starting. Any violations will be determined by the Track Official. Participants with disabilities and children under ten will be an exception to this rule.

Pulling Classes

Digger

2WD Box Stock

2WD Truck 7lbs

Sportsman

2WD Pro Modified 10lbs

Garden Tractor

Pro Stock Tractor

Heavy Super Stock Tractor

4wd Street Stock

4wd Crawler

4wd Work Stock

4wd Pro Modified 7lbs

4wd Pro Modified 10lbs

4wd Pro Modified 12lbs

4wd Box Stock

Retro Clodbuster

Retro Modbuster

DIGGER

Weight 3lbs.

Motor Limit 540 can

Drive 2wd

Length stock

Battery 2s lipo

Motor:

Maximum of one 540 can R/C motor (brushed or brushless).

Battery:

Maximum of 2s Lipo or 6-cell NiCd 7.2 Volt. Battery shall be placed in a fashion, so that is cannot be seen from either side, front rear or top of vehicle.

Chassis:

Must be in stock configuration. Parts may be missing. Holes may be drilled for mounts only. All unused non-factory holes must be filled with epoxy as to maintain factory weight. Aluminum hubs allowed.

Tires:

Rear tires are to be a maximum 3 1/2" diameter and a maximum of 2" wide. Front tires are to be a maximum of 2 1/2", the stock tire size. The minimum front tire size is 1 3/8".

Weight:

Maximum vehicle weight is 3 lbs.

Dimensions:

Maximum vehicle width is 9 inches.

Wheelbase:

Wheelbase is 8 inches and stock for this vehicle.

Hitch:

Hitch is the wheelie bar. Rollers may be added for horizontal adjustment. The aluminum bar may be replaced with a plastic bar.

Body:

Factory replacement Body or Any 1/12 scale body. The body is to be the furthest item forward.

Others:

The spur gear shall be no larger than a 64 tooth 32 pitch. The pinion gear shall be no smaller than a 6 tooth 32 pitch.

2WD Box Stock

Weight 6lbs.

Motor Limit any R/C motor

Drive 2wd

Length 19 inches

Battery 2s lipo

Motor:

Maximum of one R/C motor (brushed or brushless).

Battery:

Maximum of 2s Lipo or 6-cell NiCd 7.2 Volt.

Chassis:

Any factory production 2WD R/C vehicle is allowed (factory production R/C pulling vehicles are not permitted). No pinion gear or other gear changes allowed. No additional gears or gearboxes are permitted. No modification of gear cases are permitted. Bearings are allowed (vehicle only). Suspension must remain original for that vehicle and cannot be locked.

Differentials must be original for that vehicle and cannot be locked. No "aftermarket" differentials will be permitted.

Tires:

Tires must be original size for that vehicle. Any tread type will be permitted. Tires may not be cut. Dual wheels are not permitted. Tire chains, added spikes, pins, etc. are not permitted.

Weight:

Maximum vehicle weight is 6 lbs. All counterweights must be under body.

Dimensions:

Maximum vehicle length of 19 inches. Maximum vehicle width is 13 inches. Dimensions include all parts, body, hitch, etc. of the pulling vehicle. Length and width must be stock for that vehicle.

Wheelbase:

Wheelbase must be stock for that vehicle.

Hitch:

Maximum hitch height of 2 inches. The hitch must be mounted in such a way as not to permit any movement. Adjustable hitches are allowed but must be locked when pulling.

Body:

Any scale appearing body allowed.

Others:

2WD Truck

Weight 7lbs.

Motor Limit any R/C motor

Drive 2wd

Length 19 inches

Battery 2s lipo

Motor:

Maximum of one R/C motor (brushed or brushless).

Battery:

Maximum of 2s Lipo or 6-cell NiCd 7.2 Volt. Battery shall be placed in a fashion, so that it cannot be seen from either side, front rear or top of vehicle.

