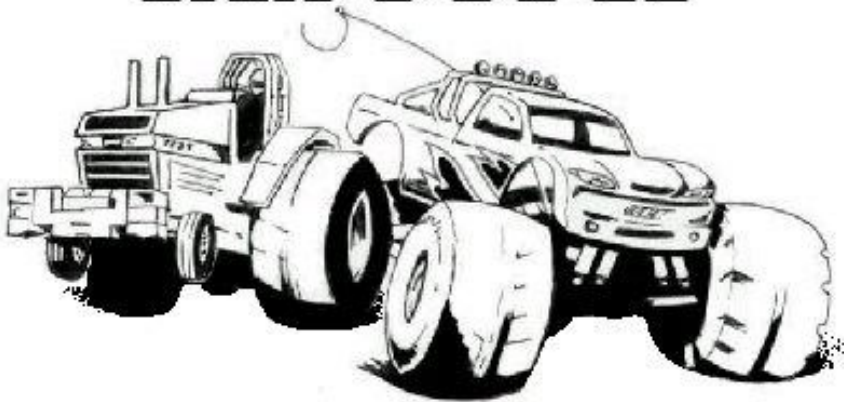


**Celebrating 34 years of World Championship
R/C Pulling and Monster Truck Racing!**

NR/CTPA



Rulebook

2023

Official Rulebook of the
National Radio Control Truck Pulling Association

Effective March 1st 2023

\$5.00

Forward

This rulebook is a culmination of many years. Over the years the hobby world has changed and consequently the rulebook continues to evolve. The rulebook is published yearly to remain abreast with current trends. The association uses all of its resources to ensure the rulebook remain consistent of current hobby trends..

The NR/CTPA Executive board welcomes comments and questions concerning the rulebook . Feel free to contact the board at:

rctruckpull@roadrunner.com

www.nrctp.org or

716 627 4321

Purpose: The purpose of the NR/CTPA is to promote radio controlled truck pulling, monster truck contests and to provide the rules and assistance to members and affiliated clubs.

Membership: Membership: \$20 dues required at World Championships. Membership includes one (1) vehicle entry at the World Championships.

Associate Membership: \$20.00 per year. This membership is for Hobby Stores only.

Club Membership: club membership is a \$20 registration fee

Included: Access to Electronic Rule book and Newsletter subscription

The rules in this rulebook shall govern all competitions after March 1, 2023 and supersedes all previous editions. The NR/CTPA reserves the right to amend, change, or add to the rules according to changes affecting the hobby. All attempts will be made to keep the rules fair and equal for all participants.

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General Rules

These rules shall cover all classes of pullers and racers unless specifically noted.

1. All vehicles covered in this rulebook shall be radio controlled scale appearing cars, trucks or tractors and will have a body to resemble a car, truck, tractor, or full size vehicles. Vehicles must run in classes according to their factory production vehicle classification; i.e. 2wd factory production vehicle runs in 2wd classes, 4wd factory production vehicle runs in 4wd classes. The following classes are limited to run factory production vehicles only: Stock, Super Stock, and Modified. 2wd and 4wd classes compete 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.
2. 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 to be illegal, that vehicle is disqualified for that round.
3. (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 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 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 NR/CTPA 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 NR/CTPA will refund the cost of component in question if warranted. Refund not to exceed current market value, not manufacturers suggested retail price. The ruling of the head track official is FINAL.
4. Ties will be broken by adding weight to the sled and re-pulling or an other race. Batteries may be recharged. This will be left up to the host club or Event Director. This will be announced at the drivers meeting.
5. There can not 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 can not be overruled.

6. Any Participant may request an inspection of a vehicle in his/her class, only one vehicle per round, and suspected rule violation must be put in writing and presented before the round ends. Participant must register his/her 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 designated by the Competition Committee. If disassembly is required the owner will do any disassembly requested by the Competition Committee, under the supervision of the Competition Committee. If the owner refuse's to do any disassembly that the Competition Committee requests, the Participant vehicle in question will be disqualified from the event, and forfeit the entry fees for all classes that vehicle is entered in. If the vehicle in question is found to be Legal, the owner of the vehicle will receive the \$30.00 protest fee. If the vehicle in question is found to be Illegal the \$30.00 protest fee will be returned to the person that filed the complaint. The vehicle in question if found Illegal, will have any current and past round's disqualified, and will not be allowed to run until rule disqualification has been resolved. If any Participant has been found to be Illegal twice in the same event, all entries by that Participant will be disqualified from the event, and the owner will forfeit all entry fees that have been paid.
7. No metal or fiber spikes, tire chains, or foreign material to be attached in any matter to or injected into tires. Liquid or chemical tire compounds are not permitted in any class.
8. 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" 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, 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 the wheel openings, exhaust, starterdrive 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 of the vehicle components as it is to be competed with.
9. Any production R/C vehicle shall be reviewed by the NR/CTPA and approved for a particular class based on their review.
10. 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.

11. No automatic transmissions or transmissions that shift while in motion are allowed. The exception to this is 4WD Nitro
12. 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 directed towards any competitor by any officials or other competitors. No alcohol 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.
13. All cooling devices must be fully enclosed and securely mounted
14. 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 that round. The enforcement of this will be up to the event director. Exceptions may be granted for physical disability, (i.e. vision), or for building interference.
15. No truck maximum in pulling per person per class. This will be left up to the host club or the Event Director and announced prior to the event.
16. Pulling and racing 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.
17. All members will be expected to help in any way if asked at events if physically capable.
18. A minimum of three (3) entries per class must be pre-registered and prepaid, at least four (4) weeks prior to the World Championships in order to purchase awards for said class. All exhibition classes will be awarded plaques instead of trophies at the World Championships and the Spring Nationals events unless the class is sponsored.
19. You may not tech your own vehicle or measure its distance in pulling

20. All competition courses 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 levels and rules

As you look through the rulebook you will see the following names used for motors. Please refer to these pages for definitions and clarifications of motor levels. Any variance of these rules will be listed in the class rules.

Stock: Are to be motors that are R/C motors with non-adjustable endbells. These motors will be labeled as ROAR motors. Rebuildable stock motors will have an identification mark on the can and armature. These marks will either be the ROAR name or the manufacturer's name along with the number 27. You can not tamper with, in any way, the timing adjustments, which include the use of cut brushes that will affect the timing. Ball bearings, external magnets, internal Cobalt or neodymium magnets are not permitted. You are allowed to machine the commutator with a comm. stick or a stock comm. lathe only. No opening of a motor with a staked end bell. You may disassemble rebuildable stock motor for maintenance. Other than machining the commutator you may not alter rebuildable motors. This includes swapping end bells, cans or armatures. You are allowed to change springs and brushes in the motor. The end bell must have a bushing. .

Sport Modified: (2) motors maximum which will be as follows: Motor type: HPI 1146 15t Firebolt, Arma AR390031 15 t and Dynamite DYN1172 15t which are all sealed end bell motors. Motors must remain sealed with legible factory labels left in place on them.

Modified: Are to be motors that are brushed or brushless R/C motors. And can be of any size or price limit. This level motor may have an adjustable end bell. This level of motors are allowed to have adjustable timing, modified or cut brushes, and ball bearings. The commutator is allowed to be machined. The output shaft is allowed to be shortened and/or have a flat spot machined in it. Drilling holes in the end-bells is allowed in order to cool motor. The Astroflight Pullmaster I and Pullmaster IV are allowed in this level until further notice. Motors from Stock, and Sport Mod are allowed.

Open II: any electric motor of any size or dollar limit

Battery Rules

All classes may use NiCd or NiMh cells. LiPo batteries are allowed in accordance to the LiPo Battery Rules listed below. Factory built batteries will be encased in the original factory wrapper with the label attached. All other batteries must be in clear shrink-wrap or clear tape. No added opaque tape or shrink wrap allowed. Batteries will be readily available R/C type. Individual class limits will be listed in that class section of this rule-book.. Any battery chemistry is allowed in the Insane Pulling class.

LiPo Battery Rules

Lithium Polymer (LiPo) batteries are allowed in all pulling and racing classes. Specific LiPo battery limitations will be outlined in pulling and racing class rules. LiPo batteries must be protected from puncture from all directions. .Examples of accepted materials at lexan, aluminum, carbon fiber or the chassis itself. Hard cased LiPo batteries require no additional protection. No other form of protections will be allowed. When charging LiPo batteries , the battery must be in a reasonably safe charging receptacle

Trophy Rules SPRINGS & WORLDS

- If a class has 1 or 2 entries pre-registered & pre-paid (4) weeks prior to event, a 1st place plaque shall be purchased.
- If a class has 3-5 entries pre-registered & pre-paid (4) weeks prior to event, 1st & 2nd place plaques shall be purchased.
- If a class has 6+ entries pre-registered & pre-paid (4) weeks prior to event, 1st, 2nd & 3rd place plaques shall be purchased.
- Exhibition classes shall be awarded if the class is sponsored.
- If a class is sponsored, 1st, 2nd & 3rd place awards shall be purchased regardless of pre-registered & pre-paid status. 1st place shall be a trophy. All awards shall name the class sponsor.