Chassis:

May be scratch built or a combination of kit components. May be built with any of the following: Steel, aluminum, fiberglass or plastic.

Tires:

Rear tires are to be Tamiya "Wild Willies, Lunchbox, or Midnight Pumpkin" type tires only.

Front tires are to be a minimum of 2 1/4" in diameter.

Weight:

Maximum vehicle weight is 7 lbs.

Dimensions:

Maximum vehicle length of 19 inches. Maximum vehicle width is 9 inches. The furthest point forward from the centerline of rear axle shall be no further than 15 inches.

Wheelbase:

Maximum wheelbase of 11 1/2".

Hitch:

Maximum hitch height of 2 inches.

Body:

Must use a truck, van or car body only. All components must be under the body. Front tires must be in wheel opening.

Others:

Sportsman

Weight 10lbs.

Motor Limit any R/C motor

Drive 2wd

Length 24 inches

Battery 2s lipo

Motor:

Maximum of one R/C motor (brushed or brushless).

Battery:

Maximum of 2s Lipo or 6-cell NiCd 7.2 Volt. Battery shall be placed in a fashion, so that it cannot be seen from either side, front rear or top of vehicle.

Chassis:

May be scratch built or a combination of kit components. May be built with any of the following: Steel, aluminum, fiberglass or plastic.

Tires:

Maximum rear tire diameter is 7 inches and a minimum diameter of 3 inches. Maximum rear width is 4.5 inches. Minimum front tire diameter is 2 inches. "V" bar tread tires only, tires maybe cut.

Weight:

Maximum vehicle weight is 10 lbs.

Dimensions:

Maximum vehicle length of 24 inches. Maximum vehicle width for vehicles is 16 inches.

Hitch:

Maximum hitch height of 4 inches.

Others:

2WD Pro Modified

Weight

Motor Limit

Drive

Length

Battery

10 lbs.

Any R/C motor

2WD

18 inches

3s Lipo

Motor:

Maximum of one R/C motor (brushed or brushless).

Battery:

Maximum of 3s Lipo or 7-cell NiCd 11.1 Volt. Battery shall be placed in a fashion, so that is cannot be seen from either side, front rear or top of vehicle.

Chassis:

May be scratch built or a combination of kit components. May be built with any of the following: Steel, aluminum, fiberglass or plastic.

Tires:

Maximum rear tire diameter is 5 1/2 inches. Maximum rear width is 3 1/4 inches. Minimum front tire diameter is 2 inches.

Weight:

Maximum vehicle weight is 10 lbs.

Dimensions:

Maximum vehicle length of 18 inches. This is to be measured from the center of the axle to the most forward part of the vehicle.

Wheelbase:

Maximum wheelbase of 12 1/2".

Hitch:

Maximum hitch height of 4 inches.

Body:

Must use a truck, van or car body only. All components must be under the body. Front tires must be in wheel opening.

Others:

Garden Tractor

Weight

Motor Limit

Drive

Length

Battery

4 lbs.

Any R/C motor

2WD

12 inches

2s Lipo

Motor:

Maximum of one R/C motor (brushed or brushless).

Battery:

Maximum of 2s Lipo or 6-cell NiCd 7.2 Volt. Battery shall be placed in a fashion, so that is cannot be seen from either side, front rear or top of vehicle.

Chassis:

May be scratch built or a combination of kit components. May be built with any of the following: Steel, aluminum, fiberglass or plastic.

Tires:

Maximum rear tire diameter is 4 inches. Minimum tire diameter is 2 1/2 inches. Maximum tire width is 2 3/4 inches. Minimum tire width is 1 3/4. Minimum front tire diameter of 1 inch.

Tires must be rubber "v" bar tread type. Cutting of tires is allowed. TLT truck tires are allowed.

Weight:

Maximum vehicle weight is 4 lbs.

Dimensions:

Maximum vehicle length of 12 inches. Length is measured from the rearmost part of hitch to the furthest point forward.

Wheelbase:

Maximum wheelbase of 9".

Hitch:

Maximum hitch height of 4 inches.

Body:

Will have the appearance of a scale stock or modified garden tractor.

Wheelie Bar:

Vehicle may have wheelie bars. The wheelie bars may not extend more than 2 inches past the rearmost portion of the hitch. Wheels may be replaced with skid pads.

Others:

A maximum of one gear drop. This is the drop from the motor pinion to the rear axle spur gears.

Pro Stock Tractor

Weight

Motor Limit

Drive

Length

Battery

10 lbs.

Any R/C motor

2WD

19 inches

2s Lipo

Motor:

Maximum of one R/C motor (brushed or brushless).

Battery:

Maximum of 2s Lipo or 6-cell NiCd 7.2 Volt. Battery shall be placed in a fashion, so that is cannot be seen from either side, front rear or top of tractor.

Chassis:

May be scratch built or a combination of kit components. May be built with any of the following: Steel, aluminum, fiberglass or plastic.

Tires:

Rear tires are to be a maximum of 7 inches in diameter. The maximum tread width is 4 1/2 inches. Must be agricultural single "V" type bar tire. Stock E-Maxx tires are allowed. Tires are allowed to be cut.

Weight:

Maximum vehicle weight is 10 lbs. Any visible weight must be scale suitcase weights. These weights are allowed to stick out past the body within the maximum tractor width.

Dimensions:

Maximum overall length is 19 inches. Maximum tractor width is 14 inches. Maximum tractor length is 18 3/4 inches. The wheelie bars may be 1/4 inch past the rear most part of the tractor. The Furthest point forward shall be no further that 15 1/2 inches from center of rear axle.

Wheelbase:

Maximum wheelbase is 11 1/2 inches.

Hitch:

Maximum hitch height of 2 inches.

Body:

Must be a 1/10 scale Pro-Stock or Super-Stock Farm tractor body. Any make, model and year are allowed. Tractor may be built to resemble a four wheel drive tractor but must remain two wheel drive. Tractor must have fenders of some type. It is suggested, not required that the tractor should smoke, have a driver and a transmission blanket for realism.

Front axle:

Front axle may be tricycle type with single or double tires. Front axle may also use a solid or pivoting type axle.

Others:

Wheelie bars are suggested but not required. If wheelie bars are used the wheels maybe removed and /or replaced with skid pads.

Heavy Super Stock Tractor

Weight

Motor Limit

Drive

Length

Battery

12 lbs.

Any R/C motor

2WD

19.5 inches

3s Lipo

Motor:

Maximum of one R/C motor (brushed or brushless).

Battery:

Maximum of 3s Lipo or 7-cell NiCd 11.1 Volt. Battery shall be placed in a fashion, so that is cannot be seen from either side, front rear or top of tractor.

Chassis:

May be scratch built or a combination of kit components. May be built with any of the following: Steel, aluminum, fiberglass or plastic.

Tires:

Rear tires are to be a maximum of 7 inches in diameter. The maximum tread width is 4 1/2 inches. Must be agricultural single "V" type bar tire. Stock E-Maxx tires are allowed. Tires are allowed to be cut.

Weight:

Maximum vehicle weight is 12 lbs. Any visible weight must be scale suitcase weights. These weights are allowed to stick out past the body within the maximum tractor width.

Dimensions:

Maximum overall length is 19 1/2 inches. Maximum tractor width is 14 inches. Maximum tractor length is 18 3/4 inches. The wheelie bars may be 1/4 inch past the rear most part of the tractor. The Furthest point forward shall be no further that 15 1/2 inches from center of rear axle.

Wheelbase:

Maximum wheelbase is 11 1/2 inches.

Hitch:

Maximum hitch height of 3 inches.