Concours

Concours judging aims to award the best looking and most realistic appearing pulling vehicle and monster truck entered in competition. The following are guidelines to ensure the Concours is fair and equitable for all participants.

1. No props such as mirrors stands etc.
2. No stacking of vehicles is allowed
3. Must run the same body in competition
4. Must run the same tires in competition
5. Must be a registered vehicle that competes in at least half of the event.
6. Vehicle must be displayed with others during concours to be eligible for awards
7. No obscene images or wording allowed.
8. May be scored by judges or done by participants choice.

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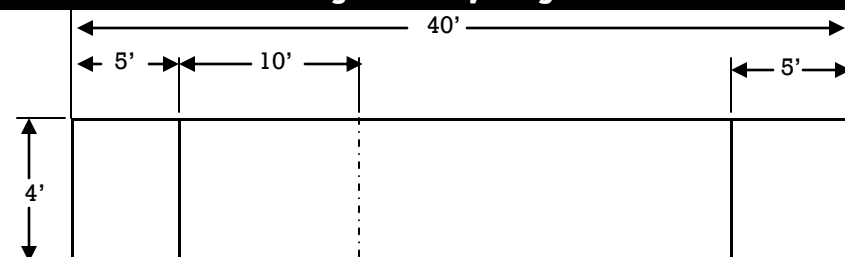
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Pulling track layout guide



- Length:
- 30 foot track
 - 5 foot pull back area
 - 5 foot runoff area
 - 40 foot total length
 - 10 foot default line. Measured from the starting line

Pulling General Rules

- 1a. The first puller, on dirt, in round one only, in every class can decline the pull.
- 1b. 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 both carpet and dirt tracks in round 1 only, one extra pass only. If this option is taken you must re-hook immediately you may adjust your vehicle.
- 1c. 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.
- 1d. 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.
- 1e. Once the sled weight is set it must remain until the pulloffs.
2. The order of pullers in each class may be determined by the order of registration. Random drawing at the event is preferred. This is up to the host club or Event Director.

3. Start and finish of each pull shall be determined by an official starter using an audible or visual signal such as a whistle, flags, and lights. The type of signal will be announced at the drivers meeting.
4. All sleds are to be chain drive except for the Digger class may use a string drive sled. Sleds are not allowed to lock up 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. All sleds used for fuel propelled vehicles shall have a second chain or strap firmly attached to hook to vehicles using a tether or kill switch. 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 sleds skid plate is "front" of the measurement point. The distance can be measured using the front of the skid plate or may be measured using two points in which to measure. For example the distance can 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. Or when using the laser system when measuring.
5. If the pulling sled malfunctions at any time during a pull, that pull will be null and void. The participant 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.
6. If any item falls off of the vehicle, the vehicle flips over backwards or sideways, the vehicle will be stopped at that point. If a part falls off the vehicle or the overhead smoke system falls off during the run that run is a DQ.
7. The vehicle will be disqualified if any part of the vehicle touches the out of bounds marks (or wall) before the full pull mark (30 ft). Out of bounds is only measured to the full pull mark (30 ft). There is no DQ for any vehicle that has passed the 30' mark and touches. The sled does not count.
8. Intentional jerking of the pulling sled will disqualify the vehicle for that round. Intentional jerking will be determined by the Head Track Official.
9. **Carpet rule** A 30 second time limit is to be imposed for the length of time to compete a pull from the start of the 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 Pulling General rule number one, the clock will be reset and started again at the signal.

10. The only person 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 prior to the pull starting. Any violation will result in a disqualification of the vehicle for that round. Violations will be determined by the Track Official. Participants with disabilities and children under ten will be an exception to this rule.

11. For indoor events when an exhaust elimination system is used, all vehicles must be able to adapt to the exhaust system. The vehicle's exhaust must exit upward more than 45 degrees from the track surface toward the smoke elimination system. While the vehicle will not be attached to the smoke system, the exhaust must exit upward in order for the smoke system to catch the fumes (this rule is for the big exhaust system)

for the NR/CTPA system:

For indoor events when the NR/CTPA exhaust elimination system is used, all vehicles must be able to adapt to the exhaust system. The current exhaust system has a 4 inch hose that hangs over the vehicle. The vehicle is required to attach to that hose. The attachment need not be air tight but is required to direct exhaust into the hose. If the exhaust hose falls off that run is DQed.

12. Fuel for gasoline vehicles may be any octane. The gasoline may not contain any additives other than the two cycle engine oil. All of the fuel shall be contained within the fuel system.

Dirt Digger

Weight	Motor Level	Drive	Length	Battery	Surface
3 lbs	Modified	2WD	Stock	2s lipo	Dirt

- Motor:** Maximum of one *Modified* motor.
- Battery:** 2s lipo
- Chassis:** Must be in stock configuration. Parts may be missing. Holes may be drilled for body mounts only. All unused non-factory holes must be filled with epoxy so as to maintain factory weight. Aluminum hubs are allowed
- Tires:** Rear tires are to be a maximum 3 ½" diameter, and a maximum of 2" wide. . The minimum front tire size is 1 3/8"
- Weight:** Maximum weight is 3 lbs.
- Dimensions:** Maximum vehicle width is 9 inches.
- Wheelbase:** Wheel base 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.
- Other:** 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.

Dirt 2WD Box Stock

Weight	Motor Level	Drive	Length	Battery	Surface
6 lbs	See below	2WD	19 inches	2s lipo	Dirt

Motor: Maximum of one *Modified* motor.

Battery: 2s Lipo

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 can not 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.

Body: Any scale appearing body is allowed.

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

Hitch: 2 inch Maximum hitch height. 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

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.

Dirt Garden Tractor

Weight	Motor Level	Drive	Length	Battery	Surface
4 lbs	Modified	2WD	12 inches	See below	Dirt

- Motor:** Maximum of one *Modified* motor
- Battery:** 2S LiPo
- Chassis:** May be factory production or scratch built.
- Tires:** Maximum rear tire diameter is 4 inches. Maximum rear tire width is 2 ¾ inches. Minimum front tire diameter of 1 inch. Rear tires must have “V” bar tread pattern. TLT tires are acceptable.
- Weight:** 4 lbs maximum.
- Dimensions:** Maximum vehicle length of 12 inches. Length is measured from the rearmost part of the hitch to the furthest point forward.
- Wheelbase:** Maximum of 9 inches.
- 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.
- Other:** A maximum of one gear drop. This is the drop from the motor pinion to the rear axle spur gear.

Dirt 2WD Truck

Weight	Motor Level	Drive	Length	Battery	Surface
7 lbs.	Modified	2WD	19 inches	See below	Dirt

- Motor:** Maximum of one *Modified* motor.
- Battery:** 2S LiPo
- 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 tire dia. 4.5 inches. Maximum tire width 2.75 inches. Must be agricultural bar tread. Tires may be cut.
- Weight:** Maximum vehicle weight is 7 lbs.
- Dimensions:** Maximum length is 19 inches. Maximum 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 ½ inches.
- Hitch:** 2 .5 inch maximum hitch height.
- Body:** Must use a truck, van or car body only. All components must be under the body. Front tires must be in wheel opening. “Rear Tires can protrude 1” on either side of the body, but must stay within the 9” width.

Dirt Pro Stock Tractor

Weight	Motor Level	Drive	Length	Battery	Surface
10 lbs	Modified	2WD	19 inches	See below	Dirt

- Motor:** Maximum of one *Modified* motor.
- Battery:** 2S LiPo
 Battery shall be placed in a fashion so that it can not be seen from either side, front, rear or top of the tractor.
- Chassis:** Chassis may be scratch built or combination of kit components.
- Tires:** Rear tires are to be a maximum of 7 inches. The Maximum tread width is 4 ½ inches. Must be agricultural single “V” type bar tire. Stock E-maxx tires are allowed. Tires are allowed to be cut.
- Weight:** Maximum tractor 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 over all length is 19 inches. Maximum tractor width is 14 inches. Maximum tractor length is 18 ¾ inches. The wheelie bars may be ¼ inch past the rearmost part of the tractor. The furthest point forward shall be no further than 15 ½ inches from the center of rear axle.
- Wheelbase:** Maximum wheelbase is 11 ½ 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 be a solid or pivoting type axle.
- Other:** Wheelie bars are suggested but not required. If wheelie bars are used, the wheels maybe removed and/or replaced with skid pads.

Dirt Heavy Super Stock Tractor

Weight	Motor Level	Drive	Length	Battery	Surface
12 lbs	Modified	2WD	19.5 inches	3s lipo	dirt

- Motor:** Maximum of one *Modified* motor.
- Battery:** 3 S LiPo
- Chassis:** Chassis may be scratch built or a combination of kit components. 2WD only.
- Tires:** Rear tires are to be a maximum of 7 inches in diameter. The maximum tread width is 4 ½ inches. Must be agricultural single “V” type bar tire.
- Weight:** Maximum tractor 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 over all length is 19 1/2 inches. Maximum tractor width is 14 inches. The furthest point forward shall be no further than 15 ½ inches from the center of the rear axle.
- Wheelbase:** Maximum wheelbase is 11 ½ inches.
- Hitch:** Maximum hitch height will be 3”.
- Body:** Must be a Pro-Stock or Super-Stock farm tractor body. Any make, model and year are allowed. Tractor may be built to resemble a 4 wheel drive tractor but must remain 2 wheel drive. The tractor must have fenders of some type. Body can be slightly smaller or larger than true 1/10 scale, this will allow for a wider variety of tractors to be used. Size must look appropriate for wheelbase.

Dirt Sportsman

Weight	Motor Level	Drive	Length	Battery	Surface
10 lbs	Modified	2WD	24 inches	See below	Dirt

Motor: Maximum of one *Modified* motor.

Battery: 2S LiPo

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 diameter of 7 inches with a minimum diameter of 3 inches. The maximum width for the rear tires is 4 ½ inches. Rubber bar agricultural tires only. Tires may be cut.

Weight: Maximum vehicle weight is 10 lbs.

Dimensions: Maximum vehicle length is 24 inches. Maximum vehicle width is 16 inches.

Hitch: Maximum hitch height is 4 inches

Dirt 2WD Pro Modified Electric

Weight	Motor Level	Drive	Length	Battery	Surface
10 lbs	Modified*	2WD	See below	3s lipo	Dirt

- Motor:** Maximum of one *Modified* Motor.
- Battery:** 3S LiPo
- Chassis:** Chassis may be scratch built or combination of kit components.
- Tires:** Maximum rear tire diameter is 5 ½ inches. Maximum rear tire width is 3 ¼ inches. Minimum front tire diameter is 2 inches .Must be a bar tread tire
- Weight:** Maximum vehicle weight is 10 lbs.
- Dimensions:** Maximum vehicle length is 18 inches. This is to be measured from the center of the axle to the most forward part of the vehicle.
- Wheelbase:** Maximum wheelbase is 12 ½ inches.
- Hitch:** Maximum hitch height is 4 inches.
- Body:** Must use a truck, van or car body only.

Dirt 2WD Open I

Weight	Motor Level	Drive	Length	Battery	Surface
15 lbs	Modified	2WD	24 inches	4s lipo	Dirt

Motor: Maximum of one *Modified* motor

Battery: 4S LiPo

Chassis: May be scratch built or a combination of kit components.

Tires: Maximum rear tire diameter is 7 inches. Maximum rear tire width is 4 ½ inches.

Weight: Maximum vehicle weight is 15 lbs

Dimensions: Maximum vehicle length is 24 inches. Maximum vehicle width is 16 inches.

Hitch: Maximum hitch height of 4 inches.

Dirt Big Rig

Weight	Motor Level	Drive	Length	Battery	Surface
7 lbs.	Modified	Tandem	20 inches	See below	Dirt

Motor: Limit of one Modified motor

Battery: 2S LiPo

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: All drive tires must be the same size and style

(1) TLT or RC4WD "Cepek" tire only tires may be sharpened. Must have 4 drive tires OR

(2) DOT street style tread tires, 4.19 dia maximum, tread width of both tires not to exceed 3". Must be mounted on a 1.9 or smaller wheel. No agricultural bar tread tires. Tires cannot be sharpened clipped or modified. Must have 8 drive tires.

Weight: Maximum vehicle weight is 7 lbs.

Dimensions: Maximum vehicle length is 20 inches. Maximum vehicle width is 11 inches.

Wheelbase: No limit on the overall wheelbase except within the vehicle dimensions and body limitations. The rear axles are to be maximum of 4 ½ inches apart, center of axle to center of axle.

Hitch: Maximum hitch height of 4 inches.

Body: Must be an 18 wheeler body. Tires must be located in the factory wheel openings. All components must be under the body. Rear tires do not have to be covered by body or fenders

Other: This class is to be tandem axle four wheel drive. The front axle must be fixed. No hinged or pivoting axles. The front axle is not to be driven.

Dirt Modified Big Rig

Weight	Motor Level	Drive	Length	Battery	Surface
10 lbs.	Modified	Tandem	24 nches	3s lipo	Dirt

Motor: Limit one Modified Motor

Battery: 3S lipo

Chassis: Chassis may be scratch built or a combination of kit components

Tires: All drive tires must be the same size and style

(1)TLT or RC4WD "Cepek" tire only tires may be sharpened. Must have 4 drive tires OR

(2) DOT street style tread tires, 4.19 dia maximum, tread width of both tires not to exceed 3". Must be mounted on a 1.9 or smaller wheel. No agricultural bar tread tires. Tires cannot be sharpened clipped or modified. Must have 8 drive tires.

Weight: Maximum vehicle weight is 10 lbs. No weights can be mounted in front of the bumper

Dimensions: Maximum vehicle length is 24 inches to be measured to the rear most part of the hitch to the front bumper.
Maximum vehicle width is 10 inches overall length not to exceed 26 inches

Wheelbase: No limit on the overall wheelbase except within the vehicle dimensions and body limitations. The rear axles are to be a maximum of 4 1/2 inches apart, center to center to center of the axles

Hitch: Maximum hitch height is 3.5 inches

Body: Any scale appearing big rig body is allowed but no larger than 1/10th scale

Other: This class will be any drive type. Examples of the drive types are: chain drive, direct shaft, drive shaft, gear and belt drive No rear steer axles allowed or front wheel drive allowed all drive wheels must be at the rear of the truck

Dirt Crawler

Weight	Motor Level	Drive	Length	Battery	Surface
8 lbs.	Brushed or Brushless	4WD	Stock	See below	Dirt

- Motor:** Brushed or brushless motor
- Chassis:** Any 1/10th scale 4WD crawler/scaler kit
- Battery:** 2s lipo
- Weight:** 8# max
- Hitch:** Hitch is at the frame rails or below
- Suspension:** Must have working suspension on all four corners
- Tires:** Tires must be street or trail type tires, no v tread tractor tires
- Other:** All weights must be under the body

Dirt Work Stock

Weight	Motor Level	Drive	Length	Battery	Surface
8.5 lbs.	Modified	4WD	22 inches	2S lipo	Dirt

- Motor:** Maximum of one electric motor.
- Battery:** 2s lipo. Batteries must be concealed.
- Chassis:** Chassis may be any FACTORY PRODUCTION automotive style, ladder frame chassis (aluminum, steel or plastic) Custom manufacturer's chassis' prohibited.
- Suspension:** FACTORY PRODUCTION style front and rear suspension required (leaf spring, coil spring or torsion type) rear axle can be locked or rigidly mounted. Front shocks must be mounted to the front axle in the stock location.
- 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 4.19 inches in diameter and 1.62 inches in tread width. Must be mounted on a 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. Manufacturers listed dimensions are considered acceptable.
- Weight:** Maximum Truck weight is 8.5lbs. Any visible weight must be scale appearing.
- Dimensions:** Maximum overall vehicle length is 22 inches. Maximum width is 12.5 inches. Front weights or weight box not to exceed 5 1/2 inches from the center line of the front axle to the furthest point forward.
- Wheelbase** Maximum wheelbase is 12 1/2 inches.
- Hitch:** Maximum hitch height is 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 pick-up truck style body.

Dirt 4WD Pro Modified

Weight	Motor Level	Drive	Length	Battery	Surface
10 lbs	Modified	4WD	24 inches	See below	Dirt

- Motor:** Limit one *Modified* motor
- Battery:** 2S LiPo
- Chassis:** Chassis may be scratch built or combination of kit components.
- Tires:** Maximum tire diameter is 4 ½ inches. Maximum tire width is 2 ¾ inches. Tires may be cut. Maximum of four tires. Must be a agricultural bar tire and it can be cut or sharpened.
- Weight:** Maximum vehicle weight is 10 lbs.
- Dimensions:** Maximum vehicle length is 24 inches. Maximum vehicle width is 11 ½ inches. The furthest point forward from the centerline of rear axle shall be no further than 20 inches.
- Wheelbase:** Maximum wheelbase is 11 ¾ inches.
- Hitch:** Maximum hitch height is 2 .5 inches.
- Body:** Any scale appearing body is allowed. Wheels must be fit in the body wheel openings.
- Other:** This class will be any drive type trucks. Straight direct shafts allowed. Examples of the drive types are; chain drive, direct shaft, and belt drive.