Body:

Must be a 1/10 scale Pro-Stock or Super-Stock Farm tractor body. Any make, model and year are allowed. Tractor may be built to resemble a four wheel drive tractor but must remain two wheel drive. Tractor must have fenders of some type. It is suggested, not required that the tractor should smoke, have a driver and a transmission blanket for realism.

Front axle:

Front axle may be tricycle type with single or double tires. Front axle may also use a solid or pivoting type axle.

Others:

Wheelie bars are suggested but not required. If wheelie bars are used the wheels maybe removed and /or replaced with skid pads.

4WD Street Stock

Weight

Motor Limit

Drive

Length

Battery

7 lbs.

27t or higher

4WD

22 inches

2s Lipo

Motor:

Maximum of one R/C motor (27t or higher brushed, closed end bell/sealed can).

Battery:

Maximum of 2s Lipo or 6-cell NiCd 7.2 Volt. Battery shall be placed in a fashion, so that is cannot be seen from either side, front rear or top of vehicle.

Chassis:

Chassis must be a ladder frame chassis or tub style chassis (i.e. Cc01, TA02t are acceptable) (aluminum, steel or plastic).

Suspension:

Any style front and rear suspension permitted (leaf spring, coil or torsion type). Rear suspension can NOT be locked or rigidly mounted.

Transmission:

Any FACTORY PRODUCTION transmission permitted. No homemade transmissions.

Tires:

Any street tread DOT style tire permitted, not to exceed 3.85 inches in diameter and 1.62 inches in tread width. Must be mounted on 2.2 inch diameter or smaller wheel. Dual wheels are permitted on the rear only. No "V" tread agricultural type tires. Tires cannot be sharpened, clipped or modified.

Weight:

Maximum vehicle weight is 7 lbs. All counterweights must be under body.

Dimensions:

Max. vehicle length of 22 inches. Maximum width is 12.5 for dually. 10.5 single.

Wheelbase:

Maximum wheelbase of 14 inches.

Hitch:

Maximum hitch height of 2 1/2 inches. Rear edge of hitch hole is to be no less than 2 1/2 inches from the center line of the rear axle.

Body:

Any scale appearing Factory production style body.

Others:

4WD Crawler

Weight

Motor Limit

Drive

Length

Battery

8 lbs.

Any R/C motor

4WD

22 inches

2s Lipo

Motor:

Maximum of one R/C motor (brushed or brushless)

Battery:

Maximum of 2s Lipo or 6-cell NiCd 7.2 Volt. Battery shall be placed in a fashion, so that is cannot be seen from either side, front rear or top of vehicle.

Chassis:

Chassis must be any FACTORY PRODUCTION automotive style, ladder frame chassis (aluminum, steel or plastic). Custom manufacture's chassis are prohibited.

Suspension:

Any style front and rear suspension permitted (leaf spring, coil or torsion type). Suspension must be functional in all corners.

Transmission:

Any FACTORY PRODUCTION transmission permitted. No homemade transmissions.

Axles:

Any scale appearing solid drive axles.

Tires:

Any street tread DOT or trail style tire permitted. Must be mounted on 2.2 inch diameter or smaller wheel. Dual wheels are permitted on the rear only. No "V" tread agricultural type tires. Tires cannot be sharpened, clipped or modified.

Weight:

Maximum vehicle weight is 8 lbs. All weight must be under body.

Hitch:

Hitches at the frame rails or below.

Body:

Any 1/10th scale style body.

Others:

Any 1/10th scale 4wd crawler/scaler kit.

4WD Work Stock

Weight

Motor Limit

Drive

Length

Battery

8.5 lbs.

Any R/C motor

4WD

22 inches

2s Lipo

Motor:

Maximum of one R/C motor (brushed or brushless)

Battery:

Maximum of 2s Lipo or 6-cell NiCd 7.2 Volt. Battery shall be placed in a fashion, so that is cannot be seen from either side, front rear or top of vehicle.