Dirt 4WD Modified 12# Truck

Weight	Motor Level	Drive	Length	Battery	Surface
12lbs	See below	4WD	24 inches	See below	Dirt

- Motor:** Maximum of one *Modified* motor.
- Battery:** 3s LiPo .
- Chassis:** Can be factory production or a scratch built unit. Any gearbox or combination of gear reduction units can be used.
- Tires:** Maximum tire diameter is 4 ½ inches. Maximum tire width is 2 ¾ inches. Tires may be cut. Maximum of four tires.
Must be a agricultural bar
- Weight:** Maximum vehicle weight is 12 lbs.
- Dimensions:** Maximum length will be 24 inches, measured from the rear of the hitch to the most forward part of the truck.
Maximum wheel base will be 13 ½ inches.
Maximum width 12 1/2".
Maximum distance for hanging weight will be 6 inches from center line of front axle forward. No part of the truck will be any further ahead.
- Hitch:** Maximum hitch height will be 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

Dirt 4WD Box Stock

Weight	Motor Level	Drive	Length	Battery	Surface
14lbs	Modified	4WD	19 ½ inches	See below	Dirt

- Motor:** Limit two *Modified* motors
- Battery:** 2s liPo . Battery must be in stock location with battery box. Battery covers and holders maybe removed to allow for a 7 cell battery pack.
- Chassis:** The chassis, gearbox and suspension must be original for that vehicle. Minimum pinion size is an 8 tooth 32 pitch and must be visible. Motor swing adapters are allowed. No additional gearboxes are permitted. Suspension may be locked at each wheel only. Aluminum steering mechanisms and gearbox braces are allowed. Rear wheel steering may be locked. Steering servo may be used and may be relocated. A ¼ scale steering servo is allowed. USA is allowed to use replacement dog bones from an R/C manufacturer. Items not related to the suspension may be removed. All stock suspension must be present and that includes the shocks.
- 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 14lbs. No weight past the front bumper.
- Dimensions:** Maximum vehicle length is 19 ½ inches. Maximum vehicle width is 16 inches.
- Wheelbase:** Must be original for that vehicle.
- Hitch:** Maximum hitch height of 4 inches.
- Body:** May be changed to lexan but must resemble a real type truck. For example a Ford, Chevy, or Dodge ½ or ¾ ton pickup truck.
- Electronics:** An ESC is allowed.
- Other:** This class is limited to factory production dual-motored 4WD vehicles.

Dirt Light Super Stock Tractor

Weight	Motor Level	Drive	Length	Hitch	Surface
8 lbs	Nitro	2WD	19.5 inches	3"	dirt

Motor: One Traxxas brand 2.5 or 3.3 nitro engine only.

Chassis: Can be factory production or a scratch built unit Any gearbox or combination of gear reduction units can be used. 2WD only

Tires: Front tired minimum size will be 2" in diameter Rear drive tires can be maximum of 7" diameter and maximum of 3.4" in width.

Weight: Maximum tractor weight is 8lbs. 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 will be 19 1/2".Maximum wheelbase will be 11 1/2".To be no more than 15 1/2" from the centerline of the rear axle to the furthest point forward. Maximum width will be 12"

Wheelbase: Maximum wheelbase is 11 1/2 inches.

Hitch: Maximum hitch height will be 3".

Body: Body must resemble a full size pro-stock or super stock tractor. .Body can be slightly smaller or larger than true 1/10 scale, this will allow a wider variety of tractors to be used.

Dirt 2WD Pro Modified Nitro

Weight	Engine Level	Drive	Length	Fuel type	Surface
10 lbs	.15 Nitro	2WD	See below	Nitro	Dirt

- Power Plant:** Maximum of .15 cubic inch nitro engine.
- Chassis:** Chassis may be scratch built or combination of kit components.
- Tires:** Maximum rear tire diameter is 5 ½ inches. Maximum rear tire width is 3 ¼ inches. Minimum front tire diameter is 2 inches. Rear tires must be bar type.
- Weight:** Maximum vehicle weight is 10 lbs.
- Dimensions:** Maximum vehicle length is 18 inches. This is to be measured from the center of the axle to the most forward part of the vehicle..
- Wheelbase:** Maximum wheelbase is 12 ½ inches.
- Hitch:** Maximum hitch height is 4 inches.
- Body:** Must use a truck, van or car body only.

Dirt 2WD Nitro

Weight	Engine Level	Drive	Length	Fuel
15 lbs	.30 Nitro	2WD	18 inches	Nitro

- Power Plant:** One two stroke nitro engine with a maximum displacement of .30 cubic inches. Engine is to be mounted in the front 50% of vehicle. Must have a store bought tuned exhaust pipe. No straight pipes are allowed.
- Chassis:** Chassis may be scratch built or a combination of kit components.
- Tires:** Rear tires are to be Tamiya “Wild Willies, Lunchbox, or Midnight Pumpkin” type tires only. Tires may be cut. Steer tires are to be a minimum of 1 3/8 inch in diameter.
- Weight:** Maximum vehicle weight is 15 lbs.
- Dimensions:** Maximum vehicle length is 18 inches from the center of the rear axle to the furthest point forward. Maximum width is 9 5/8 inches.
- Wheelbase:** Wheelbase must fit under body.
- Hitch:** Maximum hitch height is 4 inches. The hitch hole is to be located no closer than 1.8 inch behind the rear axle as measured from the center of the axle to the rear of the hitch hole. Vertical holes that require the sled hood to be hooked horizontally are not permitted.
- Body:** Any scale appearing body is allowed.

Dirt 4WD Nitro

Weight	Engine Level	Drive	Length	Fuel
10 lbs	.2.5-3.3 Traxxas	4WD	From center of rear axle 19.5	Nitro

Powerplant: Maximum of one Traxxas brand 2.5 or 3.3 nitro engine.

Chassis: Chassis may be scratch built or combination of kit components. No gearbox limitations. Shifting gear boxes are allowed.

Tires: Maximum tire diameter is 4 inches. Maximum tire width is 2 ¾ inches. Maximum of four tires.

Weight: Maximum vehicle weight is 10 lbs.

Dimensions: The furthest point forward from the centerline of the front axle shall be no further than 6 inches. Maximum vehicle width is 12 ½ inches. The furthest point forward shall be no further than 19 ½ inches from the center of the rear axle.

Wheelbase: Maximum wheelbase is 13 1/2 inches.

Hitch: Maximum hitch height is 2 1/2 inches.

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

Other: This is the same truck as the STPA ...no changes

Dirt 2WD Gas

Weight	Engine	Drive	Length	Fuel	Surface
25 lbs	39cc	2WD	24 inches	Gasoline	Dirt

- Engine:** Maximum of one two stroke engine. Maximum displacement of 39cc.
- Fuel:** A maximum of 4 fluid ounces of gasoline. Fuel on board shall be no more than necessary. All fuel must be contained within the fuel system.
- Chassis:** Any scratch built chassis is allowed.
- Tires:** Maximum tire diameter is 7 inches. Maximum tire width is 4 ½ inches. Maximum of four tires. Tires may be cut.
- Weight:** Maximum vehicle weight of 25 lbs.
- Dimensions:** Maximum vehicle length is 24 inches. Maximum vehicle width is 16 inches.
- Hitch:** Maximum hitch height of 4 inches.
- Body:** Any scale appearing body is allowed. If an econo mod tractor or mod tractor it needs fenders, roll cage, seat, steering wheel and an instrument panel.
- Safety:** Vehicle must have a kill switch that will kill the engine if the vehicle becomes disconnected from the pulling sled. Vehicle must be hooked to the sled, an anchor point or set in on cradle before starting. All primary belts, chains, sprockets and clutches must be enclosed with a minimum of 1/16" thick metal (or lexan) except for the final reduction to the axle.

Dirt Mini Rod

Weight	Motor Level	Drive	Length	Battery	Surface
6lbs	See rules	2WD	12.5 inches	unlimited	Dirt

- Body:** Must resemble a NTPA Mini Modified
- Motor:** No motor or engine restriction. May use gas, nitro or electric motor.
- Chassis:** Chassis may be scratch built or combination of kit components
- Tires:** Rear tires are to be a maximum of 4.5 inches in diameter. The maximum tread width is 2 ¼ inches. (pumpkin size)
- Weight:** Maximum vehicle weight is 6 lbs.
- Dimensions:** Maximum vehicle length is 12 1/2 inches and includes all parts of the vehicle except wheelie bars. Maximum vehicle width is 8 1/2 inches.
- Hitch:** Maximum hitch height is 3 inches.

Dirt Insane

Weight	Motor Level	Drive	Length	Battery	Surface
15 lbs	See rules	2WD	20 inches	unlimited	Dirt

- Motor:** No motor or engine restrictions. May use Gas, Nitro, or Electric power plant. Must be safe.
- Chassis:** Chassis may be scratch built or combination of kit components.
- Tires:** 7" Maximum diameter 4 1/2" Maximum width
- Weight:** Maximum vehicle weight is 15 lbs.
- Dimensions:** Maximum vehicle length is 20 inches. Maximum vehicle width is 12 inches.
- Hitch:** Maximum hitch height of 4 inches.
- Body:** Must resemble some kind of full scale pulling vehicle. For any unusual vehicles it is recommended that participant have a photo of the full scale puller.
- Safety:** Must have shielding to contain flying parts. The body may be considered to be the shielding. Fuel vehicles must have a hitching point for a safety tether or kill switch. The hitch point must be just above the pulling hitch if using a safety tether. Vehicle may be started off track and carried to the track (not to be started in your personal pit area but rather using the available smoke system
Recommended: Vehicle should be hooked to the sled, an anchor point or set in on cradle before starting. If the vehicle is Nitro or Gasoline operated
- Exhaust:** Gas or Nitro vehicles are required to adapt to an exhaust elimination system. The current system adapts best to exhaust exiting from the top of the vehicle.

Dirt Unlimited

Weight	Motor Level	Drive	Length	Battery	Surface
20 lbs	No Limit	Up to 6WD	28 inches	unlimited	Dirt

- Motor:** No Limit to power source (gas nitro electric)
- Chassis:** Chassis may be scratch built or combination of kit components. Up to 3 axles May be 6, 4 or 2 wheel drive
- Tires:** Maximum tire diameter 7 inches. Minimum diameter is 3 inches. Maximum rear tire width is 4 1/2 inches.
- Weight:** Maximum vehicle weight is 20lbs.
- Dimensions:** Maximum vehicle length is 28 inches. Maximum vehicle width is 16 inches.
- Hitch:** Maximum hitch height of 4 inches.
- Safety:** Must have shielding to contain flying parts. The body may be considered to be the shielding. Fuel vehicles must have a hitching point for a safety tether or kill switch. The hitch point must be just above the pulling hitch if using a safety tether. Vehicle may be started off track and carried to the track (not to be started in your personal pit area but rather using the available smoke system
Recommended: Vehicle should be hooked to the sled, an anchor point or set in on cradle before starting. If the vehicle is Nitro or Gasoline operated
- Exhaust:** Gas or Nitro vehicles are required to adapt to an exhaust elimination system. The current system adapts best to exhaust exiting from the top of the vehicle.

Carpet 2WD Truck

Weight	Motor Level	Drive	Length	Battery	Surface
7 lbs.	Modified	2WD	19 inches	See below	Carpet

- Motor:** Maximum of one *Modified* motor.
- Battery:** 2S LiPo
- 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 “TLT, Wild Willies, Lunchbox, or Midnight Pumpkin” type tires only. Front tires are to be a minimum of 2 ¼” in diameter.
- Weight:** Maximum vehicle weight is 7 lbs.
- Dimensions:** Maximum length is 19 inches. Maximum 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 ½ inches.
- Hitch:** 2 inch maximum hitch height.
- Body:** Must use a truck, van or car body only. All components must be under the body. Front tires must be in wheel opening. “Rear Tires can protrude 1” on either side of the body, but must stay within the 9” width.

Carpet Pro Stock Tractor

Weight	Motor Level	Drive	Length	Battery	Surface
10 lbs	Modified	2WD	19 inches	See below	Carpet

- Motor:** Maximum of one *Modified* motor.
- Battery:** 2S LiPo Battery shall be placed in a fashion so that it can not be seen from either side, front, rear or top of the tractor.
- Chassis:** Chassis may be scratch built or combination of kit components.
- Tires:** Rear tires are to be a maximum of 7 inches. The Maximum tread width is 4 ½ inches. Must be agricultural single “V” type bar tire. Stock E-maxx tires are allowed. Tires are allowed to be cut for dirt pulling only.
- Weight:** Maximum tractor 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 over all length is 19 inches. Maximum tractor width is 14 inches. Maximum tractor length is 18 ¾ inches. The wheelie bars may be ¼ inch past the rear-most part of the tractor. The furthest point forward shall be no further than 15 ½ inches from the center of rear axle.
- Wheelbase:** Maximum wheelbase is 11 ½ 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 be a solid or pivoting type axle.
- Other:** Wheelie bars are suggested but not required. If wheelie bars are used, the wheels maybe removed and/or replaced with skid pads.

Carpet Sportsman

Weight	Motor Level	Drive	Length	Battery	Surface
10 lbs	Modified	2WD	24 inches	See below	carpet

Motor: Maximum of one *Modified* motor.

Battery: 2S LiPo

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 diameter of 7 inches with a minimum diameter of 3 inches. The maximum width for the rear tires is 4 ½ inches. Rubber bar agricultural tires only. Tires may be cut.

Weight: Maximum vehicle weight is 10 lbs.

Dimensions: Maximum vehicle length is 24 inches. The maximum vehicle width for vehicles competing on carpet is 14 inches.

Hitch: Maximum hitch height 2 inches for carpet vehicles.

Carpet 2WD Open I

Weight	Motor Level	Drive	Length	Battery	Surface
12	Modified	2WD	24 inches	See below	carpet

- Motor:** Maximum of one *Modified* motor
- Battery:** 4S LiPo
- Chassis:** May be scratch built or a combination of kit components.
- Tires:** Maximum rear tire diameter is 7 inches. Minimum rear tire diameter is 2 $\frac{3}{4}$ inches. Maximum rear tire width is 4 $\frac{1}{2}$ inches.
- Weight:** Maximum vehicle weight is 12 lbs
- Dimensions:** Maximum vehicle length is 24 inches. Maximum vehicle width is 14 inches
- Hitch:** Maximum hitch height of 4 inches.

Carpet 2WD Open II

Weight	Motor Level	Drive	Length	Battery	Surface
20 lbs	Open II	2WD	28 inches	See below	Carpet

- Motor:** Maximum of 6 electric motors Brushless allowed
- Battery:** 8s lipo
- Chassis:** May be scratch built or any combination of kit components.
- Tires:** Maximum rear tire diameter of 7 inches. Minimum rear tire diameter is 3 inches. Maximum rear tire width is 4 ½ inches.
- Weight:** Maximum vehicle weight is 20 lbs.
- Dimensions:** Maximum vehicle length is 28 inches. Maximum vehicle width is 16 inches.
- Hitch:** Maximum hitch height of 4 inches.

Carpet Big Rig

Weight	Motor Level	Drive	Length	Battery	Surface
7 lbs.	Modified	Tandem	20 inches	See below	Carpet

- Motor:** Limit of one Modified motor
- Battery:** 2S LiPo
- 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:** All tires must be 1/10th scale. All four drive tires must be of the same size. Maximum tire width is 2 inches.
- Weight:** Maximum vehicle weight is 7 lbs.
- Dimensions:** Maximum vehicle length is 20 inches. Maximum vehicle width is 11 inches.
- Wheelbase:** No limit on the overall wheelbase except within the vehicle dimensions and body limitations. The rear axles are to be 3 ½ inches apart, center of axle to center of axle. There is a 1/16 inch variable plus or minus the 3 ½ inches.
- Hitch:** Maximum hitch height of 2.5 inches.
- Body:** Must be an 18 wheeler body. Tires must be located in the factory wheel openings. All components must be under the body.
- Other:** This class is to be tandem axle four wheel drive. The front axle must be fixed. No hinged or pivoting axles. The front axle is not to be driven.

Carpet 4WD Pro Modified

Weight	Motor Level	Drive	Length	Battery	Surface
7 lbs	Modified	4WD	21 inches	See below	carpet

- Motor:** Limit of one *Modified* motor
- Battery:** 2S LiPo
- Chassis:** May be a kit, scratch built, or a combination of both.
- Tires:** Maximum tire diameter is 4 inch. 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 now allowed.
- Weight:** Maximum vehicle weight is 7 lbs. Weight covers are permitted.
- Dimensions:** Maximum vehicle length is 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 is 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 pickup truck body. Body must resemble a 4 wheel drive truck that is as realistic as possible to 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 model 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 wheel openings. The body may not be cut in order to make it longer or shorter. The body must have tailgate and grille.

Carpet 4WD Box Stock

Weight	Motor Level	Drive	Lenth	Battery	Surface
14	Modified	4WD	19 ½ inches	See below	Carpet

- Motor:** Limit two **Modified** motors
- Battery:** 2s liPo Battery must be in stock location with battery box. Battery covers and holders maybe removed to allow for a 7 cell battery pack.
- Chassis:** The chassis, gearbox and suspension must be original for that vehicle. Minimum pinion size is an 8 tooth 32 pitch and must be visible. Motor swing adapters are allowed. No additional gearboxes are permitted. Suspension may be locked at each wheel only. Aluminum steering mechanisms and gearbox braces are allowed. Rear wheel steering may be locked. Steering servo may be used and may be relocated. A ¼ scale steering servo is allowed. USA is allowed to use replacement dog bones from an R/C manufacturer. Items not related to the suspension may be removed. All stock suspension must be present and that includes the shocks.
- 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 14lbs. No weight past the front bumper.
- Dimensions:** Maximum vehicle length is 19 ½ inches. Maximum vehicle width is 16 inches.
- Wheelbase:** Must be original for that vehicle.
- Hitch:** Maximum hitch height of 4 inches.
- Body:** May be changed to lexan but must resemble a real type truck. For example a Ford, Chevy, or Dodge ½ or ¾ ton pickup truck.
- Electronics:** An ESC is allowed.
- Other:** This class is limited to factory production dual-motored 4WD vehicles.