Chassis:

Chassis must be any FACTORY PRODUCTION automotive style, ladder frame chassis (aluminum, steel or plastic). Custom manufacture's chassis are prohibited.

Suspension:

Any style front and rear suspension permitted (leaf spring, coil or torsion type). Rear suspension can be locked or rigidly mounted.

Transmission:

Any FACTORY PRODUCTION transmission permitted. No homemade transmissions.

Axles:

Any scale appearing solid drive axles.

Tires:

Any street tread DOT style tire permitted, not to exceed 4 1/8 inches in diameter and 1.62 inches in tread width. Must be mounted on 1.9 inch diameter or smaller wheel. Dual wheels are permitted on the rear only. No "V" tread agricultural type tires. Tires cannot be sharpened, clipped or modified.

Weight:

Maximum vehicle weight is 8.5 lbs. Any visible weight must be scale appearing.

Dimensions:

Maximum vehicle length of 22 inches. Maximum width is 12.5 inches. Front weights or weight box not to exceed 5 1/2 inches from center line of the front axle to the furthest point forward.

Wheelbase:

Maximum wheelbase of 12 1/2 inches.

Hitch:

Maximum hitch height of 2 1/2 inches. Rear edge of hitch hole is to be no less than 2 1/2 inches from the center line of the rear axle.

Body:

Any scale appearing Factory production style body.

Others:

4WD Pro Modified 7#

Weight

Motor Limit

Drive

Length

Battery

7 lbs.

Any R/C motor

4WD

21 inches

2s Lipo

Motor:

Maximum of one R/C motor (brushed or brushless)

Battery:

Maximum of 2s Lipo or 6-cell NiCd 7.2 Volt. Battery shall be placed in a fashion, so that is cannot be seen from either side, front rear or top of vehicle.

Chassis:

May be a kit, scratch built or a combination of both. May be built with any of the following:

Steel, aluminum, fiberglass or plastic.

Tires:

Maximum tire diameter is 4 inches. Minimum tire diameter is 2 1/2 inches. Maximum tire width is 2 3/4 inches. Minimum tire width is 1 3/4 inches. Tires must be rubber bar tread type. Cutting of tires is allowed. RC4WD, TLT and 1/16 Traxxas Monster truck tires are allowed.

Weight:

Maximum vehicle weight is 7 lbs. Weight covers are permitted.

Dimensions:

Maximum vehicle length of 21 inches. Maximum vehicle width is 9 inches. The furthest point forward from the centerline of the rear axle shall be no more than 17 inches, or 6 inches from the centerline of the front axle.

Wheelbase:

Wheelbase is not to be less than 10 inches or more than 11 inches.

Hitch:

Maximum hitch height of 2 inches. Center of the hitch hole shall be no more than 2 1/2 inches from the center of the rear axle.

Body:

Must be 1/10 scale truck Body. Body must resemble a 4x4 truck that you see at a full scale pulling event. If an alternate body, such as a balsa body is to be used, a Parma number 10102 or 10103 shall be used as the template for the wheel openings. The rear wheel openings may not be cut beyond the factory lines. The front wheel openings must use the factory lines but may have the bottom corners trimmed for tire clearance. The wheels must fit the body opening. The body may not be cut in order to make it longer or shorter. The body must have tailgate and grille.

Others:

4WD Pro Modified 10#

Weight

Motor Limit

Drive

Length

Battery

10 lbs.

Any R/C motor

4WD

21 inches

2s Lipo

Motor:

Maximum of one R/C motor (brushed or brushless)

Battery:

Maximum of 2s Lipo or 6-cell NiCd 7.2 Volt. Battery shall be placed in a fashion, so that is cannot be seen from either side, front rear or top of vehicle.

Chassis:

May be a kit, scratch built or a combination of both. May be built with any of the following: Steel, aluminum, fiberglass or plastic.

Tires:

Maximum tire diameter is 4 1/2 inches. Maximum tire width is 2 3/4 inches. Cutting of tires is allowed. Maximum of four tires.