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Racing General Rules

1. The racing competition will consist of a timed event or side by side elimination races. During the event one or two trucks may run but the times will be recorded individually for each lane.
2. The track is not limited to any one specific surface but both racing lanes must run on matching surfaces. Two even length racing lanes with obstacles and path markers will be constructed for the event. Examples of obstacles would be ramps and crushed cars. There will be a specific path that the vehicles will follow during each race. Examples of path markers would be turning cars or cones.
3. The track layout will be predetermined by the track officials. The layout of the course will need to be followed otherwise penalties will be incurred. The course layout and penalties will also be discussed during the mandatory drivers meeting as well as any grounds for disqualifications. Course penalties and schedules shall be posted in a suitable viewing area(s) prior to the start of the event. Questions concerning times, rules or penalties need to be brought to the attention and only to the attention Monster truck director and or the Assistant Monster truck director so that the event can be fairly run.
4. Hitting any part of the timing system, the timing table, crossing all four full tires off the track boundary or intentionally missing obstacles will result in a disqualification for that run. If the driver cannot finish the course without aid this will result in a dnf (did not finish).
5. Crossing the center line with more than two full tires will result in a disqualification. If a driver crosses over the center line and interferes with the other driver the offended driver has the choice to rerun alone.
6. Either the two left/right tires from the front axle or rear axle must pass over the entire leading ramp. Failure to properly clear the leading ramp will result in a 1 second penalty per offense at the end of the run.
7. 1 second penalties will also be assessed for each cone/car that is knocked over or pushed off of its marking point.

8. Vehicles may hit a turning car without penalty as long as the vehicle keeps all 4 tires in the racing lane. Please note the turning car will be considered part of the racing lane for definition of this penalty.

9. Drivers will bring their vehicle up to the defined tech table at least 2 runs before their race so that they will be ready to marshal. Not bringing a vehicle up for tech inspection will result in a disqualification for that round.

10. Races will be run with a marshal for each racing lane. There will be a separate staff assigned marshal(s) for the center line. For a race to be run all 3 of these marshals will need to be in spaces defined during the drivers meeting.

11. Each driver must marshal or find a suitable marshal prior to their race(s). If the driver cannot marshal or find a suitable marshal prior to the race(s) they will be disqualified for that round.

12. Marshals will relay all judgements to the timekeepers verbally and with hand signals. The timekeeper must repeat the judgements to the marshals who will verify the judgement. The timekeeper will announce the times and during elimination racing they will announce what driver is moving on to the next round. This is the only time that the timekeeper will announce the times. Times and results will be displayed after each round of racing.

13. Judgements are listed here. Clean (thumbs up) which means there are no penalties. DQ (thumbs down) which means the driver has been disqualified. Holding a finger up for each penalty will let the timekeeper see that the run is clean but with penalties. Each penalty will be added to the drivers time for that run.

14. All penalties stand at time of ruling. There will not be any review of photos or videos. If video reviews are so desired this will have to be set up under the discretion of the racing committee prior to the event so that all runs are equally judged.

15. Timing systems errors may result in a rerun and this will be at the discretion of the monster truck director.

16. The drivers will qualify by class unless announced differently at the drivers meeting. Brackets for elimination races will be based off of qualifying times. During elimination racing the timekeeper will note which driver has lane choice. Lane choice will be based off of qualifying times.

17. In the event that a racer cannot come back or there is an odd number of racers a fast loser will be brought back. A fast loser is the racer that had the fastest legal time in that round but did not advance.

18. Red lighting the tree at qualifying and racing will count as a disqualification. A double red light in qualifying stands as a disqualification with no time. In elimination a double red light will result in a re-run. During qualifying racers who disqualify or who cannot finish the run will go to the bottom of the bracket.

19. If a vehicle cannot finish their run during qualifying no run will be recorded. During elimination racing not finishing will result in a loss if the other lane is able to finish. If both vehicles wreck or get disqualified during eliminations the vehicle that got further will move on but they will forfeit lane choice. The vehicle that moves on in a double disqualification is the one that was allowed to travel further before the disqualification took place. An unclear decision by the monster truck director or assistant director may result in a rerun of that race.

20. Drivers will stand in a defined location that will be discussed during the drivers meeting.

21. Vehicles must be squared up to the starting line with the front tires at the line prior to a race. Please note the starting line could be a ramp.

22. Once one driver stages their vehicle the other driver must stage their vehicle within 60 seconds or they will forfeit their run. When asked drivers will give a clear nod and verbally indicate that they are ready for the race to start.

23. Vehicles will go through tech inspection before their run but if needed the driver may be requested to bring the vehicle for post race tech inspection.

24. Bodies must be secured to a vehicle so that they do not fall off during a race. If any part of the vehicle falls off during a race the vehicle must still be able to pass tech inspection with said missing parts.

25. Tracks, foam tires or any traction compounds/liquids are not permitted. The use of Simple Green only for cleaning tires is permitted.

26. All four tires must be the same size and width unless there is a pre approval for use in a retro class.

27. All vehicles will need to be registered prior to the posted start time of the event and all drivers must attend the drivers meetings to compete in the event.

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28. All lipo batteries will be charged in a lipo sack and stored in a lipo safe container.

29. A vehicle may have a multi speed transmission but during a race the transmission must not be shifted. CVT Transmissions (Continuously Variable Transmission) are not legal for use on any racing vehicle.

30. The use of traction/drift devices or gyro(s) are not permitted.

31. The schedule will note if the track is open or closed. If the track is closed no vehicles will be permitted on the track. When the track is open for practice use is allowed. There will be no practice runs/starts on the course while racing is in session. Violations can result in disqualification of a run or vehicle.

Long Jump

Purpose of the Long Jump competition is to determine which vehicle can jump the furthest from an established line

1. Truck needs to fit into one of the NRC/TPA solid axles classes and it has must have tires/wheels that are Clodbuster sized.
2. Vehicle needs to be registered and legal for use in one of the racing classes.
3. Trophy or Plaque for first place only unless the sponsor is covering awards costs.
4. Hitting the defined barrier will result in disqualification from the long jump event
5. Vehicle must run a body and keep the body during its run or the run will be disqualified.
6. Two attempts are allowed but only one is necessary.
7. After the jump the vehicle must be able to land and drive back to the start line without any outside help.
8. Vehicle that jumps the furthest will win.
9. Results to be turned into the monster truck director at the end of the event.
10. The sponsor must run the event and have the track help lined up prior to the start of the event.
11. Maximum of one entry per driver.

Freestyle

The purpose of the Freestyle Competition is to be able to receive the highest score by combining trick moves with jumps and stunts while lasting the entire length of the run

1. Vehicle must be a solid axle truck that is legally entered in the racing portion of the event.
2. The amount of entries will be determined by the sponsor. Maximum of two entries per driver.
3. Class will be run if sponsored and if time allows for setup and cleanup.
4. Building damage will not be tolerated.
5. Sponsor is responsible for setup and tear down of freestyle track.
6. Sponsor will need to have all judges and volunteers arranged prior to the event.
7. Rollover limits and run time will be set by the sponsor and they will be announced prior to the event.
8. Sponsor may create a novice and an adult division
9. Score totals and all results with names will be handed to the Monster Truck director at the conclusion of the event.

Novice

This class is for beginners to learn how to drive radio control monster trucks. Participants will learn to drive their vehicle on a closed obstacle course similar to what the regular drivers race on. Drivers will learn patience, good sportsmanship and driving technique while participating in this class. The goal of this event is to give the participants a place to run while they build their skill level enough to advance to the regular racing classes. This class was never designed to be a highly competitive class but the participant shall have fun and learn at the same time.

1. All vehicles must be entered into the Novice class to be eligible to run prior to the start of the event.
2. Novice drivers may share a vehicle with another family member(s).
3. Vehicle can either be 2wd or 4wd and they must be hobby grade.
4. Vehicle must replicate a monster truck in scale. If there is a question of entry it needs to be proposed to the monster truck director prior to the start of the event.
5. No stadium trucks, buggies or short course trucks will be allowed.
- 6.. There will be no more than 2 entries per driver.
7. Participants achieving similar times to the regular part of the racing division will have to advance to the regular racing classes.

Stage 1 Retro

Weight	Motor Level	Drive	Length	Battery	Surface
No limits	See below	4WD	Special	2s lipo	Racing

Motor: Rc4wd 45 turn sealed end bell motor(s). No more than 2 motors allowed.

Battery: One hard case 2s lipo battery.

Chassis: : No tube frame or faux tube frame chassis's allowed. Stock Clodbuster, Juggernaut and after market/custom retro chassis's allowed. Hitch will be required if sled pulling is part of the event. The chassis shall be solid and a non articulating design. There must be a minimum of 3.5" of clearance to the bottom of the chassis. If the vehicle is a shaft drive a factory transmission may extend an extra inch below the chassis

Tires: Chevron style tires for a 2.6 inner/outer clod buster style wheel. The tire can be used with or without foam inserts. Tread/Cleat will be a full bar that is uncut in appearance. The exception to this rule is a vehicle that is replicating a tractor tired vehicle. Tire tread styles will replicate tires 1991 or older. :

Wheelbase must represent the vehicle that it is replicating and be no longer than 12".