Weight:

Maximum vehicle weight is 10 lbs. Any visible weight must be scale appearing.

Dimensions:

Maximum vehicle length of 24 inches. Maximum vehicle width is 11 1/2 inches. The furthest point forward from the centerline of the rear axle shall be no more than 20 inches.

Wheelbase:

Maximum wheelbase of 11 3/4 inches.

Hitch:

Maximum hitch height of 2.5 inches.

Body:

Any scale appearing body is allowed. Wheels must be fit in the body wheel openings.

Others:

This class will be any drive type truck. Examples of the drive types are: chain drive, direct shaft, and belt drive

4WD Pro Modified 12#

Weight

Motor Limit

Drive

Length

Battery

12 lbs.

Any R/C motor

4WD

24 inches

3s Lipo

Motor:

Maximum of one R/C motor (brushed or brushless)

Battery:

Maximum of 3s Lipo or 7-cell NiCd 11.1 Volt. Battery shall be placed in a fashion, so that is cannot be seen from either side, front rear or top of vehicle.

Chassis:

May be a kit, scratch built or a combination of both. May be built with any of the following: Steel, aluminum, fiberglass or plastic. Any gearbox or combination of gear reductions units can be used.

Tires:

Maximum tire diameter is 4 1/2 inches. Tires must be rubber bar tread type. Cutting of tires is allowed.

Weight:

Maximum vehicle weight is 12 lbs. Any visible weight must be scale appearing.

Dimensions:

Maximum vehicle length of 24 inches. Measured from the rear of the hitch to the most forward part of the truck. Maximum vehicle width is 12 1/2 inches. The maximum distance for hanging weight will be 6 inches from center line of front axle forward. No part of the truck will be any farther ahead.

Wheelbase:

Maximum wheelbase of 13 1/2 inches.

Hitch:

Maximum hitch height of 2.5 inches. Truck must balance on its own. Hitches will be measured with no assistance to hold rear down.

Body:

Must be a 1/10 or 1/8 scale truck or van body. No tractors allowed. Wheels must fit in opening. Scale appearing as close as possible is preferred.

Others:

4WD Box Stock

Weight

Motor Limit

Drive

Length

Battery

14 lbs.

Any R/C motor

4WD

19 1/2 inches

2s Lipo

Motor:

Maximum of two R/C motor (brushed or brushless)

Battery:

Maximum of 2s Lipo or 6-cell NiCd 7.2 Volt. Battery must be in stock location with battery box.

Chassis:

The chassis must be original for that vehicle. Aluminum steering mechanisms are allowed. Rear wheel steering maybe locked. Steering servo may be used and may be relocated. A 1/4 scale steering servo is allowed. USA is allowed to use replacement dog bones from and R/C manufacturer. Items not related to the suspension may be removed.

Suspension:

Suspension must be original for that vehicle. Suspension may be locked at each wheel only. All stock suspension must be present and that includes the shocks.

Transmission:

Gearbox must be original for that vehicle. Minimum pinion size is an 8 tooth 32 pitch, needs to be visible. Motor swing adapters are allowed. No additional gearboxes are permitted.

Aluminum gearbox braces are allowed.

Axles:

Axles must be original for that vehicle.

Tires:

All four tires must be of the same size and stock for that vehicle. Bar tires only. No street or foam tires. Cutting of tires is not allowed. Stuffing of tires is allowed.

Weight:

Maximum vehicle weight is 14 lbs. No weight past the front bumper.

Dimensions:

Maximum vehicle length of 19 1/2 inches. Maximum width is 16 inches.

Wheelbase:

Must be original for that vehicle.

Hitch:

Maximum hitch height of 4 inches.

Body:

Maybe changed to lexan but must resemble a real type car, truck, van or SUV. For example a Ford, Chevy or Dodge 1/2 or 3/4 ton pickup truck.

Others:

This class is limited to factory production dual-motored 4WD vehicles.

Retro Clodbuster

Weight

Motor Limit

Drive

Length

Battery

14 lbs.

27t or higher

4WD

19 1/2 inches

2s Lipo

Motor:

Maximum of two R/C motor (27t or higher sealed brushed).

Battery:

Maximum of 2s Lipo or 6-cell NiCd 7.4 Volt. Battery shall be placed in a fashion, so that is cannot be seen from either side, front rear or top of vehicle.

Chassis:

The chassis must be original for that vehicle. Aluminum steering mechanisms are allowed. Rear wheel steering maybe locked. Steering servo may be used and may be relocated. A 1/4 scale steering servo is allowed. Items not related to the suspension may be removed.

Suspension:

Suspension must be original for that vehicle. Suspension must be functional at each wheel. All stock suspension must be present and that includes the shocks, oil filled shocks allowed.

Transmission:

Gearbox must be original style for that vehicle. Minimum pinion size is an 8 tooth 32 pitch.

Motor swing adapters are allowed. No additional gearboxes are permitted. Aluminum gearbox braces are allowed.

Axles:

Axles must be original for that vehicle.

Tires:

All four tires must be of the same size. 2.5 or 2.6 rims, bar tires only. No street or foam tires. Cutting of tires is not allowed. Stuffing of tires is allowed. 2.2 Rangers allowed.

Weight:

Maximum vehicle weight is 14 lbs. No weight past the front bumper.

Dimensions:

Maximum vehicle length of 19 1/2 inches. Maximum width is 16 inches.

Wheelbase:

Must be original for that vehicle.

Hitch:

Maximum hitch height of 4 inches.

Body:

Maybe changed to lexan but must resemble a real type truck, van or SUV. For example a Ford, Chevy or Dodge 1/2 or 3/4 ton pickup truck.

Others:

This class is limited to factory production dual-motored 4WD vehicles.

Retro Modbuster

Weight 14lbs.

Motor Limit 15t or higher

Drive 4wd

Length 19 1/2 inches

Battery 3s lipo

Motor:

Maximum of two R/C motor 15t or higher brushed).

Battery:

Maximum of 3s Lipo or 7-cell NiCd 11.1 Volt. Battery shall be placed in a fashion, so that is cannot be seen from either side, front rear or top of vehicle.

Chassis:

The chassis must be original, custom or aftermarket replacement for that vehicle. Aluminum steering mechanisms are allowed. Rear wheel steering maybe locked. Steering servo may be used and may be relocated. A 1/4 scale steering servo is allowed. Items not related to the suspension may be removed.

Suspension:

Suspension must be original for that vehicle. Suspension must be functional at each wheel. All stock suspension must be present and that includes the shocks, oil filled shocks allowed.

Transmission:

Gearbox must be original style for that vehicle. Minimum pinion size is an 8 tooth 32 pitch.

Motor swing adapters are allowed. No additional gearboxes are permitted. Aluminum gearbox braces are allowed.

Axles:

Axles must be original for that vehicle.

Tires:

All four tires must be of the same size. 2.5 rims or bigger. No street or foam tires. Cutting of tires is not allowed. Stuffing of tires is allowed.

Weight:

Maximum vehicle weight is 14 lbs. No weight past the front bumper.

Dimensions:

Maximum vehicle length of 22 inches. Maximum width is 16 inches.

Wheelbase:

Must be fit wheelbase of body.

Hitch:

Maximum hitch height of 4 inches.

Body:

Maybe changed to lexan but must resemble a real type truck, van or SUV. For example a Ford, Chevy or Dodge 1/2 or 3/4 ton pickup truck.

Others:

This class is limited to factory production dual-motored 4WD vehicles.

The rules above are the classes we are looking to run.

Other possible class rules can be found here:

<http://nrctpa.org/2018-rulebook/>