Width: Maximum width is 15.5".

Suspension: No aftermarket/custom multi link or cantilever suspension(s). No sway bar(s)/anti-roll device(s) or torsion style link suspension(s). Stock Clod buster and Juggernaut suspensions are allowed. Juggernaut suspension(s) are not be modified with triangulated links and Clod busters must use stock unmodified lateral arms in the stock position. Custom leaf spring suspension(s) with leaf springs built to scale are allowed and the shocks will be mounted to the axle and may not be angled more than a stock Clod buster/Juggernaut suspension(s).

Body: Must be a 1991 or earlier body style that is replicating an actual monster truck that is from 1991 or earlier. Picture proof may be necessary to show that this was an actual vehicle.

Driveline: Four wheel drive with (2) solid axles that can be either 2 or 4 wheel steer.

This class was designed to replicate the early days of Monster truck racing. The truck needs to represent a real monster truck that was built pre 1991. In the early days they had basic suspensions but were detailed in appearance. This is a fun way to celebrate the earliest days of monster truck racing. The running of the event can include racing, pulling, mud bogging in a faux mud pit and other events that were done in those early days.

Stage 2 Retro

Weight	Motor Level	Drive	Length	Battery	Surface
No limits	See below	4WD	Special	2s lipo	Racing

Motor: Axial 27 turn or J Concepts silent speed 27 turn 540 sized sealed end bell motor(s) with factory label. No more than 2 motors allowed.

Battery: One hard case 2s lipo battery.

Chassis: Stock Clod buster, Juggernaut and after market/custom retro chassis's allowed. The chassis shall be solid and a non articulating design. There must be a minimum of 3.5" of clearance to the bottom of the chassis. If the vehicle is a shaft drive a factory transmission may extend an extra inch below the chassis.

Tires: Chevron style tires for a 2.6" inner /outer clod buster style wheel. Tread/Cleat will be a full bar that is uncut in appearance. The exception to this rule is a vehicle that is replicating a tractor tired vehicle. Tire tread styles will replicate tires 1996 or older.

Wheelbase: Wheelbase must represent the vehicle that it is replicating.

Width: Maximum width is 15.5"

Suspension: No aftermarket/custom multi link or cantilever suspension(s). No sway bar(s)/anti-roll device(s) or torsion style link suspension(s). Stock Clod buster and Juggernaut suspensions are allowed. Juggernaut suspension(s) are not be modified with triangulated links and Clod busters must use stock unmodified lateral arms in the stock position. Custom leaf spring suspension(s) with leaf springs built to scale are allowed and the shocks will be mounted to the axle and may not be angled more than a stock Clod buster/Juggernaut suspension(s).

Body: Must be a 1996 or earlier body style that represents a style/design from that era.

Driveline: Four wheel drive with (2) solid axles that can be either 2 or 4 wheel steer.

Sport Modified

Weight	Motor Level	Drive	Wheel- base	Battery	Surface
No limits	See below	4WD	See below	See below	Racing

Motor type: HPI 1146 15t firebolt, Arma AR390031 15 t and Dynamite DYN1172 15t which are all sealed end bell motors. Motors must remain sealed with legible factory labels left in place on them.

Motor limits: Clod buster (2) of the 15t sealed end bell motors that are listed. Smt-10 (1) of the 15t sealed end bell motors that are listed.

Motors will be controlled by one speed controller.

Battery: (1) 2s hard case lipo battery

Chassis: May be aftermarket, stock, scratch built or and combination of what is listed.

Tires: Chevron style tires that are made for the Tamiya Clodbuster that are mounted on a 2.6" inner/outer Clodbuster style wheel. The tire can be used with or without foam inserts. Minimum height is 5.25" and minimum width is 4". The only modification that can be made to a tire is the bead can be cut on the tire to fit on 2.6" Jconcepts Clod buster sized wheel.

Width: Maximum width is 16.5"

Wheelbase: Maximum wheelbase is 14".

Axles: Clod buster Gear cases with stock gear case halves and stock motor sleeves in the stock location. May use after Market axle tubes or steering knuckles. Only 13 tooth pinions are Allowed without the use of adjustable motor mounts. Either a clear pinion cover will be installed on the cases or a cover with a sight hole to count the teeth on a pinion. There will be no modification to the gear ratio of The gear sets. (or) The axles can be Smt-10 axles with the 38 tooth ring gear and 13 tooth pinion inside the housing. Smt-10 transmission with stock internal transmission ratios. There will be a 56 tooth spur gear with 14 tooth pinion gear Vehicle will be 4wd with 2 or 4 wheel steering.

Body: Any car or truck lexan body is allowed.

Other: Sway bar(s) allowed. Shock type and shock location is not limited.

Pro Mod

	Motor Level	Drive	Wheelbase	Battery	Surface
	Modified	4WD	See below	See below	Racing

Motor: Maximum of (2) modified motors brushed or brushless.

Battery: (1) 2s hard case lipo battery or (1) 3s hard case lipo battery

Chassis: May be aftermarket, stock, scratch built or and combination of what is listed.

Tires: 2.6" Inner/Outer Tamiya Clod Buster sized wheels with tires that are manufactured for a Tamiya Clod Buster. Foam tires or dual tire sets are not allowed. Some examples of the types of tires would be the Jconcepts Firestorms tires, Stock Clod Buster tires, Pro-Line Destroyer Tires and Rc4wd Rumble tires.

Width: Maximum width is 16.5"

Wheelbase: Maximum wheelbase is 14".

Axles: Vehicle must have (2) solid axles. Vehicle will be 4wd with either 2 or 4 wheel steering. Allowed axles are the Motor on Axle design which a tamiya Clod buster uses or Solid straight axle design which houses a ring and pinion gear. Examples of the solid straight axle design are the Smt-10, Txt, Twin Force, Lst etc.

Transmission: Must be centrally located in the chassis with (2) functional driveshafts that will drive the front and rear axles. Please note the Motor on Axle design does not need a transmission.

Body: Any car or truck lexan body is allowed.

Other: Independent suspension vehicles are not allowed in this class. Vehicle can have a 3 link suspension (stock wheely king style). 4 link suspension (with or without a panhard bar). Sway bar(s) allowed. An unmodified Losi LMT may be used in this class for 2022. If any mechanical modifications are made to the LMT besides the body/cage the vehicle will need to follow the rules listed above

Ultra Mod

Weight	Motor Level	Drive	Battery	Surface
See below	See Below	4WD	See below	Racing

Motor: No more than (2) brushed motors will be used. The lowest turn brushed motor to be accepted will be a 15 turn. (1) brushless motor will be accepted. The brushless motor will need to be 3800 kv lower or 10.5 t or higher.

Battery: (1) 2s hard case lipo battery

Chassis: May be aftermarket, stock, scratch built or any combination of what is listed. This is to be a full tube or full faux tube style chassis that runs the length of the body. A twin vertical plate chassis that resembles a tube style chassis is allowed. There must be a cage which extends to the roof of the body. Chassis must extend to within 3/4" to the front and rear of the body. Please note that a stock Losi LMT chassis with the stock cage is not legal for this class

Tires Chevron style tires that are made for the Tamiya Clod buster that are mounted on a 2.6" inner/outer Clod buster style wheels. The tire can be used with or without foam inserts. Minimum height is 5.25" and minimum width is 4"

Width: Maximum width is 16".

Wheelbase: Maximum wheelbase is 14"

Axles: Vehicle must have (2) solid axles. Vehicle will be 4wd with either 2 or 4 wheel steering. The axles must be shaft driven solid axles which house a ring and pinion gear. Examples of the solid straight axle design are the Smt-10, Txt, Twin Force, Freestyle RC, LST etc

Transmission: Must be centrally located in the chassis with (2) functional driveshafts. Transmissions which use a center diff will not be allowed.

Suspension: Vehicle can have a 3 link suspension (stock wheely king style), 4 link suspension (with or without a panhard bar). Sway bar(s) are allowed but the links need to be mounted to the axle. There will be (2) shocks per corner that are axle and not mounted to the lower links. Shock shall be an upright design with no more than 1" of rake towards the center of the chassis which is measured lengthwise. Exception to the dual shock rule is when replicating an actual monster truck that ran single upright shocks. No cantilever designs will be allowed.

Body: Any car or truck lexan body is allowed.

Weight: 9 pounds

Ultra mod was created to give builders a place to put a scale driveshaft truck. Normally a scale truck with a cage and the extra added weight would not be able to compete in pro mod or sport mod due to its top heavy design. The vision for this class is to have builders design a truck that is scale in appearance.

2.2 Driveshaft

	Motor Level	Drive	Wheelbase	Battery	Surface
	See below	4WD	See below	See below	Racing

Motor: (1) Brushed or Brushless Modified Motor

Battery: (1) 2s hard case lipo battery or (1) 3s hard case lipo battery

Chassis: May be stock, aftermarket, scratch built or any combination of the styles listed.

Wheels: Wheel sizing is 2.2" inner/outer diameter.

Wheelbase: Maximum wheelbase is 14".

Tires: Minimum tire height 4.5 inches. Maximum tire height 5.5 inches. No duals, foams or mega truck tires allowed.

Axles: Vehicle must have (2) solid axles. Vehicle will be 4wd with either 2 or 4 wheel steering. Solid straight axle design which houses a ring and pinion gear. An example for this class would be the smt-10

Transmission: Must be centrally located in the chassis with (2) functional driveshafts that will drive the front and rear axles.

Body: Any car or truck lexan body is allowed.

Other: Independent suspension vehicles are not allowed in this class. Vehicle can have a 3 link suspension (stock wheely king style), 4 link suspension (with or without a panhard bar). Sway bar(s) allowed..

Losi LMT spec class

	Motor Level	Drive	Wheelbase	Battery	Surface
	See below	4WD	See below	See below	Racing

Motor Limits: Stock motor from the rtr kit which is a Spektrum Firma 3150Kv 4-pole Brushless Motor.

Battery: (1) 2s hard case lipo battery or (1) 3s hard case lipo battery

Chassis: A stock LMT chassis that has not be modified. Please note the plastic cage is not considered part of the chassis and it may be removed along with the wheelie bar.

Tires: Stock uncut LMT tires and wheels.

Width. Must maintain the stock width of 15.4 inches

Wheelbase: Must maintain the stock wheelbase of 13.5 inches.

Axles: Stock LMT axles with or without internal/external braces. Aftermarket axle housing(s) are not allowed.

Transmission: Stock transmission with or without center diff.

Suspension: Stock shocks must remain in the stock positions. Springs are allowed to be changed.

Body: Any car or truck lexan body is allowed.

The spirit of the Losi Lmt spec class is to give the racer a place to use a mechanically unmodified version of the truck. If the vehicle does not follow this set of rules it will need to comply with the class that it is entered in.

Definitions and Clarifications

2WD:	Shall constitute one rear drive axle with 2 wheels only.
4WD:	Shall constitute two drive axles; one rear drive axle with two wheels and one front steer drive axle with two wheels. On pulling vehicles the front and rear tires will be no more than 1 inch difference in diameter. On racing vehicles the front and rear tires will be the same size in diameter and width. 4WD vehicles will be true 4WD vehicles. The Big Rig class is the only class allowed to use tandem drive axles.
Battery:	In general shall refer to the device used to store electricity in order to supply the vehicles motor.
Body:	Shall be the shell that gives the vehicle its shape and allows it to resemble a full size car, truck, or tractor.
Chassis:	Frame of the vehicle not including suspension, steering, body or gearbox.
Dual wheel:	More than one tire on one rim or a combination of more than 1 tire with one rim on each side of an axle. No dual wheels are permitted. Exception: Work Stock pullers & Retro MT if a replica .Foam tires may be glued together to make 1 tire on 1 rim and shall not be considered dual wheels.
ESC	Electronic Speed Control
Factory production:	Any R/C product manufactured by a recognized R/C supplier in quantities of no less than 100 units per year. Bodies are not required to be "factory production" as long as they are realistic. Please refer to motor rules for specifics on them.
Factory production vehicle:	Any factory production vehicle kit originally manufactured for use other than a pulling vehicle. For example a Tomyia Clodbuster or a HPI Wheely King are "Factory Production Vehicle".
Front axle:	The device mounted at the front of the vehicle in order to provide a means for steering. The axle will be mounted so that the wheels line up with the wheel openings in the body. Exceptions will be made for "Factory Production Vehicles". The tires on hinged or floating front axles are not allowed to contact the track surface if the vehicles front end lifts $\frac{3}{4}$ of an inch or more.

- Front wheel openings:** The open place that allows the front wheels to have clearance to move when turned to the right or left. The wheel openings will be located behind the front most part of the body. Front wheels are not allowed to extend more than one inch on either side of the body. Exceptions are made for 4WD vehicles, Factory Production Vehicles that must run the original suspension, and replicas of full size vehicles.
- Gearbox:** The unit consisting of the gears, belts, chains, case and/or mounting brackets. The gearbox is the means for transmitting the power from the motor to the wheels. An additional gearbox refers to a second gearbox that is attached to the main gearbox.
- Hitch:** The apparatus used to hook the pulling sled to the vehicle. The hitch shall incorporate a 5/16 inch hole for the sled hook and will be no more than 1/2 inch from the rearmost end of the hitch drawbar. The hole must be located entirely behind the axle. The sled chain will have a clear path to the hole with no interference from the vehicle. The hitch is to be fashioned from a strong and rigid material. All hitches will be rigidly mounted. The hitch must be mounted in such a way to not allow any movement longitudinally, vertically, or horizontally. Adjustable hitches are permitted but must be locked in position when pulling. Unless otherwise noted in the class rule the maximum hitch height is 4". The following will also apply to the 2" maximum hitch height classes. The hitch is measured by placing the vehicle on the tech table, without any downward pressure during inspection. Horizontal hitches will be measured to the top of the hitch. Vertical hitches will be measured to the top of the hole. Any hitch with multiple holes will have the holes above the maximum covered with tape.
- Intentional jerking:** The act of deliberately manipulating the controls of the vehicle in a way to advance the sleds position in an erratic manner.
- MSRP:** Manufacturers Suggested Retail Price.
- Maximum motor size:** The total outside length and diameter of the motor not including the output shaft.
- Vehicle measuring device:** All measurements are to be made with a normal ruler and hitch measuring tool. Micrometers and the like are not to be used for tech.

Monster truck:	1:1 Monster trucks are known for having 66" Flotation tires with solid axles. The Rc counterpart of the 1:1 vehicles usually are scaled down versions of these massive vehicles. For example the Tamiya clodbuster has tires that are 6 1/2" inches tall and a body scaled to size. There are quite a few different scale sizes of monster trucks but the common equation the proper ratio between body and tire size. .
Original:	As manufactured and unmodified.
Production Pulling Vehicle:	Any vehicle manufactured specifically for pulling. This may be "factory production" or scratch built.
R/C:	Radio controlled.
R/C Motor:	A motor that is designed and built for the R/C industry.
Readily available:	Available off the shelf from hobby shops, distributors, or from retail mail order outlets. Special order or custom made items are not considered to be "readily available".
Scale appearance:	Having the scaled down look of a full size vehicle or part.
Sled:	The device used to create a drag on the pulling vehicle in which to stop the vehicle.
Stock:	Factory original for that vehicle or piece of equipment.
Tires:	All tires must be a production tire. Must be or was a readily available product. No Paddle tires allowed
Traction compound:	Anything that is foreign to that tire. Any substance that was not made for, put on, or into the tire at time of manufacturer. Tire glues are allowed to mount tires to rims or to glue two tires together in order to make a wider tire.
Tread width:	The width of the tread only. This does not include the sidewalls.
Wheel:	An assembly consisting of one tire and one rim.
Wheelie bar:	A device mounted to the rear of the vehicle to prevent the vehicle from flipping over backwards

once the vehicles front tires loose contact with the pulling surface. This device is made up of a single or pair of bars with one or two wheels mounted on the bars. Wheelie bars are permitted in all classes. They may not extend past the legal length of the vehicle and may not interfere with the operation of the pulling sled in any way. Skid plates are not permitted. In the dirt classes skid pads may replace the wheels on wheelie bars for scale appearance. Flexible straps for static grounding are only permitted to touch the pulling surface. Wheelie bars are not to be use to rock the vehicle back and forth. This would be considered intentional jerking.

Class Dots

These are the numbered dots that you will receive at an NR/CTPA event. One dot goes on the chassis and the other goes on the body.

Dirt Pulling

Digger	DA
2WD Box Stock	DL
Garden Tractor	DB
2WD Truck	DC
Pro Stock Tractor	DG
Heavy Duty SS Tractor	DD
Sportsman	DM
2WD Pro Modified Electric	DJ
2WD Open I	DQ
Big Rig	DE
Modified Big Rig	DH
Crawler	DI
Work Stock	DN
4WD Pro Modified	DF
4WD Modified 12# Truck	DR
4WD Box Stock	DL
Light SS Tractor	DP
2WD Pro Modified Nitro	DK
2WD Nitro	DX
4WD Nitro	DY
Gas	DT
Mini Rod	DW
Insane	DU
Unlimited	DS

Racing

Ultra Mod	MA
Stage 1 Retro	MB
Stage 2 Retro	MC
Sport Mod	MD
4WD Pro Mod	ME
2.2 Driveshaft	MG

Carpet Pulling

2wd Truck	CC
Big Rig	CE
Pro Stock Tractor	CG
Bar Tire Sportsman	CM
2WD Open I	CQ
4WD Open I	CR
2WD Open II	CW
4Wd Pro Modified	CX
2WD Super Sport Truck	CZ

